AMENDED AGENDA

REGULAR MEETING
CYPRESS CITY COUNCIL
August 26, 2024
5:00 P.M. - Workshop/Closed Session
6:00 P.M. - General Session

www.cypressca.org

5275 Orange Avenue
Cypress, California

Interested in speaking to the City Council? Information about participating in the City Council meeting appears at the end of the agenda.

AGENDA AMENDMENT

- **Closed Session item added to agenda:** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION, Pursuant to Government Code Section 54956.9(d)(1), Fortis LLP v. Frances Marquez, City of Cypress, Case No. 30-2022-01277792-CU-WM-CJC, Orange County Superior Court.

CALL TO ORDER

5:00 P.M.
Executive Board Room

ROLL CALL

Cypress City Council, also acting as the Ex-Officio Governing Board of Directors of the Cypress Recreation and Park District

Mayor Scott Minikus
Mayor Pro Tem Bonnie Peat
Council Member David Burke
Council Member Anne Mallari
Council Member Frances Marquez

ORAL COMMUNICATIONS ON CLOSED SESSION / WORKSHOP ITEMS (Limited to 30 minutes - three minutes per speaker. The City Council may adjust the time allotted per speaker.)

The public may address the City Council on Closed Session/Workshop items prior to any action taken. Although Council Members may provide brief responses, the City Council may not engage in a discussion with members of the public during the meeting. Please complete a Speaker's Card to address the City Council in-person. Members of the public are encouraged to communicate with the City Council via email at adm@cypressca.org or by calling 714-229-6699.

WORKSHOP SESSION

Options for Incentivizing Maintenance and Improvements to Privately-Owned Walls Along Arterial Streets

CLOSED SESSION

CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION
Initiation of litigation pursuant to Paragraph (4) of Subdivision (d) of Government Code Section 54956.9
Number of Cases: One Case
Potential Defendant: City of Seal Beach

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION
Pursuant to Government Code Section 54956.9(d)(1)
Fortis LLP v. Frances Marquez, City of Cypress
Case No. 30-2022-01277792-CU-WM-CJC
Orange County Superior Court

RECONVENE
6:00 P.M.
Council Chambers

ROLL CALL
Cypress City Council, also acting as the Ex-Officio Governing Board of Directors of the Cypress Recreation and Park District

Mayor Scott Minikus
Mayor Pro Tem Bonnie Peat
Council Member David Burke
Council Member Anne Mallari
Council Member Frances Marquez

INVOCATION Bethany Lutheran Church

PLEDGE OF ALLEGIANCE

REPORT OF CLOSED SESSION / WORKSHOP
City Manager/City Attorney

ORAL COMMUNICATIONS ON AGENDA ITEMS (Three minutes per speaker. The City Council may adjust the time allotted per speaker.)

The public may address the City Council on agenda items prior to any action taken. Although Council Members may provide brief responses, the City Council may not engage in a discussion with members of the public during the meeting. Please complete a Speaker's Card to address the City Council in-person. Please follow the instructions at the end of the agenda and wait for the Mayor/City Clerk to call on you to address the City Council virtually. Speakers providing in-person comments will be called first. Members of the public are encouraged to communicate with the City Council via email at adm@cypressca.org or by calling 714-229-6699.

CONSENT CALENDAR

All matters listed on the Consent Calendar are to be approved with one motion unless a Council Member requests separate action on a specific item. Council Members voting no or abstaining on a Consent Calendar item may do so without removing the item from the Consent Calendar.

1. **Approve Minutes - Meetings of June 10 and June 24, 2024**
   Prepared by: Alisha Farnell, City Clerk

   Recommendation: Approve as submitted.

2. **Introduce and/or Adopt All Ordinances and Resolutions Presented for Consideration by Title Only and to Waive Further Reading**

3. **Receive an Update on the Strategic Plan Six-Month Objectives**
   Prepared by: Peter Grant, City Manager

   Recommendation: Receive an update on the Strategic Plan six-month objectives.

4. **Accept the Cerritos Avenue Frontage Landscape Improvements, Project 320**
   Prepared by: Doug Dancs, Director of Public Works

   Recommendation:

   1. Accept the Cerritos Avenue Frontage Landscape Improvements, Project 320, in the amount of $230,084 and approve the final retention payment of $14,354.20 to Marina Landscape, Inc.; and

   2. Authorize the City Engineer to file a Notice of Completion with the County Recorder.

5. Accept the LED Street Name Sign Upgrades, Project 338

Prepared by: Doug Dancs, Director of Public Works

Recommendation:

1. Accept the LED Street Name Sign Upgrades, Project 338, in the amount of $204,708 and approve the final payment of $10,235.39 to Macadee Electrical Construction; and

2. Authorize the City Engineer to file a Notice of Completion with the County Recorder.

6. Approve Plans and Specifications and Award Contracts for Orange Avenue Rehabilitation, Project 315

Prepared by: Doug Dancs, Director of Public Works

Recommendation:

1. Approve Plans and Specifications for Orange Avenue Rehabilitation, Project 315; and

2. Award a contract to Hardy & Harper, Inc. for $617,000 and authorize a contingency of $92,550; and

3. Approve a Task Order for Construction Inspection Services and Materials Testing to FCG Consultants, Inc., for $48,688.92 and authorize a contingency of $7,300.

7. Approve Plans and Specifications and Award Contracts for Arterial Street Rehabilitation, Project 377

Prepared by: Doug Dancs, Director of Public Works

Recommendation:

1. Approve Plans and Specifications for Arterial Street Rehabilitation, Project 377; and

2. Award a contract to All American Asphalt for $2,496,688 and authorize a contingency of $374,500; and

3. Approve a Task Order for Construction Inspection Services and Materials Testing to FCG Consultants, Inc., for $97,101 and authorize a contingency of $14,565

4. Approve a Cooperative Agreement with the City of Buena Park to share the cost of asphalt overlay improvements on Valley View Street; and

5. Approve a $155,000 increase in Estimated Revenues in the RMRA Gas Tax Fund for estimated reimbursements from the City of Buena Park.

8. Award Contract for Traffic Signal System Software and Components - Phase Two, Project 352

Prepared by: Doug Dancs, Director of Public Works

Recommendation: Award a contract to SWARCO McCain, Inc. for $939,432.38, for the purchase of Traffic Signal System Software and Components – Phase Two.

9. Approve a Lease with the County of Orange Public Libraries System for the City-Owned Building at 5331 Orange Avenue

Prepared by: Doug Dancs, Director of Public Works

Recommendation: Approve a 10-year lease with the County of Orange Public Libraries System for the City-owned building at 5331 Orange Avenue.

10. Approve a Renewal Agreement for Fiber Internet Services

Prepared by: Matt Burton, Director of Finance and Administrative Services

Recommendation: Approve a three-year renewal agreement for fiber internet services with Spectrum Enterprise for $41,364.

11. Approve Task Orders for Communications Support and Marketing

Prepared by: Peter Grant, City Manager

Recommendation:

1. Approve a Task Order to Communications LAB for $120,000 for City Communications Support and Marketing Services for FY 2024-25; and

2. Approve a Task Order to Communications LAB for $60,000 for Recreation and Park District Communications Support and Marketing Services for FY 2024-25.

12. Award On-Call Contract for Police Department Pre-Employment Background Investigation Services

Prepared by: Mark Lauderback, Chief of Police

Recommendation: Award an on-call contract for Police Department pre-employment background investigations services to JL Group.

13. Receive and File the Investment Reports for the Months Ended June 30, 2024 and July 31, 2024.

Prepared by: Matt Burton, Director of Finance and Administrative Services

Recommendation: Receive and file the attached investment reports.

14. Receive and File Register of Warrants, Transfers, and Wires Issued for the Period of June 8, 2024 through August 9, 2024

Prepared by: Matt Burton, Director of Finance and Administrative Services

Recommendation: Receive and file the attached payment register summarized below for the period of June 8, 2024 through August 9, 2024:

- Electronic Funds Transfers 15300 through 15546
- Warrants 65425 through 65865
- Payroll Transfers W1531 through W1535

NEW BUSINESS

15. Receive an Update on the Police Department Strategic Plan

Prepared by: Mark Lauderback, Chief of Police

Recommendation: Receive an update on the Police Department Strategic Plan.

ITEMS REMOVED FROM CONSENT CALENDAR

ORAL COMMUNICATIONS (Three minutes per speaker. The City Council may adjust the time allotted per speaker.)

The public may address the City Council on any item within the subject matter jurisdiction of the City Council. Although Council Members may provide brief responses, the City Council may not discuss nor take action on items that are not on the agenda. Please complete a Speaker's Card to address the City Council in-person. Members of the public are encouraged to communicate with the City Council via email at adm@cypressca.org or by calling 714-229-6699.

COUNCIL MEMBER REPORTS FROM CITY-AFFILIATED BOARDS AND COMMITTEES AND REMARKS

COUNCIL MEMBER ITEMS FOR FUTURE CONSIDERATION

CITY MANAGER REMARKS

ADJOURNMENT - IN MEMORY OF CYPRESS RESIDENT ROBERTA O'TOOLE

The next meeting will be an adjourned Regular Meeting, to be held on Monday, September 9, 2024, beginning at 5:30 p.m. in the Executive Board Room.

Council Members and the public should promptly exit the Council Chambers and proceed through the Civic Center to the parking lot.

I hereby certify under penalty of perjury under the laws of the State of California, that the foregoing Agenda was posted on the City Hall bulletin board and City website not less than 72 hours prior to the meeting. Dated this 22nd day of August, 2024.

_____

Alisha Farnell, City Clerk

PUBLIC PARTICIPATION

Members of the public can participate in the City Council meeting in the following ways:

1. Attend In-Person. First-come, first-served seating is available. All attendees must be free of any symptoms associated with contagious illnesses.

2. Attend Virtually via Webinar. Follow this link: https://attendee.gotowebinar.com/register/9180951120028134743. Advanced registration is recommended.

The public may address the City Council virtually during Oral Communications on Agenda Items and Public Hearings. Virtual participants must click the 'hand raise' button prior to the end of the first in-person speaker to indicate they wish to address the City Council. Upon clicking the 'hand raise' button, please unmute your microphone and wait for the Mayor/City Clerk to call on you.

= Hand Raise = Unmute

3. Submit Public Comments Prior to the Meeting. The public may submit comments via email to cityclerk@cypressca.org. Comments submitted by 3:00 p.m. on the day of the meeting will be added to the meeting record.

4. Watch the Meeting. The City Council meeting can be viewed on Spectrum Cable Channel 36 or on the City's website at **www.cypressca.org/watchlive**.

5. Listen to the Meeting. Listen-only teleconferencing is available by calling (562) 247-8321 and entering Access Code 926-246-960. No registration or audio pin is necessary.

INVOCATION POLICY

The City Council does not endorse the content of the invocation and does not endorse the invocational speaker's particular faith, belief and/or religious denomination. The City Council has an established neutral policy for selecting and scheduling invocational speakers. The City Council's policy on invocations is available from the City Clerk.

AMERICANS WITH DISABILITIES ACT

In compliance with the Americans With Disabilities Act, if you need special assistance to participate in this meeting, you should contact the City Clerk at (714) 229-6685 at least 72 hours prior to the meeting to enable the City to make reasonable arrangements to assure accessibility to this meeting.

CITY OF CYPRESS

CITY COUNCIL REPORT

City Council Regular **1.**

FROM: Alisha Farnell, City Clerk

DATE: 08/26/2024

SUBJECT: **Approve Minutes - Meetings of June 10 and June 24, 2024**

RECOMMENDATION

Approve as submitted.

BUDGET IMPACT

None.

LEGAL REVIEW

None required.

APPROVED BY: Peter Grant, City Manager

Attachments

June 10, 2024 Regular Meeting Minutes

June 24, 2024 Regular Meeting Minutes

REGULAR MEETING
CYPRESS CITY COUNCIL
JUNE 10, 2024
5:00 P.M. – Closed Session
6:00 P.M. – General Session

A regular meeting of the Cypress City Council was called to order at 5:02 p.m. by Mayor Minikus in the Executive Board Room, 5275 Orange Avenue, Cypress, California.

ROLL CALL

Cypress City Council, also acting as the Ex-Officio Governing Board of Directors of the Cypress Recreation and Park District

Mayor Scott Minikus
Mayor Pro Tem Bonnie Peat
Council Member David Burke
Council Member Anne Mallari
Council Member Frances Marquez

STAFF PRESENT

City Manager Peter Grant
City Attorney Fred Galante
City Clerk Alisha Farnell

ORAL COMMUNICATIONS ON CLOSED SESSION / WORKSHOP ITEMS

None.

CLOSED SESSION

CONFERENCE WITH LABOR NEGOTIATOR
Pursuant to Government Code Section 54957.6
Agency Negotiators: City Manager and Director of Finance and Administrative Services
Employee Groups:

- Cypress Employees' Association
- Cypress Maintenance Employees' Association
- Executive Management
- Mid-Management
- Confidential

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION
Pursuant to Government Code Section 54956.9(d)(1)
Southwest Voter Registration Education Project v. City of Cypress

Case No. 30-2022-01270865-CU-CR-CJC
Orange County Superior Court

Mayor Minikus recessed the meeting at 5:03 p.m.

RECONVENE

Mayor Minikus reconvened the meeting at 6:03 p.m.

ROLL CALL

Mayor Scott Minikus
Mayor Pro Tem Bonnie Peat
Council Member David Burke
Council Member Anne Mallari
Council Member Frances Marquez

STAFF PRESENT

City Manager Peter Grant
City Attorney Fred Galante
Director of Finance and Administrative Services Matt Burton
Director of Public Works Doug Dancs
Director of Recreation and Community Services Jeff Draper
Chief of Police Mark Lauderback
City Clerk Alisha Farnell
City Engineer Nick Mangkalakiri
Senior Management Analyst Jason Machado

INVOCATION Pastor Nader Hanna, King of the Nations, led the Invocation.

PLEDGE OF ALLEGIANCE Mayor Pro Tem Bonnie Peat led the Pledge of Allegiance.

REPORT OF CLOSED SESSION / WORKSHOP

The City Attorney reported that the City Council met in Closed Session and held a discussion on the first item listed on the Closed Session agenda, namely Conference with Labor Negotiator concerning the employee groups Cypress Employees' Association, Cypress Maintenance Employees' Association, Executive Management, Mid-Management and Confidential groups. He stated the City Council received an update, provided direction and no further reportable action was taken.

Regarding the second Closed Session item listed on the agenda, namely Conference with Legal Counsel – Existing Litigation, the matter of Southwest Voter Registration Education Project v. City of Cypress. The City Attorney stated the City Council received an update and by motion by Mayor Pro Tem Peat, and seconded by Council Member

Mallari, the City Council unanimously approved a payment of $835,000 to plaintiffs for attorney's fees and costs. The payment will be completed by June 30, 2024, and incorporated in an amendment to the settlement agreement.

PRESENTATIONS

The City Council recognized and presented Certificates of Completion to the Cypress Citizens Academy participants.

ORAL COMMUNICATIONS ON AGENDA ITEMS

Kyle Chang, Cypress, spoke regarding youth basketball program and park maintenance.

Bob Youngsma, Cypress, spoke regarding Agenda Item No. 17 and park maintenance.

CONSENT CALENDAR

All matters listed on the Consent Calendar are to be approved with one motion unless a Council Member requests separate action on a specific item.

Council Member Marquez requested to pull Agenda Items No. 6 and 8.

Council Member Burke asked questions of staff regarding Agenda Item No. 10.

City Council discussion ensued.

A motion was made by Council Member Burke, and seconded by Council Member Marquez, to approve consent calendar items No. 1 through 5, 7, and 9 through 17.

The motion was unanimously carried by the following roll call vote:

AYES:	5	COUNCIL MEMBERS:	Burke, Mallari, Marquez, Peat and Minikus
NOES:	0	COUNCIL MEMBERS:	None
ABSENT:	0	COUNCIL MEMBERS:	None

Item No. 1: Approve Minutes - Meetings of April 22, May 7, and May 8, 2024

Recommendation: Approve as submitted.

Item No. 2: Introduce and/or Adopt All Ordinances and Resolutions Presented for Consideration by Title Only and to Waive Further Reading

Item No. 3: Adopt the Fiscal Year 2024-25 Appropriations Limit

Recommendation: Adopt a Resolution establishing the City's Fiscal Year 2024-25 appropriations limit.

RESOLUTION NO. 6962

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS ESTABLISHING THE CITY'S APPROPRIATIONS LIMIT FOR THE 2024-25 FISCAL YEAR.

Item No. 4: Adopt the Cypress Recreation and Park District's Fiscal Year 2024-25 Appropriations Limit

Recommendation: Adopt a Resolution establishing the Cypress Recreation and Park District's Fiscal Year 2024-25 appropriations limit.

RESOLUTION NO. 6963

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS, EX OFFICIO GOVERNING BOARD OF DIRECTORS OF THE CYPRESS RECREATION AND PARK DISTRICT, A SUBSIDIARY DISTRICT OF THE CITY OF CYPRESS ESTABLISHING THE CYPRESS RECREATION AND PARK DISTRICT'S APPROPRIATIONS LIMIT FOR THE 2024-25 FISCAL YEAR.

Item No. 5: Adopt Annual Statement of Investment Policy

Recommendation: Adopt a Resolution approving the Annual Statement of Investment Policy.

RESOLUTION NO. 6964

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS, AND ACTING AS THE EX OFFICIO GOVERNING BOARD OF DIRECTORS OF THE CYPRESS RECREATION AND PARK DISTRICT, ADOPTING THE ANNUAL STATEMENT OF INVESTMENT POLICY

Item No. 7: Adopt a Resolution Approving a Three-Year Memorandum of Understanding with the Cypress Maintenance Employees' Association

Recommendation: Adopt a Resolution approving a Memorandum of Understanding with the Cypress Maintenance Employees' Association from July 1, 2024 through June 30, 2027.

RESOLUTION NO. 6965

A RESOLUTION OF THE CITY COUNCIL AND ACTING AS EX-OFFICIO BOARD OF DIRECTORS OF THE CYPRESS RECREATION AND PARK DISTRICT OF THE CITY OF CYPRESS, APPROVING THE MEMORANDUM OF UNDERSTANDING BETWEEN THE CITY OF CYPRESS AND THE CYPRESS MAINTENANCE EMPLOYEES’ ASSOCIATION CONCERNING

WAGES, SALARIES, FRINGE BENEFITS AND CONDITIONS OF EMPLOYMENT

Item No. 9: Adopt a Resolution Establishing Salary and Benefits for Confidential Positions

Recommendation: Adopt a Resolution amending Resolution No. 6940 establishing salary and benefits for non-represented Confidential positions.

RESOLUTION NO. 6968

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS, AND ACTING AS EX OFFICIO GOVERNING BOARD OF DIRECTORS OF THE CYPRESS RECREATION AND PARK DISTRICT AMENDING RESOLUTION NO. 6940 ESTABLISHING SALARY RANGES AND BENEFITS FOR CONFIDENTIAL POSITIONS

Item No. 10: Approve a Design Contract for Myra Avenue Pump Station No. 1, Project 300

Recommendation:

1. Approve an agreement with AKM Consulting Engineers, for $1,436,897, and authorize a contingency of $215,000; and

2. Appropriate $206,075 in the Capital Projects Fund for the Design of Myra Avenue Pump Station No. 1, Project 300; and

3. Transfer $206,075 from the Infrastructure Reserve Fund to the Capital Projects Fund.

Item No. 11: Approve Senate Bill 1 Road Maintenance and Rehabilitation Account Funding and Project List

Recommendation: Adopt a Resolution approving the FY 2024-25 Senate Bill 1 Road Maintenance and Rehabilitation Account funding and project list.

RESOLUTION NO. 6969

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS ADOPTING A LIST OF PROJECTS FOR FISCAL YEAR 2024-25 FUNDED BY SB 1: THE ROAD REPAIR AND ACCOUNTABILITY ACT OF 2017

Item No. 12: Accept Emergency Sewer Line Repairs at Christopher Street and Myra Avenue

Recommendation:

1. Accept Emergency Sewer Line Repairs at Christopher Street and Myra Avenue, in the amount of $86,831.32; and

2. Approve an $86,832 appropriation increase in the Sewer Fund for the Emergency repairs.

Item No. 13: Approve an Agreement for Police Department Shooting Range Cleaning

Recommendation:

1. Approve an agreement with HCI Environmental & Engineering Service for Police Department range cleaning in the amount of $33,090.

2. Approve an $18,390 appropriation increase in the Central Services fund.

Item No. 14: Approve an Agreement for Recreation and Community Services Printing Services

Recommendation: Approve a three-year agreement for printing services with Advantage Mailing, LLC for an amount not to exceed $108,270.

Item No. 15: Approve an Amendment to the Senior Transportation Agreement with California Yellow Cab

Recommendation: Approve an amendment to the Senior Transportation Agreement with California Yellow Cab.

NEW BUSINESS

Item No. 16: Adopt the City of Cypress and the Cypress Recreation and Park District Fiscal Year 2024-25 Budgets

The Director of Finance and Administrative Services provided a report on this item.

City Council asked questions of staff.

City Council discussion ensued.

A motion was made by Council Member Mallari, and seconded by Mayor Pro Tem Peat, to adopt a Resolution approving the City Fiscal Year 2024-25 budget; and adopt a Resolution approving the Recreation and Park District budget Fiscal Year 2024-25.

The motion was unanimously carried by the following roll call vote:

AYES: 5 COUNCIL MEMBERS: Burke, Mallari, Marquez, Peat and Minikus
NOES: 0 COUNCIL MEMBERS: None
ABSENT: 0 COUNCIL MEMBERS: None

RESOLUTION NO. 6970

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS APPROVING THE ANNUAL BUDGET FOR THE FISCAL YEAR COMMENCING JULY 1, 2024 AND FIXING THE LIMITATIONS OF EXPENDITURES FOR THE SEVERAL FUNDS AND THE FUNCTIONS, DEPARTMENTS, AND ACTIVITIES CARRIED ON UNDER SUCH FUNDS.

RESOLUTION NO. 6971

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS, AND ACTING AS THE EX OFFICIO GOVERNING BOARD OF DIRECTORS OF THE CYPRESS RECREATION AND PARK DISTRICT, APPROVING THE DISTRICT'S ANNUAL BUDGET FOR THE FISCAL YEAR COMMENCING JULY 1, 2024 AND FIXING THE LIMITATIONS OF EXPENDITURES FOR THE FUNDS AND ACTIVITIES CARRIED ON UNDER SUCH FUNDS

Item No. 17: Adopt the Seven-Year Capital Improvement Program FY 2024-25 to FY 2030-31

The Director of Public Works and City Engineer provided a report on this item.

City Council discussion ensued.

A motion was made by Council Member Mallari, and seconded by Mayor Pro Tem Peat, to determine the Seven-Year CIP FY 2024-25 to FY 2030-31 is consistent with the General Plan; and confirm various projects are exempt from California Environmental Quality Act Exemptions requirements; and adopt a Resolution approving the Seven-Year CIP FY 2024-25 to FY 2030-31; and adopt a Resolution updating annual Public Works contract award thresholds as required by Municipal Code Section 21A-19.

The motion was unanimously carried by the following roll call vote:

AYES: 5 COUNCIL MEMBERS: Burke, Mallari, Marquez, Peat and Minikus
NOES: 0 COUNCIL MEMBERS: None
ABSENT: 0 COUNCIL MEMBERS: None

RESOLUTION NO. 6972

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS APPROVING THE SEVEN-YEAR CAPITAL IMPROVEMENT PROGRAM FOR FISCAL YEARS 2024-25 THROUGH FISCAL YEAR 2030-2031

RESOLUTION NO. 6973

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS, AND ACTING AS EX-OFFICIO GOVERNING BOARD OF DIRECTORS OF THE CYPRESS RECREATION AND PARK DISTRICT, TO UPDATE THE FORMAL BID LIMIT FOR PUBLIC WORKS PROJECTS

ITEMS REMOVED FROM CONSENT CALENDAR

Item No. 6: Receive and File the FY 2024-25 Master Fee Schedule

Council Member Marquez commented on this item.

City Council discussion ensued.

A motion was made by Mayor Pro Tem Peat, and seconded by Council Member Burke, to receive and file the updated FY 2024-25 Master Fee Schedule which incorporates annual cost-of-living adjustments for City and Park District user fees.

The motion was unanimously carried by the following roll call vote:

AYES: 5 COUNCIL MEMBERS: Burke, Mallari, Marquez, Peat and Minikus
NOES: 0 COUNCIL MEMBERS: None
ABSENT: 0 COUNCIL MEMBERS: None

Item No. 8: Adopt Resolutions Establishing Salary for Executive Management and Mid-Management Positions

Council Member Marquez commented on this item.

City Council discussion ensued.

A motion was made by Mayor Pro Tem Peat, and seconded by Council Member Mallari, to adopt a Resolution establishing salary ranges for Executive Management positions; and adopt a Resolution establishing salary ranges and authorizing a $2,000 one-time payment for Mid-Management positions.

The motion was unanimously carried by the following roll call vote:

AYES: 5 COUNCIL MEMBERS: Burke, Mallari, Marquez, Peat and Minikus
NOES: 0 COUNCIL MEMBERS: None
ABSENT: 0 COUNCIL MEMBERS: None

RESOLUTION NO. 6966

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS, AND ACTING AS EX-OFFICIO GOVERNING BOARD OF DIRECTORS OF THE CYPRESS RECREATION AND PARK DISTRICT, AMENDING RESOLUTION NO. 6908 ESTABLISHING SALARY RANGES FOR EXECUTIVE MANAGEMENT POSITIONS

RESOLUTION NO. 6967

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS, AND ACTING AS EX-OFFICIO GOVERNING BOARD OF DIRECTORS OF THE CYPRESS RECREATION AND PARK DISTRICT, AMENDING RESOLUTION NO. 6909 ESTABLISHING SALARY RANGES FOR MID-MANAGEMENT POSITIONS
ORAL COMMUNICATIONS

ORAL COMMUNICATIONS

Aidan Rezner, on behalf of Alzheimer OC, spoke regarding services provided by Alzheimer OC and programming at the Senior Center.

Leo Medrano, Cypress, spoke regarding West County CERT training.

Bob Youngsma, Cypress, spoke regarding architect costs, OCTA Settlement Agreement and park maintenance.

Kyle Chang, Cypress, spoke regarding Housing Element community meeting.

Glenn Button, Cypress, spoke regarding City budget and Housing Element community meetings.

Broke Nafarrette, Cypress, spoke regarding Voice of OC article.

COUNCIL MEMBER REPORTS FROM CITY-AFFILIATED BOARDS AND COMMITTEES AND REMARKS

Council Member Marquez

Attended a housing Community Open House meeting. Attended Brushing Aside Tobacco event hosted by Senator Josh Newman's office. Attended the MOMS Orange County gala event. Thanked Cypress Police Department for participating in the Special Olympics Law Enforcement Torch Run. Spoke regarding the California Voting Rights Act lawsuit.

Council Member Mallari:
Attended meetings with Cypress School District, Anaheim Union High School District and Cypress College. Attended the memorial service for former Mayor Ana Piercy. Attended the Cypress Chamber of Commerce Business Awards Ceremony and congratulated

Public Works Director, Doug Dancs on being presented the Exemplary Service award. Spoke regarding Housing Element ballot measure. Responded to comments made regarding the CVRA lawsuit.

Council Member Burke:

Attended grand opening event for Bafang Dumpling. Attended the Landell Elementary school carnival.

Mayor Pro Tem Peat:

Attended the Bafang Dumpling grand opening event. Spoke regarding the Citizen Academy. Attended Chamber of Commerce Business Awards Ceremony and congratulated the honorees. Spoke regarding CVRA lawsuit.

Mayor Minikus:

Spoke regarding CVRA lawsuit. Attended the Bafang Dumpling grand opening. Attended the Citizens Academy final session. Attended the memorial service for former Mayor Ana Piercy. Attended the Orange County Sanitation District Board of Directors meeting. Attended the Chamber of Commerce Business Awards Ceremony.

COUNCIL MEMBER ITEMS FOR FUTURE CONSIDERATION

None.

CITY MANAGER REMARKS

City Manager announced Concerts on the Green will run from June 21 through August 9. Announced the Salute to America event will be held at Cypress College on Friday, June 28. Stated the June 24 City Council meeting will include an overview of community engagement regarding an item that could potentially be on the November ballot. Spoke regarding the Chamber of Commerce Business Awards ceremony. Wished everyone a Happy Father's Day.

The City Attorney provided clarification regarding comments made about the Closed Session item regarding employee group negotiations.

ADJOURNMENT

Mayor Minikus adjourned the Regular Meeting at 8:36 p.m. to an adjourned Regular Meeting, to be held on Monday, June 24, 2024, beginning at 5:30 p.m. in the Executive Board Room.

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MAYOR OF THE CITY OF CYPRESS

ATTEST:

_____

CITY CLERK OF THE CITY OF CYPRESS

REGULAR MEETING
CYPRESS CITY COUNCIL
JUNE 24, 2024
5:30 P.M. – Closed Session/Workshop
6:00 P.M. – General Session

A regular meeting of the Cypress City Council was called to order at 5:30 p.m. by Mayor Minikus in the Executive Board Room, 5275 Orange Avenue, Cypress, California.

ROLL CALL

Cypress City Council, also acting as the Ex-Officio Governing Board of Directors of the Cypress Recreation and Park District

Mayor Scott Minikus
Mayor Pro Tem Bonnie Peat
Council Member David Burke
Council Member Anne Mallari
Council Member Frances Marquez

STAFF PRESENT

City Manager Peter Grant
City Attorney Fred Galante
Director of Finance and Administrative Services Matt Burton
City Clerk Alisha Farnell
Human Resources Manager Regina Nguyen

ORAL COMMUNICATIONS ON CLOSED SESSION / WORKSHOP ITEMS

None.

CLOSED SESSION

CONFERENCE WITH LABOR NEGOTIATOR
Pursuant to Government Code Section 54957.6
Agency Negotiators: City Manager and Director of Finance and Administrative Services
Employee Groups: Cypress Employees' Association

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION
Pursuant to Government Code Section 54956.9(d)(1)
Fortis LLP v. Frances Marquez, City of Cypress
Case No. 30-2022-01277792-CU-WM-CJC
Orange County Superior Court

Mayor Minikus recessed the meeting at 5:31 p.m.

RECONVENE

Mayor Minikus reconvened the meeting at 6:20 p.m.

ROLL CALL

Mayor Scott Minikus
Mayor Pro Tem Bonnie Peat
Council Member David Burke
Council Member Anne Mallari
Council Member Frances Marquez

STAFF PRESENT

City Manager Peter Grant
City Attorney Fred Galante
Director of Finance and Administrative Services Matt Burton
Director of Public Works Doug Dancs
Director of Recreation and Community Services Jeff Draper
Planning Director Alicia Velasco
Chief of Police Mark Lauderback
City Clerk Alisha Farnell
City Engineer Nick Mangkalakiri
Lieutenant Scott Ausmus
Human Resources Manager Regina Nguyen
Accountant Sheila Tran
Payroll Coordinator Johanna Reyes-Pavon
Office Assistant II Christina Dizol
Office Assistant II Anita Sallas

INVOCATION Pastor Trevor Cooper, First Baptist Church of Cypress, led the Invocation.

PLEDGE OF ALLEGIANCE Council Member Burke led the Pledge of Allegiance.

REPORT OF CLOSED SESSION / WORKSHOP

The City Attorney reported that the City Council met in Closed Session regarding the first item listed on the Closed Session agenda, namely Conference with Labor Negotiator concerning the employee group Cypress Employees' Association. He stated the City Council received an update and no further reportable action was taken.

Regarding the second Closed Session item listed on the agenda, namely Conference with Legal Counsel – Existing Litigation, the matter of Fortis LLP v. Frances Marquez, City of Cypress. The City Attorney stated Council Member Marquez recused herself

from the item and exited the room. The remaining City Council received an update, provided direction and no further reportable action was taken.

PRESENTATIONS

The City Council presented Certificates of Appreciation to the outgoing Commissioners and the City Clerk administered the Loyalty Oath and presented Certificates of Appointment to newly appointed Commissioners.

The City Council recognized Cypress resident and U.S Navy Veteran Paul Dunard.

The Director of Finance and Administrative Services introduced Accountant Shiela Tran, and Office Assistant II Anita Sallas.

The Planning Director provided a presentation regarding the Housing Element Implementation Ballot Measure Education, Outreach and Communication efforts.

ORAL COMMUNICATIONS ON AGENDA ITEMS

Brian Rutt, Cypress, spoke regarding Housing Element Implementation Ballot Measure Presentation Item.

Marilyn Reames, Cypress, spoke regarding Housing Element Implementation Ballot Measure Presentation Item.

Diane Ortega, Cypress, spoke regarding Housing Element Implementation Ballot Measure Presentation Item.

Glenn Button, Cypress, spoke regarding Agenda Item No. 3.

CONSENT CALENDAR

All matters listed on the Consent Calendar are to be approved with one motion unless a Council Member requests separate action on a specific item.

Mayor Minikus stated that Agenda Item No. 17, the Warrant Register, includes electronic fund transfer No. 15144 for $308.53 as reimbursement for medical coverage he is entitled to receive as a CalPERS annuitant. He indicated that in voting for any motion to approve the Warrants Register, he would not be voting on electronic fund transfers No. 15144 for the reason disclosed.

A motion was made by Council Member Mallari, and seconded by Council Member Burke, to approve consent calendar items No. 1 through 17.

The motion was unanimously carried by the following roll call vote:

AYES: 5 COUNCIL MEMBERS: Burke, Mallari, Marquez, Peat and Minikus

NOES: 0 COUNCIL MEMBERS: None
ABSENT: 0 COUNCIL MEMBERS: None

Item No. 1: Introduce and/or Adopt All Ordinances and Resolutions Presented for Consideration by Title Only and to Waive Further Reading

Item No. 2: Receive an Update on the Strategic Plan Six-Month Objectives

Recommendation: Receive an update on the Strategic Plan six-month objectives.

Item No. 3: Appoint a Commissioner to Fill an Unscheduled Vacancy on the Senior Citizens Commission

Recommendation: Appoint Claudia Nessary to the Senior Citizens Commission to fill an unscheduled vacancy with a partial-term ending June 30, 2026.

Item No. 4: Adopt Resolutions to Hold a General Municipal Election on November 5, 2024

Recommendation:

1. Adopt a Resolution calling a General Municipal Election on Tuesday, November 5, 2024, for the election of certain officers as required by the City Charter; and

2. Adopt a Resolution requesting the Board of Supervisors of the County of Orange to consolidate a General Municipal Election to be held on Tuesday, November 5, 2024, with the Statewide General Election to be held on the same date pursuant to Elections Code §10403; and

3. Adopt a Resolution adopting regulations for candidates for elective office pertaining to candidates statements submitted to the voters at an election to be held on Tuesday, November 5, 2024.

RESOLUTION NO. 6974

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS, CALIFORNIA, CALLING FOR THE HOLDING OF A GENERAL MUNICIPAL ELECTION TO BE HELD ON TUESDAY, NOVEMBER 5, 2024, FOR THE ELECTION OF CERTAIN OFFICERS AS REQUIRED BY THE PROVISIONS OF THE CITY CHARTER

RESOLUTION NO. 6975

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS, CALIFORNIA, REQUESTING THE BOARD OF SUPERVISORS OF THE COUNTY OF ORANGE TO CONSOLIDATE A GENERAL MUNICIPAL

ELECTION TO BE HELD ON NOVEMBER 5, 2024, WITH THE STATEWIDE GENERAL ELECTION TO BE HELD ON THE SAME DATE PURSUANT TO § 10403 OF THE ELECTIONS CODE

RESOLUTION NO. 6976

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS, CALIFORNIA, ADOPTING REGULATIONS FOR CANDIDATES FOR ELECTIVE OFFICE PERTAINING TO CANDIDATES STATEMENTS SUBMITTED TO THE VOTERS AT AN ELECTION TO BE HELD ON NOVEMBER 5, 2024

Item No. 5: Approve the First Reading of an Ordinance Approving Electronic and Paper Methods of Filing Campaign Finance Disclosure Statements

Recommendation: Approve the first reading of an Ordinance relating to campaign finance reporting and approving electronic and paper methods of filing campaign finance disclosure statements.

Item No. 6: Accept Organic Recycling Local Assistance Grant

Recommendation:

1. Accept a CalRecycle Organic Recycling Local Assistance Grant; and

2. Increase FY 2023-24 estimated revenues by $137,092 in the General Fund.

Item No. 7: Accept the Shade Structure Replacement at Eucalyptus Park, Project 364

Recommendation:

1. Accept the Shade Structure Replacement at Eucalyptus Park, Project 364, in the amount of $79,279 and approve the final payment of $3,963.95 to R.E. Schultz Construction, Inc., and

2. Authorize the City Engineer to file a Notice of Completion with the County Recorder.

Item No. 8: Approve the Measure M2 Program Eligibility Submittal Package for Fiscal Year 2024-25

Recommendation: Approve the Measure M2 program eligibility submittal package for Fiscal Year 2024-25.

Item No. 9: Approve Contract Services Agreement and Task Order for On-Call Construction Management and Inspection Services

Recommendation:

1. Approve contract services agreement for on-call construction management and inspection services with FCG Consultants, Inc., and

2. Approve a Task Order to FCG Consultants, Inc. for an amount not to exceed $100,000 to perform public works construction management and inspection services for the period of July 1, 2024 through June 30, 2025.

Item No. 10: Approve Task Order for Sewer System Management Plan Update and Audit

Recommendation: Approve a Task Order for the preparation of the Sewer System Management Plan update and audit to AKM Consulting Engineers for $119,184.

Item No. 11: Approve Task Order for City Traffic Engineer Services

Recommendation: Approve a Task Order for an amount not to exceed $163,000 to Linscott, Law & Greenspan Engineers (LLG) to provide FY 2024-25 City Traffic Engineer Services.

Item No. 12: Approve Plans and Specifications and Award Contract for Tree Planting, Project 358

Recommendation:

1. Approve plans and specifications for the FY 2023-24 Tree Planting, Project 358; and

2. Award a contract to Master Landscape & Maintenance, Inc. for $61,309 and authorize a contingency of $9,200.

Item No. 13: Approve Contract Services Agreement for HVAC Maintenance and Repair Services

Recommendation: Approve a two-year contract to Control Air Enterprises, LLC for Heating, Ventilation, and Air Conditioning (HVAC) maintenance and repair services for $41,951 annually.

Item No. 14: Approve Contract Services Agreements for Custodial Services

Recommendation:

1. Approve a two-year contract for custodial services at City facilities to United Maintenance Systems for an annual amount of $103,380; and

2. Approve a two-year contract for custodial services at Recreation and Park facilities to United Maintenance Systems for an annual amount of $103,800; and

3. Approve a two-year contract for custodial services for Recreation and Park restrooms to United Maintenance Systems for an annual amount of $89,040.

Item No. 15: Approve the Purchase of Youth Sports Uniforms

Recommendation: Approve a one-year agreement for the purchase of youth sports uniforms with Manhattan Stitching Company for an amount not to exceed $10,291.

Item No. 16: Receive and File the Investment Report for the Month Ended May 31, 2024

Recommendation: Receive and file the attached investment report.

Item No. 17: Receive and File Register of Warrants, Transfers, and Wires Issued for the Period of May 11, 2024 through June 7, 2024

Recommendation: Receive and file the attached payment register summarized below for the period of May 11, 2024 through June 7, 2024:

- Electronic Funds Transfers 15120 through 15299
- Warrants 65248 through 65424
- Payroll Transfers W1529 through W1530

PUBLIC HEARING

Item No. 18: Renew the Cypress Corporate Center Landscape Maintenance District No. 1 for FY 2024-25

Mayor Minikus asked Council Members to disclose any Communication with anyone relevant to the item.

No Communications were disclosed.

Mayor Minikus opened the Public Hearing.

The City Engineer provided a report on this item.

Mayor Minikus invited members of the public to speak on this item.

No public comments were made.

Mayor Minikus closed the Public Hearing.

A motion was made by Council Member Marquez, and seconded by Council Member Mallari, to adopt a Resolution renewing Cypress Corporate Center Landscape Maintenance District No. 1 for FY 2024-25, pursuant to the Landscaping and Lighting Act of 1972.

The motion was unanimously carried by the following roll call vote:

AYES:	5	COUNCIL MEMBERS:	Burke, Mallari, Marquez, Peat and Minikus
NOES:	0	COUNCIL MEMBERS:	None
ABSENT:	0	COUNCIL MEMBERS:	None

RESOLUTION NO. 6977

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS, CALIFORNIA, ORDERING THE RENEWAL OF THE CYPRESS CORPORATE CENTER LANDSCAPE MAINTENANCE DISTRICT NO. 1 FOR FISCAL YEAR 2024-25, PURSUANT TO THE LANDSCAPING AND LIGHTING ACT OF 1972, AND CONFIRMING THE DIAGRAM AND ASSESSMENT THEREOF

Item No. 19: Approve a Conditional Use Permit, a Conditional Use Permit Amendment, and Tentative Parcel Map for a Charter School at 4321 Cerritos Avenue

Mayor Minikus asked Council Members to disclose any communication with anyone relevant to the item.

Council Members Mallari, Peat, Burke and Mayor Minikus disclosed general communications with the applicant.

Mayor Minikus opened the Public Hearing.

The Planning Director provided a report on this item.

Mayor Minikus invited the applicants to come forward.

The City Council asked questions of the applicants.

Mayor Minikus invited members of the public to speak on this item.

Glenn Button, Cypress, asked questions and spoke in support of item No. 19.

Mari Barke, Los Alamitos, spoke in support of item No. 19.

Harumi Lucak, Cypress, spoke in support of item No. 19.

George Pardon, Cypress, spoke in support of item No. 19.

Daniel Velasco, Cypress, spoke in support of item No. 19.

Beth Culver, Cypress, spoke in support of item No. 19.

Sheri Barcroft, Orange, spoke in support of item No. 19.

Asia, Student, spoke in support of item No. 19.

Izod, Student, spoke in support of item No. 19.

Body, Student, spoke in support of item No. 19.

No further public comments were made.

Mayor Minikus closed the Public Hearing.

City Council discussion ensued.

A motion was made by Council Member Mallari, and seconded by Mayor Pro Tem Peat, to adopt a Resolution amending Conditional Use Permit No. 86-11; and adopt a Resolution approving Conditional Use Permit No. 2024-01; and adopt a Resolution approving Tentative Parcel Map No. 2023-134; and confirm actions are exempt from California Environmental Equality Requirements.

The motion was unanimously carried by the following roll call vote:

AYES:	5	COUNCIL MEMBERS:	Burke, Marquez, Peat, Minikus and Hertz-Mallari
NOES:	0	COUNCIL MEMBERS:	None
ABSENT:	0	COUNCIL MEMBERS:	None

RESOLUTION NO. 6978

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS, CALIFORNIA, APPROVING AN AMEMDMENT TO CONDITIONAL USE PERMIT NO. 86-11, TO ELIMINATE THE SCHOOL USE FROM THE PREVIOUS APPROVAL, ON A SITE LOCATED AT 4321 CERRITOS AVENUE WITHIN RS-6000 RESIDENTIAL SINGLE-FAMILY ZONE IN THE CITY OF CYPRESS, CALIFORNIA AND FINDING THE PROJECT EXEMPT FROM CEQA

RESOLUTION NO. 6979

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS, CALIFORNIA, APPROVING CONDITIONAL USE PERMIT NO. 2024-01, TO OPERATE A TK-12 PUBLIC CHARTER SCHOOL, ON A SITE LOCATED AT 4321 CERRITOS AVENUE WITHIN RS-6000 RESIDENTIAL SINGLE-FAMILY ZONE IN THE CITY OF CYPRESS, CALIFORNIA AND FINDING THE REQUEST EXEMPT FROM CALIFORNIA ENVIRONMENTAL QUALITY ACT REQUIREMENTS

RESOLUTION NO. 6980

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS, CALIFORNIA, APPROVING VESTING TENTATIVE PARCEL MAP NO. 2023-134, TO RECONFIGURE TWO PARCELS FOR THE OPERATION OF A NEW CHARTER SCHOOL AND AN EXISTING RELIGIOUS FACILITY LOCATED AT 4321 CERRITOS AVENUE IN THE RS-6000 RESIDENTIAL SINGLE-FAMILY ZONE, IN THE CITY OF CYPRESS, CALIFORNIA AND FINDING THE PROJECT EXEMPT FROM CEQA

NEW BUSINESS

None.

ITEMS REMOVED FROM CONSENT CALENDAR

None.

ORAL COMMUNICATIONS:

Marilyn Reames, Cypress, spoke regarding public comments made at the June 10 City Council meeting.

Wanda Youngsma, Cypress, spoke regarding virtual comments during the second period of Oral Communications.

Harumi Lucak, Cypress, spoke regarding Voice of OC Article.

Aimee, Cypress, spoke regarding Voice of OC Article.

Leo Medrano, Cypress, spoke regarding City financials and approval of conditional use permit.

Beth Culver, Cypress, spoke regarding Voice of OC Article.

COUNCIL MEMBER REPORTS FROM CITY-AFFILIATED BOARDS AND COMMITTEES AND REMARKS

Council Member Burke

Attended League of California Cities Environmental Quality policy committee meeting and provided information regarding the Climate Core Fellowship.

Council Member Marquez:

Attended Flag Day Ceremony at the American Legion and recognized their new Commander. Attended National Association of Latino Elected Officials Conference. Attended Concerts on the Green.

Council Member Mallari:

Provided an update on two Black Hawk Helicopters purchased by OCFA. Participated in a roundtable discussion regarding Status of Women and Girls in Orange County.

Mayor Pro Tem Peat:

Participated in Eagle Scout interviews. Met with a representative from Goodman and received a tour of the new development off Plaza Drive. Met with Mom's for America regarding access to books within the public library. Attended OC Vector Control District Board meeting and spoke regarding National Mosquito Week.

Mayor Minikus:

Attended Concerts on the Green. Reminded everyone of Salute to America on Friday, June 28 at 6:00 p.m.

COUNCIL MEMBER ITEMS FOR FUTURE CONSIDERATION

Council Member Marquez requested to agendize an item to consider sanctions of Council Member Mallari for disclosing confidential information at the June 10 Council meeting that was discussed during Closed Session on May 13, 2024.

City Attorney stated he did not hear any disclosure of confidential information by Council Member Mallari.

City Council discussion ensued.

The item failed to move forward due to lack of support.

Mayor Pro Tem Peat proposed a Strategic Planning item for discussion regarding church zoning regulations in Cypress.

Mayor Minikus stated his request for Council Members to provide a mid-year report on City Affiliated Boards and Committees at the July 8 City Council meeting.

CITY MANAGER REMARKS

Congratulated the Recreation team on a successful Concert on the Green and stated the Salute to America will be held at Cypress College on June 28. Reminded the public that City Hall will be closed on July 4. Stated the next Council meeting will be a joint meeting with the Senior Citizens Commission and will begin at 5:00 p.m.

ADJOURNMENT

Mayor Minikus adjourned the Regular Meeting at 8:53 p.m. to an adjourned Regular Meeting, to be held on Monday, July 8, 2024, beginning at 5:30 p.m. in the Executive Board Room.

_____
MAYOR OF THE CITY OF CYPRESS

ATTEST:

_____
CITY CLERK OF THE CITY OF CYPRESS

CITY OF CYPRESS

CITY COUNCIL REPORT

City Council Regular **3.**

FROM: Peter Grant, City Manager

DATE: 08/26/2024

SUBJECT: **Receive an Update on the Strategic Plan Six-Month Objectives**

RECOMMENDATION

Receive an update on the Strategic Plan six-month objectives.

DISCUSSION

The Strategic Plan establishes major goals and objectives for the City. It provides the principal guidance for the preparation of the budget and a plan for implementation and accountability. The Strategic Plan is among the City Council's most effective tools to improve services and preserve Cypress' high quality of life.

The City Council updated the Strategic Plan in March 2024, including a review of the existing plan, development of new six-month objectives, and a discussion of the City's strengths and accomplishments during the past six months. The attached matrices report the progress on the six-month objectives as of August 26, 2024.

A special City Council meeting will be held on September 17, 2024 to update the plan for the next six months.

BUDGET IMPACT

None.

LEGAL REVIEW

None required.

APPROVED BY: Peter Grant, City Manager

Attachments

Six-month Objectives

CITY OF CYPRESS

SIX-MONTH STRATEGIC OBJECTIVES

April 2024 – September 2024

THREE-YEAR GOAL: MAINTAIN INFRASTRUCTURE AND FACILITIES						
WHEN	**WHO**	**WHAT**	**STATUS**			**COMMENTS**
			DONE	ON TARGET	REVISED	
1. May 13 City Council meeting	Public Works Director	Recommend a project to modernize the Executive Board Conference Room in FY 24-25 as part of the Capital Improvement Program	X			
2. By September 9	Public Works Director	Recommend a strategy and funding to increase sustainability in the City's civilian vehicle fleet to the City Manager			X	
3. September 23 City Council meeting	Public Works Director	Recommend options for streamlining Capital Improvement Plan projects to increase efficiency and contain costs			X	
4. June 24 City Council meeting	Public Works Director	Recommend an agreement for the design of Myra Avenue pump station No. 1	X			
5. Ongoing	Public Works Director & Finance Director	Pursue outside funding to offset the cost to replace Myra Avenue pump station No. 1, including potentially engaging a grant writer and/or lobbyist				

C I T Y O F C Y P R E S S

SIX-MONTH STRATEGIC OBJECTIVES

April 2024 – September 2024

MAINTAIN FINANCIAL STABILITY AND PROMOTE ECONOMIC ACTIVITY						
WHEN	**WHO**	**WHAT**	**STATUS**			**COMMENTS**
			DONE	ON TARGET	REVISED	
1. Ongoing until City Council considers placing measure on ballot	Planning Director	Conduct Housing Element implementation ballot measure education, outreach, and communication	X			
2. July 8 City Council meeting	Planning Director & City Attorney	Recommend placing the Housing Element implementation ballot measure on the 2024 General Election	X			
3. April 22 City Council meeting	City Manager & Planning Director	Recommend the second phase of the Business Development Program	X			
4. Ongoing	Planning Director	Recommend the Business Park Specific Plan Modernization			X	On hold pending current private project in Business Park
5. May 28 City Council meeting	Finance Director	Provide the results of the FY 2022-23 Measure M2 audit and any modifications to the OCTA settlement agreement that will restore Measure M2 allocation eligibility prior to June 30, 2024, rather than June 30, 2025 as originally contemplated	X			

CITY OF CYPRESS

SIX-MONTH STRATEGIC OBJECTIVES

April 2024 – September 2024

THREE-YEAR GOAL: **ENHANCE AND MAINTAIN PUBLIC SAFETY**						
WHEN	**WHO**	**WHAT**	**STATUS**			**COMMENTS**
			DONE	ON TARGET	REVISED	
1. May 13 City Council meeting	Police Chief	Recommend an agreement for body worn cameras for Police Department patrol personnel	X			
2. By September 15	Police Chief working with HR, CERT & OCFA	Provide workplace safety training to all City staff		X		Scheduled for August 22
3. On August 6	Police Chief & RCS Director	Produce a new signature community event combining the Police department's National Night Out and RCS' Summerfest	X			

CITY OF CYPRESS

SIX-MONTH STRATEGIC OBJECTIVES

April 2024 – September 2024

THREE-YEAR GOAL: ENHANCE RECREATION FACILITIES AND PROGRAMS						
WHEN	**WHO**	**WHAT**	**STATUS**			**COMMENTS**
			DONE	ON TARGET	REVISED	
1. August 26 City Council meeting	City Manager & Public Works Director	Recommend an extension to the lease with Orange County Public Libraries for the Cypress Library		X		
2. By September 15	Public Works & RCS Director	Conduct a dirty boots construction tour of Arnold Cypress Park for the City Council, Recreation Commission, and Cypress Girls Softball League			X	Scheduled for Sept. 30
3. September 9 joint City Council-RCS Commission meeting	RCS Director	Recommend updates to the Field and Facility Rental Policy		X		

CITY OF CYPRESS

SIX-MONTH STRATEGIC OBJECTIVES

April 2024 – September 2024

THREE-YEAR GOAL: **MAINTAIN HIGH QUALITY AN HIGH VALUE SERVICES FOR THE COMMUNITY**						
WHEN	**WHO**	**WHAT**	**STATUS**			**COMMENTS**
			DONE	ON TARGET	REVISED	
1. April 22 City Council meeting	City Manager & City Clerk	Recommend a Resolution focused on sustaining effective governance after the transition to districts	X			
2. August 26 City Council meeting	Planning Director & Public Works Director	Recommend a program to incentivize residential property owners to maintain/improve privately-owned walls along arterial streets, including strategies to address atypical locations		X		
3. September 9 City Council workshop	City Manager & City Clerk working with Communications LAB	Present a strategic communications work plan, including review of City logos and branding		X		
4. May 13 City Council meeting	City Manager	Recommend a Budget Decision Package to fund consultant-led team-building efforts for the 2025 City Council to the City Council	X			
5. FUTURE	Finance Director, IT Manager & Police Chief	Present an updated Business Continuity Plan to the City Manager			X	
6. June 24	City Clerk & City Attorney	Recommend calling the 2024 General Election	X			

CITY OF CYPRESS

CITY COUNCIL REPORT

City Council Regular **4.**

FROM: Douglas Dancs, Director of Public Works

DATE: 08/26/2024

SUBJECT: Accept the Cerritos Avenue Frontage Landscape Improvements, Project 320

RECOMMENDATION

1. Accept the Cerritos Avenue Frontage Landscape Improvements, Project 320, in the amount of $230,084 and approve the final retention payment of $14,354.20 to Marina Landscape, Inc.; and

2. Authorize the City Engineer to file a Notice of Completion with the County Recorder.

DISCUSSION

Last November, the City Council awarded a construction contract to Marina Landscape to perform landscape improvements along the Cerritos Avenue frontage road, between Rexford Drive and Walker Street. The project removed the existing landscaping, installed new drought-tolerant landscaping, and a new drip-irrigation system. The work began in January and was completed in July.

Public Works will release the Labor and Materials Bond and the Faithful Performance Bond upon expiration of the required lien period.

BUDGET IMPACT

The original estimated cost of design, construction and inspection was $328,287, and final project costs total $261,476.25, as summarized in the attached table. Sufficient project amounts are available in the City Capital Projects Fund budget.

LEGAL REVIEW

None required.

APPROVED BY: Peter Grant, City Manager

Attachments

Cost Table

PROJECT COST TABLE

Cerritos Avenue Frontage Landscape Improvements
Project 320

Item Description	Original Amount	Actual Expenditures	Difference
Design			
Design	$ 18,000.00	$ 15,547.50	$ 2,452.50
Design Contingency	$ 2,700.00	$ -	$ 2,700.00
Sub-total Design	$ 20,700.00	$ 15,547.50	$ 5,152.50
Construction			
Construction	$ 215,690.00	$ 215,690.00	$ -
Construction Contingency	$ 32,300.00	$ 14,394.00 *	$ 17,906.00
Sub-total Construction	$ 247,990.00	$ 230,084.00	$ 17,906.00
Construction Management & Inspection			
Inspection	$ 51,897.00	$ 15,844.75	$ 36,052.25
Inspection Contingency	$ 7,700.00	$ -	$ 7,700.00
Sub-total Construction	$ 59,597.00	$ 15,844.75	$ 43,752.25
Total Project	**$ 328,287.00**	**$ 261,476.25**	**$ 66,810.75**

* Includes change orders due to unforseen site conditions and/or field modifications

CITY OF CYPRESS

CITY COUNCIL REPORT

City Council Regular **5.**

FROM: Douglas Dancs, Director of Public Works

DATE: 08/26/2024

SUBJECT: **Accept the LED Street Name Sign Upgrades, Project 338**

RECOMMENDATION

1. Accept the LED Street Name Sign Upgrades, Project 338, in the amount of $204,708 and approve the final payment of $10,235.39 to Macadee Electrical Construction; and

2. Authorize the City Engineer to file a Notice of Completion with the County Recorder.

DISCUSSION

In May 2023, the City Council awarded a construction contract to Macadee Electrical Construction to replace over 50 fluorescent illuminated street name signs with new light emitting diode (LED) illuminated signs. Unique street name signs require custom fabrication and therefore have long lead times. Installations began in December 2023 and were completed in April 2024.

Public Works will release the Labor and Materials Bond and the Faithful Performance Bond upon expiration of the required lien period.

BUDGET IMPACT

The original estimated cost of design, construction, and inspection was $220,969, and final project costs total $211,396, as summarized in the attached table. Sufficient amounts are budgeted in the Lighting District Fund for the project.

LEGAL REVIEW

None required.

APPROVED BY: Peter Grant, City Manager

Attachments

Cost Table

PROJECT COST TABLE

Installation of LED Street Name Signs and Reflective Street Signs at various locations.
Project 338

Item Description	Original Amount	Actual Expenditures	Difference
Construction			
Furnish & installation	$ 183,269.00	$ 183,269.00	$ -
Construction Contingency	$ 27,500.00	$ 21,439.00 *	$ 6,061.00
Sub-total Construction	$ 210,769.00	$ 204,708.00	$ 6,061.00
Construction Management & Inspection			
Inspection	$ 10,200.00	$ 6,688.00	$ 3,512.00
Inspection Contingency	$ -	$ -	$ -
Sub-total Construction	$ 10,200.00	$ 6,688.00	$ 3,512.00
Total Project	**$ 220,969.00**	**$ 211,396.00**	**$ 9,573.00**

* Includes change order for additional signs

CITY OF CYPRESS

CITY COUNCIL REPORT

City Council Regular **6.**

FROM: Douglas Dancs, Director of Public Works

DATE: 08/26/2024

SUBJECT: **Approve Plans and Specifications and Award Contracts for Orange Avenue Rehabilitation, Project 315**

RECOMMENDATION

1. Approve Plans and Specifications for Orange Avenue Rehabilitation, Project 315; and

2. Award a contract to Hardy & Harper, Inc. for $617,000 and authorize a contingency of $92,550; and

3. Approve a Task Order for Construction Inspection Services and Materials Testing to FCG Consultants, Inc., for $48,688.92 and authorize a contingency of $7,300.

DISCUSSION

Many projects within the Capital Improvements Program (CIP) are part of a regular multi-year program to ensure City infrastructure is adequately funded and maintained. The Orange Avenue Rehabilitation project is part of the annual CIP to ensure proper street maintenance.

This project will resurface approximately two lane miles of pavement and replace 1,400 square feet of sidewalk, 430 linear feet of curb and gutter, and replace nine trees along Orange Avenue between Moody Street and Denni Street. Proper rehabilitation of streets and sidewalks, at timely intervals, is the most effective strategy to maintain the surface in good condition and saves money in the long run by preventing deterioration that would require more costly treatments.

In January 2022, the City Council adopted a Resolution authorizing the project be eligible to receive $200,000 in federal funding through the Orange County Transportation Authority (OCTA) 2021 Pavement Management Relief Funding (PMRF) program. In 2023, Congress passed the Fiscal Responsibility Act of 2023 which withdrew this funding. Earlier this year, Caltrans committed to replace the rescinded funds with State Highway Funds. The one-time funding amount remains the same at $200,000 and there are no matching requirements.

On July 9, the City received five bid proposals for the project with Hardy & Harper, Inc. as the

low bidder. FCG Consultants, Inc., the City's on-call construction manager, will inspect the project. A summary of project award information is attached.

BUDGET IMPACT

The estimated construction and construction management costs for the project are $765,538.92 and sufficient amounts are budgeted in the Measure M2 Fund for this project. The City will be reimbursed $200,000 in State funding to pay a portion of construction costs, with the balance of the project paid for using restricted Measure M2 monies.

LEGAL REVIEW

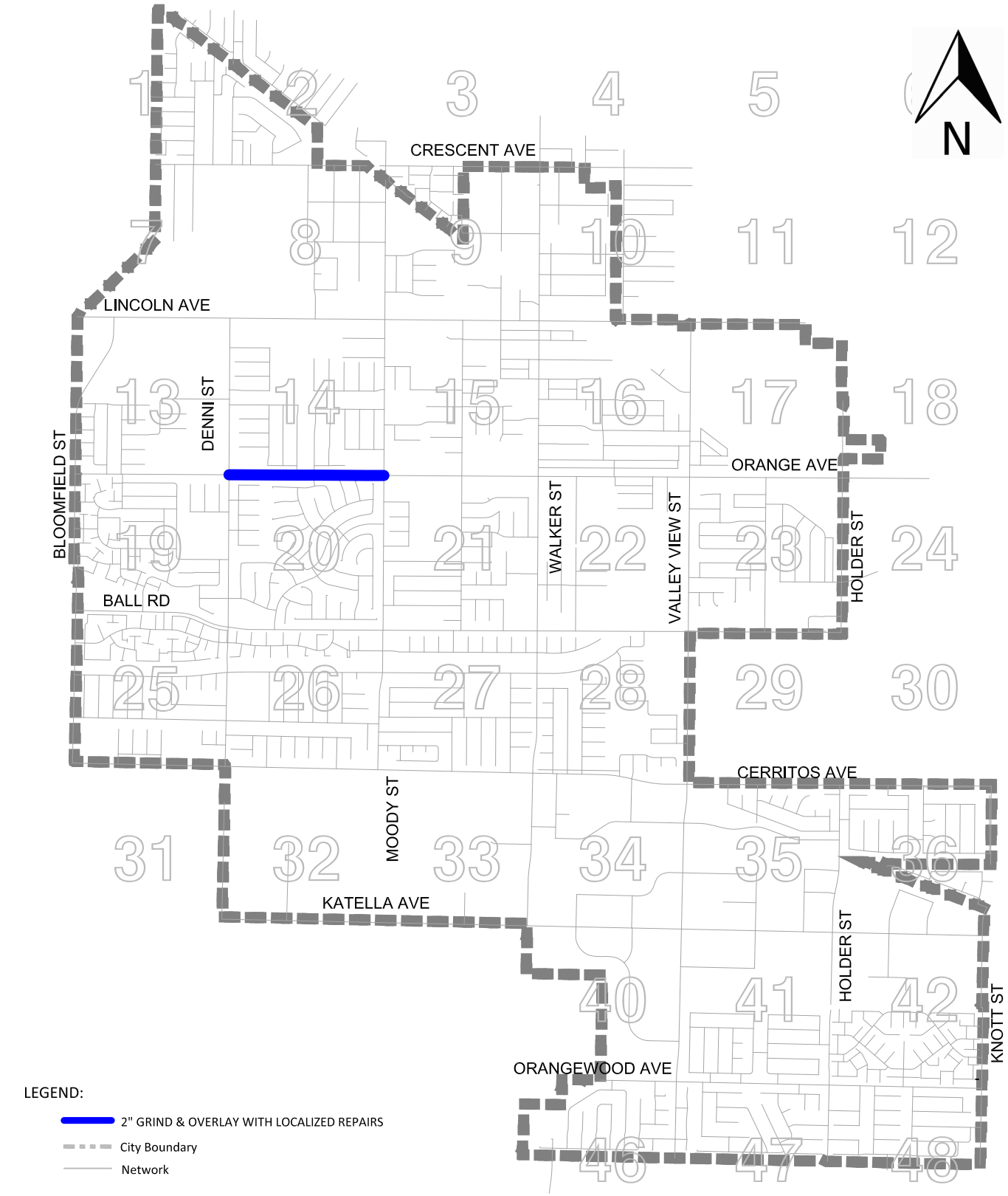
None required.

APPROVED BY: Peter Grant, City Manager

Attachments

Location Map
Project Award Information
Task Order

CIP 315 Arterial Rehabilitation - PMRF



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Project Award Information Checklist

Description of Project:
Grind and overlay 2.3 lane miles of pavement and replace 1,400 square feet of sidewalk, 430 linear feet of curb and gutter, and nine trees along Orange Avenue (Moody Street to Denni Street).

Contract Working Days: 25 working days

Orange County Register Publication Date: June 18, 2024 & June 25, 2024

Notice Inviting Bids Sent to: CIPList.com, The Orange County Register, McGraw-Hill Construction, Dodge Data & Analytics, AGC Plan Room, North America Procurement Council, Inc. PBC, Construction Bid Source

Bid Opening Date: July 9, 2024

No. of Bid Packets Purchased: 24

	Bidders	Base Bid
1.	Hardy & Harper, Inc., Lake Forest, CA	$617,000.00
2.	R.J. Noble Company, Orange, CA	$672,524.00
3.	All American Asphalt, Corona, CA	$709,242.00
4.	Onyx Paving, Anaheim, CA	$728,000.00
5.	PALP, Inc DBA Excel Paving, Long Beach, CA	$758,722.00

Apparent Low Bidder: Hardy & Harper, Inc., Lake Forest, CA – $617,000.00

Qualified to Perform Work: Yes. Staff confirmed bid was responsive.

Contractor's License:		**Registration with DIR:**	
Valid at Time of Award:	Yes	**Contractor:**	Yes
Valid at Time of Bid:	Yes	**Sub-Contractor:**	Yes

Experience:
The apparent low bidder has performed this type of work for multiple government agencies in Southern California.

Construction Management/Inspection Firm: FCG Consultants, Inc.

On-Call Contract Date: July 1, 2024

Amount of Task Order: $ 48,688.92

Kevin Chin

BID RESULTS

for

ORANGE AVENUE REHABILITATION

PROJECT 315

Bid Opening: Tuesday, July 9, 2024 at 11:00 AM

PRELIMINARY BID RESULTS - FOR INFORMATIONAL PURPOSES ONLY

	CONTRACTOR	TOTAL BID
1	Hardy & Harper, Inc.	$ 617,000.00
2	RJ Noble Company	$ 672,524.00
3	All American Asphalt	$ 709,242.00
4	Onyx Paving	$ 728,000.00
5	Excel Paving	$ 758,722.00
6		
7		
8		
9		
10		

PROPOSAL BID SHEET
PROJECT 315
ORANGE AVENUE REHABILITATION

Date: Tuesday, July 9, 2024, at 11:00 A.M.

Company Name: Hardy & Harper, Inc.

Address: 32 Rancho Circle, Lake Forest, CA 92630

Telephone: 714-444-1851

Email: mchurnock@hardyandharper.com

Contractor's License No. and Class: 215952 A, C-8 & C12

Contractor's DIR Public Works Registration No: 1000000076

Honorable Councilmembers:

The undersigned principal, after having carefully examined the plans, Specifications and General Provisions for the City of Cypress Project 315, hereby proposes and agrees to furnish all labor, materials, equipment, plant, transportation, services, sales taxes and other costs necessary to complete the entire project in strict conformity with the specifications, general and special provisions, and all addenda therefore as prepared by the Engineering Division of the Department of Public Works Department of the City of Cypress and to complete all work within the contract time specified in this PROPOSAL, for the following bid:

BASE BID:

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
1.	1	LS	Mobilization (Section 9-3.4) Fourteen Thousand Five Hundred sixty Dollars (Not to exceed 5% of total bid amount excepting Item 1) PER LS	$ 14,560	$ 14,560
2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) Fifty Three Thousand Twenty Three Dollars PER LS	$ 53,023	$ 53,023
3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) Five Thousand Four Hundred sixty Dollars PER LS	$ 5,460	$ 5,460
4.	2	EA	Changeable Message Signs (Section 7-10) one Thousand Five Hundred Dollars PER EA	$ 1,500	$ 3,000
5.	147,000	SF	Full-Width Cold Milling (2") (Section 302-1) Thirty Four cents PER SF	$ .34	$ 49,980

6.	1,875	TON	ARHM Overlay (ARHM-GG-C) (2") (Section 203-11 and 302-9) One Hundred Thirty Nine Dollars PER TON	$ 139	$ 260,625
7.	134	TON	AC Leveling Course (Section 302) Two Hundred Five Dollars PER TON	$ 205	$ 27,470
8.	134	TON	Remove and Replace 4" AC (Section 302) Two Hundred Six Dollars PER TON	$ 206	$ 27,604
9.	17	EA	Adjust Manhole to Grade (Section 302-5.8) One Thousand Two Hundred Dollars PER EA	$ 1,200	$ 20,400
10.	6	EA	Adjust OCSD Manhole to Grade (Section 302-5.8) Two Thousand seven Hundred Dollars PER EA	$ 2,700	$ 16,200
11.	14	EA	Traffic Loops (Type E) (Section 307-4) Four Hundred Twenty Five Dollars PER EA	$ 425	$ 5,950
12.	6	EA	Traffic Loops (Type E MOD) (Section 307-4) – Bicycle Four Hundred Fifty Dollars PER EA	$ 450	$ 2,700
13.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Section 310) Thirty one Thousand Two Hundred seventy Dollars PER LS	$ 31,270	$ 31,270
14.	1,407	SF	Remove and Replace PCC Sidewalk (Section 201-1, 303 and Special Provisions Section 9) Fourteen Dollars PER SF	$ 14	$ 19,698
15.	430	LF	Remove and Replace PCC Curb and Gutter (Section 303 and Special Provisions Section 9) ninety seven Dollars PER LF	$ 97	$ 41,710
16.	9	EA	Remove Tree – 14"+ DBH (Section 300.1 and Special Provisions Section 9) one Thousand four Hundred Fifty Dollars PER EA	$ 1,450	$ 13,050
16.	9	EA	Plant 24" Box Tree Crape Myrtle with 90 – Calendar Day Tree Establishment and Maintenance Period with a One (1) Year Warranty (Section 300, 800, and 801 and Street Tree Selection Manual) Two Thousand seven Hundred Dollars PER EA	$ 2,700	$ 24,300

TOTAL AMOUNT OF BASE BID: $ 617,000.00

TOTAL AMOUNT OF BID IN WORDS: six Hundred seventeen Thousand

Dollars Even

(Please Print Total Amount of Bid in WORDS)

The Total Amount of Base Bid shall include all work and cost for work as specified on the project plans and delineated in the project specifications and all other incidental and appurtenant work that is necessary to complete the specific items of work including Bidder's overhead and mark-up, purchase of materials, taxes, transportation, permit fees, and all other costs made necessary by the Contract Documents to provide the City of Cypress with a complete operational facility meeting the approval of the City of Cypress and other agencies having jurisdiction over the project. The determination of the lowest responsive Bidder shall be based upon the comparison of the Base Bid only.

CONTRACT TIME: It is understood and agreed that the time limit for the completion of the above work shall be within **TWENTY FIVE (25)** working days of the commencement date given on the Notice to Proceed, and that required overtime and other costs are a part of the bid as noted above.

BID ADDENDA: Bidders who purchase plans and specifications at the City shall be placed on a bidders list, and shall receive any issued Bid Addenda. Bidders, who obtain plans and specifications from plan rooms or other sources, are responsible to contact the Public Works Department at 714-229-6740, in order to be placed on the Bidders List and receive any issued Addenda. Bidders shall submit a signed copy of all issued Bid Addenda with their bid. Failure to do so, may subject their bid to rejection.

PROPOSAL BID SHEET
PROJECT 315
ORANGE AVENUE REHABILITATION

Date: Tuesday, July 9, 2024, at 11:00 A.M.

Company Name: R.J. NOBLE COMPANY

Address: 15505 E. LINCOLN AVE., ORANGE, CA 92865

Telephone: 714-637-1550

Email: Jacob Breedlove <JacobBreedlove@rjnoblecompany.com>

Contractor's License No. and Class: 782908 CLASS A & C12

Contractor's DIR Public Works Registration No: 1000004235

Honorable Councilmembers:

The undersigned principal, after having carefully examined the plans, Specifications and General Provisions for the City of Cypress Project 315, hereby proposes and agrees to furnish all labor, materials, equipment, plant, transportation, services, sales taxes and other costs necessary to complete the entire project in strict conformity with the specifications, general and special provisions, and all addenda therefore as prepared by the Engineering Division of the Department of Public Works Department of the City of Cypress and to complete all work within the contract time specified in this PROPOSAL, for the following bid:

BASE BID:

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
1.	1	LS	Mobilization (Section 9-3.4) Thirty thousand dollars and no cents (Not to exceed 5% of total bid amount excepting Item 1) PER LS	$ 30,000.00	$ 30,000.00
2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) Forty nine thousand dollars and no cents PER LS	$ 49,000.00	$ 49,000.00
3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) TWO THOUSAND SEVEN HUNDRED FIFTY DOLLARS AND NO CENTS PER LS	$ 2,750.00	$ 2,750.00
4.	2	EA	Changeable Message Signs (Section 7-10) ONE THOUSAND NINE HUNDRED EIGHTY DOLLARS & NO CENTS PER EA	$ 1,980.00	$ 3,960.00
5.	147,000	SF	Full-Width Cold Milling (2") (Section 302-1) ZERO DOLLARS AND THIRTY FOUR CENTS PER SF	$ 0.34	$ 49,980.00

6.	1,875	TON	ARHM Overlay (ARHM-GG-C) (2") (Section 203-11 and 302-9) ONE HUNDRED FIFTY DOLLARS & NO CENTS PER TON	$ 150.00	$281,250.00
7.	134	TON	AC Leveling Course (Section 302) ONE HUNDRED EIGHTY FIVE DOLLARS AND NO CENTS PER TON	$ 185.00	$ 24,790.00
8.	134	TON	Remove and Replace 4" AC (Section 302) TWO HUNDRED FIFTY FIVE DOLLARS AND NO CENTS PER TON	$ 255.00	$ 34,170.00
9.	17	EA	Adjust Manhole to Grade (Section 302-5.8) ONE THOUSAND THREE HUNDRED FIFTEEN DOLLARS AND NO CENTS PER EA	$ 1,315.00	$ 22,355.00
10.	6	EA	Adjust OCSD Manhole to Grade (Section 302-5.8) TWO THOUSAND SEVENHUNDRED SEVENTY FIVE DOLLARS & NO CENTS PER EA	$ 2,775.00	$ 16,650.00
11.	14	EA	Traffic Loops (Type E) (Section 307-4) FOUR HUNDRED SEVENTY FIVE DOLLARS AND NO CENTS PER EA	$ 475.00	$ 6,650.00
12.	6	EA	Traffic Loops (Type E MOD) (Section 307-4) – Bicycle FOUR HUNDRED SEVENTY FIVE DOLLARS AND NO CENTS PER EA	$ 475.00	$ 2,850.00
13.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Section 310) Thirty three thousand dollars and no cents PER LS	$ 33,000.00	$ 33,000.00
14.	1,407	SF	Remove and Replace PCC Sidewalk (Section 201-1, 303 and Special Provisions Section 9) SEVENTEEN DOLLARS AND NO CENT S PER SF	$ 17.00	$ 23,919.00
15.	430	LF	Remove and Replace PCC Curb and Gutter (Section 303 and Special Provisions Section 9) ONE HUNDRED TWENTY DOLLARS AND NO CENTS PER LF	$ 120.00	$ 51,600.00
16.	9	EA	Remove Tree – 14"+ DBH (Section 300.1 and Special Provisions Section 9) TWO THOUSAND EIGHT HUNDRED FIFTY DOLLARS & NO CENTS PER EA	$ 2,850.00	$ 25,650.00
16.	9	EA	Plant 24" Box Tree Crape Myrtle with 90 – Calendar Day Tree Establishment and Maintenance Period with a One (1) Year Warranty (Section 300, 800, and 801 and Street Tree Selection Manual) ONE THOUSAND FIVE HUNDRED FIFTY DOLLARS AND NO CENTS PER EA	$ 1,550.00	$ 13,950.00

TOTAL AMOUNT OF BASE BID: $ 672,524.00

TOTAL AMOUNT OF BID IN WORDS: Six hundred seventy two thousand five hundred twenty four dollars and no cents **Dollars**

(Please Print Total Amount of Bid in WORDS)

The Total Amount of Base Bid shall include all work and cost for work as specified on the project plans and delineated in the project specifications and all other incidental and appurtenant work that is necessary to complete the specific items of work including Bidder's overhead and mark-up, purchase of materials, taxes, transportation, permit fees, and all other costs made necessary by the Contract Documents to provide the City of Cypress with a complete operational facility meeting the approval of the City of Cypress and other agencies having jurisdiction over the project. The determination of the lowest responsive Bidder shall be based upon the comparison of the Base Bid only.

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PROPOSAL BID SHEET
PROJECT 315
ORANGE AVENUE REHABILITATION

Date: Tuesday, July 9, 2024, at 11:00 A.M.

Company Name: All American Asphalt

Address: PO Box 2229, Corona, CA 92878

Telephone: 951-736-7600

Email: publicworks@allamericanasphalt.com

Contractor's License No. and Class: 267073 - Class A

Contractor's DIR Public Works Registration No: 1000001051

Honorable Councilmembers:

The undersigned principal, after having carefully examined the plans, Specifications and General Provisions for the City of Cypress Project 315, hereby proposes and agrees to furnish all labor, materials, equipment, plant, transportation, services, sales taxes and other costs necessary to complete the entire project in strict conformity with the specifications, general and special provisions, and all addenda therefore as prepared by the Engineering Division of the Department of Public Works Department of the City of Cypress and to complete all work within the contract time specified in this PROPOSAL, for the following bid:

BASE BID:

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
1.	1	LS	Mobilization (Section 9-3.4) THIRTY THOUSAND DOLLARS AND ZERO CENTS (Not to exceed 5% of total bid amount excepting Item 1) PER LS	$ 30,000	$ 30,000
2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) SIXTY-SEVEN THOUSAND DOLLARS AND ZERO CENTS PER LS	67,000 ~~$68,000~~ EC	67,000 ~~$68,000~~ EC
3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) FOUR THOUSAND, ONE HUNDRED DOLLARS AND ZERO CENTS PER LS	$ 4,100	$ 4,100
4.	2	EA	Changeable Message Signs (Section 7-10) TWO THOUSAND, ONE HUNDRED DOLLARS AND ZERO CENTS PER EA	$ 2,100	$ 4,200
5.	147,000	SF	Full-Width Cold Milling (2") (Section 302-1) FIFTY-SEVEN CENTS PER SF	$ 0.57¢	$ 83,790

6.	1,875	TON	ARHM Overlay (ARHM-GG-C) (2") (Section 203-11 and 302-9) ONE HUNDRED FORTY-THREE DOLLARS AND ZERO CENTS PER TON	$ 143.00	$268,125
7.	134	TON	AC Leveling Course (Section 302) ONE HUNDRED SIXTY-SEVEN DOLLARS AND ZERO CENTS PER TON	$ 167.00	$22,378
8.	134	TON	Remove and Replace 4" AC (Section 302) TWO HUNDRED SIXTY-FOUR DOLLARS AND ZERO CENTS PER TON	$ 264.00	$35,376
9.	17	EA	Adjust Manhole to Grade (Section 302-5.8) ONE THOUSAND, SEVEN HUNDRED DOLLARS AND ZERO CENTS PER EA	$ 1,700	$ 28,900
10.	6	EA	Adjust OCSD Manhole to Grade (Section 302-5.8) FOUR THOUSAND, THREE HUNDRED DOLLARS AND ZERO CENTS PER EA	4,300 ~~$1,700~~ EC	25,800 ~~$10,200~~ EC
11.	14	EA	Traffic Loops (Type E) (Section 307-4) FOUR HUNDRED THIRTY-SIX DOLLARS AND ZERO CENTS PER EA	$ 436.00	$ 6,104
12.	6	EA	Traffic Loops (Type E MOD) (Section 307-4) – Bicycle FOUR HUNDRED THIRTY-SIX DOLLARS AND ZERO CENTS PER EA	$ 436.00	$2,616
13.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Section 310) THIRTY THOUSAND DOLLARS AND ZERO CENTS PER LS	$ 30,000	$ 30,000
14.	1,407	SF	Remove and Replace PCC Sidewalk (Section 201-1, 303 and Special Provisions Section 9) NINETEEN DOLLARS AND ZERO CENTS PER SF	$ 19.00	$26,733
15.	430	LF	Remove and Replace PCC Curb and Gutter (Section 303 and Special Provisions Section 9) NINETY-TWO DOLLARS AND ZERO CENTS PER LF	$ 92.00	$39,560
16.	9	EA	Remove Tree – 14"+ DBH (Section 300.1 and Special Provisions Section 9) ONE THOUSAND, FOUR HUNDRED FORTY DOLLARS AND ZERO CENTS PER EA	$ 1,440	$12,960
16.	9	EA	Plant 24" Box Tree Crape Myrtle with 90 – Calendar Day Tree Establishment and Maintenance Period with a One (1) Year Warranty (Section 300, 800, and 801 and Street Tree Selection Manual) TWO THOUSAND, FOUR HUNDRED DOLLARS AND ZERO CENTS PER EA	$ 2,400	$ 21,600

TOTAL AMOUNT OF BASE BID: $ 709,242

TOTAL AMOUNT OF BID IN WORDS: SEVEN HUNDRED NINE THOUSAND, TWO HUNDRED FORTY-TWO DOLLARS AND ZERO CENTS Dollars

(Please Print Total Amount of Bid in WORDS)

The Total Amount of Base Bid shall include all work and cost for work as specified on the project plans and delineated in the project specifications and all other incidental and appurtenant work that is necessary to complete the specific items of work including Bidder's overhead and mark-up, purchase of materials, taxes, transportation, permit fees, and all other costs made necessary by the Contract Documents to provide the City of Cypress with a complete operational facility meeting the approval of the City of Cypress and other agencies having jurisdiction over the project. The determination of the lowest responsive Bidder shall be based upon the comparison of the Base Bid only.

CONTRACT TIME: It is understood and agreed that the time limit for the completion of the above work shall be within **TWENTY FIVE (25)** working days of the commencement date given on the Notice to Proceed, and that required overtime and other costs are a part of the bid as noted above.

BID ADDENDA: Bidders who purchase plans and specifications at the City shall be placed on a bidders list, and shall receive any issued Bid Addenda. Bidders, who obtain plans and specifications from plan rooms or other sources, are responsible to contact the Public Works Department at 714-229-6740, in order to be placed on the Bidders List and receive any issued Addenda. Bidders shall submit a signed copy of all issued Bid Addenda with their bid. Failure to do so, may subject their bid to rejection.

PROPOSAL BID SHEET
PROJECT 315
ORANGE AVENUE REHABILITATION

Date: Tuesday, July 9, 2024, at 11:00 A.M.

Company Name: ONYX PAVING COMPANY, INC.

Address: 2890 E. LA CRESTA AVE. ANAHEIM, CA 92806

Telephone: 714-632-6699

Email: BIDS@ONYXPAVING.NET

Contractor's License No. and Class: 630360; A, C12

Contractor's DIR Public Works Registration No: 1000004798

Honorable Councilmembers:

The undersigned principal, after having carefully examined the plans, Specifications and General Provisions for the City of Cypress Project 315, hereby proposes and agrees to furnish all labor, materials, equipment, plant, transportation, services, sales taxes and other costs necessary to complete the entire project in strict conformity with the specifications, general and special provisions, and all addenda therefore as prepared by the Engineering Division of the Department of Public Works Department of the City of Cypress and to complete all work within the contract time specified in this PROPOSAL, for the following bid:

BASE BID:

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
1.	1	LS	Mobilization (Section 9-3.4) thirty three thousand dollars even (Not to exceed 5% of total bid amount excepting Item 1) PER LS	$ 33,000	$ 33,000
2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) one hundred and twenty three thousand dollars even PER LS	$ 123,000	$ 123,000
3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) Six thousand two hundred and nineteen dollars even PER LS	$ 6,219	$ 6,219
4.	2	EA	Changeable Message Signs (Section 7-10) two thousand two hundred dollars even PER EA	$ 2,200	$ 4,400
5.	147,000	SF	Full-Width Cold Milling (2") (Section 302-1) thirty three cents even PER SF	$ 0.33	$ 48,510

6.	1,875	TON	ARHM Overlay (ARHM-GG-C) (2") (Section 203-11 and 302-9) one hundred and forty two dollars even PER TON	$ 142	$ 266,250
7.	134	TON	AC Leveling Course (Section 302) two hundred twenty two dollars even PER TON	$ 222	$ 29,748
8.	134	TON	Remove and Replace 4" AC (Section 302) three hundred thirty three dollars even PER TON	$ 333	$ 44,622
9.	17	EA	Adjust Manhole to Grade (Section 302-5.8) one thousand one hundred eleven dollars even PER EA	$ 1,111	$ 18,887
10.	6	EA	Adjust OCSD Manhole to Grade (Section 302-5.8) two thousand two hundred twenty two dollars even PER EA	$ 2,222	$ 13,332
11.	14	EA	Traffic Loops (Type E) (Section 307-4) four hundred forty four dollars even PER EA	$ 444	$ 6,216
12.	6	EA	Traffic Loops (Type E MOD) (Section 307-4) – Bicycle four hundred forty four dollars even PER EA	$ 444	$ 2,664
13.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Section 310) thirty three thousand dollars even PER LS	$ 33,000	$ 33,000
14.	1,407	SF	Remove and Replace PCC Sidewalk (Section 201-1, 303 and Special Provisions Section 9) sixteen dollars even PER SF	$ 16	$ 22,512
15.	430	LF	Remove and Replace PCC Curb and Gutter (Section 303 and Special Provisions Section 9) eighty eight dollars even PER LF	$ 88	$ 37,840
16.	9	EA	Remove Tree – 14"+ DBH (Section 300.1 and Special Provisions Section 9) one thousand five hundred dollars even PER EA	$ 1,500	$ 13,500
16.	9	EA	Plant 24" Box Tree Crape Myrtle with 90 – Calendar Day Tree Establishment and Maintenance Period with a One (1) Year Warranty (Section 300, 800, and 801 and Street Tree Selection Manual) two thousand seven hundred dollars even PER EA	$ 2,700	$ 24,300

TOTAL AMOUNT OF BASE BID: $ 728,000

TOTAL AMOUNT OF BID IN WORDS: Seven hundred and twenty eight thousand Dollars even

(Please Print Total Amount of Bid in WORDS)

The Total Amount of Base Bid shall include all work and cost for work as specified on the project plans and delineated in the project specifications and all other incidental and appurtenant work that is necessary to complete the specific items of work including Bidder's overhead and mark-up, purchase of materials, taxes, transportation, permit fees, and all other costs made necessary by the Contract Documents to provide the City of Cypress with a complete operational facility meeting the approval of the City of Cypress and other agencies having jurisdiction over the project. The determination of the lowest responsive Bidder shall be based upon the comparison of the Base Bid only.

CONTRACT TIME: It is understood and agreed that the time limit for the completion of the above work shall be within **TWENTY FIVE (25)** working days of the commencement date given on the Notice to Proceed, and that required overtime and other costs are a part of the bid as noted above.

BID ADDENDA: Bidders who purchase plans and specifications at the City shall be placed on a bidders list, and shall receive any issued Bid Addenda. Bidders, who obtain plans and specifications from plan rooms or other sources, are responsible to contact the Public Works Department at 714-229-6740, in order to be placed on the Bidders List and receive any issued Addenda. Bidders shall submit a signed copy of all issued Bid Addenda with their bid. Failure to do so, may subject their bid to rejection.

PROPOSAL BID SHEET
PROJECT 315
ORANGE AVENUE REHABILITATION

Date: Tuesday, July 9, 2024, at 11:00 A.M.

Company Name: PALP, INC DBA EXCEL PAVING

Address: 2230 LEMON AVE LONG BEACH, CA 90806

Telephone: 562) 599-5841

Email: estimating@excelpaving.net

Contractor's License No. and Class: STATE LIC# 688659 A, C12, C31

Contractor's DIR Public Works Registration No: DIR# 1000003331

Honorable Councilmembers:

The undersigned principal, after having carefully examined the plans, Specifications and General Provisions for the City of Cypress Project 315, hereby proposes and agrees to furnish all labor, materials, equipment, plant, transportation, services, sales taxes and other costs necessary to complete the entire project in strict conformity with the specifications, general and special provisions, and all addenda therefore as prepared by the Engineering Division of the Department of Public Works Department of the City of Cypress and to complete all work within the contract time specified in this PROPOSAL, for the following bid:

BASE BID:

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
1.	1	LS	Mobilization (Section 9-3.4) Thirty Four Thousand dollars (Not to exceed 5% of total bid amount excepting Item 1) PER LS	$ 34000-	$ 34000-
2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) ONE HUNDRED Twenty Seven Thousand Dollars PER LS	$ 127000-	$ 127000-
3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) Five thousand dollars PER LS	$ 5,000.00	$ 5,000.00
4.	2	EA	Changeable Message Signs (Section 7-10) One thousand four hundred dollars PER EA	$ 1,400.00	$ 2,800.00
5.	147,000	SF	Full-Width Cold Milling (2") (Section 302-1) THIRTY NINE CENTS PER SF	$ 0.39	$ 57330.-

6.	1,875	TON	ARHM Overlay (ARHM-GG-C) (2") (Section 203-11 and 302-9) One hundred thirty-five dollars PER TON	$ 135.00	$ 253,125.00
7.	134	TON	AC Leveling Course (Section 302) Two Hundred Dollars PER TON	$ 200.-	$ 26800.
8.	134	TON	Remove and Replace 4" AC (Section 302) Two Hundred Sixty Dollars PER TON	$ 260.-	$ 34 840.-
9.	17	EA	Adjust Manhole to Grade (Section 302-5.8) Two thousand four hundred dollars PER EA	$ 2,400.00	$ 40,800.00
10.	6	EA	Adjust OCSD Manhole to Grade (Section 302-5.8) Three thousand five hundred dollars PER EA	$ 3,500.00	$ 21,000.00
11.	14	EA	Traffic Loops (Type E) (Section 307-4) Four hundred thirty dollars PER EA	$ 430.00	$ 6,020.00
12.	6	EA	Traffic Loops (Type E MOD) (Section 307-4) – Bicycle Four hundred sixty dollars PER EA	$ 460.00	$ 2,760.00
13.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Section 310) Thirty one Thousand Dollars PER LS	$ 31000.-	$ 31000.-
14.	1,407	SF	Remove and Replace PCC Sidewalk (Section 201-1, 303 and Special Provisions Section 9) Twenty-one dollars PER SF	$ 21.00	$ 29,547.00
15.	430	LF	Remove and Replace PCC Curb and Gutter (Section 303 and Special Provisions Section 9) One hundred twenty dollars PER LF	$ 120.00	$ 51,600.00
16.	9	EA	Remove Tree – 14"+ DBH (Section 300.1 and Special Provisions Section 9) One thousand five hundred dollars PER EA	$ 1,500.00	$ 13,500.00
16.	9	EA	Plant 24" Box Tree Crape Myrtle with 90 – Calendar Day Tree Establishment and Maintenance Period with a One (1) Year Warranty (Section 300, 800, and 801 and Street Tree Selection Manual) Two thousand four hundred dollars PER EA	$ 2,400.00	$ 21,600.00

TOTAL AMOUNT OF BASE BID: $ 758 722.-

TOTAL AMOUNT OF BID IN WORDS: SEVEN HUNDRED FIFTY EIGHT THOUSAND, SEVEN HUNDRED TWENTY TWO DOLLARS 00/.00 Dollars

(Please Print Total Amount of Bid in WORDS)

The Total Amount of Base Bid shall include all work and cost for work as specified on the project plans and delineated in the project specifications and all other incidental and appurtenant work that is necessary to complete the specific items of work including Bidder's overhead and mark-up, purchase of materials, taxes, transportation, permit fees, and all other costs made necessary by the Contract Documents to provide the City of Cypress with a complete operational facility meeting the approval of the City of Cypress and other agencies having jurisdiction over the project. The determination of the lowest responsive Bidder shall be based upon the comparison of the Base Bid only.

CONTRACT TIME: It is understood and agreed that the time limit for the completion of the above work shall be within **TWENTY FIVE (25)** working days of the commencement date given on the Notice to Proceed, and that required overtime and other costs are a part of the bid as noted above.

BID ADDENDA: Bidders who purchase plans and specifications at the City shall be placed on a bidders list, and shall receive any issued Bid Addenda. Bidders, who obtain plans and specifications from plan rooms or other sources, are responsible to contact the Public Works Department at 714-229-6740, in order to be placed on the Bidders List and receive any issued Addenda. Bidders shall submit a signed copy of all issued Bid Addenda with their bid. Failure to do so, may subject their bid to rejection.

June 26, 2024

Daniel Co
Assistant City Engineer
City of Cypress
Public Works Engineering

SUBJECT: PROPOSAL TO PROVIDE CONSTRUCTION INSPECTION SERVICES FOR THE ORANGE AVENUE REHABILITATION, PROJECT 315

Dear Mr. Co,

FCG Consultants, Inc. is pleased to present our proposal to the City of Cypress to provide professional part-time construction inspection services for the Orange Avenue Rehabilitation, Project 315 in accordance with Attachment "A" – Scope of Services and Attachment "B" – Schedule of Compensation. All work will be completed pursuant to the City of Cypress On-Call Construction Management and Inspection Services Contract dated July 1, 2024.

We look forward to partnering with the City on this project. If there are any questions regarding this proposal, please contact me at (714) 312-0317 or maha.fakhouri@fcgconsultants.com with any questions you may have.

Sincerely,

Maha Fakhouri
President / CEO

ATTACHMENT "A"
SCOPE OF SERVICES

The scope of services includes part-time inspection services and project controls to assist our inspector in the field.

Below is a list of services included in this proposal:

- Represent the City's interests with the overall construction inspection of this project.
- Assist the City with reviewing and approving Submittals and responding to RFI's.
- Monitor the contractor's compliance with the project contract, specifications, and National Pollutant Discharge Elimination System (NPDES).
- Assist City staff with public relations, including distributing construction notices and responding to inquiries of residents and the general public.
- Attend the preconstruction meeting and subsequent weekly field meetings, as needed.
- Assist the City's construction manager in monitoring and documenting the contractor's adherence to the approved construction schedule.
- Be present on the job site when construction is in progress and when inspection is required. Full-time inspection work is proposed as requested by the City. will not be responsible for observing construction activities that are implemented when its inspector is not scheduled/ present on site.
- Provide assistance and direction to technicians performing material tests, as needed.
- Measure and verify the project pay item quantities in place. All pay item quantities must be confirmed with the contractor prior to submission of the invoice for payment.
- Review the contractor's invoices.
- Prepare daily inspection reports (Daily Activity Report, Weekly Statement of Working Days, etc.) as required for this project.
- Review traffic control and coordinate adjustments as needed.
- Identify items requiring corrective action by either the contractor or the City. Monitor and document timely corrective actions implemented by the contractor.
- Develop punch list items and monitor corrections made.

ATTACHMENT "B"
SCHEDULE OF COMPENSATION

City of Cypress
Construction Inspection for
Orange Avenue Rehabilitation Project 315
25 Working-Days Construction Duration

Role / Name	Total Hours	Hourly Rate	Extended Fee
Roadway Inspector	248	$149.29	$37,023.92
Materials Testing			$11,665.00
Total Estimated Fee			**$48,688.92**

Exclusions to Scope and Fee: The following items are specifically excluded:

1. Night-time/weekend inspection and weekday hours in excess of a regular 8-hour shift that would be subject to overtime pay, unless so authorized in writing by the City
2. Special inspections

CITY OF CYPRESS

CITY COUNCIL REPORT

City Council Regular **7.**

FROM: Douglas Dancs, Director of Public Works

DATE: 08/26/2024

SUBJECT: **Approve Plans and Specifications and Award Contracts for Arterial Street Rehabilitation, Project 377**

RECOMMENDATION

1. Approve Plans and Specifications for Arterial Street Rehabilitation, Project 377; and

2. Award a contract to All American Asphalt for $2,496,688 and authorize a contingency of $374,500; and

3. Approve a Task Order for Construction Inspection Services and Materials Testing to FCG Consultants, Inc., for $97,101 and authorize a contingency of $14,565

4. Approve a Cooperative Agreement with the City of Buena Park to share the cost of asphalt overlay improvements on Valley View Street; and

5. Approve a $155,000 increase in Estimated Revenues in the RMRA Gas Tax Fund for estimated reimbursements from the City of Buena Park.

DISCUSSION

Many projects within the Capital Improvements Program (CIP) are part of a regular multi-year program to ensure City infrastructure is adequately funded and maintained. The arterial street rehabilitation project is part of the annual CIP to ensure proper street maintenance.

This arterial rehabilitation project will resurface approximately 13 lane miles of pavement, including Valley View Street (Katella Avenue to Ball Road), Ball Road (Bloomfield Street and Denni Street), and Orange Avenue (Bloomfield Street and Denni Street). Proper rehabilitation of streets, at timely intervals, is the most effective strategy to keep the pavement in good condition and saves money in the long run by preventing deterioration that would require more costly treatments.

On August 9, the City received six bid proposals for the project with All American Asphalt as the low bidder. FCG Consultants, Inc., the City's on-call construction manager, will inspect

the project. A summary of project award information is attached.

A small portion of Valley View Street falls within Buena Park. On August 13, the Buena Park City Council approved the cooperative agreement to add their street section to the scope of work. Buena Park will reimburse Cypress an estimated $155,000. The actual cost will be determined based on final quantities and prices.

Construction will begin late-September with completion in November.

BUDGET IMPACT

Sufficient amounts are budgeted in the RMRA Gas Tax Fund for project construction. The total project cost of $3,056,854 includes construction, inspection, in-house labor, and contingency, and is within the $3,100,000 adopted budget. Buena Park will reimburse Cypress an estimated $155,000 for the portion of work within their boundaries.

LEGAL REVIEW

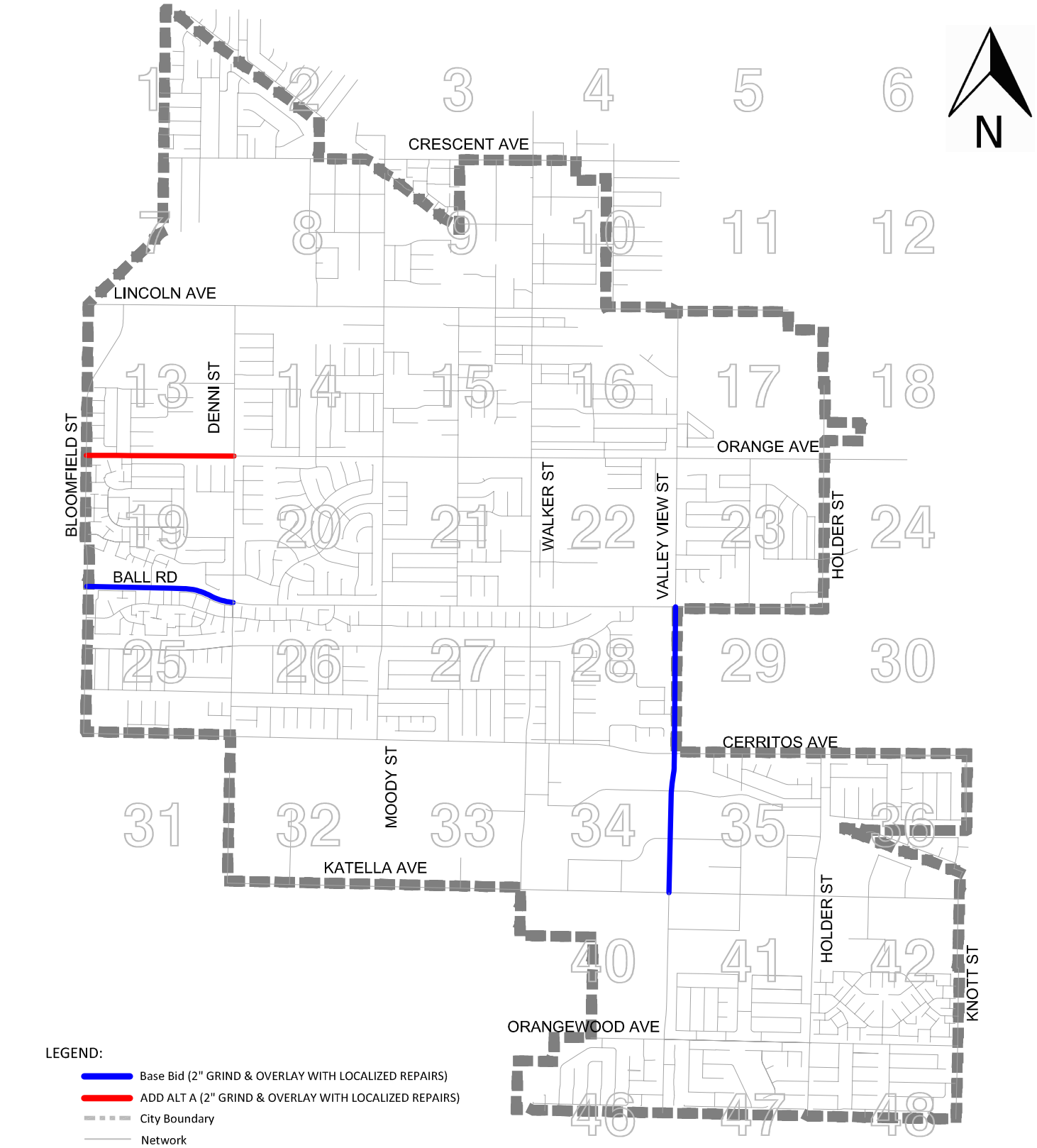
The City Attorney has reviewed and approved the agreement as to form.

APPROVED BY: Peter Grant, City Manager

Attachments

Location Map
Project Award Information
Task Order
Cooperative Agreement

CIP 377 Arterial Street Rehabilitation



Project Award Information Checklist

Description of Project:
Grind and overlay Valley View Street (Katella Avenue to Ball Road), Ball Road (Bloomfield Street to Denni Street), and Orange Avenue (Bloomfield Street to Dennis Street).

Contract Working Days: 40 working days

Orange County Register Publication Date: July 25, 2024 & August 1, 2024

Notice Inviting Bids Sent to: CIPList.com, The Orange County Register, McGraw-Hill Construction, Dodge Construction Network, AGC Plan Room, Construct Connect

Bid Opening Date: August 9, 2024

No. of Bid Packets Purchased: 28

	Bidders	Base Bid	Base Bid + Alt A
1.	All American Asphalt, Corona, CA	$1,915,661.00	$2,496,388.00
2.	R.J. Noble Company, Orange, CA	$1,963,678.27	$2,625,995.07
3.	Hardy & Harper, Inc., Lake Forest, CA	$2,067,699.46	$2,552,367.00
4.	Excel Paving, Long Beach, CA	$2,068,932.61	$2,667,885.58
5.	LCR Earthwork & Engineering, Corp., Jurupa Valley, CA	$2,184,790.95	$2,772,769.80
6.	Onyx Paving Company, Inc., Anaheim, CA	$2,238,000.00	$2,838,000.00

Apparent Low Bidder: All American Asphalt, Corona, CA – $1,915,661.00

Qualified to Perform Work: Yes. Staff confirmed bid was responsive.

Contractor's License:
Valid at Time of Award: Yes
Valid at Time of Bid: Yes

Registration with DIR:
Contractor: Yes
Sub-Contractor: Yes

Experience:
The apparent low bidder has performed this type of work for multiple government agencies in Southern California.

Construction Management/Inspection Firm: FCG Consultants, Inc.

On-Call Contract Date: July 1, 2024

Amount of Task Order: $ 97,101.00

Kevin Chin

BID RESULTS

for

ARTERIAL STREET REHABILITATION

PROJECT 377

Bid Opening: Friday, August 9, 2024 at 11:00 AM

PRELIMINARY BID RESULTS - FOR INFORMATIONAL PURPOSES ONLY

	CONTRACTOR	TOTAL BID
1	All American Asphalt	$ 1,915,661.00
2	RJ Noble Company	$ 1,963,678.27
3	Hardy & Harper, Inc.	$ 2,067,699.46
4	Excel Paving	$ 2,068,932.61
5	LCR Earthwork & Engineering, Corp.	$ 2,184,790.95
6	Onyx Paving Company, Inc.	$ 2,238,000.00
7		
8		
9		
10		

PROPOSAL BID SHEET
PROJECT 377
ARTERIAL STREET REHABILITATION

Date: Friday, August 9, 2024, at 11:00 A.M.

Company Name: All American Asphalt

Address: PO Box 2229, Corona, CA 92878

Telephone: 951-736-7600

Email: publicworks@allamericanasphalt.com

Contractor's License No. and Class: 267073 - Class A

Contractor's DIR Public Works Registration No: 1000001051

Honorable Councilmembers:

The undersigned principal, after having carefully examined the plans, Specifications and General Provisions for the City of Cypress Project 377, hereby proposes and agrees to furnish all labor, materials, equipment, plant, transportation, services, sales taxes and other costs necessary to complete the entire project in strict conformity with the specifications, general and special provisions, and all addenda therefore as prepared by the Engineering Division of the Department of Public Works Department of the City of Cypress and to complete all work within the contract time specified in this PROPOSAL, for the following bid:

BASE BID – Valley View Street (Ball Road to Katella Avenue) and Ball Road (Bloomfield Street to Denni Street) – Grind and Overlay

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
1.	1	LS	Mobilization (Section 9-3.4) eight thousand, eight hundred dollars and seventy-one cents (Not to exceed 5% of total bid amount excepting Item 1) PER LS	$ 8,800.71	$ 8,800.71
2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) one hundred ten thousand dollars even PER LS	$ 110,000-	$ 110,000-
3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) eleven thousand dollars even PER LS	$ 11,000-	$ 11,000-
4.	14	EA	Changeable Message Signs (Section 7-10) one thousand, eight hundred dollars even PER EA	$ 1,800-	25,200- $ ~~1,800~~ EC

5.	663,117	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Week Day, Regular Work Hours Thirty-seven cents PER SF	$ .37-	$ 245,353.29
6.	15,400	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Week Day, Night Work one dollar and forty-three cents PER TON	$ 1.43	$ 22,022-
7.	8,173	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Week Day, Regular Work Hours one hundred thirty-five dollars even PER TON	$ 135-	$ 1,103,355-
8.	190	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Week Day, Night Work Three hundred seventy dollars even PER TON	$ 370-	$ 70,300-
9.	409	TON	AC Leveling Course (Section 302) one hundred fifty seven dollars even PER TON	$ 157-	$ 64,213-
10.	409	TON	Remove and Replace 4" AC (Section 302) ~~one hundred ninety dollars~~ (EC) one hundred ninety-seven dollars even PER TON	$ 197-	$ 80,575-
11.	22	EA	Double Adjust Manhole to Grade (Cypress Brown Book Section 302-5.8) one thousand, three hundred sixty dollars even PER EA	$ 1,360-	$ 29,920-
12.	2	EA	Double Adjust OCSD Manhole to Grade (Cypress Brown Book Section 302-5.8) four thousand, two hundred dollars even PER EA	$ 4,200-	$ 8,400-
13.	3	EA	Double Adjust MWD Manhole to Grade (Cypress Brown Book Section 302-5.8) two thousand, six hundred ten dollars even PER EA	$ 2,610-	$ 7,830-
14.	13	EA	Coordinate Double Adjustment of Manholes Owned by Others to Grade (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
15.	2	EA	Protect-in-Place Existing SCE Vault (Cypress Brown Book Section 7-9) PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	

16.	106	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) four hundred seventy dollars even PER EA	$ 470-	$ 49,820-
17.	43	EA	Traffic Loops (Type E MOD) (2022 Caltrans Standard Specifications Section 87-1.03V) – Bicycle four hundred forty-four dollars even PER EA	$ 444-	$ 19,092-
18.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) fifty nine thousand seven hundred eighty-two dollars even PER LS	$ 59,782-	$ 54,782-

TOTAL AMOUNT OF BASE BID: $ 1,915,661.00

TOTAL AMOUNT OF BID IN WORDS: one million, nine hundred fifteen thousand, six hundred sixty-one dollars even Dollars

(Please Print Total Amount of Bid in WORDS)

ADDITIVE - ALTERNATE A – ORANGE AVENUE (BLOOMFIELD ST TO DENNI ST):

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
A2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) fifty-two thousand three hundred five dollars even PER LS	$ 52,305-	$ 52,305-
A3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) Two thousand, five hundred dollars even PER LS	$ 2,500-	$ 2,500-
A4.	2	EA	Changeable Message Signs (Cypress Brown Section 7-10) one thousand, nine hundred thirty dollars even PER EA	$ 1,930-	$ 3,860-
A5.	157,553	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Weekend, Daytime Work Hours Fifty cents PER SF	$ .50	$ 78,776.50
A6.	1,942	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Weekend, Daytime Work Hours	$ 156-	$ 302,952-

			one hundred fifty-six dollars even PER TON		
A7.	97	TON	AC Leveling Course (Cypress Brown Book Section Section 302) Three hundred thirty-five dollars even PER TON	$ 335-	$ 32,495-
A8.	97	TON	Remove and Replace 4" AC (Cypress Brown Book Section 302) Three hundred ninety four dollars and fifty cents PER TON	$ 394.50	$ 38,266.50
A9.	7	EA	Double Adjust Manhole to Grade (Cypress Brown Book Section 302-5.8) one thousand three hundred sixty dollars even PER EA	$ 1,360-	$ 9,520-
A10.	6	EA	Double Adjust OCSD Manhole to Grade (Cypress Brown Book Section 302-5.8) Four thousand two hundred dollars even PER EA	$ 4,200-	$ 25,200-
A11.	13	EA	Coordinate Double Adjustment of Manholes Owned by Others (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
A12.	9	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) Four hundred eighty-eight dollars even. PER EA	$ 488-	$ 4,392-
A13.	4	EA	Traffic Loops (Type E MOD) (2022 Caltrans Standard Specifications Section 87-1.03V) – Bicycle four hundred sixty-one dollars even PER EA	$ 461-	$ 1,844-
A14.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) Twenty eight thousand five hundred sixteen dollars even PER LS	$ 28,916-	$ 28,916-

TOTAL AMOUNT OF ADDITIVE – ALTERNATE A: $ 581,027.00

TOTAL AMOUNT OF ADDITIVE – ALTERNATE A IN WORDS: Five hundred eighty-one thousand, twenty-seven dollars even Dollars

(Please Print Total Amount of Bid in WORDS)

ADDITIVE - ALTERNATE B – VALLEY VIEW ST NORTHBOUND AND SOUTHBOUND #3 LANE (ORANGEWOOD AVE TO SOUTH CITY LIMIT):

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
B2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) Thirty four thousand, four hundred fifteen dollars even PER LS	$ 34,415-	$ 34,415-
B3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) four thousand, one hundred dollars even PER LS	$ 4,100-	$ 4,100-
B4.	2	EA	Changeable Message Signs (Cypress Brown Section 7-10) one thousand, nine hundred twenty six dollars even PER EA	$ 1,926-	$ 3,852-
B5.	40,300	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Weekend, Daytime Work Hours eighty-five cents PER SF	$ .85	$ 34,255-
B6.	497	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Weekend, Daytime Work Hours One hundred ninety seven dollars even PER TON	$ 197-	$ 97,909-
B7.	25	TON	AC Leveling Course (Cypress Brown Book Section Section 302) eight hundred forty dollars even PER TON	$ 840-	$ 21,000-
B8.	25	TON	Remove and Replace 4" AC (Cypress Brown Book Section 302) eight hundred sixty-two dollars even PER TON	$ 862-	$ 21,550-
B9.	1	EA	Coordinate Double Adjustment of Manholes Owned by Others (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
B10.	3	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) one thousand, forty-five dollars even PER EA	$ 1,045-	$ 3,135-
B11.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) four thousand, sixty five dollars even PER LS	$ 4,065-	$ 4,065-

TOTAL AMOUNT OF ADDITIVE – ALTERNATE B: $ 224,281.00

TOTAL AMOUNT OF ADDITIVE – ALTERNATE B IN WORDS: Two hundred twenty-four thousand, two hundred eighty-one dollars even Dollars

(Please Print Total Amount of Bid in WORDS)

Total BASE BID PRICE:	**$1,915,661.00**

Total BASE BID PRICE:	$ 1,915,661.00
Total ADDITIVE – ALTERNATE A PRICE:	$ 581,027.00
Total BASE BID PRICE plus Total ADDITIVE – ALTERNATE A PRICE:	$ 2,496,688.00

Total BASE BID PRICE:	$ 1,915,661.00
Total ADDITIVE – ALTERNATE B PRICE:	$ 224,281.00
Total BASE BID PRICE plus Total ADDITIVE – ALTERNATE B PRICE:	$ 2,139,942.00

NOTE: Per Public Contracts Code Section 20103.8(a), the determination of the lowest bidder shall be based on the lowest bid price on the base bid **ONLY** without consideration of the optional additive and/or deductive bid item(s).

The contract shall be awarded to the lowest responsible bidder based on the base bid, and at the City's discretion, the addition, deletion, or modification of any alternate or combination of **alternatives**.

The Total Amount of Base Bid and Additive Bids shall include all work and cost for work as specified on the project plans and delineated in the project specifications and all other incidental and appurtenant work that is necessary to complete the specific items of work including Bidder's overhead and mark-up, purchase of materials, taxes, transportation, permit fees, and all other costs made necessary by the Contract Documents to provide the City of Cypress with a complete operational facility meeting the approval of the City of Cypress and other agencies having jurisdiction over the project.

No bidder may withdraw his bid for a period of ninety (90) calendar days after the opening of bids.

DAY WORK: Any day work specified for this project shall be performed during the hours 8:30 a.m. to 4:00 p.m., Monday through Friday.

NIGHT WORK: Any night work specified for this project shall be performed during the hours of 8:00 PM to 5:00 AM.

WEEKEND WORK: Any weekend work specified for this project shall be performed during the hours of 8:30 a.m. to 4:00 p.m., Saturday and Sunday and in coordination with the Project Manager. Cold Milling of existing paving shall be re-paved within 32 hours.

PROPOSAL BID SHEET
PROJECT 377
ARTERIAL STREET REHABILITATION

Date: Friday, August 9, 2024, at 11:00 A.M.

Company Name: R.J. NOBLE COMPANY

Address: 15505 E. LINCOLN AVENUE, ORANGE, CA 92865

Telephone: 714-637-1550

Email: jacobbreedlove@rjnoblecompany.com

Contractor's License No. and Class: 782908 CLASS A & C12

Contractor's DIR Public Works Registration No: 1000004235

Honorable Councilmembers:

The undersigned principal, after having carefully examined the plans, Specifications and General Provisions for the City of Cypress Project 377, hereby proposes and agrees to furnish all labor, materials, equipment, plant, transportation, services, sales taxes and other costs necessary to complete the entire project in strict conformity with the specifications, general and special provisions, and all addenda therefore as prepared by the Engineering Division of the Department of Public Works Department of the City of Cypress and to complete all work within the contract time specified in this PROPOSAL, for the following bid:

BASE BID – Valley View Street (Ball Road to Katella Avenue) and Ball Road (Bloomfield Street to Denni Street) – Grind and Overlay

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
1.	1	LS	Mobilization (Section 9-3.4) sixty five thousand dollars and zero cents (Not to exceed 5% of total bid amount excepting Item 1) PER LS	$ 65,000.00	$ 65,000.00
2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) Thirty five thousand dollars and zero cents PER LS	$ 35,000.00	$ 35,000.00
3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) ELEVEN THOUSAND DOLLARS & NO CENTS PER LS	$ 11,000.00	$ 11,000.00
4.	14	EA	Changeable Message Signs (Section 7-10) TWO THOUSAND DOLLARS AND NO CENTS PER EA	$ 2,000.00	$ 28,000.00

5.	663,117	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Week Day, Regular Work Hours ZERO DOLLARS AND THIRTY ONE CENTS PER SF	$ 0.31	$ 205,566.27
6.	15,400	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Week Day, Night Work ONE DOLLAR AND FORTY CENTS PER TON	$ 1.40	$ 21,560.00
7.	8,173	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Week Day, Regular Work Hours ONE HUNDRED FORTY NINE DOLLARS AND NO CENTS PER TON	$ 149.00	$ 1,217,777.00
8.	190	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Week Day, Night Work TWO HUNDRED SEVENTY FIVE DOLLARS AND NO CENTS PER TON	$ 275.00	$ 52,250.00
9.	409	TON	AC Leveling Course (Section 302) ONE HUNDRED TWENTY DOLLARS AND NO CENTS PER TON	$ 120.00	$ 49,080.00
10.	409	TON	Remove and Replace 4" AC (Section 302) TWO HUNDRED SEVENTY DOLLARS AND NO CENTS PER TON	$ 270.00	$ 110,430.00
11.	22	EA	Double Adjust Manhole to Grade (Cypress Brown Book Section 302-5.8) ONE THOUSAND ONE HUNDRED TWENTY FIVE DOLLARS & NO CENTS PER EA	$ 1,125.00	$ 24,750.00
12.	2	EA	Double Adjust OCSD Manhole to Grade (Cypress Brown Book Section 302-5.8) THREE THOUSAND THREE HUNDRED FIFTY DOLLARS & NO CENTS PER EA	$ 3,350.00	$ 6,700.00
13.	3	EA	Double Adjust MWD Manhole to Grade (Cypress Brown Book Section 302-5.8) ONE THOUSAND ONE HUNDRED TWENTY FIVE DOLLARS & NO CENTS PER EA	$ 1,125.00	$ 3,375.00
14.	13	EA	Coordinate Double Adjustment of Manholes Owned by Others to Grade (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
15.	2	EA	Protect-in-Place Existing SCE Vault (Cypress Brown Book Section 7-9) PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	

16.	106	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) FOUR HUNDRED EIGHTY FIVE DOLLARS AND NO CENTS PER EA	$ 485.00	$ 51,410.00
17.	43	EA	Traffic Loops (Type E MOD) (2022 Caltrans Standard Specifications Section 87-1.03V) – Bicycle FOUR HUNDRED SIXTY DOLLARS AND NO CENTS PER EA	$ 460.00	$ 19,780.00
18.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) sixty two thousand dollars and zero cents PER LS	$62,000.00	$ 62,000.00

TOTAL AMOUNT OF BASE BID: $ 1,963,678.27

TOTAL AMOUNT OF BID IN WORDS: one million nine hundred sixty three thousand six hundred seventy eight dollars and twenty seven cents Dollars

(Please Print Total Amount of Bid in WORDS)

ADDITIVE - ALTERNATE A – ORANGE AVENUE (BLOOMFIELD ST TO DENNI ST):

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
A2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) Thirty five thousand dollars and zero cents PER LS	$35,000.00	$ 35,000.00
A3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) FOUR THOUSAND DOLLARS AND NO CENTS PER LS	$ 4,000.00	$ 4,000.00
A4.	2	EA	Changeable Message Signs (Cypress Brown Section 7-10) ONE THOUSAND DOLLARS & NO CENTS PER EA	$ 1,000.00	$ 2,000.00
A5.	157,553	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Weekend, Daytime Work Hours ZERO DOLLARS AND SIXTY CENTS PER SF	$ 0.60	$ 94,531.80
A6.	1,942	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Weekend, Daytime Work Hours	$ 200.00	$ 388,400.00

			TWO HUNDRED DOLLARS AND NO CENTS PER TON		
A7.	97	TON	AC Leveling Course (Cypress Brown Book Section Section 302) THREE HUNDRED SIXTY FIVE DOLLARS AND NO CENTS PER TON	$ 365.00	$ 35,405.00
A8.	97	TON	Remove and Replace 4" AC (Cypress Brown Book Section 302) FOUR HUNDRED DOLLARS AND NO CENTS PER TON	$ 400.00	$ 38,800.00
A9.	7	EA	Double Adjust Manhole to Grade (Cypress Brown Book Section 302-5.8) ONE THOUSAND ONE HUNDRED TWENTY FIVE DOLLARS AND NO CENTS PER EA	$ 1,125.00	$ 7,875.00
A10.	6	EA	Double Adjust OCSD Manhole to Grade (Cypress Brown Book Section 302-5.8) THREE THOUSAND THREE HUNDRED FIFTY DOLLARS & NO CENTS PER EA	$ 3,350.00	$ 20,100.00
A11.	13	EA	Coordinate Double Adjustment of Manholes Owned by Others (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
A12.	9	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) FOUR HUNDRED EIGHTY FIVE DOLLARS AND NO CENTS PER EA	$ 485.00	$ 4,365.00
A13.	4	EA	Traffic Loops (Type E MOD) (2022 Caltrans Standard Specifications Section 87-1.03V) – Bicycle FOUR HUNDRED SIXTY DOLLARS AND NO CENTS PER EA	$ 460.00	$ 1,840.00
A14.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) Thirty thousand dollars and zero cents PER LS	$ 30,000.00	$ 30,000.00

TOTAL AMOUNT OF ADDITIVE – ALTERNATE A: $ 662,316.80

TOTAL AMOUNT OF ADDITIVE – ALTERNATE A IN WORDS: six hundred sixty two thousand three hundred sixteen dollars and eighty cents. Dollars

(Please Print Total Amount of Bid in WORDS)

ADDITIVE - ALTERNATE B – VALLEY VIEW ST NORTHBOUND AND SOUTHBOUND #3 LANE (ORANGEWOOD AVE TO SOUTH CITY LIMIT):

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
B2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) twenty thousand dollars and zero cents PER LS	$20,000.00	$ 20,000.00
B3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) FIVE THOUSAND DOLLARS AND NO CENTS PER LS	$ 5,000.00	$ 5,000.00
B4.	2	EA	Changeable Message Signs (Cypress Brown Section 7-10) ONE THOUSAND DOLLARS AND NO CENTS PER EA	$ 1,000.00	$ 2,000.00
B5.	40,300	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Weekend, Daytime Work Hours ZERO DOLLARS AND NINETY SEVEN CENTS PER SF	$ 0.97	$ 39,091.00
B6.	497	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Weekend, Daytime Work Hours TWO HUNDRED FIFTY DOLLARS AND NO CENTS PER TON	$ 250.00	$ 124,250.00
B7.	25	TON	AC Leveling Course (Cypress Brown Book Section Section 302) SEVEN HUNDRED DOLLARS AND NO CENTS PER TON	$ 700.00	$ 17,500.00
B8.	25	TON	Remove and Replace 4" AC (Cypress Brown Book Section 302) NINE HUNDRED DOLLARS AND NO CENTS PER TON	$ 900.00	$ 22,500.00
B9.	1	EA	Coordinate Double Adjustment of Manholes Owned by Others (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
B10.	3	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) ONE THOUSAND ONE HUNDRED DOLLARS AND NO CENTS PER EA	$ 1,100.00	$ 3,300.00
B11.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) five thousand dollars and zero cents PER LS	$5,000.00	$5,000.00

TOTAL AMOUNT OF ADDITIVE – ALTERNATE B: $ 238,641.00

TOTAL AMOUNT OF ADDITIVE – ALTERNATE B IN WORDS: two hundred thirty eight thousand six hundred forty one and zero cents Dollars

(Please Print Total Amount of Bid in WORDS)

Total BASE BID PRICE:	**$** 1,963,678.27

Total BASE BID PRICE:	$ 1,963,678.27
Total ADDITIVE – ALTERNATE A PRICE:	$ 662,316.80
Total BASE BID PRICE plus Total ADDITIVE – ALTERNATE A PRICE:	$ 2,625,995.07

Total BASE BID PRICE:	$ 1,963,678.27
Total ADDITIVE – ALTERNATE B PRICE:	$ 238,641.00
Total BASE BID PRICE plus Total ADDITIVE – ALTERNATE B PRICE:	$ 2,202,319.27

NOTE: Per Public Contracts Code Section 20103.8(a), the determination of the lowest bidder shall be based on the lowest bid price on the base bid **ONLY** without consideration of the optional additive and/or deductive bid item(s).

The contract shall be awarded to the lowest responsible bidder based on the base bid, and at the City's discretion, the addition, deletion, or modification of any alternate or combination of **alternatives.**

The Total Amount of Base Bid and Additive Bids shall include all work and cost for work as specified on the project plans and delineated in the project specifications and all other incidental and appurtenant work that is necessary to complete the specific items of work including Bidder's overhead and mark-up, purchase of materials, taxes, transportation, permit fees, and all other costs made necessary by the Contract Documents to provide the City of Cypress with a complete operational facility meeting the approval of the City of Cypress and other agencies having jurisdiction over the project.

No bidder may withdraw his bid for a period of ninety (90) calendar days after the opening of bids.

DAY WORK: Any day work specified for this project shall be performed during the hours 8:30 a.m. to 4:00 p.m., Monday through Friday.

NIGHT WORK: Any night work specified for this project shall be performed during the hours of 8:00 PM to 5:00 AM.

WEEKEND WORK: Any weekend work specified for this project shall be performed during the hours of 8:30 a.m. to 4:00 p.m., Saturday and Sunday and in coordination with the Project Manager. Cold Milling of existing paving shall be re-paved within 32 hours.

PROPOSAL BID SHEET
PROJECT 377
ARTERIAL STREET REHABILITATION

Date: Friday, August 9, 2024, at 11:00 A.M.

Company Name: Hardy & Harper, Inc.

Address: 32 Rancho Circle, Lake Forest, CA 92630

Telephone: 714-444-1851

Email: mchurnock@hardyandharper.com

Contractor's License No. and Class: 215952 A, C-8 & C12

Contractor's DIR Public Works Registration No: 1000000076

Honorable Councilmembers:

The undersigned principal, after having carefully examined the plans, Specifications and General Provisions for the City of Cypress Project 377, hereby proposes and agrees to furnish all labor, materials, equipment, plant, transportation, services, sales taxes and other costs necessary to complete the entire project in strict conformity with the specifications, general and special provisions, and all addenda therefore as prepared by the Engineering Division of the Department of Public Works Department of the City of Cypress and to complete all work within the contract time specified in this PROPOSAL, for the following bid:

BASE BID – Valley View Street (Ball Road to Katella Avenue) and Ball Road (Bloomfield Street to Denni Street) – Grind and Overlay

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
1.	1	LS	Mobilization (Section 9-3.4) Twenty Six Thousand Two Hundred Fifty Dollars (Not to exceed 5% of total bid amount excepting Item 1) PER LS	$26,250	$ 26,250
2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) One Hundred Forty Six Thousand Seven Hundred Ninety Dollars PER LS	$146,790	$ 146,790
3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) Eleven Thousand Twenty Five Dollars PER LS	$11,025	$ 11,025
4.	14	EA	Changeable Message Signs (Section 7-10) One Thousand Two Hundred Sixty Dollars PER EA	$1,260	$ 17,640

5.	663,117	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Week Day, Regular Work Hours Thirty Eight cents PER SF	$ .38	$ 251,984.46
6.	15,400	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Week Day, Night Work one Dollars and Forty seven cents PER TON	$ 1.47	$ 22,638
7.	8,173	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Week Day, Regular Work Hours one Hundred thirty Four Dollars PER TON	$ 134	$ 1,095,182
8.	190	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Week Day, Night Work Two Hundred Eighty Eight Dollars PER TON	$ 288	$ 54,720
9.	409	TON	AC Leveling Course (Section 302) Three Hundred Eleven Dollars PER TON	$ 311	$ 127,199
10.	409	TON	Remove and Replace 4" AC (Section 302) Three Hundred Forty Four Dollars PER TON	$ 344	$ 140,696
11.	22	EA	Double Adjust Manhole to Grade (Cypress Brown Book Section 302-5.8) one Thousand Two Hundred Sixty Dollars PER EA	$ 1,260	$ 27,720
12.	2	EA	Double Adjust OCSD Manhole to Grade (Cypress Brown Book Section 302-5.8) Three Thousand three Hundred Sixty Dollars PER EA	$ 3,360	$ 6,720
13.	3	EA	Double Adjust MWD Manhole to Grade (Cypress Brown Book Section 302-5.8) Three Thousand Three Hundred Sixty Dollars PER EA	$ 3,360	$ 10,080
14.	13	EA	Coordinate Double Adjustment of Manholes Owned by Others to Grade (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
15.	2	EA	Protect-in-Place Existing SCE Vault (Cypress Brown Book Section 7-9) PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	

16.	106	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) Four Hundred seventy Dollars PER EA	$ 470	$ 49,820
17.	43	EA	Traffic Loops (Type E MOD) (2022 Caltrans Standard Specifications Section 87-1.03V) – Bicycle Four Hundred Forty Five Dollars PER EA	$ 445	$ 19,135
18.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) Sixty Thousand One Hundred Dollars PER LS	$ 60,100	$ 60,100

TOTAL AMOUNT OF BASE BID: $ 2,067,699.46

TOTAL AMOUNT OF BID IN WORDS: Two million sixty seven Thousand six Hundred Ninety Nine Dollars and forty six cents Dollars

(Please Print Total Amount of Bid in WORDS)

ADDITIVE - ALTERNATE A – ORANGE AVENUE (BLOOMFIELD ST TO DENNI ST):

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
A2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) Seven Thousand Four Hundred Forty Two Dollars and Twenty Eight PER LS	$ 7,442.28	$ 7,442.28
A3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) Two Thousand Three Hundred Sixty Dollars PER LS	$ 2,360	$ 2,360
A4.	2	EA	Changeable Message Signs (Cypress Brown Section 7-10) One Thousand Two Hundred Sixty Dollars PER EA	$ 1,260	$ 2,520
A5.	157,553	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Weekend, Daytime Work Hours Forty Two cents PER SF	$ .42	$ 66,172.26
A6.	1,942	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Weekend, Daytime Work Hours One Hundred Forty four Dollars	$ 144	$ 279,648

			PER TON		
A7.	97	TON	AC Leveling Course (Cypress Brown Book Section Section 302) Three Hundred Eleven Dollars PER TON	$ 311	$ 30,167
A8.	97	TON	Remove and Replace 4" AC (Cypress Brown Book Section 302) Three Hundred Forty Four Dollars PER TON	$ 344	$ 33,368
A9.	7	EA	Double Adjust Manhole to Grade (Cypress Brown Book Section 302-5.8) One Thousand two Hundred sixty Dollars PER EA	$ 1,260	$ 8,820
A10.	6	EA	Double Adjust OCSD Manhole to Grade (Cypress Brown Book Section 302-5.8) Three Thousand three Hundred sixty dollars PER EA	$ 3,360	$ 20,160
A11.	13	EA	Coordinate Double Adjustment of Manholes Owned by Others (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
A12.	9	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) Four Hundred seventy Dollars PER EA	$ 470	$ 4,230
A13.	4	EA	Traffic Loops (Type E MOD) (2022 Caltrans Standard Specifications Section 87-1.03V) – Bicycle four Hundred Forty Five Dollars PER EA	$ 445	$ 1,780
A14.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) Twenty Eight Thousand Dollars PER LS	$ 28,000	$ 28,000

TOTAL AMOUNT OF ADDITIVE – ALTERNATE A: $ 484,667.54

TOTAL AMOUNT OF ADDITIVE – ALTERNATE A IN WORDS: Four Hundred Eighty Four Thousand six Hundred sixty seven Dollars and Fifty Four cents Dollars

(Please Print Total Amount of Bid in WORDS)

ADDITIVE - ALTERNATE B – VALLEY VIEW ST NORTHBOUND AND SOUTHBOUND #3 LANE (ORANGEWOOD AVE TO SOUTH CITY LIMIT):

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
B2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) four Thousand two Hundred Dollars PER LS	$ 4,200 (MA)	$ 4,200 (MA)
B3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) Three Thousand, nine Hundred forty Dollars PER LS	$ 3,940 (MA)	$ 3,940
B4.	2	EA	Changeable Message Signs (Cypress Brown Section 7-10) one Thousand two Hundred sixty Dollars PER EA	$ 1,260	$ 2,520
B5.	40,300	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Weekend, Daytime Work Hours sixty eight cents PER SF	$ .68	$ 27,404
B6.	497	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Weekend, Daytime Work Hours One Hundred seventy seven Dollars PER TON	$ 177	$ 87,969
B7.	25	TON	AC Leveling Course (Cypress Brown Book Section Section 302) six Hundred thirty Dollars PER TON	$ 630	$ 15,750
B8.	25	TON	Remove and Replace 4" AC (Cypress Brown Book Section 302) three Hundred Fifty four Dollars PER TON	$ 344	$ 8,600
B9.	1	EA	Coordinate Double Adjustment of Manholes Owned by Others (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
B10.	3	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) one Thousand Fifty Dollars PER EA	$ 1,050	$ 3,150
B11.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) Four Thousand one Hundred Dollars PER LS	$ 4,100	$ 4,100

TOTAL AMOUNT OF ADDITIVE – ALTERNATE B: $ 157,633.00

TOTAL AMOUNT OF ADDITIVE – ALTERNATE B IN WORDS: One Hundred Fifty seven Thousand six Hundred Thirty Three Dollars Even Dollars

(Please Print Total Amount of Bid in WORDS)

Total BASE BID PRICE:	**$** 2,067,699.46

Total BASE BID PRICE:	$ 2,067,699.46
Total ADDITIVE – ALTERNATE A PRICE:	$ 484,667.54
Total BASE BID PRICE plus Total ADDITIVE – ALTERNATE A PRICE:	$ 2,552,367.00

Total BASE BID PRICE:	$ 2,067,699.46
Total ADDITIVE – ALTERNATE B PRICE:	$ 157,633.00
Total BASE BID PRICE plus Total ADDITIVE – ALTERNATE B PRICE:	$ 2,225,332.46

NOTE: Per Public Contracts Code Section 20103.8(a), the determination of the lowest bidder shall be based on the lowest bid price on the base bid **ONLY** without consideration of the optional additive and/or deductive bid item(s).

The contract shall be awarded to the lowest responsible bidder based on the base bid, and at the City's discretion, the addition, deletion, or modification of any alternate or combination of **alternatives.**

The Total Amount of Base Bid and Additive Bids shall include all work and cost for work as specified on the project plans and delineated in the project specifications and all other incidental and appurtenant work that is necessary to complete the specific items of work including Bidder's overhead and mark-up, purchase of materials, taxes, transportation, permit fees, and all other costs made necessary by the Contract Documents to provide the City of Cypress with a complete operational facility meeting the approval of the City of Cypress and other agencies having jurisdiction over the project.

No bidder may withdraw his bid for a period of ninety (90) calendar days after the opening of bids.

DAY WORK: Any day work specified for this project shall be performed during the hours 8:30 a.m. to 4:00 p.m., Monday through Friday.

NIGHT WORK: Any night work specified for this project shall be performed during the hours of 8:00 PM to 5:00 AM.

WEEKEND WORK: Any weekend work specified for this project shall be performed during the hours of 8:30 a.m. to 4:00 p.m., Saturday and Sunday and in coordination with the Project Manager. Cold Milling of existing paving shall be re-paved within 32 hours.

PROPOSAL BID SHEET
PROJECT 377
ARTERIAL STREET REHABILITATION

Date: Friday, August 9, 2024, at 11:00 A.M.

Company Name: PALP, INC DBA EXCEL PAVING
Address: 2230 LEMON AVE LONG BEACH, CA 90806
Telephone: 562) 599-5841
Email: estimating@excelpaving.net
Contractor's License No. and Class: STATE LIC# 688659 A, C12, C31
Contractor's DIR Public Works Registration No: DIR# 1000003331

Honorable Councilmembers:

The undersigned principal, after having carefully examined the plans, Specifications and General Provisions for the City of Cypress Project 377, hereby proposes and agrees to furnish all labor, materials, equipment, plant, transportation, services, sales taxes and other costs necessary to complete the entire project in strict conformity with the specifications, general and special provisions, and all addenda therefore as prepared by the Engineering Division of the Department of Public Works Department of the City of Cypress and to complete all work within the contract time specified in this PROPOSAL, for the following bid:

BASE BID – Valley View Street (Ball Road to Katella Avenue) and Ball Road (Bloomfield Street to Denni Street) – Grind and Overlay

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
1.	1	LS	Mobilization (Section 9-3.4) Eighty Four Thousand dollars 00/100 (Not to exceed 5% of total bid amount excepting Item 1) PER LS	$ 84000.-	$ 84000.-
2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) One Hundred Ninety Four Thousand dollars 00/100 PER LS	$ 194000.-	$ 194000.-
3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) Eleven Thousand Dollars 00/100 PER LS	$ 11000.-	$ 11000.-
4.	14	EA	Changeable Message Signs (Section 7-10) Two Thousand Seven Hundred dollars 00/100 PER EA	$ 2700.-	$ 37800.-

5.	663,117	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Week Day, Regular Work Hours Thirty Three Cents PER SF	$ 0.33	$ 218828.61
6.	15,400	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Week Day, Night Work One Dollar Twelve Cents PER TON	$ 1.12	$ 17248
7.	8,173	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Week Day, Regular Work Hours One Hundred Thirty Six Dollars 00/100 PER TON	$ 136	$1 111 528
8.	190	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Week Day, Night Work Two Hundred Thirty Dollars 00/100 PER TON	$ 230	$ 43700
9.	409	TON	AC Leveling Course (Section 302) ONE HUNDRED Sixty TWO Dollars 00/100 PER TON	$ 162	$66258
10.	409	TON	Remove and Replace 4" AC (Section 302) Two Hundred Fifty Dollars 00/100 PER TON	$ 250	$102250
11.	22	EA	Double Adjust Manhole to Grade (Cypress Brown Book Section 302-5.8) CPBIII ~~Two~~ Thousand ~~Two~~ Nine Hundred Dollars One CPBIII 00/100 PER EA	$ ~~2200~~ 1900 CPBIII	$ ~~48400~~ 41800 CPBIII
12.	2	EA	Double Adjust OCSD Manhole to Grade (Cypress Brown Book Section 302-5.8) ~~Four~~ CPBIII Thousand ~~Three~~ CPBIII Hundred Dollars Two Six 00/100 PER EA	$ ~~4300~~ 2600 CPBIII	$ ~~8600~~ 5200 CPBIII
13.	3	EA	Double Adjust MWD Manhole to Grade (Cypress Brown Book Section 302-5.8) ~~Three~~ CPBIII Thousand ~~Eight~~ CPBIII ~~Hundred~~ CPBIII Dollars Two 00/100 PER EA	$ ~~3800~~ CPBIII 2000	$ ~~11400~~ 6000 CPBIII
14.	13	EA	Coordinate Double Adjustment of Manholes Owned by Others to Grade (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
15.	2	EA	Protect-in-Place Existing SCE Vault (Cypress Brown Book Section 7-9) PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	

16.	106	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) FOUR HUNDRED SEVENTY Dollars 00/100 PER EA	$ 470.-	$ 49820.-
17.	43	EA	Traffic Loops (Type E MOD) (2022 Caltrans Standard Specifications Section 87-1.03V) – Bicycle FIVE HUNDRED Dollars 00/100 PER EA	$ 500.-	$ 21500.-
18.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) FIFTY EIGHT THOUSAND dollars 00/100 PER LS	$ 58000.-	$ 58000.-

TOTAL AMOUNT OF BASE BID: $ 2 068 932.61

TOTAL AMOUNT OF BID IN WORDS: TWO MILLION SIXTY EIGHT THOUSAND NINE HUNDRED THIRTY TWO Dollars 61/100

Dollars

(Please Print Total Amount of Bid in WORDS)

ADDITIVE - ALTERNATE A – ORANGE AVENUE (BLOOMFIELD ST TO DENNI ST):

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
A2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) FOURTY NINE THOUSAND DOLLARS 00/100 PER LS	$ 49000.	$ 49000.-
A3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) THREE THOUSAND dollars 00/100 PER LS	$ 3000.-	$ 3000.-
A4.	2	EA	Changeable Message Signs (Cypress Brown Section 7-10) TWO THOUSAND SEVEN HUNDRED Dollars 00/00 PER EA	$ 2700.-	$ 5400.-
A5.	157,553	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Weekend, Daytime Work Hours ~~ONE FOURTY~~ NINE CENTS FOURTY PER SF	$ 0.49	$ 77200.97
A6.	1,942	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Weekend, Daytime Work Hours ONE HUNDRED SIXTY TWO Dollars 00/00	$ 162.-	$ 314604.-

			PER TON		
A7.	97	TON	AC Leveling Course (Cypress Brown Book Section Section 302) Two Hundred Fourteen Dollars 00/100 PER TON	$ 214.-	$ 20758.-
A8.	97	TON	Remove and Replace 4" AC (Cypress Brown Book Section 302) Four Hundred Eighty Dollars 00/100 PER TON	$ 480.-	$ 46560.-
A9.	7	EA	Double Adjust Manhole to Grade (Cypress Brown Book Section 302-5.8) Two Thousand Two Hundred Dollars 00/100 PER EA	$ 2200.-	$ 15400.-
A10.	6	EA	Double Adjust OCSD Manhole to Grade (Cypress Brown Book Section 302-5.8) Four Thousand Three Hundred Dollars 00/100 PER EA	$ 4300.-	$ 25800.-
A11.	13	EA	Coordinate Double Adjustment of Manholes Owned by Others (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
A12.	9	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) Four Hundred Seventy Dollars 00/100 PER EA	$ 470.-	$ 4230.-
A13.	4	EA	Traffic Loops (Type E MOD) (2022 Caltrans Standard Specifications Section 87-1.03V) – Bicycle Five Hundred Dollars 00/100 PER EA	$ 500.-	$ 2000.-
A14.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) Thirty Five Thousand Dollars PER LS	$ 35000	$ 35000.-

TOTAL AMOUNT OF ADDITIVE – ALTERNATE A: $ 598952.97

TOTAL AMOUNT OF ADDITIVE – ALTERNATE A IN WORDS: Five Hundred Ninety Eight Thousand Nine Hundred Fifty Two Dollars 97/100 Dollars

(Please Print Total Amount of Bid in WORDS)

ADDITIVE - ALTERNATE B – VALLEY VIEW ST NORTHBOUND AND SOUTHBOUND #3 LANE (ORANGEWOOD AVE TO SOUTH CITY LIMIT):

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
B2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) Twenty nine Thousand dollars 00/100 PER LS	$ 29000 -	$ 29000 -
B3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) Five Thousand dollars 00/100 PER LS	$ 5000 -	$ 5000 -
B4.	2	EA	Changeable Message Signs (Cypress Brown Section 7-10) Two Thousand Seven Hundred Dollars 00/100 PER EA	$ 2700 -	$ 5400 -
B5.	40,300	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Weekend, Daytime Work Hours Sixty Three Cents PER SF	$ 0.63	$ 25389. -
B6.	497	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Weekend, Daytime Work Hours One Hundred Ninety Four Dollars 00/100 PER TON	$ 194. -	$ 96418. -
B7.	25	TON	AC Leveling Course (Cypress Brown Book Section Section 302) Two Hundred Dollars 00/100 PER TON	$ 200 -	$ 5000 -
B8.	25	TON	Remove and Replace 4" AC (Cypress Brown Book Section 302) Nine Hundred Dollars 00/100 PER TON	$ 900 -	$ 22500 -
B9.	1	EA	Coordinate Double Adjustment of Manholes Owned by Others (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
B10.	3	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) Nine Hundred Sixty Dollars 00/100 PER EA	$ 960 -	$ 2880 -
B11.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) Eight Thousand dollars PER LS	$ 8000 -	$ 8000 -

TOTAL AMOUNT OF ADDITIVE – ALTERNATE B: $ 199 587.—

TOTAL AMOUNT OF ADDITIVE – ALTERNATE B IN WORDS: ONE HUNDRED NINETY NINE THOUSAND FIVE HUNDRED EIGHTY SEVEN Dollars 00/100

(Please Print Total Amount of Bid in WORDS)

Total BASE BID PRICE:	**$** 2 068 932.61

Total BASE BID PRICE:	$ 2 068 932.61
Total ADDITIVE – ALTERNATE A PRICE:	$ 598 952.97
Total BASE BID PRICE plus Total ADDITIVE – ALTERNATE A PRICE:	**$** 2667 885.58

Total BASE BID PRICE:	$ 2 068 932.61
Total ADDITIVE – ALTERNATE B PRICE:	$ 199 587.—
Total BASE BID PRICE plus Total ADDITIVE – ALTERNATE B PRICE:	**$** 2 268 519.61

NOTE: Per Public Contracts Code Section 20103.8(a), the determination of the lowest bidder shall be based on the lowest bid price on the base bid **ONLY** without consideration of the optional additive and/or deductive bid item(s).

The contract shall be awarded to the lowest responsible bidder based on the base bid, and at the City's discretion, the addition, deletion, or modification of any alternate or combination of **alternatives**.

The Total Amount of Base Bid and Additive Bids shall include all work and cost for work as specified on the project plans and delineated in the project specifications and all other incidental and appurtenant work that is necessary to complete the specific items of work including Bidder's overhead and mark-up, purchase of materials, taxes, transportation, permit fees, and all other costs made necessary by the Contract Documents to provide the City of Cypress with a complete operational facility meeting the approval of the City of Cypress and other agencies having jurisdiction over the project.

No bidder may withdraw his bid for a period of ninety (90) calendar days after the opening of bids.

DAY WORK: Any day work specified for this project shall be performed during the hours 8:30 a.m. to 4:00 p.m., Monday through Friday.

NIGHT WORK: Any night work specified for this project shall be performed during the hours of 8:00 PM to 5:00 AM.

WEEKEND WORK: Any weekend work specified for this project shall be performed during the hours of 8:30 a.m. to 4:00 p.m., Saturday and Sunday and in coordination with the Project Manager. Cold Milling of existing paving shall be re-paved within 32 hours.

PROPOSAL BID SHEET
PROJECT 377
ARTERIAL STREET REHABILITATION

Date: Friday, August 9, 2024, at 11:00 A.M.

Company Name: LCR Earthwork & Engineering, Corp.

Address: 4791 Mt Rainier St Jurupa Valley CA 92509

Telephone: 951-934-3231

Email: LCR@lcrearthworkengineering.com

Contractor's License No. and Class: Class A , C-12 & C-21 1048288

Contractor's DIR Public Works Registration No: 1000063065

Honorable Councilmembers:

The undersigned principal, after having carefully examined the plans, Specifications and General Provisions for the City of Cypress Project 377, hereby proposes and agrees to furnish all labor, materials, equipment, plant, transportation, services, sales taxes and other costs necessary to complete the entire project in strict conformity with the specifications, general and special provisions, and all addenda therefore as prepared by the Engineering Division of the Department of Public Works Department of the City of Cypress and to complete all work within the contract time specified in this PROPOSAL, for the following bid:

BASE BID – Valley View Street (Ball Road to Katella Avenue) and Ball Road (Bloomfield Street to Denni Street) – Grind and Overlay

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
1.	1	LS	Mobilization (Section 9-3.4) Ninety Five Thousand Dollars and Zero Cents (Not to exceed 5% of total bid amount excepting Item 1) PER LS	$95,000.00	$95,000.00
2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) Ninety Five Thousand Dollars and Zero Cents PER LS	$ 95,000.00	$ 95,000.00
3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) Thirty Five Thousand Dollars and Zero Cents PER LS	$ 35,000.00	$ 35,000.00
4.	14	EA	Changeable Message Signs (Section 7-10) Twenty Eight Thousand Dollars and Zero Cents PER EA	$2,000.00	$ 28,000.00

5.	663,117	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Week Day, Regular Work Hours Two Hundred Thirty Two Thousand Ninety Dollars and Ninety five Cents PER SF	$ $.35	$ 232,090.95
6.	15,400	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Week Day, Night Work Nineteen Thousand Two Hundred Fifty Dollars and Zero Cents PER TON	$ 1.25	$ 19,250.00
7.	8,173	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Week Day, Regular Work Hours One Million Three Hundred Seven Thousand Six Hundred Eighty Dollars and Zero Cents PER TON	$ 160.00	$ 1,307,680.00
8.	190	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Week Day, Night Work Thirty Three Thousand Two Hundred Fifty Dollars and Zero Cents PER TON	$ 175.00	$ 33,250.00
9.	409	TON	AC Leveling Course (Section 302) Sixty Three Thousand Three Hundred Ninety Five Dollars and Zero Cents PER TON	$ 155.00	$ 63,395.00
10.	409	TON	Remove and Replace 4" AC (Section 302) Ninety Two Thousand Twenty Five Dollars and Zero Cents PER TON	$ 225.00	$ 92,025.00
11.	22	EA	Double Adjust Manhole to Grade (Cypress Brown Book Section 302-5.8) Thirty Nine Thousand Six Hundred Dollars and Zero Cents PER EA	$ $1,800.00	$ 39,600.00
12.	2	EA	Double Adjust OCSD Manhole to Grade (Cypress Brown Book Section 302-5.8) Five Thousand Dollars and Zero Cents PER EA	$ 2,500.00	$ 5,000.00
13.	3	EA	Double Adjust MWD Manhole to Grade (Cypress Brown Book Section 302-5.8) Seven Thousand Eight Hundred Dollars and Zero Cents PER EA	$ 2,600.00	$ 7,800.00
14.	13	EA	Coordinate Double Adjustment of Manholes Owned by Others to Grade (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
15.	2	EA	Protect-in-Place Existing SCE Vault (Cypress Brown Book Section 7-9) PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	

16. [1]	106	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) Fifty Thousand Three Hundred Fifty Dollars and Zero Cents PER EA	$ 475.00	$ 50,350.00
17. [2]	43	EA	Traffic Loops (Type E MOD) (2022 Caltrans Standard Specifications Section 87-1.03V) – Bicycle Nineteen Thousand Three Hundred Fifty Dollars and Zero Cents PER EA	$ 450.00	$ 19,350.00
18. [3]	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) Sixty Two Thousand Dollars and Zero Cents PER LS	$ 62,000.00	$ 62,000.00

TOTAL AMOUNT OF BASE BID: $ 2,184,790.95

TOTAL AMOUNT OF BID IN WORDS: Two Million One Hundred Eighty Four Thousand Seven Hundred Ninety and Ninety Five Cents Dollars

(Please Print Total Amount of Bid in WORDS)

ADDITIVE - ALTERNATE A – ORANGE AVENUE (BLOOMFIELD ST TO DENNI ST):

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
A2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) Sixty Five Thousand Dollars and Zero Cents PER LS	$ 65,000.00	$ 65,000.00
A3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) Twenty Thousand Dollars and Zero Cents PER LS	$ 20,000.00	$ 20,000.00
A4.	2	EA	Changeable Message Signs (Cypress Brown Section 7-10) Four Thousand Dollars and Zero Cents PER EA	$ 2,000.00	$ $4,000.00
A5.	157,553	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Weekend, Daytime Work Hours Seventy Thousand Eight Hundred Ninety Eight and Eighty Five Cents PER SF	$ .45	$ 70,898.85
A6.	1,942	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Weekend, Daytime Work Hours	$ 165.00	$ 320,430.00

Three Hundred Twenty Thousand Four Hundred Thirty Dollars and Zero Cents

			PER TON		
A7.	97	TON	AC Leveling Course (Cypress Brown Book Section Section 302) Nineteen Thousand Four Hundred Dollars and Zero Cents PER TON	$200.00	$19,400.00
A8.	97	TON	Remove and Replace 4" AC (Cypress Brown Book Section 302) Twenty Four Thousand Two Hundred Fifty Dollars and Zero Cents PER TON	$ 250.00	$24,250.00
A9.	7	EA	Double Adjust Manhole to Grade (Cypress Brown Book Section 302-5.8) Twelve Thousand Six Hundred Dollars and Zero Cents PER EA	$ 1,800.00	$12,600.00
A10.	6	EA	Double Adjust OCSD Manhole to Grade (Cypress Brown Book Section 302-5.8) Fifteen Thousand Dollars and Zero Cents PER EA	$ 2,500.00	$ 15,000.00
A11.	13	EA	Coordinate Double Adjustment of Manholes Owned by Others (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
A12.	9	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) Four Thousand Five Hundred Dollars and Zero Cents PER EA	$ 500.00	$ 4,500.00
A13.	4	EA	Traffic Loops (Type E MOD) (2022 Caltrans Standard Specifications Section 87-1.03V) – Bicycle One Thousand Nine Hundred Dollars and Zero Cents PER EA	$ 475.00	$ 1,900.00
A14.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) Thirty Thousand Dollars and Zero Cents PER LS	$ 30,000.00	$ 30,000.00

TOTAL AMOUNT OF ADDITIVE – ALTERNATE A: $ 587,978.85

TOTAL AMOUNT OF ADDITIVE – ALTERNATE A IN WORDS: Five Hundred Eighty Seven Thousand Nine Hundred Seventy Eight and Eighty Five Cents Dollars

(Please Print Total Amount of Bid in WORDS)

ADDITIVE - ALTERNATE B – VALLEY VIEW ST NORTHBOUND AND SOUTHBOUND #3 LANE (ORANGEWOOD AVE TO SOUTH CITY LIMIT):

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
B2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) Forty Five Thousand Dollars and Zero Cents PER LS	$45,000.00	$45,000.00
B3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) Twenty Thousand Dollars and Zero Cents PER LS	$20,000.00	$20,000.00
B4.	2	EA	Changeable Message Signs (Cypress Brown Section 7-10) Three Thousand Dollars and Zero Cents PER EA	$1,500.00	$3,000.00
B5.	40,300	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Weekend, Daytime Work Hours Twenty Six Thousand One Hundred Ninety Five Dollars and Zero Cents PER SF	$.65	$26,195.00
B6.	497	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Weekend, Daytime Work Hours Eighty Two Thousand Five Dollars and Zero Cents PER TON	$165.00	$82,005.00
B7.	25	TON	AC Leveling Course (Cypress Brown Book Section Section 302) Six Thousand Two Hundred Fifty Dollars and Zero Cents PER TON	$250.00	$6,250.00
B8.	25	TON	Remove and Replace 4" AC (Cypress Brown Book Section 302) Eighteen Thousand Seven Hundred Fifty Dollas and Zero Cents PER TON	$750.00	$18,750.00
B9.	1	EA	Coordinate Double Adjustment of Manholes Owned by Others (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
B10.	3	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) Three Thousand Six Hundred Dollars and Zero Cents PER EA	$1,200.00	$3,600.00
B11.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) Five Thousand Dollars and Zero Cents PER LS	$5,000.00	$5,000.00

TOTAL AMOUNT OF ADDITIVE – ALTERNATE B: $ 209,800

TOTAL AMOUNT OF ADDITIVE – ALTERNATE B IN WORDS: Two Hundred Nine THousand Eight Hundred Dollars and Zero Cents Dollars

(Please Print Total Amount of Bid in WORDS)

Total BASE BID PRICE:	**$** 2,184,790.95

Total BASE BID PRICE:	$ 2,184,790.95
Total ADDITIVE – ALTERNATE A PRICE:	$ 587,978.85
Total BASE BID PRICE plus Total ADDITIVE – ALTERNATE A PRICE:	$2,772,769.80

Total BASE BID PRICE:	$ 2,184,790.95
Total ADDITIVE – ALTERNATE B PRICE:	$ 209,800.00
Total BASE BID PRICE plus Total ADDITIVE – ALTERNATE B PRICE:	$ 2,394,590.95

NOTE: Per Public Contracts Code Section 20103.8(a), the determination of the lowest bidder shall be based on the lowest bid price on the base bid **ONLY** without consideration of the optional additive and/or deductive bid item(s).

The contract shall be awarded to the lowest responsible bidder based on the base bid, and at the City's discretion, the addition, deletion, or modification of any alternate or combination of **alternatives**.

The Total Amount of Base Bid and Additive Bids shall include all work and cost for work as specified on the project plans and delineated in the project specifications and all other incidental and appurtenant work that is necessary to complete the specific items of work including Bidder's overhead and mark-up, purchase of materials, taxes, transportation, permit fees, and all other costs made necessary by the Contract Documents to provide the City of Cypress with a complete operational facility meeting the approval of the City of Cypress and other agencies having jurisdiction over the project.

No bidder may withdraw his bid for a period of ninety (90) calendar days after the opening of bids.

DAY WORK: Any day work specified for this project shall be performed during the hours 8:30 a.m. to 4:00 p.m., Monday through Friday.

NIGHT WORK: Any night work specified for this project shall be performed during the hours of 8:00 PM to 5:00 AM.

WEEKEND WORK: Any weekend work specified for this project shall be performed during the hours of 8:30 a.m. to 4:00 p.m., Saturday and Sunday and in coordination with the Project Manager. Cold Milling of existing paving shall be re-paved within 32 hours.

PROPOSAL BID SHEET
PROJECT 377
ARTERIAL STREET REHABILITATION

Date: Friday, August 9, 2024, at 11:00 A.M.

Company Name: ONYX PAVING COMPANY, INC.

Address: 2890 E. LA CRESTA AVE. ANAHEIM, CA 92806

Telephone: 714-632-6699

Email: BIDS@ONYXPAVING.NET

Contractor's License No. and Class: 630360; A, C12

Contractor's DIR Public Works Registration No: 1000004798

Honorable Councilmembers:

The undersigned principal, after having carefully examined the plans, Specifications and General Provisions for the City of Cypress Project 377, hereby proposes and agrees to furnish all labor, materials, equipment, plant, transportation, services, sales taxes and other costs necessary to complete the entire project in strict conformity with the specifications, general and special provisions, and all addenda therefore as prepared by the Engineering Division of the Department of Public Works Department of the City of Cypress and to complete all work within the contract time specified in this PROPOSAL, for the following bid:

BASE BID – Valley View Street (Ball Road to Katella Avenue) and Ball Road (Bloomfield Street to Denni Street) – Grind and Overlay

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
1.	1	LS	Mobilization (Section 9-3.4) Ninety two thousand seven ~~two~~ hundred and three dollars and twenty cents (CK) (Not to exceed 5% of total bid amount excepting Item 1) PER LS	$92,203.20	$92,203.20
2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) Two hundred and twelve thousand dollars PER LS	$212,000	$212,000
3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) Eleven thousand dollars PER LS	$11,000	$11,000
4.	14	EA	Changeable Message Signs (Section 7-10) One thousand dollars PER EA	$1,000	$14,000

5.	663,117	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Week Day, Regular Work Hours Forty cents PER SF	$ 0.40	$265,246.80
6.	15,400	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Week Day, Night Work eighty cents PER TON	$ 0.80	$12,320
7.	8,173	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Week Day, Regular Work Hours One hundred and fifty dollars PER TON	$ 150	$1,225,950
8.	190	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Week Day, Night Work Two hundred and twenty five dollars PER TON	$225	$42,750
9.	409	TON	AC Leveling Course (Section 302) One hundred and fifty dollars PER TON	$ 150	$61,350
10.	409	TON	Remove and Replace 4" AC (Section 302) Two hundred and twenty dollars PER TON	$220	$89,980
11.	22	EA	Double Adjust Manhole to Grade (Cypress Brown Book Section 302-5.8) Two thousand dollars PER EA	$2,000	$44,000
12.	2	EA	Double Adjust OCSD Manhole to Grade (Cypress Brown Book Section 302-5.8) Three thousand dollars PER EA	$3,000	$6,000
13.	3	EA	Double Adjust MWD Manhole to Grade (Cypress Brown Book Section 302-5.8) Two thousand dollars PER EA	$2,000	$6,000
14.	13	EA	Coordinate Double Adjustment of Manholes Owned by Others to Grade (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
15.	2	EA	Protect-in-Place Existing SCE Vault (Cypress Brown Book Section 7-9) PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	

16.	106	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) Four hundred and seventy five dollars PER EA	$475	$50,350
17.	43	EA	Traffic Loops (Type E MOD) (2022 Caltrans Standard Specifications Section 87-1.03V) – Bicycle Four hundred and fifty dollars PER EA	$450	$19,350
18.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) Eighty five thousand dollars PER LS	$85,000	$85,000

TOTAL AMOUNT OF BASE BID: $ 2,242,000

TOTAL AMOUNT OF BID IN WORDS: _____

Two million two hundred and forty two thousand Dollars

(Please Print Total Amount of Bid in WORDS)

ADDITIVE - ALTERNATE A – ORANGE AVENUE (BLOOMFIELD ST TO DENNI ST):

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
A2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) Seventy six thousand two hundred seventy eight dollars and fifty cents PER LS	$76,278.50	$76,278.50
A3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) Two thousand five hundred dollars PER LS	$2,500	$2,500
A4.	2	EA	Changeable Message Signs (Cypress Brown Section 7-10) One thousand dollars PER EA	$1,000	$2,000
A5.	157,553	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Weekend, Daytime Work Hours Fifty cents PER SF	$ 0.50	$78,776.50
A6.	1,942	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Weekend, Daytime Work Hours	$ 160	$310,720

			One hundred and sixty dollars PER TON		
A7.	97	TON	AC Leveling Course (Cypress Brown Book Section Section 302) One hundred and fifty dollars PER TON	$150	$14,550
A8.	97	TON	Remove and Replace 4" AC (Cypress Brown Book Section 302) Three hundred dollars PER TON	$300	$29,100
A9.	7	EA	Double Adjust Manhole to Grade (Cypress Brown Book Section 302-5.8) Two thousand dollars PER EA	$2,000	$14,000
A10.	6	EA	Double Adjust OCSD Manhole to Grade (Cypress Brown Book Section 302-5.8) Three thousand dollars PER EA	$3,000	$18,000
A11.	13	EA	Coordinate Double Adjustment of Manholes Owned by Others (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
A12.	9	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) Four hundred and seventy five dollars PER EA	$475	$4,275
A13.	4	EA	Traffic Loops (Type E MOD) (2022 Caltrans Standard Specifications Section 87-1.03V) – Bicycle Four hundred and fifty dollars PER EA	$450	$1,800
A14.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) Forty eight thousand dollars PER LS	$48,000	$48,000

TOTAL AMOUNT OF ADDITIVE – ALTERNATE A: $ 600,000

TOTAL AMOUNT OF ADDITIVE – ALTERNATE A IN WORDS: _____

Six hundred thousand Dollars

(Please Print Total Amount of Bid in WORDS)

ADDITIVE - ALTERNATE B – VALLEY VIEW ST NORTHBOUND AND SOUTHBOUND #3 LANE (ORANGEWOOD AVE TO SOUTH CITY LIMIT):

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
B2.	1	LS	Traffic Control (Section 7-10) (Includes Traffic Control Plan) Thirty six thousand nine hundred and thirty dollars PER LS	$ 36,930	$ 36,930
B3.	1	LS	Preservation of Survey Monuments and Centerline Ties (Cypress Brown Book Section 2-9.1) Four thousand dollars PER LS	$ 4,000	$ 4,000
B4.	2	EA	Changeable Message Signs (Cypress Brown Section 7-10) One thousand dollars PER EA	$ 1,000	$ 2,000
B5.	40,300	SF	Full-Width Cold Milling (2") (Cypress Brown Section 302-1) – Weekend, Daytime Work Hours Fifty cents PER SF	$ 0.50	$ 20,150
B6.	497	TON	ARHM Overlay (ARHM-GG-C) (2") (Cypress Brown Book Section 203-11 and 302-5) – Weekend, Daytime Work Hours One hundred and sixty dollars PER TON	$ 160	$ 79,520
B7.	25	TON	AC Leveling Course (Cypress Brown Book Section Section 302) One hundred and fifty dollars PER TON	$ 150	$ 3,750
B8.	25	TON	Remove and Replace 4" AC (Cypress Brown Book Section 302) Three hundred dollars PER TON	$ 300	$ 7,500
B9.	1	EA	Coordinate Double Adjustment of Manholes Owned by Others (Cypress Brown Book Section 302-5.8) **Adjustment work to be performed by others** PER EA	(Included in the Prices Paid for Various Contract Bid Items.)	
B10.	3	EA	Traffic Loops (Type E) (2022 Caltrans Standard Specifications Section 87-1.03V) One thousand fifty dollars PER EA	$ 1,050	$ 3,150
B11.	1	LS	Thermoplastic Striping, Markers, and Curb Paint (Cypress Brown Book Section 310) Fourteen Thousand dollars PER LS	$ 14,000	$ 14,000

TOTAL AMOUNT OF ADDITIVE – ALTERNATE B: $ 171,000

TOTAL AMOUNT OF ADDITIVE – ALTERNATE B IN WORDS: _____

One hundred and seventy one thousand Dollars

(Please Print Total Amount of Bid in WORDS)

Total BASE BID PRICE:	**$** 2,242,000

Total BASE BID PRICE:	$ 2,242,000
Total ADDITIVE – ALTERNATE A PRICE:	$ 600,000
Total BASE BID PRICE plus Total ADDITIVE – ALTERNATE A PRICE:	**$** 2,842,000.00

Total BASE BID PRICE:	$ 2,242,000
Total ADDITIVE – ALTERNATE B PRICE:	$ 171,000
Total BASE BID PRICE plus Total ADDITIVE – ALTERNATE B PRICE:	**$** 2413,000.00

NOTE: Per Public Contracts Code Section 20103.8(a), the determination of the lowest bidder shall be based on the lowest bid price on the base bid **ONLY** without consideration of the optional additive and/or deductive bid item(s).

The contract shall be awarded to the lowest responsible bidder based on the base bid, and at the City's discretion, the addition, deletion, or modification of any alternate or combination of **alternatives**.

The Total Amount of Base Bid and Additive Bids shall include all work and cost for work as specified on the project plans and delineated in the project specifications and all other incidental and appurtenant work that is necessary to complete the specific items of work including Bidder's overhead and mark-up, purchase of materials, taxes, transportation, permit fees, and all other costs made necessary by the Contract Documents to provide the City of Cypress with a complete operational facility meeting the approval of the City of Cypress and other agencies having jurisdiction over the project.

No bidder may withdraw his bid for a period of ninety (90) calendar days after the opening of bids.

DAY WORK: Any day work specified for this project shall be performed during the hours 8:30 a.m. to 4:00 p.m., Monday through Friday.

NIGHT WORK: Any night work specified for this project shall be performed during the hours of 8:00 PM to 5:00 AM.

WEEKEND WORK: Any weekend work specified for this project shall be performed during the hours of 8:30 a.m. to 4:00 p.m., Saturday and Sunday and in coordination with the Project Manager. Cold Milling of existing paving shall be re-paved within 32 hours.

August 9, 2024

Daniel Co
Assistant City Engineer
City of Cypress
Public Works Engineering

SUBJECT: PROPOSAL TO PROVIDE CONSTRUCTION INSPECTION SERVICES AND MATERIALS TESTING FOR ARTERIAL STREET REHABILITATION PROJECT 377

Dear Mr. Co,

Inc. is pleased to present our proposal to the City of Cypress to provide professional construction inspection and materials testing services for the Arterial Street Rehabilitation Project 377. All work will be completed pursuant to the City of Cypress On-Call Construction Management and Inspection Services Contract dated July 1, 2024.

We look forward to partnering with the City on this project. If there are any questions regarding this proposal, please contact me at (714) 312-0317 or maha.fakhouri@fcgconsultants.com with any questions you may have.

Sincerely,

Maha Fakhouri
President / CEO

ATTACHMENT "A"
SCOPE OF SERVICES

The scope of services includes part-time inspection services and project controls to assist our inspector in the field.

Below is a list of services included in this proposal:

Construction Management:

- Preconstruction services including pre-job meeting, coordination, and establishing construction processes (RFI, Change Order, Work Schedule, progress pay, maintaining as-builts, etc.)
- Construction progress/coordination including weekly meetings, monitoring schedule, project budget, project RFIs, change orders, progress payments, monitor stormwater BMPs, and special meetings as required.
- Utility coordination, monitoring of construction schedules, shop drawing review, submittal review, public notification, public complaint resolution, traffic coordination, coordination with other City departments, interpretation of PSE, analysis of changed conditions, development of corrective actions, negotiation of change orders, and other related services.
- Provide project inspection, field visits, pre-construction job walks, emergency and night inspections, coordinate testing, and conduct observation to ensure adherence to project plans and specifications and provide QA/QC.
- Document tracking and control including RFIs, submittals, change orders, correspondence, field orders, project schedules, weekly statement of working days, progress payments, meeting agendas & minutes, progress reports, test results, claims, inspection daily logs, time & material reporting, photo records, and project closeout.

Construction Inspection:

- Represent the City's interests with the overall construction inspection of this project.
- Monitor the contractor's compliance with the project contract, specifications, and National Pollutant Discharge Elimination System (NPDES).
- Assist City staff with public relations, including distributing construction notices and responding to inquiries of residents and the general public.
- Attend the preconstruction meeting and subsequent weekly field meetings, as needed.
- Assist the City's construction manager in monitoring and documenting the contractor's adherence to the approved construction schedule.
- Be present on the job site when construction is in progress and when inspection is required. Full-time inspection work is proposed as requested by the City. will not be responsible for observing construction activities that are implemented when its inspector is not scheduled/present on site.
- Provide assistance and direction to technicians performing material tests, as needed.
- Measure and verify the project pay item quantities in place. All pay item quantities must be confirmed with the contractor prior to submission of the invoice for payment.

- Review the contractor's invoices.
- Prepare daily inspection reports (Daily Activity Report, Weekly Statement of Working Days, etc.) as required for this project.
- Review traffic control and coordinate adjustments as needed.
- Identify items requiring corrective action by either the contractor or the City. Monitor and document timely corrective actions implemented by the contractor.
- Develop punch list items and monitor corrections made.

Material Testing:

- Quality assurance/quality control, material and laboratory testing, compaction testing, structural calculations, geotechnical investigations, potholing, exploratory investigations, underground utility research, and other related services.

ATTACHMENT "B"
SCHEDULE OF COMPENSATION

City of Cypress Construction
Inspection for
Arterial Street Rehabilitation Project 377
40 Working-Days Construction Duration

Role / Name	Total Hours	Hourly Rate	Extended Fee
Construction Manager	92	$229.68	$21,130.56
Roadway Inspector	336	$149.29	$50,161.44
Materials Testing			$25,809.00
Total Estimated Fee			**$97,101.00**

Exclusions to Scope and Fee: The following items are specifically excluded:

1. Night-time/weekend inspection and weekday hours in excess of a regular 8-hour shift that would be subject to overtime pay, unless so authorized in writing by the City.
2. Special inspections.

AN AGREEMENT BETWEEN THE CITY OF CYPRESS AND CITY OF BUENA PARK FOR THE ARTERIAL STREET IMPROVEMENTS OF VALLEY VIEW STREET

This Agreement ("AGREEMENT") made and entered into this _____ day of _____ , 202__, by and between the City of CYPRESS, a municipal corporation, hereinafter referred to as "CYPRESS" and City of BUENA PARK, a municipal corporation, hereinafter referred to as "BUENA PARK".

W I T N E S S E T H:

WHEREAS, Valley View Street from Ball Road to Cerritos Avenue ("Valley View Street") is located partially in CYPRESS and partially in BUENA PARK; and

WHEREAS, CYPRESS has proposed the Asphalt Overlay improvement entitled Arterial Street Rehabilitation, Project 377, to Valley View Street, which includes, but is not limited to, mobilization, surveying, traffic control, 2-inch grind and overlay, manhole adjustments, traffic loop reinstallation, replacement of traffic striping, markers, and curb paint, and other incidental items of work ("IMPROVEMENT"); and

WHEREAS, the IMPROVEMENT will extend the service life of Valley View Street and be of benefit to CYPRESS and BUENA PARK; and

WHEREAS, it is in the public interest that the construction of the IMPROVEMENT be accomplished by CYPRESS and BUENA PARK under a collective participation agreement; and

WHEREAS, the purpose of this AGREEMENT is to provide for the allocation of responsibilities for the construction of the IMPROVEMENT described above.

NOW, THEREFORE, in consideration of the premises and agreements herein contained, CYPRESS and BUENA PARK do hereby agree as follows:

I. CYPRESS agrees:

A. To prepare or cause to be prepared, all environmental documents required for the IMPROVEMENT in compliance with the California Environmental Quality Act; plans and specifications for the construction of the IMPROVEMENT; to solicit bids and award a contract as a public works project to the lowest responsible bidder; to administer the contract to complete the IMPROVEMENT, including requiring payment of prevailing wages, all in compliance with State and local law; and to pay such contractor pursuant to the construction contract.

B. To require any and all contractors performing work necessary to complete the IMPROVEMENT ("Work") to indemnify, defend and hold BUENA PARK, its elected officials, officers, agents, and employees free and harmless with respect to any and all claims and liabilities, including stop notices, arising out of performance of the Work.

C. To require any and all contractors performing work necessary to complete the Work to obtain and maintain commercial general and automobile liability and workers

compensation insurance acceptable to BUENA PARK and providing protection to CYPRESS, and to BUENA PARK, its elected officials, officers, agents, and employees as additional insureds.

D. To invoice BUENA PARK for BUENA PARK's share of the construction costs incurred by CYPRESS for the IMPROVEMENT as described herein.

E. To obtain consent from BUENA PARK's City Engineer or Public Works Director in advance of any contractor performing Work within BUENA PARK's right of way that could reasonably create any risk to public safety, restrict BUENA PARK's ability to provide necessary maintenance, or compromise normal drainage or infrastructure operation, with respect to Cerritos Avenue.

II. BUENA PARK agrees:

A. To designate and does hereby so designate CYPRESS as the lead agency for the purpose of accomplishing the construction of the IMPROVEMENT as provided in Section I.

B. To pay CYPRESS its share of the actual construction costs for the work within the boundaries of BUENA PARK based upon unit prices bid and quantities actually used within BUENA PARK. The approximate area of IMPROVEMENT within the boundaries of BUENA PARK is 46,500 square feet and the assumed density of the asphalt rubber hot mix (ARHM) is 145 lbs. per cubic feet. The estimated construction cost of the BUENA PARK portion is $155,000. BUENA PARK shall pay CYPRESS an amount equal to 100% of the cost of the BUENA PARK portion upon acceptance of the work by BUENA PARK.

III. IT IS MUTUALLY AGREED:

A. During construction CYPRESS shall furnish a resident engineer to perform the usual functions of a resident engineer on a public works project. BUENA PARK, as secondary agent, may, but is not obligated to, furnish its own respective resident engineer. Said resident engineers shall cooperate and consult with each other, but directives of CYPRESS's resident engineer shall be final.

B. CYPRESS and BUENA PARK shall cooperate to the fullest extent possible in seeing the IMPROVEMENT to completion.

C. CYPRESS shall provide an itemized invoice for services satisfactorily completed, reflecting all of the costs. Payment of the BUENA PARK portion of the costs shall be due within sixty (60) days of the date of receipt of the invoice, or BUENA PARK's acceptance of the Work, whichever is later. If payment in full is not received within the foregoing period, interest shall accrue at 10% per annum until paid.

D. Party Representative: The persons responsible for administration of this AGREEMENT on behalf of each respective party and to whom notices permitted or required to be provided pursuant to this Agreement, are as follows:

BUENA PARK: Mina Mikhael, Director of Public Works/City Engineer

CYPRESS: Nick Mangkalakiri, City Engineer

E. This AGREEMENT shall be effective upon mutual execution. The term of this AGREEMENT shall continue until the Work is finally accepted by both parties and the time within which any stop notice may be filed has expired, unless sooner terminated by either party hereto by serving on the other party a thirty (30) day written notice of such termination. In the event of termination without cause by BUENA PARK, BUENA PARK shall reimburse CYPRESS for all out of pocket expenses incurred by CYPRESS on behalf of BUENA PARK up to the date of termination, but not to exceed BUENA PARK's portion set forth in Section II.B, above. In the event of termination without cause by CYPRESS prior to completion of the Work, BUENA PARK shall have no further obligation to CYPRESS.

F. Neither CYPRESS nor any elected official, officer or employee thereof shall be responsible for any damage or liability incurred by reason of anything done or omitted to be done by BUENA PARK under or in connection with the Work or any work, authority or jurisdiction delegated to BUENA PARK under this AGREEMENT. Pursuant to Government Code Section 895.4, BUENA PARK shall fully indemnify, defend, and hold CYPRESS harmless from any liability imposed for injury as defined in Section 810.8 occurring by reason of anything done or omitted to be done by BUENA PARK under or in connection with any work, authority or jurisdiction delegated to under this AGREEMENT.

Neither BUENA PARK nor any officer or employee thereof shall be responsible for any damage or liability incurred by reason of anything done or omitted to be done by CYPRESS under or in connection with the Work or any work, authority or jurisdiction delegated to CYPRESS under this AGREEMENT. Pursuant to Government Code Section 895.4, CYPRESS shall fully indemnify, defend, and hold BUENA PARK harmless from any liability imposed for injury as defined in Section 810.8 occurring by reason of anything done or omitted to be done by CYPRESS under or in connection with any work, authority or jurisdiction delegated to CYPRESS under this AGREEMENT.

G. This AGREEMENT represents the entire understanding of the parties hereto as to those matters contained herein, and no prior oral or written understanding shall be of any force or effect with regard to those matters covered by this AGREEMENT. This AGREEMENT may not be modified, altered or amended except in writing signed by both of the parties hereto.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the parties hereto have executed this AGREEMENT by and through their authorized officers on the date set forth below.

CITY OF CYPRESS
A Municipal Corporation

By: _____
Mayor

ATTEST:

_____
City Clerk

CITY OF BUENA PARK
A Municipal Corporation

By: _____
Mayor

ATTEST:

_____
City Clerk

APPROVED AS TO FORM AND CONTENT:

CITY OF CYPRESS

_____
Douglas A. Dancs, P.E.
Director of Public Works
City of CYPRESS

_____
Fred Galante, City Attorney
City of CYPRESS

CITY OF BUENA PARK

_____
Mina Mikhael, P.E.
Director of Public Works/City Engineer
City of BUENA PARK

_____
Christopher G. Cardinale, City Attorney
City of BUENA PARK

CITY OF CYPRESS

CITY COUNCIL REPORT

City Council Regular **8.**

FROM: Douglas Dancs, Director of Public Works

DATE: 08/26/2024

SUBJECT: **Award Contract for Traffic Signal System Software and Components - Phase Two, Project 352**

RECOMMENDATION

Award a contract to SWARCO McCain, Inc. for $939,432.38, for the purchase of Traffic Signal System Software and Components – Phase Two.

DISCUSSION

The FY 2024-25 Capital Improvement Program includes the second phase of a project to replace existing traffic signal system software, equipment, and components citywide. The manufacturer no longer supports the 25-year-old signal controller hardware and software system. Replacing it with a modern system will improve signal operations and increase reliability. It will also provide engineers and technicians with access to new advanced technologies and features.

A total of 61 traffic signals citywide will have equipment and components removed and replaced in two phases. In March 2024, the City Council approved the purchase of replacement materials for the first phase of 29 intersections. Phase Two will consist of the remaining 32 intersections.

Local governments use cooperative government purchasing programs to directly purchase items and receive discounted pricing unavailable to contractors. When contractors purchase amenities, they generally pay retail prices and mark up the cost by 10%-20%. As with the purchases associated with the first phase, the City will utilize the Houston-Galveston Area Council (H-GAC) cooperative agreement to purchase the traffic signal system hardware and software. Municipal Code Section 21A-10(e) allows the use of cooperative purchasing programs as a more efficient and cost-effective method of competitively-bid procurement by receiving volume type pricing.

Due to long lead times in the receipt of the phase one system components, the items purchased as part of phase two are expected to be delivered soon after phase one. As a result, the components for both phases will be installed concurrently. Public Works will solicit

bids for the installation of components for both phases and will bring a recommendation for a contract award to City Council this fall.

BUDGET IMPACT

The cost of the phase two traffic signal system software and components is $939,432.38 and sufficient amounts are budgeted in the Lighting District Fund. Additional amounts are expected to be available in the budget for the installation of the system, which is expected to be awarded later this year.

Public Works estimates direct procurement of the software and controls will save roughly $140,000 when compared to purchasing the items through the contractor awarded the contract for installation. It is also anticipated annual cost savings for on-call traffic signal maintenance will be realized by upgrading and modernizing system components.

LEGAL REVIEW

None required.

APPROVED BY: Peter Grant, City Manager

Attachments

Cost Proposal
HGAC Agreement
HGAC Price List

HGACBuy	CONTRACT PRICING WORKSHEET For Catalog & Price Sheet Type Purchases	Contract No.:	PE-05-21	Date Prepared:	08/08/2024

This Worksheet is prepared by Contractor and given to End User. If a PO is issued, both documents MUST be faxed to H-GAC @ 713-993-4548. Therefore please type or print legibly.

Buying Agency:	City of Cypress California	**Contractor:**	Consolidated Traffic Controls, Inc.
Contact Person:	0	**Prepared By:**	Bobby Hale
Phone:	0	**Phone:**	800-448-8841
Fax:		**Fax:**	800-448-8850
Email:	0	**Email:**	Bobby.Hale@ctc-traffic.com

Catalog / Price Sheet Name:	Traffic Control, Enforcement & Signal Preemption Equipment
General Description of Product:	Traffic Control Equipment

A. Catalog / Price Sheet Items being purchased - Itemize Below - Attach Additional Sheet If Necessary

-

Line Number	Quan	Description	Unit Pr	Total
2030	21	M73101RWA Rack Mount Flex Controller- w/ Wi-Fi Caltrans Cabinets	$ 2,837.00	$ 59,577.00
2032	12	M73101SWA Shelf Mount Flex Controller w/ Wi-Fi- Caltrans	$ 2,731.00	$ 32,772.00
2044	33	S-OMNI OMNI Software	$ 1,250.00	$ 41,250.00
2299	330	LMD222 2 CH. Detector, Rack Mt.w/Deflectometer	$ 143.00	$ 47,190.00
2479	6	M73473 350i Montgomery County ATCC-HV, IA-24CH, FITA-24CH, OA-16CH, SA, NAT Cabinet (Add Contr	$ 19,223.00	$ 115,338.00
2482	15	M78508-SC 353i ATCC-HV Prosper Cabinet IA-24CH,FITA-24CH, OA-16CH, PWDR, (Add Controller) 9 LS 2	$ 19,600.00	$ 294,000.00
2484	12	M91096 P44 Rack ATCC-HV Tyler Cabinet IA-24CH,FITA-24CH, OA-16CH, SA, Gen, (Add Controller)	$ 19,848.00	$ 238,176.00
3416	33	CTCINSTALLINT Intersection Turn on One Man 8 Hours Included (Add Drive Time and Air Hotel and ALL Tra	$ 1,440.00	$ 47,520.00
		Total From Other Sheets, If Any:		
		Subtotal A:		**$ 875,823.00**

B. Unpublished Options, Accessory or Service items - Itemize Below - Attach Additional Sheet If Necessary
(Note: Unpublished Items are any which were not submitted and priced in contractor's bid.)

Quan	Description	Unit Pr	Total
			$ -
			$ -
			$ -
			$ -
	Total From Other Sheets, If Any:		
	Subtotal B:		**$ -**

Check: The total cost of Unpublished Options (Subtotal B) cannot exceed 25% of the total from Section A.	**For this transaction the percentage is:**	0%

C. Other Allowances, Discounts, Trade-Ins, Freight, Make Ready or Miscellaneous Charges

Quan	Description	Unit Pr	Total
33	Support Discount	$ (120.00)	$ (3,960.00)
			$ -
	Subtotal C:		**$ (3,960.00)**

Delivery Date:	**30 to 45 Days ARO**	**D. Total Purchase Price (A+B+C):**	**$ 871,863.00**

TOTAL	**$871,863.00**
7.75% TAX *SUBJECT TO CHANGE	$67,569.38
TOTAL	**$939,432.38**

H-GAC Contract Dated December 2021
(Attached pricing outdated, price increases permitted after 12 months of contract date)

Amendment No. 1 Dated December 2021

Amendment No. 2 Dated April 2023

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GENERAL PROVISIONS

This Agreement is made and entered into, by and between the Houston-Galveston Area Council hereinafter referred to as H-GAC having its principal place of business at 3555 Timmons Lane, Suite 120, Houston, Texas 77027 and Consolidated Traffic Controls, Inc., hereinafter referred to as the Contractor, having its principal place of business at 1016 Enterprise PL, Arlington, TX 76001.

WITNESSETH:

WHEREAS, H-GAC hereby engages the Contractor to perform certain services in accordance with the specifications of the Agreement; and

WHEREAS, the Contractor has agreed to perform such services in accordance with the specifications of the Agreement;

NOW, THEREFORE, H-GAC and the Contractor do hereby agree as follows:

ARTICLE 1: LEGAL AUTHORITY

The Contractor warrants and assures H-GAC that it possesses adequate legal authority to enter into this Agreement. The Contractor's governing body, where applicable, has authorized the signatory official(s) to enter into this Agreement and bind the Contractor to the terms of this Agreement and any subsequent amendments hereto.

ARTICLE 2: APPLICABLE LAWS

The Contractor agrees to conduct all activities under this Agreement in accordance with all federal laws, executive orders, policies, procedures, applicable rules, regulations, directives, standards, ordinances, and laws, in effect or promulgated during the term of this Agreement, including without limitation, workers' compensation laws, minimum and maximum salary and wage statutes and regulations, and licensing laws and regulations. When required, the Contractor shall furnish H-GAC with satisfactory proof of its compliance therewith.

ARTICLE 3: PUBLIC INFORMATION

Except as stated below, all materials submitted to H-GAC, including any attachments, appendices, or other information submitted as a part of a submission or Agreement, are considered public information, and become the property of H-GAC upon submission and may be reprinted, published, or distributed in any manner by H-GAC according to open records laws, requirements of the US Department of Labor and the State of Texas, and H-GAC policies and procedures. In the event the Contractor wishes to claim portions of the response are not subject to the Texas Public Information Act, it shall so; however, the determination of the Texas Attorney General as to whether such information must be disclosed upon a public request shall be binding on the Contractor. H-GAC will request such a determination only if Contractor bears all costs for preparation of the submission. H-GAC is not responsible for the return of creative examples of work submitted. H-GAC will not be held accountable if material from submissions is obtained without the written consent of the contractor by parties other than H-GAC, at any time during the evaluation process.

ARTICLE 4: INDEPENDENT CONTRACTOR

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The execution of this Agreement and the rendering of services prescribed by this Agreement do not change the independent status of H-GAC or the Contractor. No provision of this Agreement or act of H-GAC in performance of the Agreement shall be construed as making the Contractor the agent, servant or employee of H-GAC, the State of Texas or the United States Government. Employees of the Contractor are subject to the exclusive control and supervision of the Contractor. The Contractor is solely responsible for employee related disputes and discrepancies, including employee payrolls and any claims arising therefrom.

ARTICLE 5: ANTI-COMPETITIVE BEHAVIOR

Contractor will not collude, in any manner, or engage in any practice which may restrict or eliminate competition or otherwise restrain trade.

ARTICLE 6: SUSPENSION AND DEBARMENT

Debarment and Suspension (Executive Orders 12549 and 12689) – A contract award (2 CFR 180.220) must not be made to parties listed on the government-wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR Part 1966 Comp. p. 189) and 12689 (3 CFR Part 1989 Comp. p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

Pursuant to the Federal Rule above, Respondent certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation by any federal department or agency or by the State of Texas and at all times during the term of the Contract neither it nor its principals will be debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation by any federal department or agency or by the State of Texas Respondent shall immediately provide the written notice to H-GAC if at any time the Respondent learns that this certification was erroneous when submitted or has become erroneous by reason of changed circumstances. H-GAC may rely upon a certification of the Respondent that the Respondent is not debarred, suspended, ineligible, or voluntarily excluded from the covered contract, unless the H-GAC knows the certification is erroneous.

ARTICLE 7: GOAL FOR CONTRACTING WITH SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, AND LABOR SURPLUS AREA FIRMS (if subcontracts are to be let)

H-GAC's goal is to assure that small and minority businesses, women's business enterprises, and labor surplus area firms are used when possible in providing services under a contract. In accordance with federal procurements requirements of 2 CFR §200.321, if subcontracts are to be let, the prime contractor must take the affirmative steps listed below:

1. Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
2. Assuring that small and minority businesses and women's business enterprises are solicited whenever they are potential sources;
3. Dividing total requirements, when economically feasible, into smaller task or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
4. Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises;
5. Using the services and assistance as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.
6.

Nothing in this provision will be construed to require the utilization of any firm that is either unqualified or unavailable. The Small Business Administration (SBA) is the primary reference and database for information on requirements related to Federal Subcontracting https://www.sba.gov/federal-contracting/contracting-guide/prime-subcontracting

NOTE: The term DBE as used in this solicitation is understood to encompass all programs/business enterprises

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such as: Small Disadvantaged Business (SDB), Historically Underutilized Business (HUB), Minority Owned Business Enterprise (MBE), Women Owned Business Enterprise (WBE) and Disabled Veteran Business Enterprise (DVBE) or other designation as issued by a certifying agency.

Contractor agrees to work with and assist HGACBuy customer in meeting any DBE targets and goals, as may be required by any rules, processes or programs they might have in place. Assistance may include compliance with reporting requirements, provision of documentation, consideration of Certified/Listed subcontractors, provision of documented evidence that an active participatory role for a DBE entity was considered in a procurement transaction, etc.

ARTICLE 8: SCOPE OF SERVICES

The services to be performed by the Contractor are outlined in an Attachment to this Agreement.

ARTICLE 9: PERFORMANCE PERIOD

This Agreement shall be performed during the period which begins May 01 2021 and ends Apr 30 2023. All services under this Agreement must be rendered within this performance period, unless directly specified under a written change or extension provisioned under Article 21, which shall be fully executed by both parties to this Agreement.

ARTICLE 10: PAYMENT OR FUNDING

Payment provisions under this Agreement are outlined in the Special Provisions. H-GAC will not pay for any expenses incurred prior to the execution date of a contract, or any expenses incurred after the termination date of the contract.

ARTICLE 11: PAYMENT FOR WORK

The H-GAC Customer is responsible for making payment to the Contractor upon delivery and acceptance of the goods or completion of the services and submission of the subsequent invoice.

ARTICLE 12: PAYMENT TERMS/PRE-PAYMENT/QUANTITY DISOUNTS

If discounts for accelerated payment, pre-payment, progress payment, or quantity discounts are offered, they must be clearly indicated in the Contractor's submission prior to contract award. The applicability or acceptance of these terms is at the discretion of the Customer.

ARTICLE 13: REPORTING REQUIREMENTS

If the Contractor fails to submit to H-GAC in a timely and satisfactory manner any report required by this Agreement, or otherwise fails to satisfactorily render performances hereunder, H-GAC may terminate this agreement with notice as identified in Article 29 of these General Provisions. H-GAC has final determination of the adequacy of performance and reporting by Contractor. Termination of this agreement for failure to perform may affect Contractor's ability to participate in future opportunities with H-GAC. The Contractor's failure to timely submit any report may also be considered cause for termination of this Agreement. Any additional reporting requirements shall be set forth in the Special Provisions of this Agreement.

ARTICLE 14: INSURANCE

Contractor shall maintain insurance coverage for work performed or services rendered under this Agreement as outlined and defined in the attached Special Provisions.

ARTICLE 15: SUBCONTRACTS AND ASSIGNMENTS

Except as may be set forth in the Special Provisions, the Contractor agrees not to assign, transfer, convey, sublet or otherwise dispose of this Agreement or any right, title, obligation or interest it may have therein to any third party without prior written approval of H-GAC. The Contractor acknowledges that H-GAC is not liable to any subcontractor or assignee of the Contractor. The Contractor shall ensure that the performance rendered under all

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subcontracts shall result in compliance with all the terms and provisions of this Agreement as if the performance rendered was rendered by the Contractor. Contractor shall give all required notices, and comply with all laws and regulations applicable to furnishing and performance of the work. Except where otherwise expressly required by applicable law or regulation, H-GAC shall not be responsible for monitoring Contractor's compliance, or that of Contractor's subcontractors, with any laws or regulations.

ARTICLE 16: AUDIT

Notwithstanding any other audit requirement, H-GAC reserves the right to conduct or cause to be conducted an independent audit of any transaction under this Agreement, such audit may be performed by the H-GAC local government audit staff, a certified public accountant firm, or other auditors designated by H-GAC and will be conducted in accordance with applicable professional standards and practices. The Contractor understands and agrees that the Contractor shall be liable to the H-GAC for any findings that result in monetary obligations to H-GAC.

ARTICLE 17: TAX EXEMPT STATUS

H-GAC and Customer members are either units of government or qualified non-profit agencies, and are generally exempt from Federal and State sales, excise or use taxes. Respondent must not include taxes in its Response. It is the responsibility of Contractor to determine the applicability of any taxes to an order and act accordingly. Exemption certificates will be provided upon request.

ARTICLE 18: EXAMINATION OF RECORDS

The Contractor shall maintain during the course of the work complete and accurate records of all of the Contractor's costs and documentation of items which are chargeable to H-GAC under this Agreement. H-GAC, through its staff or designated public accounting firm, the State of Texas, and United States Government, shall have the right at any reasonable time to inspect, copy and audit those records on or off the premises by authorized representatives of its own or any public accounting firm selected by H-GAC. The right of access to records is not limited to the required retention period, but shall last as long as the records are retained. Failure to provide access to records may be cause for termination of the Agreement. The records to be thus maintained and retained by the Contractor shall include (without limitation): (1) personnel and payroll records, including social security numbers and labor classifications, accounting for total time distribution of the Contractor's employees working full or part time on the work, as well as cancelled payroll checks, signed receipts for payroll payments in cash, or other evidence of disbursement of payroll payments; (2) invoices for purchases, receiving and issuing documents, and all other unit inventory records for the Contractor's stocks or capital items; and (3) paid invoices and cancelled checks for materials purchased and for subcontractors' and any other third parties' charges.

Contractor agrees that H-GAC will have the right, with reasonable notice, to inspect its records pertaining to purchase orders processed and the accuracy of the fees payable to H-GAC. The Contractor further agrees that the examination of records outlined in this article shall be included in all subcontractor or third-party agreements.

ARTICLE 19: RETENTION OF RECORDS

The Contractor and its subcontractors shall maintain all records pertinent to this Agreement, and all other financial, statistical, property, participant records, and supporting documentation for a period of no less than seven (7) years from the later of the date of acceptance of the final payment or until all audit findings have been resolved. If any litigation, claim, negotiation, audit or other action involving the records has been started before the expiration of the retention period, the records shall be retained until completion of the action and resolution of all issues which arise from it, or until the end of the seven (7) years, whichever is later, and until any outstanding litigation, audit, or claim has been fully resolved.

ARTICLE 20: DISTRIBUTORS, VENDORS, RESELLERS

Contractor agrees and acknowledges that any such designations of distributors, vendors, resellers or the like are for the convenience of the Contractor only and the awarded Contractor will remain responsible and liable for all

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obligations under the Contract and the performance of any designated distributor, vendor, reseller, etc. Contractor is also responsible for receiving and processing any Customer purchase order in accordance with the Contract and forwarding of the Purchase Order to the designated distributor, vendor, reseller, etc. to complete the sale or service. H-GAC reserves the right to reject any entity acting on the Contractor's behalf or refuse to add entities after a contract is awarded.

ARTICLE 21: CHANGE ORDERS AND AMENDMENTS

A. Any alterations, additions, or deletions to the terms of this Agreement, which are required by changes in federal or state law or by regulations, are automatically incorporated without written amendment hereto, and shall become effective on the date designated by such law or by regulation.

B. To ensure the legal and effective performance of this Agreement, both parties agree that any amendment that affects the performance under this Agreement must be mutually agreed upon and that all such amendments must be in writing. After a period of no less than 30 days subsequent to written notice, unless sooner implementation is required by law, such amendments shall have the effect of qualifying the terms of this Agreement and shall be binding upon the parties as if written herein.

C. Customers have the right to issue a change order to any purchase orders issued to the Contractor for the purposes of clarification or inclusion of additional specifications, qualifications, conditions, etc. The change order must be in writing and agreed upon by Contractor and the Customer agency prior to issuance of any Change Order. A copy of the Change Order must be provided by the Contractor to, and acknowledged by, H-GAC.

ARTICLE 22: CONTRACT ITEM CHANGES

A. If a manufacturer discontinues a contracted item, that item will automatically be considered deleted from the contract with no penalty to Contractor. However, H-GAC may at its sole discretion elect to make a contract award to the next lowest Respondent for the item, or take any other action deemed by H-GAC, at its sole discretion, to be in the best interests of its Customers.

B. If a manufacturer makes any kind of change in a contracted item which affects the contract price, Contractor must advise H-GAC of the details. H-GAC may allow or reject the change at its sole discretion. If the change is rejected, H-GAC will remove the item from its program and there will be no penalty to Contractor. However, H-GAC may at its sole discretion elect to make a contract award to the next lowest Respondent for the item, or take any other action deemed by H-GAC, at its sole discretion, to be in the best interests of its Customers.

C. If a manufacturer makes any change in a contracted item which does not affect the contract price, Contractor shall advise H-GAC of the details. If the 'new' item is equal to or better than the originally contracted item, the 'new' item shall be approved as a replacement. If the change is rejected H-GAC will remove the item from its program and there will be no penalty to Contractor. However, H-GAC may at its sole discretion elect to make a contract award to the next lowest Respondent for the item or may take any other action deemed by H-GAC at its sole discretion, to be in the best interests of its Customers.

D. In the case of specifically identified catalogs or price sheets which have been contracted as base bid items or as published options, routine published changes to products and pricing will be automatically incorporated into the contract. However, Contractor must still provide thirty (30) calendar days written notice and an explanation of the changes to products and pricing. H-GAC will respond with written approval.

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ARTICLE 23: CONTRACT PRICE ADJUSTMENTS

Price Decreases
If Contractor's Direct Cost decreases at any time during the full term of this award, Contractor must immediately pass the decrease on to H-GAC and lower its prices by the amount of the decrease in Direct Cost. (Direct Cost means Contractor's cost from the manufacturer of any item or if Contractor is the manufacturer, the cost of raw materials required to manufacture the item, plus costs of transportation from manufacturer to Contractor and Contractor to H-GAC. Contractor must notify H-GAC of price decreases in the same way as for price increases set out below. The price decrease shall become effective upon H-GAC's receipt of Contractor's notice. If Contractor routinely offers discounted contract pricing, H-GAC may request Contractor accept amended contract pricing equivalent to the routinely discounted pricing

Price Increases
Contractors may request a price increase after twelve (12) months from the bid opening date of the bid received by H-GAC. The amount of any increase will not exceed actual documented increase in Contractor's Direct Cost and will not exceed 10% of the previous bid price. Considerations on the percentage limit will be given if the price increase is the result of increased tariff charges, or other economic factors.

Price Changes
Any permanent increase or decrease in offered pricing for a base contract item or published option is considered a price change. Temporary increases in pricing by whatever name (e.g. 'surcharge', 'adjustment', 'equalization charge', 'compliance charge', 'recovery charge', etc.), are also considered to be price changes. For published catalogs and price sheets as part of an H-GAC contract, requests to amend the contract to reflect any new published catalog or price sheet must be submitted whenever the manufacturer publishes a new document. The request must include the new catalog or price sheet.

All Products shall, at time of sale, be equipped as required under any then current applicable local, state, and federal government requirements. If, during the course of any contract, changes are made to any government requirements which cause a manufacturer's costs of production to increase, Contractor may increase pricing to the extent of Contractor's actual cost increase. The increase must be substantiated with support documentation acceptable to H-GAC prior to taking effect. Modifications to a Product required to comply with such requirements which become effective after the date of any sale are the responsibility of the Customer.

Requesting Price Increase/Required Documentation
Contractor must submit a written notification at least thirty (30) calendar days prior to the requested effective date of the change, setting the amount of the increase, along with an itemized list of any increased prices, showing the Contractor's current price, revised price, the actual dollar difference and the percentage of the price increase by line item. Price change requests must include H-GAC Forms D Offered Item Pricing and E Options Pricing, or the documentation used to submit pricing in the original Response and be supported with substantive documentation (e.g. manufacturer's price increase notices, copies of invoices from suppliers, etc.) clearly showing that Contractor's actual costs have increased per the applicable line item bid. The Producer Price Index (PPI) may be used as partial justification, subject to approval by H-GAC, but no price increase based solely on an increase in the PPI will be allowed. This documentation should be submitted in Excel format to facilitate analysis and updating of the website. The letter and documentation must be sent to the Bids and Specifications manager, William Burton, at William.Burton@h-gac.com

Review/Approval of Requests
If H-GAC approves the price increase, Contractor will be notified in writing; no price increase will be effective until Contractor receives this notice. If H-GAC does not approve Contractor's price increase, Contractor may terminate its performance upon sixty (60) days advance written notice to H-GAC, however Contractor must fulfill

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any outstanding Purchase Orders. Termination of performance is Contractor's only remedy if H-GAC does not approve the price increase. H-GAC reserves the right to accept or reject any price change request.

ARTICLE 24: DELIVERIES AND SHIPPING TERMS

The Contractor agrees to make deliveries only upon receipt of authorized Customer Purchase Order acknowledged by H-GAC. Delivery made without such Purchase Order will be at Contractor's risk and will leave H-GAC the option of canceling any contract awarded to the Contractor. The Contractor must secure and deliver any item within five (5) working days, or as agreed to on any corresponding customer Purchase Order.

Shipping must be Freight On Board Destination to the delivery location designated on the Customer purchase order. The Contractor will retain title and control of all goods until delivery is completed and the Customer has accepted the delivery. All risk of transportation and all related charges are the responsibility of the Contractor. The Customer will notify the Contractor and H-GAC promptly of any damaged goods and will assist the Contractor in arranging for inspection. The Contractor must file all claims for visible or concealed damage. Unless otherwise stated in the Agreement, deliveries must consist only of new and unused merchandise.

ARTICLE 25: RESTOCKING (EXCHANGES AND RETURNS)

There will be no restocking charge to the Customer for return or exchange of any item purchased under the terms of any award. If the Customer wishes to return items purchased under an awarded contract, the Contractor agrees to exchange, these items for other items, with no additional charge incurred. Items must be returned to Contractor within thirty (30) days from date of delivery. If there is a difference in price in the items exchanged, the Contractor must notify H-GAC and invoice Customer for increase price or provide the Customer with a credit or refund for any decrease in price per Customer's preference. On items returned, a credit or cash refund will be issued by the Contractor to Customer. This return and exchange option will extend for thirty (30) days following the expiration of the term of the Contract. All items returned by the Customer must be unused and in the same merchantable condition as when received. Items that are special ordered may be returned only upon approval of the Contractor.

ARTICLE 26: MANUALS

Each product delivered under contract to any Customer must be delivered with at least one (1) copy of a safety and operating manual and any other technical or maintenance manual. The cost of the manual(s) must be included in the price for the Product offered.

ARTICLE 27: OUT OF STOCK, PRODUCT RECALLS, AND DISCONTINUED PRODUCTS

H-GAC does NOT purchase the products sold pursuant to a Solicitation or Agreement. Contractor is responsible for ensuring that notices and mailings, such as Out of Stock or Discontinued Notices, Safety Alerts, Safety Recall Notices, and customer surveys, are sent directly to the Customer with a copy sent to H-GAC. Customer will have the option of accepting any equivalent product or canceling the item from Customer's Purchase Order. Contractor is not authorized to make substitutions without prior approval.

ARTICLE 28: WARRANTIES, SALES, AND SERVICE

Warranties must be the manufacturer's standard and inclusive of any other warranty requirements stated in the Agreement; any warranties offered by a dealer will be in addition to the manufacturer's standard warranty and will not be a substitute for such. Pricing for any product must be inclusive of the standard warranty.

Contractor is responsible for the execution and effectiveness of all product warranty requests and any claims, Contractor agrees to respond directly to correct warranty claims and to ensure reconciliation of warranty claims that have been assigned to a third party.

ARTICLE 29: TERMINATION PROCEDURES

The Contractor acknowledges that this Agreement may be terminated for Convenience or Default.

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H-GAC will not pay for any expenses incurred after the termination date of the contract.

A. *Convenience*
H-GAC may terminate this Agreement at any time, in whole or in part, with or without cause, whenever H-GAC determines that for any reason such termination is in the best interest of H-GAC, by providing written notice by certified mail to the Contractor. Upon receipt of notice of termination, all services hereunder of the Contractor and its employees and subcontractors shall cease to the extent specified in the notice of termination.

The Contractor may cancel or terminate this Agreement upon submission of thirty (30) days written notice, presented to H-GAC via certified mail. The Contractor may not give notice of cancellation after it has received notice of default from H-GAC.

B. *Default*
H-GAC may, by written notice of default to the Contractor, terminate the whole or any part of the Agreement, in any one of the following circumstances:
(1) If the Contractor fails to perform the services herein specified within the time specified herein or any extension thereof; or
(2) If the Contractor fails to perform any of the other provisions of this Agreement for any reason whatsoever, or so fails to make progress or otherwise violates the Agreements that completion of services herein specified within the Agreement term is significantly endangered, and in either of these two instances does not cure such failure within a period often (10) days (or such longer period of time as may be authorized by H-GAC in writing) after receiving written notice by certified mail of default from H-GAC.
(3) In the event of such termination, Contractor will notify H-GAC of any outstanding Purchase Orders and H-GAC will consult with the End User and notify the Contractor to what extent the End User wishes the Contractor to complete the Purchase Order. If Contractor is unable to do so, Contractor may be subject to a claim for damages from H-GAC and/or the End User.

ARTICLE 30: SEVERABILITY
H-GAC and Contractor agree that should any provision of this Agreement be determined to be invalid or unenforceable, such determination shall not affect any other term of this Agreement, which shall continue in full force and effect.

ARTICLE 31: FORCE MAJEURE
To the extent that either party to this Agreement shall be wholly or partially prevented from the performance of any obligation or duty placed on such party by reason of or through strikes, stoppage of labor, riot, fire, flood, acts of war, insurrection, accident, order of any court, act of God, or specific cause reasonably beyond the party's control and not attributable to its neglect or nonfeasance, in such event, the time for the performance of such obligation or duty shall be suspended until such disability to perform is removed. Determination of force majeure shall rest solely with H-GAC.

ARTICLE 32: CONFLICT OF INTEREST
No officer, member or employee of the Contractor or subcontractor, no member of the governing body of the Contractor, and no other public officials of the Contractor who exercise any functions or responsibilities in the review or Contractor approval of this Agreement, shall participate in any decision relating to this Agreement which affects his or her personal interest, or shall have any personal or pecuniary interest, direct or indirect, in this Agreement.

A. **Conflict of Interest Questionnaire:** Chapter 176 of the Texas Local Government Code requires contractors contracting or seeking to contract with H-GAC to file a conflict of interest questionnaire (CIQ)

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if they have an employment or other business relationship with an H-GAC officer or an officer's close family member. The required questionnaire and instructions are located on the H-GAC website or at the Texas Ethics Commission website https://www.ethics.state.tx.us/forms/CIQ.pdf. H-GAC officers include its Board of Directors and Executive Director, who are listed on this website. Respondent must complete and file a CIQ with the Texas Ethics Commission if an employment or business relationship with H-GAC office or an officer's close family member as defined in the law exists.

B. **Certificate of Interested Parties Form – Form 1295:** As required by Section 2252.908 of the Texas Government Code. H-GAC will not enter a Contract with Contractor unless (i) the Contractor submits a disclosure of interested parties form to H-GAC at the time the Contractor submits the contract H-GAC, or (ii) the Contractor is exempt from such requirement. The required form and instructions are located at the Texas Ethics Commission website https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm. Respondents who are awarded a Contract must submit their Form 1295 with the signed Contract to H-GAC.

ARTICLE 33: FEDERAL COMPLIANCE

Contractor agrees to comply with all federal statutes relating to nondiscrimination, labor standards, and environmental compliance. With regards to "Rights to Inventions Made Under a Contract or Agreement," If the Federal award meets the definition of "funding agreement" under 37 CFR § 401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency. Contractor agrees to be wholly compliant with the provisions of 2 CFR 200, Appendix II. Additionally, for work to be performed under the Agreement or subcontract thereof, including procurement of materials or leases of equipment, Contractor shall notify each potential subcontractor or supplier of the Contractor's federal compliance obligations. These may include, but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§ 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) the Fair Labor Standards Act of 1938 (29 USC 676 et. seq.), (d) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. § 794), which prohibits discrimination on the basis of handicaps and the Americans with Disabilities Act of 1990; (e) the Age Discrimination in Employment Act of 1967 (29 USC 621 et. seq.) and the Age Discrimination Act of 1974, as amended (42 U.S.C. §§ 6101-6107), which prohibits discrimination on the basis of age; (f) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (g) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to the nondiscrimination on the basis of alcohol abuse or alcoholism; (h) §§ 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (i) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. § 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (j) any other nondiscrimination provisions in any specific statute(s) applicable to any Federal funding for this Agreement; (k) the requirements of any other nondiscrimination statute(s) which may apply to this Agreement; (l) applicable provisions of the Clean Air Act (42 U.S.C. §7401 et seq.), the Federal Water Pollution Control Act, as amended (33 U.S.C. §1251 et seq.), Section 508 of the Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and the Environmental Protection Agency regulations at 40 CPR Part 15; (m) applicable provisions of the Davis- Bacon Act (40 U.S.C. 276a - 276a-7), the Copeland Act (40 U.S.C. 276c), and the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-332), as set forth in Department of Labor Regulations at 20 CPR 5.5a; (n) the mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (P.L. 94-163).

ARTICLE 34: CRIMINAL PROVISIONS AND SANCTIONS

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The Contractor agrees to perform the Agreement in conformance with safeguards against fraud and abuse as set forth by the H-GAC, the State of Texas, and the acts and regulations of any related state or federal agency. The Contractor agrees to promptly notify H-GAC of any actual or suspected fraud, abuse, or other criminal activity through the filing of a written report within twenty-four (24) hours of knowledge thereof. Contractor shall notify H-GAC of any accident or incident requiring medical attention arising from its activities under this Agreement within twenty-four (24) hours of such occurrence. Theft or willful damage to property on loan to the Contractor from H-GAC, if any, shall be reported to local law enforcement agencies and H-GAC within two (2) hours of discovery of any such act.

The Contractor further agrees to cooperate fully with H-GAC, local law enforcement agencies, the State of Texas, the Federal Bureau of Investigation and any other duly authorized investigative unit, in carrying out a full investigation of all such incidents.

The Contractor shall notify H-GAC of the threat of lawsuit or of any actual suit filed against the Contractor pertaining to this Agreement or which would adversely affect the Contractor's ability to perform services under this Agreement.

ARTICLE 35: INDEMNIFICATION AND RECOVERY

H-GAC's liability under this Agreement, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, is limited to its order processing charge. In no event will H-GAC be liable for any loss of use, loss of time, inconvenience, commercial loss, lost profits or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. Contractor agrees, to the extent permitted by law, to defend and hold harmless H-GAC, its board members, officers, agents, officials, employees and indemnities from any and all claims, costs, expenses (including reasonable attorney fees), actions, causes of action, judgements, and liens arising as a result of Contractor's negligent act or omission under this Agreement. Contractor shall notify H-GAC of the threat of lawsuit or of any actual suit filed against Contractor relating to this Agreement.

ARTICLE 36: LIMITATION OF CONTRACTOR'S LIABILITY

Except as specified in any separate writing between the Contractor and an END USER, Contractor's total liability under this Agreement, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, but excluding its obligation to indemnify H-GAC, is limited to the price of the particular products/services sold hereunder, and Contractor agrees either to refund the purchase price or to repair or replace product(s) that are not as warranted. In no event will Contractor be liable for any loss of use, loss of time, inconvenience, commercial loss, loss of profits or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. Contractor understands and agrees that it shall be liable to repay and shall repay upon demand to END USER any amounts determined by H-GAC, its independent auditors, or any agency of State or Federal government to have been paid in violation of the terms of this Agreement.

ARTICLE 37: TITLES NOT RESTRICTIVE

The titles assigned to the various Articles of this Agreement are for convenience only. Titles shall not be considered restrictive of the subject matter of any Article, or part of this Agreement.

ARTICLE 38: JOINT WORK PRODUCT

This Agreement is the joint work product of H-GAC and the Contractor. This Agreement has been negotiated by H-GAC and the Contractor and their respective counsel and shall be fairly interpreted in accordance with its terms and, in the event of any ambiguities, no inferences shall be drawn against any party.

ARTICLE 39: PROCUREMENT OF RECOVERED MATERIAL

H-GAC and the Respondent must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include: (1) procuring only items

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designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds $10,000 or the value of the quantity acquired during the preceding fiscal year exceeded $10,000; (2) procuring solid waste management services in a manner that maximizes energy and resource recovery; and (3) establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines. Pursuant to the Federal Rule above, as required by the Resource Conservation and Recovery Act of 1976 (42 U.S.C. § 6962(c)(3)(A)(i)), Respondent certifies that the percentage of recovered materials content for EPA-designated items to be delivered or used in the performance of the Contract will be at least the amount required by the applicable contract specifications or other contractual requirements.

ARTICLE 40: COPELAND "ANTI-KICKBACK" ACT

Contractor shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into the contract. The contractor or subcontractor shall insert in any subcontracts the clause above and such other clauses as appropriate agency instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all of these contract clauses. A breach of the contract clauses above may be grounds for termination of the Contract, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. § 5.12.

ARTICLE 41: DISCRIMINATION

Respondent and any potential subcontractors shall comply with all Federal statutes relating to nondiscrimination. These include, but are not limited to:

a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352), which prohibits discrimination on the basis of race, color, or national origin;
b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex;
c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps;
d) The Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101- 6107), which prohibits discrimination on the basis of age;
e) The Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse;
f) The Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism;
g) Sections 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records;
h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental, or financing of housing;
i) Any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and
j) The requirements of any other nondiscrimination statute(s) that may apply to the application.

ARTICLE 42: DRUG FREE WORKPLACE

Contractor must provide a drug-free workplace in accordance with the Drug-Free Workplace Act, as applicable. For the purposes of this Section, "drug-free" means a worksite at which employees are prohibited from engaging in the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance. H-GAC may request a copy of this policy.

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ARTICLE 43: APPLICABILITY TO SUBCONTRACTORS

Respondent agrees that all contracts it awards pursuant to the contract awarded as a result of this Agreement will be bound by the foregoing terms and conditions.

ARTICLE 44: WARRANTY AND COPYRIGHT

Submissions must include all warranty information, including items covered, items excluded, duration, and renewability. Submissions must include proof of licensing if using third party code for programming.

ARTICLE 45: DATA HANDLING AND SECURITY

It will always be the responsibility of the selected Contractor to manage data transfer and to secure all data appropriately during the project to prevent unauthorized access to all data, products, and deliverables.

ARTICLE 46: DISPUTES

All disputes concerning questions of fact or of law arising under this Agreement, which are not addressed within the Whole Agreement as defined pursuant to Article 4 hereof, shall be decided by the Executive Director of H-GAC or his designee, who shall reduce his decision to writing and provide notice thereof to the Contractor. The decision of the Executive Director or his designee shall be final and conclusive unless, within thirty (30) days from the date of receipt of such notice, the Contractor requests a rehearing from the Executive Director of H-GAC. In connection with any rehearing under this Article, the Contractor shall be afforded an opportunity to be heard and offer evidence in support of its position. The decision of the Executive Director after any such rehearing shall be final and conclusive. The Contractor may, if it elects to do so, appeal the final and conclusive decision of the Executive Director to a court of competent jurisdiction. Pending final decision of a dispute hereunder, the Contractor shall proceed diligently with the performance of the Agreement and in accordance with H- GAC's final decision.

ARTICLE 47: CHOICE OF LAW: VENUE

This Agreement shall be governed by the laws of the State of Texas. Venue and jurisdiction of any suit or cause of action arising under or in connection with the Agreement shall lie exclusively in Harris County, Texas. Disputes between END USER and Contractor are to be resolved in accordance with the law and venue rules of the state of purchase. Contractor shall immediately notify H-GAC of such disputes.

ARTICLE 48: ORDER OF PRIORITY

In the case of any conflict between or within this Agreement, the following order of priority shall be utilized: 1) General Provisions, 2) Special Provisions, 3) Scope of Work, and, 4) Other Attachments.

ARTICLE 49: WHOLE AGREEMENT

The General Provisions, Special Provisions, and Attachments, as provided herein, constitute the complete Agreement ("Agreement") between the parties hereto, and supersede any and all oral and written agreements between the parties relating to matters herein. Except as otherwise provided herein, this Agreement cannot be modified without written consent of the parties.

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SIGNATURES:
H-GAC and the Contractor have read, agreed, and executed the whole Agreement as of the date first written above, as accepted by:

Consolidated Traffic Controls, Inc.		**H-GAC**	
Signature	DocuSigned by: Bryan Jones 4CFC215BBD244A0...	Signature	DocuSigned by: 82EC270D5D61423...
Name	Bryan Jones	Name	Chuck Wemple
Title	Senior Vice President	Title	Executive Director
Date	5/25/2021	Date	5/27/2021

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SPECIAL PROVISIONS

Incorporated by attachment, as part of the whole agreement, H-GAC and the Contractor do, hereby agree to the Special Provisions as follows:

ARTICLE 1: BIDS/PROPOSALS INCORPORATED

In addition to the whole Agreement, the following documents listed in order of priority are incorporated into the Agreement by reference: Bid/Proposal Specifications and Contractor's Response to the Bid/Proposal.

ARTICLE 2: END USER AGREEMENTS ("EUA")

H-GAC acknowledges that the END USER may choose to enter into an End User Agreement ("EUA) with the Contractor through this Agreement, and that the term of the EUA may exceed the term of the current H-GAC Agreement. H-GAC's acknowledgement is not an endorsement or approval of the End User Agreement's terms and conditions. Contractor agrees not to offer, agree to or accept from the END USER, any terms or conditions that conflict with those in Contractor's Agreement with H-GAC. Contractor affirms that termination of its Agreement with H-GAC for any reason shall not result in the termination of any underlying EUA, which shall in each instance, continue pursuant to the EUA's stated terms and duration. Pursuant to the terms of this Agreement, termination of this Agreement will disallow the Contractor from entering into any new EUA with END USERS. Applicable H-GAC order processing charges will be due and payable to H-GAC on any EUAs, surviving termination of this Agreement between H-GAC and Contractor.

ARTICLE 3: MOST FAVORED CUSTOMER CLAUSE

Contractor shall provide its most favorable pricing and terms to H-GAC. If at any time during this Agreement, Contractor develops a regularly followed standard procedure of entering into agreements with other governmental customers within the State of Texas, and offers the same or substantially the same products/services offered to H-GAC on a basis that provides prices, warranties, benefits, and or terms more favorable than those provided to H-GAC, Contractor shall notify H-GAC within ten (10) business days thereafter, and this Agreement shall be deemed to be automatically retroactively amended, to the effective date of Contractor's most favorable past agreement with another entity. Contractor shall provide the same prices, warranties, benefits, or terms to H-GAC and its END USER as provided in its most favorable past agreement. H-GAC shall have the right and option at any time to decline to accept any such change, in which case the amendment shall be deemed null and void. If Contractor claims that a more favorable price, warranty, benefit, or term that was charged or offered to another entity during the term of this Agreement, does not constitute more favorable treatment, than Contractor shall, within ten (10) business days, notify H-GAC in writing, setting forth the detailed reasons Contractor believes the aforesaid offer is not in fact most favored treatment. H-GAC, after due consideration of Contractor's written explanation, may decline to accept such explanation and thereupon this Agreement between H-GAC and Contractor shall be automatically amended, effective retroactively, to the effective date of the most favored agreement, to provide the same prices, warranties, benefits, or terms to H-GAC and the END USER.

EXCEPTION: This clause shall not be applicable to prices and price adjustments offered by a bidder, proposer or contractor, which are not within bidder's/proposer's control [example; a manufacturer's bid concession], or to any prices offered to the Federal Government and its agencies.

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ARTICLE 4: PARTY LIABILITY

Contractor's total liability under this Agreement, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, is limited to the price of the particular products/services sold hereunder. Contractor agrees either to refund the purchase price or to repair or replace product(s) that are not as warranted. Contractor accepts liability to repay, and shall repay upon demand to END USER, any amounts determined by H-GAC, its independent auditors, or any state or federal agency, to have been paid in violation of the terms of this Agreement.

ARTICLE 5: GOVERNING LAW & VENUE

Contractor and H-GAC agree that Contractor will make every reasonable effort to resolve disputes with the END USER in accord with the law and venue rules of the state of purchase. Contractor shall immediately notify H-GAC of such disputes.

ARTICLE 6: SALES AND ORDER PROCESSING CHARGE

Contractor shall sell its products to END USERS based on the pricing and terms of this Agreement. H-GAC will invoice Contractor for the applicable order processing charge when H-GAC receives notification of an END USER order. Contractor shall remit to H-GAC the full amount of the applicable order processing charge, after delivery of any product or service and subsequent END USER acceptance. Payment of the Order Processing Charge shall be remitted from Contractor to H-GAC, within thirty (30) calendar days or ten (10) business days after receipt of an END USER's payment, whichever comes first, notwithstanding Contractor's receipt of invoice. For sales made by Contractor based on this Agreement, including sales to entities without Interlocal Agreements, Contractor shall pay the applicable order processing charges to H-GAC. Further, Contractor agrees to encourage entities who are not members of H-GAC's Cooperative Purchasing Program to execute an H-GAC Interlocal Agreement. H-GAC reserves the right to take appropriate actions including, but not limited to, Agreement termination if Contractor fails to promptly remit the appropriate order processing charge to H-GAC. In no event shall H-GAC have any liability to Contractor for any goods or services an END USER procures from Contractor. At all times, Contractor shall remain liable to pay to H-GAC any order processing charges on any portion of the Agreement actually performed, and for which compensation was received by Contractor.

ARTICLE 7: LIQUIDATED DAMAGES

Contractor and H-GAC agree that Contractor shall cooperate with the END USER at the time an END USER purchase order is placed, to determine terms for any liquidated damages.

ARTICLE 8: INSURANCE

Unless otherwise stipulated in Section B of the Bid/Proposal Specifications, Contractor must have the following insurance and coverage minimums:

a. General liability insurance with a Single Occurrence limit of at least $1,000,000.00, and a General Aggregate limit of at least two times the Single Occurrence limit.
b. Product liability insurance with a Single Occurrence limit of at least $1,000,000.00, and a General Aggregate limit of at least two times the Single Occurrence limit for all Products except Automotive Fire Apparatus. For Automotive Fire Apparatus, see Section B of the Bid/Proposal Specifications.
c. Property Damage or Destruction insurance is required for coverage of End User owned equipment while in Contractor's possession, custody or control. The minimum Single Occurrence limit is $500,000.00 and the General Aggregate limit must be at least two times the Single Occurrence limit. This insurance may be carried in several ways, e.g. under an Inland Marine policy, as art of Automobile coverage, or under a Garage Keepers policy. In any event, this coverage must be specifically and clearly listed on insurance certificate(s) submitted to H-GAC.

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d. Insurance coverage shall be in effect for the length of any contract made pursuant to the Bid/Proposal, and for any extensions thereof, plus the number of days/months required to deliver any outstanding order after the close of the contract period.
e. Original Insurance Certificates must be furnished to H-GAC on request, showing Contractor as the insured and showing coverage and limits for the insurances listed above.
f. If any Product(s) or Service(s) will be provided by parties other than Contractor, all such parties are required to carry the minimum insurance coverages specified herein, and if requested by H-GAC, a separate insurance certificate must be submitted for each such party.
g. H-GAC reserves the right to contact insurance underwriters to confirm policy and certificate issuance and document accuracy.

ARTICLE 9: PERFORMANCE AND PAYMENT BONDS FOR INDIVIDUAL ORDERS

H-GAC's contractual requirements DO NOT include a Performance & Payment Bond (PPB); therefore, Contractor shall offer pricing that reflects this cost savings. Contractor shall remain prepared to offer a PPB to cover any order if so requested by the END USER. Contractor shall quote a price to END USER for provision of any requested PPB, and agrees to furnish the PPB within ten business (10) days of receipt of END USER's purchase order.

ARTICLE 10: ORDER PROCESSING CHARGE

H-GAC will apply an Order Processing Charge for each sale done through the H-GAC contract, with the exception of orders for motor vehicles. Any pricing submitted must include this charge amount per the most current H-GAC schedule. For motor vehicle orders, the Processing Charge is paid by the Customer.

ARTICLE 11: CHANGE OF STATUS

Contractor shall immediately notify H-GAC, in writing, of ANY change in ownership, control, dealership/franchisee status, Motor Vehicle license status, or name. Contractor shall offer written guidance to advise H-GAC if this Agreement shall be affected in any way by such change. H-GAC shall have the right to determine whether or not such change is acceptable, and to determine what action shall be warranted, up to and including cancellation of Agreement.

ARTICLE 11: REQUIREMENTS TO APPLICABLE PHYSICAL GOODS

In the case of physical goods (e.g. equipment, material, supplies, as opposed to services), all Products offered must comply with any applicable provisions of the Texas Business and Commerce Code, Title 1, Chapter 2 and with at least the following:

a. Be new, unused, and not refurbished.
b. Not be a prototype as the general design, operation and performance. This requirement is NOT meant to preclude the Contractor from offering new models or configurations which incorporate improvements in a current design or add functionality, but in which new model or configuration may be new to the marketplace.
c. Include all accessories which may or may not be specifically mentioned in the Agreement, but which are normally furnished or necessary to make the Product ready for its intended use upon delivery. Such accessories shall be assembled, installed and adjusted to allow continuous operation of Product at time of delivery.
d. Have assemblies, sub-assemblies and component parts that are standard and interchangeable throughout the entire quantity of a Product as may be purchased simultaneously by any Customer.
e. Be designed and constructed using current industry accepted engineering and safety practices, and materials.
f. Be available for inspection at any time prior to or after procurement.

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ARTICLE 12: TEXAS MOTOR VEHICLE BOARD LICENSING

All that deal in motor vehicles shall maintain current licenses that are required by the Texas Motor Vehicle Commission Code. If at any time during this Agreement term, any required Contractor license is denied, revoked, or not renewed, Contractor shall be in default of this Agreement, unless the Texas Motor Vehicle Board issues a stay or waiver. Contractor shall promptly provide copies of all current applicable Texas Motor Vehicle Board documentation to H-GAC upon request.

ARTICLE 13: INSPECTION/TESTING

All Products sold pursuant to this Agreement will be subject to inspection/testing by or at the direction of H-GAC and/or the ordering Customer, either at the delivery destination or the place of manufacture. In the event a Product fails to meet or exceed all requirements of this Agreement, and unless otherwise agreed in advance, the cost of any inspection and/or testing, will be the responsibility of the Contractor.

ARTICLE 14: ADDITIONAL REPORTING REQUIREMENTS

Contractor agrees to submit written quarterly reports to H-GAC detailing all transactions during the previous three (3) month period. Reports must include, but are not limited, to the following information:

a. Customer Name
b. Product/Service purchased, including Product Code if applicable
c. Customer Purchase Order Number
d. Purchase Order Date
e. Product/Service dollar amount
f. HGACBuy Order Processing Charge amount

ARTICLE 15: BACKGROUND CHECKS

Cooperative customers may request background checks on any awarded contractor's employees who will have direct contact with students, or for any other reason they so choose, any may require contractor to pay the cost of obtaining any background information requested by the Customer.

ARTICLE 16: PROHIBITION ON CONTRACTS WITH COMPANIES BOYCOTTING ISRAEL CERTIFICATION

As required by Chapter 2271 of the Texas Local Government Code the Contractor must verify that it 1) does not boycott Israel; and 2) will not boycott Israel during the term of the Contract. Pursuant to Section 2271.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and

2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

ARTICLE 17: NO EXCLUDED NATION OR TERRORIST ORGANIZATION CERTIFICATION

As required by Chapter 2252 of the Texas Government Code the Contractor must certify that it is not a company engaged in active business operations with Sudan, Iran, or a foreign terrorist organization – specifically, any company identified on a list prepared and maintained by the Texas Comptroller under Texas Government Code §§806.051, 807.051, or 2252.153. (A company that the U.S. Government affirmatively declares to be excluded from its federal sanctions regime relating to Sudan, Iran, or any federal sanctions regime relating to a foreign terrorist organization is not subject to the contract prohibition.)

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ARTICLE 18: PROHIBITION ON CONTRACTING WITH ENTITIES USING CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE EQUIPMENT (Effective Aug. 13, 2020 and as amended October 26, 2020)

Pursuant to 2 CFR 200.216, Contractor shall not offer equipment, services, or system that use covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. ‘‘Covered telecommunications equipment or services means 1) telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities); 2) for the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities); 3) telecommunications or video surveillance services provided by such entities or using such equipment; or 4) telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Contractor must comply with requirements for certifications. The provision at 48 C.F.R Section 52.204-26 requires that Contractors review SAM prior to completing their required representations. This rule applies to all acquisitions, including acquisitions at or below the simplified acquisition threshold and to acquisitions of commercial items, including commercially available off the-shelf items.

ARTICLE 19: BUY AMERICA ACT (National School Lunch Program and Breakfast Program)

With respect to products purchased by Customers for use in the National School Lunch Program and/or National School Breakfast Program, Contractor shall comply with all federal procurement laws and regulations with respect to such programs, including the Buy American provisions set forth in 7 C.F.R. Part 210.21(d), to the extent applicable. Contractor agrees to provide all certifications required by Customer regarding such programs.

In the event Contractor or Contractor’s supplier(s) are unable or unwilling to certify compliance with the Buy American Provision, or the applicability of an exception to the Buy American provision, H-GAC Customers may decide not to purchase from Contractor. Additionally, H-GAC Customers may require country of origin on all products and invoices submitted for payment by Contractor, and Contractor agrees to comply with any such requirement.

ARTICLE 20: BUY AMERICA REQUIREMENT (Applies only to Federally Funded Highway and Transit Projects)

With respect to products purchased by Customer for use in federally funded highway projects, Contractor shall comply with all federal procurement laws and regulations with respect to such projects, including the Buy American provisions set forth in 23 U.S.C. Section 313, 23 C.F.R. Section 635.410, as amended, and the Steel and Iron Preference provisions of Texas Transportation Code Section 223.045, to the extent applicable. Contractor agrees to provide all certifications required by Customer regarding such programs. With respect to products purchased by Customer for use in federally funded transit projects, Contractor shall comply with all federal procurement laws and regulations with respect to such projects, including the Buy American provisions set forth in 49 U.S.C. Section 5323(j)(1), 49 C.F.R. Sections 661.6 or 661.12, to the extent applicable. Contractor agrees to provide all certifications required by Customer regarding such programs.

ARTICLE 21: DOMESTIC PREFERENCE

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In accordance with 2 CFR 200.322, as appropriate and to the extent consistent with law, a Customer using federal grant award funds should, to the greatest extent practicable, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). The Customer must include this requirement in all subawards including all contracts and purchase orders for work or products under the federal grant award. If Contractor intends to qualify for Purchase Orders using federal grant money, the it shall work with the Customer to provide all required certifications and other documentation needed to show compliance.

ARTICLE 22: TITLE VI REQUIREMENTS

H-GAC in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any disadvantaged business enterprises will be afforded full and fair opportunity to submit in response to this Agreement and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

ARTICLE 23: EQUAL EMPLOYMENT OPPORTUNITY

Except as otherwise provided under 41 CFR Part 60, all Contracts and Customer Purchase Orders that meet the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 shall be deemed to include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity" (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., pg.339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41CFR Part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

The equal opportunity clause provided under 41 CFR 60-1.4(b) is hereby incorporated by reference. Contractor agrees that such provision applies to any contract that meets the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 and agrees that it will comply with such provision.

ARTICLE 24: CLEAN AIR AND WATER POLLUTION CONTROL ACT

Customer Purchase Orders using federal funds must contain a provision that requires the Contractor to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

Pursuant to the Federal Rule above, Contractor certifies that it is in compliance with all applicable provisions of the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387) and will remain in compliance during the term of the Contract.

ARTICLE 25: PREVAILING WAGE

Contractor and any potential subcontractors have a duty to and shall pay the prevailing wage rate under the Davis-Bacon Act, 40 U.S.C. 276a – 276a-5, as amended, and the regulations adopted thereunder contained in 29 C.F.R. pt. 1 and 5.

ARTICLE 26: CONTRACT WORK HOURS AND SAFETY STANDARDS

As per the Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708), where applicable, all Customer Purchase Orders in excess of ,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor must be required to compute the wages of

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every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

ARTICLE 27: PROFIT AS A SEPARATE ELEMENT OF PRICE

For purchases using federal funds in excess of ,000, a Customer may be required to negotiate profit as a separate element of the price. See, 2 CFR 200.323(b). Contractor agrees to provide information and negotiate with the Customer regarding profit as a separate element of the price for the purchase. Contractor also agrees that the total price, including profit, charged by Contractor to Customer will not exceed the awarded pricing, including any applicable discount, under any awarded contract.

ARTICLE 28: BYRD ANTI-LOBBYING AMENDMENT

Byrd Anti-Lobbying Amendment (31U.S.C. 1352) – Contractors that apply or bid for an award exceeding ,000 must file the required anti-lobbying certification. Each tier must certify to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the Customer. As applicable, Contractor agrees to file all certifications and disclosures required by, and otherwise comply with, the Byrd Anti-Lobbying Amendment (31 USC 1352).Contractor certifies that it is currently in compliance with all applicable provisions of the Byrd Anti-Lobbying Amendment (31 U.S.C. 1352) and will continue to be in compliance throughout the term of the Contract and further certifies that:

1. No Federal appropriated funds have been paid or will be paid by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of a Federal contract, the making of a Federal Grant, the making of a Federal Loan, the entering into a cooperative agreement, and the extension, continuation, renewal, amendment, or modification of a Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing, or attempting to influence, an officer or employee of a Member of Congress in connection with a Federal contract, grant, loan, or cooperative agreement, Contractor shall complete and submit Standard Form – LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.
3. Contractor shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subcontractors shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certificate is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than ,000 and not more than ,000 for each such failure.

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ARTICLE 29: COMPLIANCE WITH EPA REGULATIONS APPLICABLE TO GRANTS, SUBGRANTS, COOPERATIVE AGREEMENTS, AND CONTRACTS

Contractor certifies compliance with all applicable standards, orders, regulations, and/or requirements issued pursuant to the Clean Air Act of 1970, as amended (42 U.S.C. 1857(h)), Section 508 of the Clean Water Act, as amended (13 U.S.C. 1368), Executive Order 117389 and Environmental Protection Agency Regulation, 40 CFR Part 15.

ARTICLE 30: COMPLIANCE WITH ENERGY POLICY AND CONSERVATION ACT

Contractor certifies that Contractor will be in compliance with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub. L. 94-163, 89 Stat. 871).

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Attachment A
Consolidated Traffic Controls, Inc.
Traffic Control, Enforcement and Signal Preemption Equipment
Contract No.: PE05-21

H-GAC Product Code	Item Description (Offeror may not change any desctiption or add items)	Offered Price
	RTC School Flasher Systems	
	Flash Cube for School or 24 Hour Flashers	
	Must Add Solar Panels, Batteries, Poles, Anchors, Signs, Time Switches and Communication if Applicable	
	If you want a yellow Flash Cube enter Y	
	If you want a yellow Signal Face enter Y	
	If you want a yellow Visor enter Y	
	If you want a Red LED Enter Y	
	If you want a 24 Hour Flasher Enter Y	
PNS10-FlashCube	Black Flash Cube Includes Cabinet, LED, Signal Face, Visor and Wiring and Solar Mounting Receiver	$ 1,253.00
PNS10-FlashCube-AC	AC Black Flash Cube Includes Cabinet, LED, Signal Face, Visor and Wiring and Solar Mounting Receiver	$ 1,113.00
PNS10-Cube2	Add a Second LED, Signal, Visor and Mount to FlashCube	$ 378.00
PNS10-Cube3	Add a Third Confirmation LED, Signal, Visor and Mount	$ 378.00
	FlashCube Mounting Options	
PNS10-503396	Pole Mount 4.5" OD Pole	$ 160.00
PNS10-503396-3	Pole Mount 2 7/8 to 3.00" OD Pole	$ 163.00
PNS10-503398	Pole Mount 2 3/8" OD Pole	$ 156.00
PNS10-503397	Pole Mount 2"x 2" Unistrut Pole	$ 125.00
PNS10-503396W	Wooden Pole 4x4 or 6x6	$ 125.00
	FlashCube Solar Panel Options	
PNS10-502400-20	20 Watt Solar Panel Assy incl Mount and Wiring	$ 345.00
PNS10-502400-30	30 Watt Solar Panel Assy incl Mount and Wiring	$ 390.00
PNS10-502400-40	40 Watt Solar Panel Assy incl Mount and Wiring	$ 449.00
PNS10-502400-50	50 Watt Solar Panel Assy incl Mount and Wiring	$ 481.00
PNS10-502400-65	65 Watt Solar Panel Assy incl Mount and Wiring	$ 545.00
	FlashCube Replacement LED's	
PNS10-506444MTSC	Amber Replacement Master LED W/ Regulator & Dimming for a School Flasher or 24 Hour Flasher	$ 311.00
PNS10-506445MTSC	Red Replacement Master LED W/ Regulator & Dimming for a 24 Hour Flasher	$ 311.00
PNS10-506444S	Amber Second LED	$ 126.00
PNS10-506445S	Red Second LED	$ 126.00
	School Zone Flashers	
	Select Cabinet, Solar Panel, Battery, IL LEDS, Signals, Signs, Poles, Time Switches and Comm. Equip. below)	
	If this is a 24 Hour Flasher enter Y	
	Standard Cabinets	
PNS10-503333K	One Battery Cabinet Including Panel No. 2 lock, Regulator and 4.5" Ubolt Mount 18W"x17H"x14"D	$ 807.00
PNS10-503333HBK	One Battery Cabinet Including Panel No. 2 lock, Regulator and Hinged Mounting Bracket (All Poles Sizes) 18W"x17H"x14"D	$ 807.00
PNS10-503333FBK	One Battery Cabinet Including Panel No. 2 lock, Regulator and Flared Bracket Mount 18W"x17H"x14"D	$ 807.00

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PNS10-503568K	Two Battery Cabinet Including Panel No. 2 lock, Regulator and 4.5" Ubolt Mount 17 1/4"x26"x17"	$ 1,070.00
PNS10-503576K	Two Battery Cabinet Including Panel No. 2 lock, Regulator and Flare Mounting Bracket 17 1/4"x26"x17"	$ 1,070.00
PNS10-502565K	AC Cabinet Including Panel, NEMA Flasher, #2 Lock 4.5" Flare Mount 14"x16"x10"	$ 636.00
PNS10-502564K	AC Cabinet Including Panel, NEMA Flasher, #2 Lock 4.5" Ubolt Mount 14"x16"x10"	$ 636.00
PNS10-502564HBK	AC Cabinet Including Panel, NEMA Flasher, #2 Lock 4.5" Hinge Bracket Mount 14"x16"x10"	$ 636.00
PNS10-502565TWCK	AC Cabinet Including Panel, CUBE Flasher, #2 Lock 4.5" Flare Mount 14"x16"x10"	$ 714.00
PNS10-SUBGUARD DC	Substitute 502598SWG DC Guardian Panel for Regular Swingout Panel, Cables and Harnesses	$ 285.00
PNS10-SUBGUARD AC	Substitute 502505G AC Guardian Panel for Regular Swingout Panel, ables and Harnesses	$ 488.00
PNS10-SUBGUARD LCBG	Substitute 502598LCB DC Guardian Panel for 2 Battery Cabinet Swingout Panel, Cables and Harnesses	$ 285.00
	Tacoma Washington Schooll Flasher Kits	
PNS10-TACOMAR2ACFB	AC Cabinet Including R2 Radio, Panel, CUBE Flasher, #2 Lock 4.5" Flare Mount 14"x16"x10"	$ 2,018.00
PNS10-TACOMAR2AC	AC Cabinet Including R2 Radio, Panel, CUBE Flasher, #2 Lock 4.5" Ubolt Mount 14"x16"x10"	$ 2,018.00
PNS10-TACOMAM2MACFB	AC Cabinet Including M2M Modem, Panel, CUBE Flasher, #2 Lock 4.5" Flare Mount 14"x16"x10"	$ 2,444.00
PNS10-TACOMAM2MAC	AC Cabinet Including M2M Modem, Panel, CUBE Flasher, #2 Lock 4.5" Ubolt Mount 14"x16"x10"	$ 2,444.00
PNS10-TACOMAM2MDCFB	DC Cabinet Including M2M Modem, Panel, CUBE Flasher, #2 Lock 4.5" Flare Mount 14"x16"x10"	$ 4,117.00
PNS10-TACOMAM2MDC	DC Cabinet Including M2M Modem, Panel, CUBE Flasher, #2 Lock 4.5" Ubolt Mount 14"x16"x10"	$ 4,109.00
	TXDOT Approved Cabinets	
	Remember to add TXDOT AP22 time switch if you select TXDOT Cabinet Panel	
PNS10-TXDCSZ	TXDOT One Battery Cabinet Including Panel No. 2 lock, Regulator and Flared Bracket Mount	$ 972.00
PNS10-TXDC2BATT	TXDOT Two Battery Cabinet Including Panel No. 2 lock, Regulator and Flared Bracket Mount	$ 1,312.00
PNS10-RTCAC	TXDOT AC Cabinet Including Panel, NEMA Flasher, #2 Lock Flared Bracket Mount	$ 638.00
0	Enter $ amt. for Custom Cabinet If Applicable	
	If you want a BLACK Cabinet & Mount Enter Y and enter quantity below in Powder Coating	
	If you want a BLACK Pole Assembly Enter Y and enter quantity below in Powder Coating	
PNS10-Cab Black	Powder Coat Cabinet & Mounting Bracket Black	$ 90.00
	Special Colors are available but take longer. Call for prices.	
	Regular Solar Panels	
	Includes 4.5" OD Pole Mount Hardware	
PNS10-SP20	20 Watt Solar Panel Assy incl Side Pole Mount and Wiring	$ 308.00
PNS10-SP30	30 Watt Solar Panel Assy incl Side Pole Mount and Wiring	$ 397.00
PNS10-SP40	40 Watt Solar Panel Assy incl Side Pole Mount and Wiring	$ 406.00
PNS10-SP50	50 Watt Solar Panel Assy incl Side Pole Mount and Wiring	$ 438.00
PNS10-SP65	65 Watt Solar Panel Assy incl Top of Pole Mount and Wiring	$ 524.00
PNS10-SP85	85 Watt Solar Panel Assy incl Top of Pole Mount and Wiring	$ 642.00
PNS10-SP100	100 Watt Solar Panel Assy incl Top of Pole Mount and Wiring	$ 710.00
PNS10-SP130	130 Watt Solar Panel Assy incl Top of Pole Mount and Wiring	$ 801.00
PNS10-SP150	150 Watt Solar Panel Assy incl Top of Pole Mount and Wiring	$ 1,044.00
	If you want to mount Panel to the shaft or Mast Arm of a Signal Pole enter Y	
PNS10-503371IRS2	Side of Pole mount cost for 85 - 150 W Panel	$ 360.00
PNS10-503371IR	Iron Ridge 110 MPH Wind rated Mount	$ 315.00
	Batteries	
PNS10-506484-18	22 (was 18) Amp Hour Gel Cell Battery	$ 138.00
PNS10-500645-36	36 Amp Hour Gel Cell Battery Interstate	$ 182.00
PNS10-500645-53	53 Amp Hour Gel Cell Battery Interstate	$ 264.00
PNS10-500645-104	104 Amp Hour Gel Cell Battery Interstate	$ 416.00
PNS10-500645AGMI	110 Amp Hour AGM Battery Interstate	$ 416.00
	Pole Assemblies (includes Base, Collar, Anchor Bolts and Grounding Lug)	
PNS10-POLE15SPALASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts	$ 571.00
PNS10-POLE15SSASSY	15' Stainless Steel Pole, Base and Collar and Anchor Bolts	$ 601.00
PNS10-POLE15BLKASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts Powdercoated Black	$ 638.00

PNS10-Pole12	12' Spun Aluminum Pole, Base and Collar Anchor Bolts	$ 517.00
PNS10-POLE20SPALASSY	20' Spun Aluminum Pole, Base and Collar and Anchor Bolts	$ 668.00
PNS10-	**If you want to use a Screw-In Anchor instead of Anchor Bolts select an Anchor**	$ 35.00
PNS10-501312SA4	4" Anchor Pelco PB-5364	$ 298.00
PNS10-501312SA8	8" Anchor Pelco PB-5375	$ 516.00
	12" Signals (Includes Visor, closure kit and Ubolt mounting hdwre)	
PNS10-SIGPY	12" Signal Heads Poly Yellow (1, 2 or 3 per flasher)	$ 144.00
PNS10-SIGPB	12" Signal Heads Poly Black (1,2 or 3 per flasher)	$ 144.00
PNS10-SIGAY	12" Signal Heads Aluminum Yellow (1, 2 or 3 per Flasher)	$ 152.00
PNS10-SIGAB	12" Signal Heads Aluminum Black (1, 2 or 3 per flasher)	$ 152.00
	If you want to use a Side by Side Mounting instead of Top and Bottom enter Y	
	12" LED's	
PNS10-502463	12" Amber DC 5 Watt LED IL (RTC Standard) (1, 2 or 3 per flasher)	$ 68.00
PNS10-PNS-82-TSL12YLX	12" Amber AC LED IL (1, 2 or 3 per flasher)	$ 68.00
PNS10-502463-8W-Red	12" Red DC 8 Watt LED IL	$ 85.00
	8" Signals & LEDs, Includes Visor, closure Kit and Ubolt Mount	
PNS10-SIG8PY	8" Signal Heads Poly Yellow	$ 116.00
PNS10-SIG8AY	8" Signal Heads Aluminum Yellow	$ 138.00
PNS10-502463-8L	8" Amber 5 Watt DC LED IL	$ 77.00
PNS10-506493	8" Amber AC LED	$ 77.00
	Static Signs (Includes Ubolt Mounting Hdwre, Banding on request)	
PNS10-S1S5-1-MPH?	S5-1 Speed Limit Sign High Vis Florescent Green (24"x48")	$ 183.00
PNS10-501510	S5-1 Speed Limit Sign Engineer Grade Std Yellow (24"x48")	$ 183.00
PNS10-501511VDOT	S5-1 Speed Limit Sign High Vis Florescent Green (30"x60")	$ 283.00
	What Speed Limit do you want on the sign?	MPH?
	If You prefer Specific Times instead of While Flashing, enter a Y and the times needed below	
Am	Pm	
7:45 - 8:45	3:15 - 4:00	
PNS10-S1S7-1TK	Cell Phone Prohibited Sign (24"x18")	$ 86.00
PNS10-S1S1-1-LGK	S1-1 School Pedestrian Sign Left WITHOUT Lines (36"x36") HV Green	$ 222.00
PNS10-S1S1-1-RGK	S1-1 School Pedestrian Sign Right WITHOUT Lines (36"x36") HV Green	$ 222.00
PNS10-S1S2-1-LGK	S2-1 School Pedestrian Sign Left WITH Lines (36"x36") HV Green	$ 222.00
PNS10-S1S2-1-RGK	S2-1 School Pedestrian Sign Right WITH Lines (36"x36") HV Green	$ 222.00
PNS10-S1S4-3P-K	S4-3P "School" Sign HV Green (10"x24")	$ 62.00
PNS10-S1S4-4PK	S4-4P "When Flashing" Sign HV Black/White (10"x24")	$ 62.00
PNS10-S1W11-15K	W11-15 "Ped/Bicycle Crossing" Sign HV Green (30"x30")	$ 147.00
PNS10-S1S5-2K	S5-2 "End School Zone" Sign Black/White (24"x30")	$ 121.00
PNS10-S1W16-7P24-GK	W16-7P Arrow Pointing Left to Crossing Sign (24"x12") HV Green	$ 79.00
PNS10-S1W16-7P24-RGK	W16-7P Arrow Pointing Right to Crossing Sign (24"x12") HV Green	$ 79.00
PNS10-S1W16-7P-GK	W16-7P Arrow Pointing Left to Crossing Sign (30"x18") HV Green	$ 117.00
PNS10-S1W16-7PR-GK	W16-7P Arrow Pointing Right to Crossing Sign (30"x18") HV Green	$ 117.00
PNS10-S1W16-9P-GK	W16-9P "Ahead" Sign (30"x18") HV Green	$ 116.00
PNS10-502309	Sign Brackets ONLY (Signs come with Brackets)	$ 26.00
	Edge Light School Zone Signs (Sign Only to add to existing battery cabinet installation)	
PNS10-S1ELASSY	This line adds a Cabinet (Including Configurable Dimming and Configurable Flash Patterns),20W Solar Panel, 22Ah Battery to ANY Edgelight© sign. Note: with one battery cabinet you can add an AP22 Time Switch, Guardian© and M2M communication to any sign from School Flasher Section. Pole Assembly also not included.	$ 814.00

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PNS10-S1ELS5-1-15	S5-1 Speed Limit Edge Light Sign 15MPH (High Vis Florescent Green 24"x48", 12 LED's)	$ 1,050.00
	If not 15 MPH, What Speed do you want on the sign?	
	If You prefer Specific Times instead of When Flashing, enter a Y and the times needed below	
Am	Pm	
7:45 - 8:45	3:15 - 4:00	
PNS10-S1S1-1-LGK30K	S1-1 Edge Light School Pedestrian Sign Left WITHOUT Lines (30"x30")	$ 1,045.00
PNS10-S1ELS1-1-RGK30K	S1-1 Edge Light School Pedestrian Sign Right WITHOUT Lines (30"x30")	$ 1,045.00
PNS10-S1ELS1-1-LGK	S1-1 Edge Light School Pedestrian Sign Left WITHOUT Lines (36"x36")	$ 1,082.00
PNS10-S1ELS1-1-RGK	S1-1 Edge Light School Pedestrian Sign Right WITHOUT Lines (36"x36")	$ 1,082.00
PNS10-S1ELS2-1-LGK	S1-1 Edge Light School Pedestrian Sign Left WITH Lines (36"x36")	$ 1,082.00
PNS10-S1ELS2-1-RGK	S1-1 Edge Light School Pedestrian Sign Right WITH Lines (36"x36")	$ 1,082.00
PNS10-S1ELW16-7P24-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (24"x12")	$ 972.00
PNS10-S1ELW16-7P24-RGK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (24"x12")	$ 972.00
PNS10-S1ELW16-7P-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (30"x18")	$ 1,010.00
PNS10-S1ELW16-7PR-GK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (30"x18")	$ 1,010.00
PNS10-S1ELW16-9P-GK	W16-9P Edge Light "Ahead" Sign (30"x18")	$ 1,010.00
PNS10-S1ELS7-1TK	Edge Light Cell Phone Prohibited Sign (24"x18")	$ 766.00
	Time Switches	
PNS10-503644	AP22 Time Switch W/ Harness	$ 452.00
PNS10-503644TX	TXDOT/ELTEC Replacement AP22 Time Switch W/ Harness	$ 452.00
PNS10-503644B	AP22 Time Switch Without Harness	$ 430.00
PNS10-503644BTX	TXDOT/ELTEC Replacement AP22 Time Switch W/O Harness	$ 430.00
PNS10-501614	AP21 Time Switch W/ Harness	$ 338.00
PNS10-501614B	AP21 Time Switch W/O Harness	$ 320.00
PNS10-503602-D-KITDC	CPR 2102 with Pager W/ Harness (DC Cabinet mount)	$ 699.00
PNS10-503602-D-KITAC	CPR 2102 with Pager W/ Harness (AC Cabinet mount)	$ 699.00
PNS10-503645X	CPR 2102 without Pager W/O Harness for M2M Systems	$ 452.00
PNS10-503645XP	CPR 2102 without Pager W/O Harness for Radio Systems	$ 452.00
PNS10-501628	ADD a CPR 2102 TXDOT/ELTEC Replacement Wiring Harness	$ 36.00
PNS10-503518	ADD a CPR 2102 Replacement Wiring Harness	$ 36.00
	RTC Time Switch M2M Upgrade Program	
PNS10-AP22 UPGR	AP22 Upgrade (Board Replacement) includes 5 Yr Warranty	$ 250.00
PNS10-AP22 UPGR	AP22 Upgrade (NO Board Replacement)	$ 135.00
PNS10-CPR UPGR	CPR 2102 Upgrade Years 1-5 (Board Replacement) 5 Yr Warranty	$ 250.00
PNS10-CPR UPGR	CPR 2102 Upgrade Years 1-5 (NO Board Replacement)	$ 135.00
PNS10-CPR UPGR10YR	CPR 2102 Upgrade Year 6 and up (Board Replacement)	$ 322.00
	Guardian Flasher Monitoring System	
PNS10-Guard	DC Guardian Board with Complete 3 way Wiring Harness only (use to replace existing FCB Board and only if there is an existing functional 6 terminal regulator)	$ 382.00
PNS10-Guard1	DC Guardian Board with Complete 3 way Wiring Harness mounted on small panel (use if there is an existing functional 6 terminal regulator)	$ 404.00
PNS10-GuardTX	DC Guardian Board with Complete 3 way TXDOT Wiring Harness and Large Panel, includes a new 20A regulator	$ 495.00
PNS10-Guard2	DC Guardian Board with Complete 3 way Wiring Harness and Large Panel, includes a new 20A regulator	$ 495.00
PNS10-GuardAC1	AC Guardian (Blue Enclosure) with Complete 2 way Wiring Harness (to be wired into panel with existing NEMA Flasher)	$ 434.00
PNS10-GuardCAR	Guardian Board to monitor a Carmanah Flasher	$ 450.00
PNS10-507403S	Optional Door Switch for DC Guardian	$ 30.00
PNS10-507403SC	Optional Door Switch for AC Guardian	$ 30.00
PNS10-507403H2	DC Guardian Complete 3 Way Harness	$ 29.00
PNS10-507403HAC	AC Guardian Complete 3 Way Harness	$ 68.00
	M2M Systems	
PNS10-M2M5YR-4K	Five Year Plan With Modem, RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage, Cell Service, Cable, Mount and Antenna	$ 1,300.00

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PNS10-M2M3YR-4K	Three Year Plan With Modem, RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage, Cell Service, Cable, Mount and Antenna	$ 1,100.00
PNS10-M2M1YR-4K	One Year Plan With Modem, RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage, Cell Service, Cable, Mount and Antenna	$ 900.00
PNS10-M2M5YR-RE	Five Year RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage and Cell Service Plan Only	$ 720.00
PNS10-M2M3YR-RE	Three Year RTC Connect ™ Software, Premium "Always up" Cloud Based Data Storage Data and Cell Service Plan Only	$ 540.00
PNS10-M2M1YR-RE	One Year RTC Connect ™ Software, Premium "Always up" Cloud Based Data Storage Data and Cell Service Plan Only	$ 241.00
PNS10-M2M1MONTH-RE	One MONTH Adder to renewal plan to match existing service ONLY	$ 16.00
PNS10-CANADA	Canadian Plans Per Year Adder	$ 25.00
PNS10-503644	Include an AP22 with ANY Modem and Plan	$ 387.00
PNS10-503644TX	Include a TXDOT AP22 with ANY Modem and Plan	$ 387.00
PNS10-M2M4WA	Modem With Cable, Mount and Paddle Antenna	$ 716.00
PNS10-M2MTSC	TSC Modem With Cable, Slide on Bracket, Antenna (Include SIM card, plan billed directly to customer)	$ 625.00
PNS10-M2M4WOA	Modem With Cable, Mount but no Antenna	$ 625.00
PNS10-M2MOBSWAR	Modem Obsolescence Warranty (ONLY for Use with 5 yr plan Renewals)	$ 325.00
PNS10-M2MYagi	7-10 Db M2M Yagi Antenna with 15' Lead and 20" Offset Mounting Bracket	$ 333.00
PNS10-506473	7-10 Db M2M Omni Puck Antenna with 3' Lead and Mounting Bracket	$ 125.00
PNS10-506473MT	Internal Paddle Antenna	$ 48.00
PNS10-M2MYCBL	M2M and E2 Y Programming Cable	$ 36.00
PNS10-506475M2	Modem Cable for 3G or 4G modem	$ 34.00
PNS10-M2MWRTY3	Additional 3 Year Warranty on Modem to get to 5 year total Warranty	$ 176.00
	Central R2 Radio System	
PNS10-R2Master	Master 900 MHz Radio with Mounted 6dB OMNI Antenna & 50' Lead w/ Suppressor	$ 891.00
PNS10-R2Remote	Remote 900 MHz with Mounted 10dB Yaggi Antenna & 25' Lead	$ 874.00
PNS10-503649FACSA	AC Repeater Station (CPR2102 Time Switch, Cabinet, MH Repeater Radio, 5dB Omni Antenna, 50' Lead)	$ 1,353.00
PNS10-503649FSA	DC Repeater Station (CPR 2102 Time Switch, Cabinet, Solar Panel, Battery, MH Repeater Radio, 5dB Omni Antenna, 50' Lead)	$ 2,521.00
PNS10-503647DSA	Replacement Master Radio with Power Supply (No Antenna Included)	$ 641.00
PNS10-503648DM	Replacement Master Radio without Power Supply (No Antenna Included)	$ 602.00
PNS10-503648DSA	Replacement Remote Radio without Power Supply (No Antenna Included)	$ 602.00
	If either Replacement Radio is a Repeater please enter a Y	
PNS10-R2ESR2	ESR 902 Serial Port Server & Cables to connect existing radio to network	$ 779.00
PNS10-501676FM	Master Radio and ESR 902 Ethernet Switch and Cables	$ 1,834.00
	This LAN assembly comes with a 50 ft. antenna lead. If you need more (or less) cable, please call RTC at (800) 782-8721 for pricing.	
	Mobile R2	
PNS10-503646B	Two Way Mobile Radio for Vehicle w/5Db Antenna, Power Cord and Serial Cable	$ 858.00
PNS10-R2Remote	Remote 900 MHz with Mounted 10dB Yaggi Antenna & 25' Lead	$ 874.00
	E2 Ethernet Switch	
PNS10-503486	E2 Ethernet Switch Converter	$ 259.00
PNS10-503486YC	E2 Y programming Cable	$ 17.00
	Central R1 (MDS) Radio System (Existing Customers Only)	
PNS10-503646KIT	Master MDS 900 MHz Radio with Mounted 5dB OMNI Antenna & 50' Lead w/ Suppressor	$ 1,083.00
PNS10-503648CKIT	Remote MDS 900 MHz Radio with Mounted 10dB Yagi Antenna & 25' Lead w/ Suppressor	$ 1,083.00
PNS10-503646	Replacement Master Radio with Adapter for CPR 2102 Power Supply (No Antenna Included)	$ 885.00
PNS10-505402	Replacement Master Radio without Power Supply or cable (No Antenna Included)	$ 885.00
PNS10-503648C	Replacement Remote Radio without Power Supply (for AP22 or CPR2102 Antenna Included)	$ 976.00

PNS10-503645LV	CPR2102 with Remote MDS 900 MHz Radio with Mounted 5dB Omni Antenna and 50' Lead/ suppressor for Las Vegas Nevada	$ 1,323.00
PNS10-503645E	CPR2102 with Remote MDS 900 MHz Radio with Mounted 5dB Omni Antenna and 50' Lead/ suppressor for Clark County	$ 1,323.00
	If either Replacement Radio is a Repeater please enter a Y	
PNS10-501676F	Master MDS Radio and ESR 902 Ethernet Switch and Cables	$ 2,041.00
	This LAN assembly comes with a 50 ft. antenna lead. If you need more (or less) cable, please call RTC at (800) 782-8721 for pricing.	
	RTC Driver Feedback Signs	
	Power Timing and Commuincation Options	
PNS10-DFS-AC11	11" A/C Basic Driver Feedback Sign to tie into existing A/C Cabinet (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$ 2,370.00
PNS10-DFS-AC11P	11" A/C "Stand Alone" Basic Driver Feedback Sign (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$ 2,542.00
PNS10-DFS-DC11	11" D/C Basic Driver Feedback Sign to tie into existing D/C Power (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$ 2,319.00
PNS10-DFS-DC11P	11" D/C "Stand Alone" Basic Driver Feedback Sign includes (2) 22 Ah Batteries and 20 Watt Solar Panel (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$ 2,765.00
PNS10-DFS-AC12	12" A/C Stand Alone Basic Driver Feedback Sign (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$ 2,230.00
PNS10-DFS-DC12	12" D/C Stand Alone Basic Driver Feedback Sign to tie into existing D/C Power (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$ 2,179.00
PNS10-DFS-DC12P	12" D/C Stand Alone Basic Driver Feedback Sign includes (2) 22 Ah Batteries and 20 Watt Solar Panel (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$ 2,807.00
PNS10-DFS-AC15	15" A/C Stand Alone Basic Driver Feedback Sign (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$ 2,813.00
PNS10-DFS-DC15	15" D/C Stand Alone Basic Driver Feedback Sign to tie into existing D/C Power (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$ 2,763.00
PNS10-DFS-DC15P	15" D/C Stand Alone Basic Driver Feedback Sign includes (2) 22 Ah Batteries and 20 Watt Solar Panel (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$ 3,389.00
PNS10-503644B	Add AP22 Time Switch to any Driver Feedback sign	$ 430.00
PNS10-507413	If you add a Commuication Plan below also add a gateway board	$ 59.00
PNS10-M2M5YR-4K	Add Five Year Communicaion Plan With Modem, RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage, Cell Service, Cable, Mount and Antenna	$ 1,300.00
PNS10-M2M3YR-4K	Add Three Year Communicaion Plan With Modem, RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage, Cell Service, Cable, Mount and Antenna	$ 1,100.00
PNS10-M2M1YR-4K	Add One Year Communicaion Plan With Modem, RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage, Cell Service, Cable, Mount and Antenna	$ 900.00
PNS10-Guard	Add D/C Guardian Board with wiring harness only (use only if there is an existing functional 6 terminal regulator)	$ 382.00
PNS10-SUB40W	Substitute 40 Watt for 20 Watt Solar Panel	$ 98.00
PNS10-ADD22AH	Add 2 more 22Ah Gel cell Batteries	$ 155.00
	RTC Edgelight© Signs	
PNS10-S1ELASSY	This line adds a Cabinet (Including Configurable Dimming and Configurable Flash Patterns),20W Solar Panel, 22Ah Battery to ANY Edgelight© sign. Note: with one battery cabinet you can add an AP22 Time Switch, Guardian© and M2M communication to any sign from School Flasher Section. Pole Assembly also not included.	$ 814.00

	Edge Light School Zone Signs (Sign Only to add to regular or existing battery cabinet installation) Ubolt Mounting Hdwre included, Banding available on request	
PNS10-S1ELS5-1-15	S5-1 Speed Limit Edge Light Sign 15MPH (High Vis Florescent Green 24"x48", 12 LED's)	$ 1,050.00
	If not 15 MPH, What Speed do you want on the sign?	MPH?
PNS10-S1S1-1-LGK30K	S1-1 Edge Light School Pedestrian Sign Left WITHOUT Lines (30"x30")	$ 1,045.00
PNS10-S1ELS1-1-RGK30K	S1-1 Edge Light School Pedestrian Sign Right WITHOUT Lines (30"x30")	$ 1,045.00
PNS10-S1ELS1-1-LGK	S1-1 Edge Light School Pedestrian Sign Left WITHOUT Lines (36"x36")	$ 1,082.00
PNS10-S1ELS1-1-RGK	S1-1 Edge Light School Pedestrian Sign Right WITHOUT Lines (36"x36")	$ 1,082.00
PNS10-S1ELS2-1-LGK	S1-1 Edge Light School Pedestrian Sign Left WITH Lines (36"x36")	$ 1,082.00
PNS10-S1ELS2-1-RGK	S1-1 Edge Light School Pedestrian Sign Right WITH Lines (36"x36")	$ 1,082.00
PNS10-S1ELW16-7P24-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (24"x12")	$ 972.00
PNS10-S1ELW16-7P24-RGK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (24"x12")	$ 972.00
PNS10-S1ELW16-7P-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (30"x18")	$ 1,010.00
PNS10-S1ELW16-7PR-GK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (30"x18")	$ 1,010.00
PNS10-S1ELW16-9P-GK	W16-9P Edge Light "Ahead" Sign (30"x18")	$ 1,010.00
PNS10-S1ELS7-1TK	Edge Light Cell Phone Prohibited Sign (24"x18")	$ 766.00
	Edge Light Stop Signs (Edge Light Sign Only to add to regular or existing battery cabinet installation) Ubolt Mounting Hdwre included, Banding available on request	
PNS10-ELR1-1 30K	R1-1 Stop Edge Light Sign (30"x30", 8 LED's)	$ 1,041.00
PNS10-ELR1-1 36K	R1-1 Stop Edge Light Sign (36"x36", 8 LED's)	$ 1,067.00
PNS10-ELR1-1 48K	R1-1 Stop Edge Light Sign (48"x48", 8 LED's)	$ 1,117.00
	Edge Light Pedestrian Crossing Signs (Edge Light Sign Only to add to regular or existing battery cabinet installation)	
PNS10-ELW11-2-36K	W11-2 Edge Light Pedestrian Sign Walking Left HV Green, No Lines (36"x36")	$ 1,101.00
PNS10-ELW11-2R-36K	W11-2 Edge Light Pedestrian Sign Walking Right HV Green, No Lines (36"x36")	$ 1,101.00
PNS10-ELW11-2K	W11-2 Edge Light Pedestrian Sign Walking Left HV Green, No Lines (30"x30")	$ 1,065.00
PNS10-ELW11-2RK	W11-2 Edge Light Pedestrian Sign Walking Right HV Green, No Lines (30"x30")	$ 1,065.00
PNS10-S1ELW16-7P24-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (24"x12")	$ 972.00
PNS10-S1ELW16-7P24-RGK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (24"x12")	$ 972.00
PNS10-S1ELW16-7P-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (30"x18")	$ 1,010.00
PNS10-S1ELW16-7PR-GK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (30"x18")	$ 1,010.00
PNS10-S1ELW16-9P-GK	W16-9P Edge Light "Ahead" Sign (30"x18")	$ 1,010.00
	Edge Light Other Signs (Specify MUTCD Sign or ANY Other Sign)	
	Describe Sign Here (Include MUTCD Code if known and Size)	
	RTC Fire Station Warning Systems	

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	Includes Cabinet, Push to Activate Sign, Fire Station Text and Truck Icon Sign, 20W Solar Panel and 53 Ah Battery for Solar Options	
	Add Poles, Pole Anchors, Signal Heads, Other Signs, LED's or RRFB's if Required	
	If you want to mount Cabinet to the shaft of a Signal Pole enter Y	
	Activation Cabinet Options	
PNS10-600001MC	Fire Station Warning System Facility and Remote Activated (for use with Light Duty Handheld Device, Not Included)	$ 2,688.00
PNS10-600001E	Opticom© Activated Transmission and Opticom© Receiving (Does not include GTT Opticom phase selector or detector or cable)	$ 2,831.00
PNS10-600001RT	Radio Activated Transmission and Opticom© Receiving (Does not include GTT Opticom phase selector or detector or cable) Includes upgrade to 40 W Solar Panel	$ 3,017.00
	Receiving Cabinet Options	
PNS10-600002R	DC Fire Station Receiving Cabinet From Facility or Light Duty Remote (20 Watt Solar Panel and 53 AH Battery)	$ 2,478.00
PNS10-600007R	AC Fire Station Receiving Cabinet From Facility or Light Duty Remote (Part # 502507HH)	$ 1,951.00
PNS10-502547MC	Light Duty Vehicle Remote Control	$ 99.00
	Pole Assemblies (includes Base, Collar, Anchor Bolts and Grounding Lug)	
PNS10-POLE15SPALASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts	$ 571.00
PNS10-POLE15BLKASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts Powdercoated Black	$ 638.00
PNS10-	**If you want to use a Screw-In Anchor instead of Anchor Bolts select an Anchor**	$ 35.00
PNS10-501312SA4	4" Anchor Pelco PB-5364	$ 298.00
PNS10-501312SA8	8" Anchor Pelco PB-5375	$ 516.00
	12" Signals (Includes Visor, closure kit and Ubolt mounting hdwre)	
PNS10-SIGPY	12" Signal Heads Poly Yellow (1, 2 or 3 per flasher)	$ 144.00
PNS10-SIGPB	12" Signal Heads Poly Black (1,2 or 3 per flasher)	$ 144.00
PNS10-SIGAY	12" Signal Heads Aluminum Yellow (1, 2 or 3 per Flasher)	$ 152.00
PNS10-SIGAB	12" Signal Heads Aluminum Black (1, 2 or 3 per flasher)	$ 152.00
PNS10-	**If you want to use a Side by Side Mounting instead of Top and Bottom enter Y**	
	12" LED's	
PNS10-502463	12" Amber DC 5 Watt LED IL (RTC Standard) (1, 2 or 3 per flasher)	$ 68.00
PNS10-PNS-82-TSL12YLX	12" Amber AC LED IL (1, 2 or 3 per flasher)	$ 68.00
0	Change Solar and Battery Sizing	$ -
PNS10-SUB30W	Substitute 30 Watt for 20 Watt Solar Panel	$ 88.00
PNS10-SUB40W	Substitute 40 Watt for 20 Watt Solar Panel	$ 98.00
PNS10-SUB50W	Substitute 50 Watt for 20 Watt Solar Panel	$ 130.00
PNS10-SUB65W	Substitute 65 Watt for 20 Watt Solar Panel	$ 216.00
PNS10-SUB85W	Substitute 85 Watt for 20 Watt Solar Panel	$ 334.00
PNS10-SUB100W	Substitute 100 Watt for 20 Watt Solar Panel	$ 402.00
PNS10-SUB130W	Substitute 130 Watt for 20 Watt Solar Panel	$ 493.00
PNS10-SUB150W	Substitute 150 Watt for 20 Watt Solar Panel	$ 736.00
PNS10-SUB104A	Substitute 104Ah for 53Ah Battery	$ 152.00
	RTC Pedestrian Crossing Systems	
	Includes Cabinet, "Push to Activate" Sign, 40 Watt Solar Panel and 53 Ah Battery for Solar Stations	
	Add Poles, Pole Anchors, Signal Heads, LED's or RRFB's or Other Signs if Required	
	If you want to mount Cabinet to the shaft of a Signal Pole enter Y	
PNS10-600008ID	DC Pedestrian Crossing W/ Polara Model X APS Bluetooth Pushbutton	$ 2,388.00
PNS10-600008M	DC Pedestrian Crossing Master W/ Pushbutton (1 -2 Remotes)	$ 2,388.00

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PNS10-600008MA	DC Pedestrian Crossing Master W/ Pushbutton (3 -6 Remotes)	$ 2,652.00
PNS10-600008R	DC Pedestrian Crossing Remote W/ Pushbutton	$ 2,388.00
PNS10-FlashCube-M	DC Flash Cube ™ Pedestrian Crossing Master W/ Pushbutton (Includes One Flashing beacon)	$ 1,968.00
PNS10-FlashCube-R	DC Flash Cube ™ Pedestrian Crossing Remote W/ Pushbutton (Includes one flashing Beacon)	$ 1,968.00
PNS10-600005M	AC Pedestrian Crossing Master W/ Pushbutton (1-2 Remotes)	$ 1,892.00
PNS10-600005MA	AC Pedestrian Crossing Master W/ Pushbutton (3 or more remotes)	$ 2,155.00
PNS10-600004R	AC Pedestrian Crossing Remote W/ Pushbutton	$ 1,892.00
PNS10-50643062	Gateway Radio for Ped Crossing	$ 451.00
PNS10-506430N2	Node Radio for Ped Crossing	$ 451.00
PNS10-Cube2	Add a Second LED, Signal, Visor and Mount to FlashCube	$ 378.00
PNS10-Cube3	Add a Third Confirmation LED, Signal, Visor and Mount	$ 378.00
	Change Solar and Battery Sizing	
PNS10-SUB20W	Substitute 20 Watt for 40 Watt Solar Panel	$ (97.00)
PNS10-SUB30W	Substitute 30 Watt for 40 Watt Solar Panel	$ (9.00)
PNS10-SUB50W	Substitute 50 Watt for 40 Watt Solar Panel	$ 33.00
PNS10-SUB65W	Substitute 65 Watt for 40 Watt Solar Panel	$ 118.00
PNS10-SUB85W	Substitute 85 Watt for 40 Watt Solar Panel	$ 237.00
PNS10-SUB100W	Substitute 100 Watt for 40 Watt Solar Panel	$ 304.00
PNS10-SUB130W	Substitute 130 Watt for 40 Watt Solar Panel	$ 395.00
PNS10-SUB150W	Substitute 150 Watt for 40 Watt Solar Panel	$ 638.00
PNS10-SUB104A	Substitute 104Ah for 53Ah Battery	$ 152.00
PNS10-SUBAPS	Substitute a Yellow Model X APS pushbutton for Bulldog Including Changing Control Panel (Add One for each Master and One for each Remote)	$ 619.00
PNS10-	Remove Push button from Assembly	$ (196.00)
PNS10-	Add a Second Pushbutton	$ 196.00
PNS10-503499S	Polara 9X12 Push to Activate Sign	$ 35.00
PNS10-APS MSG	Special Message Fee	$ 40.00
	Signs for Ped Crossings (Includes U-Bolt Mounting)	
PNS10-S1W11-2-G-36K	W11-2 Pedestrian Sign Walking Left HV Green No Lines (36"x36")	$ 226.00
PNS10-S1W11-2R-G-36K	W11-2 Pedestrian Sign Walking Right HV Green No Lines (36"x36")	$ 226.00
PNS10-S1W11-2K	W11-2 Pedestrian Sign Walking Left HV Green No Lines (30"x30")	$ 178.00
PNS10-S1W11-2RK	W11-2 Pedestrian Sign Walking Right HV Green No Lines (30"x30")	$ 178.00
PNS10-5003357AT	Bolt Kit for Back to Back Edge Light Signs or Back to Back RRFB's	$ 18.00
PNS10-S1S2-1-LGK	S2-1 School Pedestrian Sign Left WITH Lines (36"x36") HV Green	$ 222.00
PNS10-S1S2-1-RGK	S2-1 School Pedestrian Sign Right WITH Lines (36"x36") HV Green	$ 222.00
PNS10-S1W16-7P24-GK	W16-7P Arrow Pointing Left to Crossing Sign (24"x12") HV Green	$ 79.00
PNS10-S1W16-7P24-RGK	W16-7P Arrow Pointing Right to Crossing Sign (24"x12") HV Green	$ 79.00
PNS10-S1W16-9P-GK	W16-9P "Ahead" Sign (30"x18") HV Green	$ 116.00
	Edge Light Pedestrian Crossing Signs (Edge Light Sign Only to add to existing battery cabinet installation)	
PNS10-ELW11-2K	W11-2 Edge Light Pedestrian Sign Walking Left HV Green, No Lines (30"x30")	$ 1,065.00
PNS10-ELW11-2RK	W11-2 Edge Light Pedestrian Sign Walking Right HV Green, No Lines (30"x30")	$ 1,065.00
PNS10-ELW11-2-36K	W11-2 Edge Light Pedestrian Sign Walking Left HV Green, No Lines (36"x36")	$ 1,101.00
PNS10-ELW11-2R-36K	W11-2 Edge Light Pedestrian Sign Walking Right HV Green, No Lines (36"x36")	$ 1,101.00
PNS10-S1ELW16-7P24-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (24"x12")	$ 972.00
PNS10-S1ELW16-7P24-RGK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (24"x12")	$ 972.00
PNS10-S1ELW16-7P-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (30"x18")	$ 1,010.00
PNS10-S1ELW16-7PR-GK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (30"x18")	$ 1,010.00
PNS10-S1ELW16-9P-GK	W16-9P Edge Light "Ahead" Sign (30"x18")	$ 1,010.00

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PNS10-S1ELASSY	This line adds a Cabinet (Including Configurable Dimming and Configurable Flash Patterns),20W Solar Panel, 22Ah Battery to ANY Edgelight© sign. Note: with one battery cabinet you can add an AP22 Time Switch, Guardian© and M2M communication to any sign from School Flasher Section. Pole Assembly also not included.	$ 814.00
	RRFB's in Black Aluminum (Ubolt Mounting Hdwre, Banding Available on request)	
	If you want to change the color to Yellow enter Y	
PNS10-503661D	Single Solar RRFB (No Confirmation Light) (Ubolt Mount)	$ 705.00
PNS10-503661DB	Single Solar RRFB (No Confirmation Light) (Banding Mount)	$ 672.00
PNS10-503661D2	Back to Back Solar RRFBs (No Confirmation Light) (Ubolt Mount)	$ 1,326.00
PNS10-503661DC	Single Solar RRFB W/ Confirmation Light (Ubolt Mount)	$ 790.00
PNS10-503661DCB	Single Solar RRFB W/ Confirmation Light (Banding Mount)	$ 758.00
PNS10-503661DCC	Single Solar RRFB W/ Two Confirmation Lights (Ubolt Mount)	$ 874.00
PNS10-503661DCCB	Single Solar RRFB W/ Two Confirmation Lights (Banding Mount)	$ 842.00
PNS10-503661DC2	Back to Back Solar RRFBs W/ One Confirmation Light (Ubolt Mount)	$ 1,485.00
PNS10-503661DC2B	Back to Back Solar RRFBs W/ One Confirmation Light (Banding Mount)	$ 1,430.00
PNS10-503661DC3	Back to Back Solar RRFBs W/ Two Confirmation Lights (Ubolt Mount)	$ 1,570.00
PNS10-503661DCC2	Back to Back Solar RRFBs W/ Four Confirmation Lights (UBolt Mount)	$ 1,729.00
PNS10-503661A	Single AC RRFB (No Confirmation Light) (Ubolt Mount)	$ 775.00
PNS10-503661AB	Single AC RRFB (No Confirmation Light) (Banding Mount)	$ 742.00
PNS10-503661A2	Back to Back AC RRFBs (No Confirmation Light) (Ubolt Mount)	$ 1,542.00
PNS10-503661AC	Single AC RRFB W/ Confirmation Light (Ubolt Mount)	$ 861.00
PNS10-503661ACB	Single AC RRFB W/ Confirmation Light (Banding Mount)	$ 829.00
PNS10-503661ACC	Single AC RRFB W/ two Confirmation Light (Ubolt Mount)	$ 946.00
PNS10-503661ACCB	Single AC RRFB W/ two Confirmation Light (Banding Mount)	$ 914.00
PNS10-503661AC2	Back to Back AC RRFBs W/ One Confirmation Light (Ubolt Mount)	$ 1,616.00
PNS10-503661AC2B	Back to Back AC RRFBs W/ One Confirmation Light (Banding Mount)	$ 1,561.00
PNS10-SUB30W	Substitute 30 Watt for 20 Watt Solar Panel	$ (9.00)
PNS10-SUB40W	Substitute 40 Watt for 20 Watt Solar Panel	$ (97.00)
PNS10-SUB50W	Substitute 50 Watt for 20 Watt Solar Panel	$ 31.00
PNS10-SUB65W	Substitute 65 Watt for 20 Watt Solar Panel	$ 118.00
PNS10-SUB85W	Substitute 85 Watt for 20 Watt Solar Panel	$ 237.00
PNS10-SUB104A	Substitute 104Ah for 53Ah Battery	$ 152.00
	Pole Assemblies (includes Base, Collar, Anchor Bolts and Grounding Lug)	
PNS10-POLE15SPALASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts	$ 571.00
PNS10-POLE15BLKASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts Powdercoated Black	$ 638.00
PNS10-	**If you want to use a Screw-In Anchor instead of Anchor Bolts select an Anchor**	$ 35.00
PNS10-501312SA4	4" Anchor Pelco PB-5364	$ 298.00
PNS10-501312SA8	8" Anchor Pelco PB-5375	$ 516.00
	12" Signals (Includes Visor, closure kit and Ubolt mounting hdwre)	
PNS10-SIGPY	12" Signal Heads Poly Yellow (1, 2 or 3 per flasher)	$ 144.00
PNS10-SIGPB	12" Signal Heads Poly Black (1,2 or 3 per flasher)	$ 144.00
PNS10-SIGAY	12" Signal Heads Aluminum Yellow (1, 2 or 3 per Flasher)	$ 152.00
PNS10-SIGAB	12" Signal Heads Aluminum Black (1, 2 or 3 per flasher)	$ 152.00
	If you want to use a Side by Side Mounting instead of Top and Bottom enter Y	
	12" LED's	
PNS10-502463	12" Amber DC 5 Watt LED IL (RTC Standard) (1, 2 or 3 per flasher)	$ 68.00
PNS10-PNS-82-TSL12YLX	12" Amber AC LED IL (1, 2 or 3 per flasher)	$ 68.00
	RTC Ala Carte Section	
	Signal Cabinets (ALL RTC Cabinets include all load switches, flash transfer realys, isolators, power supplies and BIU's as needed)	
PNS10-TS1	TS1 Cabinet No Conflict Monitor or Controller	$ 9,096.00
PNS10-TS1M	TS1 Cabinet with EDI Conflict Monitor but No Controller	$ 10,132.00
PNS10-TS1MC	TS1 Cabinet with EDI Conflict Monitor and McCain Controller	$ 12,520.00
PNS10-TS2	TS2 Cabinet No Conflict Monitor or Controller	$ 10,751.00
PNS10-TS2M	TS2 Cabinet with EDI Conflict Monitor but No Controller	$ 11,787.00

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PNS10-TS2MC	TS2 Cabinet with EDI Conflict Monitor and McCain Controller	$	14,177.00
PNS10-TS2TX	TXDOT TS2 Cabinet with EDI Conflict Monitor but No Controller	$	12,277.00
	Time Switches Ala Carte		
PNS10-503644B	AP22 Time Switch W/O Harness	$	430.00
PNS10-AP22H	AP22 Harness 48"	$	31.00
PNS10-504567	Program Transfer Cable PC to AP22/CPR/TR4	$	40.00
PNS10-500637	Program Transfer Cable Kit PC to AP22/CPR/TR4	$	129.00
PNS10-504558	AP22 Transfer Cable (Clock to Clock)	$	23.00
PNS10-	AP22 Time Clock Upgrade and Warranty	$	137.00
PNS10-501614B	AP21 Time Switch W/O Harness	$	320.00
PNS10-503518	AP21 & CPR2102 Harness 48"	$	31.00
PNS10-500512	Program Transfer Cable PC to AP21 or AP21 to AP21	$	10.00
PNS10-500635D	Program Transfer Cable KIT PC to AP21 or AP21 to AP21	$	72.00
PNS10-500482	DB9 to RJ45 Adapter Cable	$	55.00
PNS10-500625	AP21TR AC Time Switch (No Keypad or Display)	$	195.00
PNS10-500634	AP21TR DC Time Switch (No Keypad or Display)	$	195.00
PNS10-500455	Base Relay for DCF 2 circuit Flasher and AP21TR	$	7.00
PNS10-505426	Adapter USB to DB9	$	52.00
PNS10-500517	Power Cord for all Time Switches	$	43.00
PNS10-507409	Memory Capacitor (was 501808)	$	10.00
PNS10-500335E	Mounting Bracket for Pager Antenna in DC Cabinet	$	36.00
PNS10-503349K	Mounting Bracket for Pager Antenna in AC Cabinet	$	83.00
PNS10-501532C	GPS Receiver W/ Harness	$	260.00
PNS10-506445CPWM-3	CPR 2102 Time Clock Upgrade and Warranty	$	138.00
PNS10-503525A	CPR 2102 Pager Antenna w/ 30' Lead	$	94.00
PNS10-501628	ADD a CPR 2102 TXDOT/ELTEC Replacement Wiring Harness	$	36.00
PNS10-503518	ADD a CPR 2102 Replacement Wiring Harness	$	36.00
	Communication Options:		
	R1 and R2 Radio and Antenna Options		
PNS10-505472-11dB	11dB Omni Antenna with Mounting Bracket	$	536.00
PNS10-503525Y	10dB Yagi Antenna W/ Mounting Bracket, 25' Lead	$	189.00
PNS10-505472-5	5dB OMNI Antenna W/O Mounting Bracket, No Lead	$	176.00
PNS10-503525BE	3dB OMNI Antenna W/O Mounting Bracket, 30' Lead	$	105.00
PNS10-502356	Mounting Bracket for all Yagi Antennas	$	98.00
PNS10-505472-5B	Mounting Bracket For 5dB Omni Antenna on 1.5" pole (for 505472-5)	$	38.00
PNS10-500335E	Mounting Bracket For 5dB Omni, CPR Pager 3dB Omni Antennas on Solar Panel	$	22.00
PNS10-505472L-25	25' 240 Series Antenna Lead Only (No Lightning Suppressor)	$	40.00
PNS10-505472L-50	50' 240 Series Antenna Lead With Suppressor	$	235.00
PNS10-505472L-100	100' 400 Series Antenna Lead With Suppressor	$	299.00
PNS10-505472L-100BE	100' 400 Series Antenna Lead With Suppressor (for 503525BE, Fire Station WS)	$	326.00
PNS10-505472L-150	150' 400 Series Antenna Lead With Suppressor	$	394.00
PNS10-505433	Lightning Suppressor for Antenna Lead	$	43.00
PNS10-505476-2	ESR 902 Serial Port Server (No Cables)	$	755.00
PNS10-505476C	6 Foot Serial Cable from Radio to Switch	$	22.00
PNS10-505476EC	7 Foot Cat 5 Cable from LAN to Switch	$	13.00
PNS10-501257	2 Conductor Cable for RRFB Pigtail (Per Foot) (A/C Only)	$	1.00
	Solar and AC Cabinet Back Panels and Components		
PNS10-Eng	Specialty Panel Engineering Adder Per Hour	$	125.00
PNS10-503333UB	One Battery Cabinet Cabinet Only	$	478.00
PNS10-503333FB	One Battery Cabinet - Cabinet Only + Flared Pole Mount	$	486.00
PNS10-503333HB	One Battery Cabinet - Cabinet Only + Hinge Bracket Mount	$	486.00
PNS10-502598SW	One Battery Cabinet - Panel Only	$	309.00
PNS10-503568	Two Battery Cabinet - Cabinet Only - Ubolt mount	$	819.00
PNS10-503576	Two Battery Cabinet - Cabinet Only - Flare Bracket mount	$	819.00
PNS10-503568-3PT	Houston Two Battery Cabinet - + 3PT Lock	$	819.00
PNS10-502598	Houston Two Battery Cabinet - Panel Only Add 50489-15 Regulator, and 500540 Flasher	$	234.00
PNS10-SFGP3LED	Grand Prairie Two Battery Cabinet (Complete with Radio and CPR 2102 Time Switch, Pole, base, anchor bolts, signals and LED's)	$	4,905.00
PNS10-502598GP	Grand Prairie Two Battery Cabinet Panel Only (Add 20A SS Regulator & DCF2)	$	247.00
PNS10-501302-3PT	Houston Two Battery Cabinet with Three Point lock	$	670.00
PNS10-500341CCNK	Clark County AC School Cabinet and Panel	$	939.00
PNS10-500341CCNPK	Clark County AC Pedestrian Crossing Cabinet and Panel (No Ped ISO)	$	1,204.00
PNS10-502598LCB	Panel Only for Two Battery Cabinet With Regulator	$	283.00
PNS10-502564	AC Cabinet - Cabinet Only + Ubolts	$	373.00

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PNS10-502565	AC Cabinet - Cabinet Only + Flared Pole Mount	$ 373.00
PNS10-502565HB	AC Cabinet - Cabinet Only + Hinge Bracket Mount	$ 373.00
PNS10-502505	A/C Panel (NEMA Flasher Only, No Flash Transfer Relay)	$ 248.00
PNS10-500533	NEMA Flasher	$ 40.00
PNS10-502505P	Pelco Cabinet Replacement Panel (does not include AP22, M2M or Guard)	$ 348.00
PNS10-500357	Mounting Bracket 4.5" Ubolt	$ 55.00
PNS10-500357B	Mounting Bracket 4.5" Ubolt Powder Coated	$ 59.00
PNS10-502364-4	Mounting Bracket - Flared for Signal Poles (AC cabinet needs one, DC cabinets need 2 each)	$ 22.00
PNS10-502364HB	Mounting Bracket 4.5" Hinged Bracket (DC Cabinets)	$ 129.00
PNS10-502364HBA	Mounting Bracket 4.5" Hinged Bracket (AC Cabinets)	$ 151.00
PNS10-502598	DC Panel Assy (Houston Spec)(No DCF, No Regulator)	$ 111.00
PNS10-502598BP	DC Panel Assy (Quick Replacement/Small Footprint)	$ 309.00
PNS10-502598GP	DC Panel Assy (Grand Prairie Spec)	$ 300.00
PNS10-500540	DCF 2 circuit Flasher	$ 159.00
PNS10-502598FCBA	Circuit Board Flasher Interface W/ Automotive Fuses)	$ 163.00
PNS10-500489-15	15 Amp Regulator PROSTAR LCD Screen (up to 250 Watt System)	$ 257.00
PNS10-504459SS20	20 Amp Sun Saver Regulator Without LCD Display (up to 320 Watt System)	$ 143.00
PNS10-501359	# 2 Key for Lock	$ 4.00
PNS10-500380	# 2 Lock (includes 1 key)	$ 31.00
PNS10-500316	# 1 (Police) Key for Lock	$ 3.00
PNS10-500315	# 1 (Police) Lock (includes 1 key)	$ 22.00
	Solar Panels (Wiring Kit Included), Brackets and Wiring Kits	
PNS10-502400-20	20 Watt Solar Panel ONLY	$ 120.00
PNS10-502400-30	30 Watt Solar Panel ONLY	$ 208.00
PNS10-502400-40	40 Watt Solar Panel ONLY	$ 217.00
PNS10-502400-50	50 Watt Solar Panel ONLY	$ 250.00
PNS10-502400-65	65 Watt Solar Panel ONLY	$ 335.00
PNS10-502400-85	85 Watt Solar Panel ONLY	$ 454.00
PNS10-502400-100	100 Watt Solar Panel ONLY	$ 521.00
PNS10-502400-130	130 Watt Solar Panel ONLY	$ 612.00
PNS10-502400-150	150 Watt Solar Panel ONLY	$ 855.00
PNS10-502400-M	Banding Mounting Bracket 20-50 W for Most Pole Sizes (Includes Bolt Kit)	$ 86.00
PNS10-503371U	Gimble Mount for 2" Square Pole	$ 213.00
PNS10-503371PK	Small Top of Pole Mount Kit	$ 174.00
PNS10-502400-M2	4.5 OD Top of Pole Gimble Mounting Bracket 65-130 W (Includes Bolt Kit)	$ 199.00
PNS10-503364B	Side of Pole Riser Mount 5'	$ 243.00
	Poles & Anchors Ala Carte	
PNS10-501307	15' Spun Aluminum Pole (Pole Only)	$ 300.00
PNS10-501310	Pole Base SPTX-1014	$ 153.00
PNS10-501311	Pole Collar PB-5325	$ 65.00
PNS10-501310GL	Grounding Lug PB-5378-BRS	$ 17.00
PNS10-501312	Anchor Bolts Pelco 5306-GLV	$ 35.00
PNS10-501312GR	Grounding Rod with Clamp and Wire	$ 48.00
PNS10-501309M	Pole Cap PB-5402	$ 12.00
	Signal LED and Wiring Ala Carte	
PNS10-502463-8W	12" Amber DC 8 Watt LED IL (1, 2 or 3 per flasher) To Match Existing LED's ONLY	$ 85.00
PNS10-503375NS	Mounting Hdwre Pelco SE-5053-ALO Single	$ 51.00
PNS10-503375NSB	Mounting Hdwre Pelco SE-5053-ALO Single Black Powdercoat	$ 51.00
PNS10-503375SSC	Mounting Hdwre Pelco SE-5186-ALO Side by Side	$ 103.00
PNS10-501304	Signal Closure Kit Yellow	$ 4.00
PNS10-501304B	Signal Closure Kit Black	$ 4.00
PNS10-504580S	Signal Wiring Kit	$ 21.00
PNS10-501422BPL	One Section Black Poly 12" Backplate (Louvered)	$ 48.00
PNS10-501422BP	One Section Black Poly 12" Backplate (non Louvered)	$ 47.00
	TR4's	
PNS10-501661F4	TR4 GPS Time Reference (includes GPS Receiver, Power Cord and Wiring Harness)	$ 616.00
PNS10-501532	GPS Receiver Only	$ 221.00
PNS10-501661-4MDOT	TR4 GPS Time Reference for Missouri DOT (add 501532M)	$ 371.00
PNS10-501532M	GPS Receiver Only for Missouri DOT	$ 221.00
PNS10-501661-4K	TR4 Time Reference (W/O GPS)	$ 328.00
PNS10-502586	TR4 72" Harness to GPS Receiver	$ 43.00

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PNS10-502585	TR4 72" Harness and Power Cord	$ 43.00
PNS10-505495T	Processor Chip Upgrade (TR3 to TR4)	$ 23.00
PNS10-501664	GPS Remote Mounting Assembly	$ 326.00
	Other	
PNS10-501610P	Opticom IR Emitter Reader with Soft Side Pouch	$ 569.00
PNS10-506440	Hardshell Pelican Case for Reader	$ 137.00
PNS10-500632	Gate Opener Board for Opticom Gate Opener	$ 237.00
	RTC Installation Labor (CTC)	
CTCINSTALL	Fire Station Warning System 8 hours $260 per hour	$ 2,080.00
CTCINSTALL	15' Pole Installation – Screw in Anchor or Bolts 4 Hours $260 per hour	$ 1,040.00
CTCINSTALL	Signal Cabinet Install TS/1 & TS/2 8 Hours $210 per hour	$ 1,680.00
	RTC Repairs (does NOT include Pager on CPR2102)	
PNS10-AP22 REP1-5	AP22 or CPR2102 Time Switch Repair Year 1-5 (Non Warranty)	$ 125.00
PNS10-AP22 REP6	AP22 or CPR2102 Time Switch Repair Year 6	$ 216.00
PNS10-AP22 REP7	AP22 or CPR2102 Time Switch Repair Year 7	$ 259.00
PNS10-AP22 REP8	AP22 or CPR2102 Time Switch Repair Year 8	$ 302.00
PNS10-AP22 REP9	AP22 or CPR2102 Time Switch Repair Year 9	$ 345.00
PNS10-AP22 REP10	AP22 or CPR2102 Time Switch Repair Year 10	$ 387.00
PNS10-CPRREPPG	CPR 2102 Pager Replacement ADD on to any repair	$ 150.00
PNS10-AP22 REP1-5	AP22 Time Switch Repair Year 1-5 (Non Warranty)	$ 125.00
PNS10-AP21 REP6	AP21 Time Switch Repair Year 6	$ 160.00
PNS10-AP21 REP7	AP21 Time Switch Repair Year 7	$ 192.00
PNS10-AP21 REP8	AP21 Time Switch Repair Year 8	$ 224.00
PNS10-AP21 REP9	AP21 Time Switch Repair Year 9	$ 256.00
PNS10-AP21 REP10	AP21 Time Switch Repair Year 10	$ 287.00
	GTT Opticom	
	GTT Opticom IR - Traffic	
110283	Model 794H LED Emitter	$ 1,030.00
110260	Model 792H Strobe Emitter	$ 1,030.00
110261	793S Emitter Switch (On/Off Box)	$ 144.00
110619	Model 762 Phase Selector	$ 1,868.00
110610-MM	Model 764 Multimode Phase Selector	$ 2,946.00
110274	Model 462 Phase Selector	$ 1,384.00
110620	Model 464 Phase Selector	$ 1,999.00
110245	Model 711 Detector	$ 479.00
110258	Model 721 Detector	$ 535.00
110247	Model 722 Detector	$ 741.00
	Trade In Trade Up Section	
	Only Include the items that are eligible for the discount in this seaction	
110283	Model 794H LED Emitter	$ 1,030.00
110260	Model 792H Strobe Emitter	$ 1,030.00
110261	793S Emitter Switch (On/Off Box)	$ 144.00
110619	Model 762 Phase Selector	$ 1,868.00
110610-MM	Model 764 Multimode Phase Selector	$ 2,946.00
110274	Model 462 Phase Selector	$ 1,384.00
110620	Model 464 Phase Selector	$ 1,999.00
110245	Model 711 Detector	$ 479.00
110258	Model 721 Detector	$ 535.00
110247	Model 722 Detector	$ 741.00
GTT Trade In	Trade in Trade Up Discount 20.6248%	20.625%
	GTT Opticom GPS - Traffic	
110610-MM	Model 764 Multimode Phase Selector	$ 2,946.00
110610-MMEW	Extended Warranty 764 MM Phase Selector	$ 442.00
110610-CELL	Model 7614 Multimode Phase Selector - Cellular	$ 3,413.00
110610-CELLEW	Extended Warranty 7614 MM Phase Selector	$ 512.00
110620	Model 464 Phase Selector	$ 1,999.00
110620-MMEW	Extended Warranty 464 MM Phase Selector	$ 479.00
110603-MM	Model 768 Auxiliary Panel	$ 531.00
110603-MMEW	Extended Warranty 768 Aux Panel	$ 83.00
110611	3100 GPS Radio Unit (Mast Mount)	$ 2,840.00
110611-EW	Extended Warranty 3100 GPS Radio	$ 426.00
110611CAB	3100 GPS Radio Unit (Cabinet Mount)	$ 2,830.00
110611CAB-EW	Extended Warranty 3100 GPS Radio	$ 424.00

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110601	2100 GPS Preemption Vehicle Kit	$ 3,192.00
110601EW	Extended Warranty 2000 Series Vehicle Kit	$ 479.00
110617	GPS Intelligreen Fire Station System	$ 6,012.00
110617EW	GPS Intelligreen 5 Yr Warranty	$ 902.00
	GTT GPS Subscription Prices per month	
1000-1337-0	Subscription Service per Vehicle	$ 105.00
1000-1338-0	Subscription Service per Intersection	$ 171.00
	GTT Opticom Multimode - Traffic	
110610-MM	Model 764 Multimode Phase Selector	$ 2,946.00
110610-MMEW	Extended Warranty 764 MM Phase Selector	$ 442.00
110610-CELL	Model 7614 Multimode Phase Selector - Cellular	$ 3,413.00
110610-CELLEW	Extended Warranty 7614 MM Phase Selector	$ 512.00
110603-MM	Model 768 Auxiliary Panel	$ 531.00
110603-MMEW	Extended Warranty 768 Aux Panel	$ 83.00
110253	Model 755 Four Channel Adapter Card	$ 54.00
110611	3100 GPS Radio Unit (Mast Mount)	$ 2,840.00
110611-EW	Extended Warranty 3100 GPS Radio	$ 426.00
110611CAB	3100 GPS Radio Unit (Cabinet Mount)	$ 2,830.00
110611CAB-EW	Extended Warranty 3100 GPS Radio	$ 424.00
110283-MM	Model 794HM Multimode Emitter	$ 1,031.00
110283-MMEW	Extended Warranty Model 794HM	$ 155.00
110609	MM Vehicle Kit (2100 GPS VCU/Radio, 794HM, Cable & Hdwre)	$ 3,675.00
110609EW	Extended Warranty MM Vehicle Kit	$ 551.00
	GTT Opticom - Transit (Low Priority)	
110269	Model 794T LED Emitter	$ 1,020.00
110269	Model 792T Strobe Emitter	$ 1,020.00
110601	2000 Series GPS Preemption Vehicle Kit	$ 3,192.00
110601EW	Extended Warranty 2000 Series Vehicle Kit	$ 479.00
110283-MM (Low)	Model 794TM Multimode Emitter	$ 1,020.00
110283-MMEW	Extended Warranty Model 794HM	$ 153.00
76-1000-1298-0	4010 Vehicle Computer Kit	$ 1,733.00
76-1000-1282-0	400 2.4 Ghz Radio/GPS Unit	$ 1,050.00
76-1000-1242-0	211 Vehicle Interface Cable W/ Dead Reconing	$ 158.00
	GTT Cable, Mounting & Accessories	
108001	External Mounting Cabinet	$ 512.00
110216A	Model 138 Cable 500 Ft Roll (Per Ft.)	$ 0.68
110216B	Model 138 Cable 1,000 Ft Roll (Per Ft.)	$ 0.68
110216C	Model 138 Cable 2,500 Ft Roll (Per Ft.)	$ 0.73
110605A	GPS Cable 500 Ft Roll (Per Ft.)	$ 1.10
110605	GPS Cable 1,000 Ft Roll (Per Ft.)	$ 1.10
110605C	GPS Cable 2,500 Ft Roll (Per Ft.)	$ 1.10
201011	3/4" Narrow Hub (IR)	$ 13.00
101001	Span Wire Clamp	$ 4.00
201011 (hub)	Mast Arm Mount (GPS)	$ 83.00
110280	Opticom Software Kit Includes RS232 cable	$ 1,025.00
100201	Model 380 Card Rack	$ 172.00
110214	GTT Model 760 Card Rack (Incl. Harness)	$ 302.00
0	760 Card Rack Harness Only	$ 71.00
110284	Remote Code Reader (794 Emitters only)	$ 308.00
PNS10-501610P	Handheld Code Reader (794 Only)	$ 561.00
110282	Serial Comm Cable RS232 (Emitter Programming)	$ 21.00
110270	Y Cable (Emitter Programming)	$ 359.00
0	794/494 & 792/492 Hardware Install Kit	$ 338.00
110271	794/494 & 792/492 Emitter Cable Assy.	$ 82.00
110613	Gps Radio Antenna 1050 White	$ 205.00
110613A	Gps Radio Antenna 1050 Black	$ 205.00
110615	GPS Vehicle Interface Cable	$ 167.00
	GTT Software	
0	CMS Software for Five Intersections	$ 750.00
0	CMS Annual Maintenance for Five Intersections	$ 113.00
0	Analytics Software Setup Charge	$ 7,380.00
0	Analytics Software Per Vehicle	$ 123.00
	GTT Gate Opener Kit	

200201B	721 Gate Opener Kit includes 721 Detector, 462 Phase selector, RTC 380 Card Rack with 100 ft of 138 Cable, Narrow Hub	$ 2,740.00
	GTT Installation and Health Check Labor (CTC)	
CTCINSTALL	GPS Opticom Intersection 5 hours $260 per hour	$ 1,300.00
CTCINSTALL	IR Intersection 4 direction 10 hours $260 per hour	$ 2,600.00
CTCINSTALL	IR Diamond Intersection 12 hours $260 per hour	$ 3,120.00
CTCINSTALL	GPS Diamond Intersection* 5 hours $260 per hour (requires site visit)	$ 1,300.00
CTCINSTALL	IR Emitter Install 4 hours $130 per hour	$ 520.00
CTCINSTALL	GPS/Multimode Vehicle kit 5 hours $130 per hour	$ 650.00
CTCINSTALL	Intelligreen System/RTC System FSW 8 hours $260 per hour	$ 2,080.00
CTCINSTALL	Opticom Initial HealthCheck per Intersection	$ 75.00
CTCINSTALL	Opticom Annual Maintenance per Intersection	$ 230.00
	GTT Canoga	
	GTT Canoga Note: Measurement and Carriers and install need to be included wit any quote of Canoga Microloops	
110330	9004 Four Channel Card (Two Lanes Speed and Length)	$ 675.00
111501	1000 ft Spool Home run cable per FT	$ 0.70
78-8114-5717-1	Installaton Kit 702 Non invasive Microloop	$ 118.00
78-8114-5707-2	Installaton Kit 7002 Non-Invasive Microloop	$ 67.00
78-8118-6123-2	Carrier Package@ 25 Units 702 Non Invasive Microloops	$ 182.00
78-8118-6124-0	Carrier Package@ 50 Units 702 Non Invasive Microloops	$ 364.00
75-0301-3114-0	701-1 Single Microlooop with 75 ft Cable	$ 202.00
75-0301-3115-7	701-1 Single Microlooop with 150 ft Cable	$ 235.00
75-0301-3116-5	701-1 Single Microlooop with 250 ft Cable	$ 278.00
75-0301-3117-3	701-1 Single Microlooop with 500 ft Cable	$ 388.00
75-0301-3118-1	701-1 Single Microlooop with 1000 ft Cable	$ 608.00
75-0301-3119-9	701-2 Double Microlooop with 75 ft Cable	$ 373.00
75-0301-3120-7	701-2 Double Microlooop with 150 ft Cable	$ 406.00
75-0301-3121-5	701-2 Double Microlooop with 250 ft Cable	$ 450.00
75-0301-3122-3	701-2 Double Microlooop with 500 ft Cable	$ 560.00
75-0301-3123-1	701-2 Double Microlooop with 1000 ft Cable	$ 780.00
	Polara Pushbuttons and APS	
	Ped Detection Push Buttons (Std.) Polara Bulldog	
	Bulldog Buttons & Misc	
87-BDL3-Y	Bulldog Button Yellow	$ 75.00
87-BDL3-B	Bulldog Button Black	$ 75.00
871003-014-Y	Bulldog Button Yellow (TS1 Only)	$ 75.00
871003-014-B	Bulldog Button Black (TS1 Only)	$ 75.00
87-BDL3-010-Y	Bulldog Button NO LED Yellow	$ 79.00
87-BDL3-010-B	Bulldog Button NO LED Black	$ 79.00
87-BDL3AL-Y	Bulldog Button Yellow - Left Arrow	$ 86.00
87-BDL3AL-B	Bulldog Button Black - Left Arrow	$ 86.00
87-BDL3AR-Y	Bulldog Button Yellow - Right Arrow	$ 86.00
87-BDL3AR-B	Bulldog Button Black - Right Arrow	$ 86.00
87-BDPM3-Y	Bulldog Pole Universal Mount Yellow	$ 12.00
87-BDPM3-B	Bulldog Pole Universal Mount Black	$ 12.00
87-APBC-Y	Bulldog Pushbutton Cup Aluminum Yellow	$ 12.00
87-APBC-B	Bulldog Pushbutton Cup Aluminum Black	$ 12.00
ie. (87-BDL3CE-Y)	Bulldog One Time Custom Etching Fee (Add CE to Part number)	$ 200.00
87-RBDSP-014-Y-4H	Rectangular Bulldog Button Yellow	$ 81.00
87-RBDSP-014-B-4H	Rectangular Bulldog Button Black	$ 81.00
	Bulldog 5X7	
871011-Y	5x7 Bulldog Button Frame Yellow	$ 39.00
871011-B	5x7 Bulldog Button Frame Black	$ 39.00
87-PBFA9X12-B	5x7 Coversion to 9X12 Bulldog Backplate Black	$ 17.00
87-PBFA9X12-Y	5x7 Coversion to 9X12 Bulldog Backplate Yellow	$ 17.00
87-PBFA9X15-B	5x7 Coversion to 9X15 Bulldog Backplate Black	$ 21.00
87-PBFA9X15-Y	5x7 Coversion to 9X15 Bulldog Backplate Yellow	$ 21.00
87-800-87	5x7 Reversable Sign (Hand Man) Option A	$ 13.00
87-800-88	5x7 Bidirectional Sign (Hand Man) Option A	$ 13.00
87-800-59	5x7 Reversable Sign (Flashing Hand) Option B	$ 15.00

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87-800-63	5x7 Bidirectional Sign (Flashing Hand) Option B	$ 15.00
	Bulldog 9X12	
871012-Y	9X12 Bulldog Button Frame Yellow	$ 56.00
871012-B	9X12 Bulldog Button Frame Black	$ 56.00
871019	9X12 Reversable Sign (Flashing Hand R10-3B) Option U	$ 24.00
87-800-72	9X12 Bidirectional Sign (Flashing Hand R10-3B) Option U	$ 16.00
87-800-67	9X12 Reversable Sign (International) Option D	$ 17.00
87-800-70	9X12 Bidirectional Sign (International) Option D	$ 17.00
87-800-85	9X12 Reversable Sign (Countdown R10-3E) Option C	$ 17.00
87-800-90	9X12 Bidirectional Sign (Countdown R10-3E) Option C	$ 17.00
87-800H-86	9X12 Reversable Sign (MUTCD R10-3) Option V	$ 19.00
87-800H-89	9X12 Bidirectional Sign (MUTCD R10-3) Option V	$ 13.00
	Bulldog 9X15	
87-PBF9X15-Y	9X15 Bulldog Button Frame Yellow	$ 59.00
87-PBF9X15-B	9X15 Bulldog Button Frame Black	$ 59.00
87-800H-84	9X15 Reversable Sign (Countdown R10-3E) Option T	$ 30.00
87-800H-99	9X15 Bidirectional Sign (Countdown R10-3E) Option T	$ 20.00
	Bulldog Push Button Control Units & Accessories	$ -
87-PBCU	Push Button Control Unit A/C Powered	$ 268.00
87-PBCU-DC	Push Button Control Unit D/C Powered	$ 301.00
87-PBCUHK-12	PBCU Hardware Kit 12' Cable (6 and 15 ft discontinued)	$ 72.00
87-BDPM3-B	Bulldog Pole Mount - Black	$ 12.00
87-BDPM3-Y	Bulldog Pole Mount - Yellow	$ 12.00
87-PA-iB	Pelco Poly Adaptor - Black	$ 12.00
87-PA-iY	Pelco Poly Adaptor - Yellow	$ 12.00
87-PBC-B	Push Button Cup - Black	$ 12.00
87-PBC-Y	Push Button Cup - Yellow	$ 12.00
87-PBFE-06	Push Button Frame Pole Extender 6"	$ 87.00
87-PBFE-12	Push Button Frame Pole Extender 12"	$ 95.00
87-PBFS4.5X2-B	PBF Adapter for 2 Frames on one 4.5" Pole (all sizes) Black	$ 78.00
87-PBFS4.5X2-Y	PBF Adapter for 2 Frames on one 4.5" Pole (all sizes) Yellow	$ 78.00
	2 Wire Navigator Control Unit NO LONGER ON PRICE LIST!!!	
87-CCU2EN	CCU (Add Hardware Kit if needed)	$ 2,285.00
87-CCU2EN	CCU Including 6' Cable Hardware Kit	$ 2,518.00
87-CCU2ENHK	CCU Hardware Kit (6' cable)	$ 233.00
87-CCU2ENHK-8	CCU Hardware Kit (8' cable)	$ 243.00
87-CCU2ENHK-12	CCU Hardware Kit (12' cable)	$ 280.00
87-850-186	1st GEN Circuit Board (Replacement Part)	$ 87.00
87-850-317	Latest GEN Circuit Board (Replacement Part)	$ 67.00
87-850-217	CCU Cable Harness Assy (Replacement Part)	$ 167.00
87-850-172	CCU Wall Mount Kit	$ 21.00
	iNS2 (SDLC Connector) 2 Wire Intellegent APS, (Base is always Black)	
87 - ICCU-S2+SDLCCP	ICCU - Shelf Model Including Hardware Kit, Power Supply and ICB	$ 2,335.00
87 - ICCU-C2+SDLCCP	ICCU - Rack Mount Including Hardware Kit, Power Supply and ICB	$ 2,342.00
87 - ICCU-B	ICCU - BIU Model Including Hardware Kit, Power Supply and ICB	$ 2,222.00
87 - ICCU-SHK	ICCU - Shelf Model Hardware Kit Only	$ 239.00
87 - ICCU-CHK	ICCU - Rack Mount Hardware Kit Only	$ 246.00
87 - ICCU-BHK	ICCU - BIU Model Hardware Kit Only	$ 280.00
	iNS (50 Pin connector) 2 Wire Intellegent APS, (Base is always Black)	
87 - ICCU-S+SDLCCP	ICCU - Shelf Model Including Hardware Kit, Power Supply and ICB	$ 2,335.00
87 - ICCU-C+SDLCCP	ICCU - Rack Mount Including Hardware Kit, Power Supply and ICB	$ 2,342.00
87 - ICCU-B	ICCU - BIU Model Including Hardware Kit, Power Supply and ICB	$ 2,222.00
87 - ICCU-SHK	ICCU - Shelf Model Hardware Kit Only	$ 239.00
87 - ICCU-CHK	ICCU - Rack Mount Hardware Kit Only	$ 246.00
87 - ICCU-BHK	ICCU - BIU Model Hardware Kit Only	$ 280.00
	iNS2 APS Miscellaneous	
87-iNS2-SUB	iNS2 Setup box	$ 308.00
cust msg	Custom Message	$ 25.00
Braile	Braile on Plastic Plate with Adhesive Back	$ 40.00
87-Add -NA	No Arrow Button (Sign has arrow)	$ 27.00
87-Add -BD	Bidirectional Button Add On	$ 27.00
87-Add -ES	External Speaker Option (allow 8-10 weeks delivery)	$ 86.00

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	iN Button Diaphram Replacement Assemblies	
87-850-372-1	Button Diaphram Right or Left Arrow	$ 23.00
87-850-372-3	Button Diaphram Bidirectional Arrow	$ 33.00
87-850-372-4	Button Diaphram No Arrow	$ 33.00
	iNS2 and iDetect 5X7 Including 800-59 Reversable Sign	
87-iDS25ENO-Y	5X7 iDetect S2 APS Push Button Station Black/Yellow	$ 371.00
87-iDS25ENO-B	5X7 iDetect S2 APS Push Button Station Black/Black	$ 371.00
87-iNS25ANO-Y	5X7 iNS2 APS Push Button Station Black/Yellow	$ 353.00
87-iNS25ANO-B	5X7 iNS2 APS Push Button Station Black/Black	$ 353.00
87-800-59	5x7 Reversable Sign (Flashing Hand) Option B	$ 15.00
87-800-63	5x7 Bidirectional Sign (Flashing Hand) Option B	$ 15.00
87-800H-86	5x7 Reversable Sign (Hand Man) Option A	$ 13.00
87-800H-89	5x7 Bidirectional Sign (Hand Man) Option A	$ 13.00
	iNS2 and iDetect 9X12 Including 800-85 Reversable Sign	
87-iDS29RNO-Y	9X12 iDetect S2 APS Push Button Station Black/Yellow	$ 408.00
87-iDS29RNO-B	9X12 iDetect S2 APS Push Button Station Black/Black	$ 408.00
87-iNS29UNO-Y	9X12 iNS2 APS Push Button Station Black/Yellow	$ 389.00
87-iNS29UNO-B	9X12 iNS2 APS Push Button Station Black/Black	$ 389.00
87-800H-69	9X12 Reversable Sign (Flashing Hand) Option U	$ 24.00
87-800H-72	9X12 Bidirectional Sign (Flashing Hand) Option U	$ 16.00
87-800-85	9X12 Reversable Sign (Countdown) Option C	$ 17.00
87-800-90	9X12 Bidirectional Sign (Countdown) Option C	$ 17.00
	iNS2 and iDetect 9X15 Including 800H-84 Reversable Sign	
87-iDS23RNO-Y	9X15 iDetect S2 APS Push Button Station Black/Yellow	$ 416.00
87-iDS23RNO-B	9X15 iDetect S2 APS Push Button Station Black/Black	$ 416.00
87-iNS23TNO-Y	9X15 iNS2 APS Push Button Station Black/Yellow	$ 397.00
87-iNS23TNO-B	9X15 iNS2 APS Push Button Station Black/Black	$ 397.00
87-800H-84	9X15 Reversable Sign (Countdown) Option C	$ 30.00
87-800H-99	9X15 Bidirectional Sign (Countdown) Option C	$ 20.00
87-87-7YR	Extended Warranty to 7 years (Put a 1 in Quantity Box)	12%
	4 Wire Ped Head Control Unit	
87-PHCU4W	PHCU (Need one per pushbutton)(Add Cable)	$ 206.00
87-850-288-12	PHCU Interconnect Cable 12'	$ 15.00
87-850-288-25	PHCU Interconnect Cable 25'	$ 35.00
87-HK-011	PHCU4W Bracket Kit	$ 7.00
	iNS3 3 Wire Intellegent APS, (Base is always Black)	
	iNS3 APS Miscellaneous	
87-iNS3-SUB	iNS3 Setup box	$ 308.00
cust msg	Custom Message	$ 25.00
Braile	Braile on Plastic Plate with Adhesive Back	$ 40.00
87-Add -NA	No Arrow Button (Sign has arrow)	$ 27.00
87-Add -BD	Bidirectional Button Add On	$ 27.00
87-Add -ES	External Speaker Option (allow 8-10 weeks delivery)	$ 86.00
87-iPHCU3W	Ped Head Control Unit (1 per Push Button)	$ 214.00
87-iNS3-CABLE-12	12' interconnect Cable (1 per Control Unit)	$ 15.00
87-iNS3-CABLE-15	15' interconnect Cable (1 per Control Unit)	$ 31.00
87-iN-DGL	iNAV Bluetooth Dongle	$ 60.00
87-iN-CCK-X	iNAV Color Change Kit (incl lid, exc screws)	$ 87.00
87-iN- 90DEGADPTR-6	90 Degree Reach or Orientation Adaptor - 6 inch	$ 113.00
87-iN- 90DEGADPTR-12	91 Degree Reach or Orientation Adaptor - 12 inch	$ 113.00
	iN Button Diaphram Replacement Assemblies	
87-850-372-1	Button Diaphram Right or Left Arrow	$ 23.00
87-850-372-3	Button Diaphram Bidirectional Arrow	$ 33.00
87-850-372-4	Button Diaphram No Arrow	$ 33.00
	iNS3 and iDetect 5X7 Including 800-59 Reversable Sign	
87-iDS35ENO-Y	5X7 iDetect S2 APS Push Button Station Black/Yellow	$ 365.00
87-iDS35ENO-B	5X7 iDetect S2 APS Push Button Station Black/Black	$ 365.00
87-iNS35ANO-Y	5X7 iNS3 APS Push Button Station Black/Yellow	$ 339.00
87-iNS35ANO-B	5X7 iNS3 APS Push Button Station Black/Black	$ 339.00
87-800-59	5x7 Reversable Sign (Flashing Hand) Option B	$ 15.00
87-800-63	5x7 Bidirectional Sign (Flashing Hand) Option B	$ 15.00
87-800H-86	5x7 Reversable Sign (Hand Man) Option A	$ 13.00
87-800H-89	5x7 Bidirectional Sign (Hand Man) Option A	$ 13.00

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	iNS3 and iDetect 9X12 Including 800-85 Reversable Sign	
87-iDS39RNO-Y	9X12 iDetect S2 APS Push Button Station Black/Yellow	$ 401.00
87-iDS39RNO-B	9X12 iDetect S2 APS Push Button Station Black/Black	$ 401.00
87-iNS39UNO-Y	9X12 iNS3 APS Push Button Station Black/Yellow	$ 375.00
87-iNS39UNO-B	9X12 iNS3 APS Push Button Station Black/Black	$ 375.00
87-800H-69	9X12 Reversable Sign (Flashing Hand) Option U	$ 24.00
87-800H-72	9X12 Bidirectional Sign (Flashing Hand) Option U	$ 16.00
87-800-85	9X12 Reversable Sign (Countdown) Option C	$ 17.00
87-800-90	9X12 Bidirectional Sign (Countdown) Option C	$ 17.00
	iNS3 and iDetect 9X15 Including 800H-84 Reversable Sign	
87-iDS33RNO-Y	9X12 iDetect S2 APS Push Button Station Black/Yellow	$ 411.00
87-iDS33RNO-B	9X12 iDetect S2 APS Push Button Station Black/Black	$ 411.00
87-iNS33TNO-Y	9X15 iNS3 APS Push Button Station Black/Yellow	$ 383.00
87-iNS33TNO-B	9X15 iNS3 APS Push Button Station Black/Black	$ 383.00
87-800H-84	9X15 Reversable Sign (Countdown) Option C	$ 30.00
87-800H-99	9X15 Bidirectional Sign (Countdown) Option C	$ 20.00
	Ped Detection Push Buttons (APS) Polara Navigator	
	APS Miscellaneous	
87-ECONFIG	EZ Comm Configurator	$ 295.00
cust msg	Custom Message	$ 25.00
Braile	Braile on Plastic Plate with Adhesive Back	$ 40.00
87-Add -NA	No Arrow Button (Sign has arrow)	$ 27.00
87-850-275	Preemtion Adapter for Opticom 500 or 700 series	$ 129.00
87-850-390	Custom Cable Harness Assemblyin CCU2ENHK-8(Cable #3, 8' for P\reemption	$ 177.00
87-NPA4X2-X	Pole Adapter for two 9x12 or 9x15 Navs on one pole	$ 85.00
87-NPA-B-FP	Pole Adapter for Fluted Pole (Black only)	$ 60.00
87-EZ523-06	Navigator Pole Extender 6" (Galvanized Only)	$ 87.00
87-EZ523-12	Navigator Pole Extender 12" (Galvanized Only)	$ 95.00
	Navigator 5X7 Including 800-59 Reversable Sign	
87-EN25BNO-Y	5X7 Navigator Button (2 Wire) Yellow/Black	$ 340.00
87-EN25BNO-PY	5X7 Navigator Button (2 Wire) Yellow/Yellow	$ 367.00
87-EN25BNO-B	5X7 Navigator Button (2 Wire) Black/Black	$ 340.00
87-EN45BNO-Y	5X7 Navigator Button (4 Wire) Yellow/Black	$ 340.00
87-EN45BNO-PY	5X7 Navigator Button (4 Wire) Yellow/Yellow	$ 367.00
87-EN45BNO-B	5X7 Navigator Button (4 Wire) Black/Black	$ 340.00
87-800-59	5x7 Reversable Sign (Flashing Hand) Option B	$ 15.00
87-800-63	5x7 Bidirectional Sign (Flashing Hand) Option B	$ 15.00
87-800H-86	5x7 Reversable Sign (Hand Man) Option A	$ 13.00
87-800H-89	5x7 Bidirectional Sign (Hand Man) Option A	$ 13.00
	Navigator 9X12 Including 800-85 Reversable Sign	
87-EN29CNO-Y	9X12 Navigator Button (2 Wire) Yellow/Black	$ 375.00
87-EN29CNO-PY	9X12 Navigator Button (2 Wire) Yellow/Yellow	$ 402.00
87-EN29CNO-B	9X12 Navigator Button (2 Wire) Black/Black	$ 375.00
87-EN49CNO-Y	9X12 Navigator Button (4 Wire) Yellow/Black	$ 375.00
87-EN49CNO-PY	9X12 Navigator Button (4 Wire) Yellow/Yellow	$ 402.00
87-EN49CNO-B	9X12 Navigator Button (4 Wire) Black/Black	$ 375.00
87-800H-69	9X12 Reversable Sign (Flashing Hand) Option U	$ 24.00
87-800H-72	9X12 Bidirectional Sign (Flashing Hand) Option U	$ 16.00
87-800-85	9X12 Reversable Sign (Countdown) Option C	$ 17.00
87-800-90	9X12 Bidirectional Sign (Countdown) Option C	$ -
	Navigator 9X15 Including 800H-84 Reversable Sign	
87-EN23TNO-Y	9X15 Navigator Button (2 Wire) Yellow/Black	$ 383.00
87-EN23TNO-PY	9X15 Navigator Button (2 Wire) Yellow/Yellow	$ 409.00
87-EN23TNO-B	9X15 Navigator Button (2 Wire) Black/Black	$ 383.00
87-EN43TNO-Y	9X15 Navigator Button (4 Wire) Yellow/Black	$ 383.00
87-EN43TNO-PY	9X15 Navigator Button (4 Wire) Yellow/Yellow	$ 409.00
87-EN43TNO-B	9X15 Navigator Button (4 Wire) Black/Black	$ 383.00
87-800H-84	9X15 Reversable Sign (Countdown) Option C	$ 30.00
87-800H-99	9X15 Bidirectional Sign (Countdown) Option C	$ 20.00
	Model X Pedestrian Crossing	
	INX (No Controller Required)	
87-iNX9WNO-Y	9X12 APS Push Button Station Black/Yellow	$ 375.00
87-iNX9WNO-B	9X12 APS Push Button Station Black/Black	$ 375.00
87-iDX9WNO-Y	9X12 iDetect APS Push Button Station Black/Yellow	$ 401.00
87-iDX9WNO-B	9X12 iDetect APS Push Button Station Black/Black	$ 401.00

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	Ped Signals (Countdown)	
	Ped Heads	
190006	Ped Head Poly Yellow	$ 55.00
190109	Ped Head Aluminum Yellow drilled Left	$ 90.00
191106	Ped Head Poly Black	$ 55.00
191109	Ped Head Alum Black drilled left	$ 90.00
	Ped Heads with Clamshells	
190110	16" Ped Head Aluminum Yellow with Clamshell	$ 146.00
191110	16" Ped Head Aluminum Black With Clamshell	$ 143.00
	Clamshells	
190006C	Aluminum Clamshell Yellow	$ 56.00
191109C	Aluminum Clamshell Black	$ 53.00
	Astro Bracs for Ped Heads	
20AS-0157-96	1W Ped Head (96" Cable)	$ 155.00
20AS-0158-96	2W Ped Head (96" Cable)	$ 256.00
0	Paint Adder For Assy (Add Color code Pxx)	$ 21.00
	Leotek LED's for Ped Heads	
821002-IL-TXD	16" Countdown Ped	$ 143.00
821002 48V	16" Countdown Ped (48 Volt DC)	$ 137.00
	Ped Pole Assembly (Greater than 5' Pole)	
	Anchors, Poles, Bases and Collars	
201018	Anchor Bolts	$ 33.00
20PB-5364	4" Screw in Anchor	$ 284.00
300008	8" Screw in Anchor	$ 492.00
201502	Square Base	$ 146.00
Paint Adder	Paint for Base	$ 26.00
PB-5303-PNC	2 Piece Dec Cover	$ 129.00
20PB-5378	Grounding Lug PB-5378-BRS	$ 16.00
PNS-10-501312GR	Grounding Rod with Clamp and Wire	$ 46.00
201020	Collar	$ 62.00
PB-5325-PXX	Collar Paint	$ 10.00
PB-5325-PXX	Painted Collar	$ 72.00
201001	10' Aluminum Pole	$ 191.00
201001B	10' Aluminum Pole (Paint)	$ 225.00
PB-5100-11-PNC	11' Aluminum Pole	$ 210.00
PB-5100-11-PXX	11' Aluminum Pole (Paint)	$ 248.00
201022	12' Aluminum Pole	$ 236.00
201022B	12' Aluminum Pole (Paint)	$ 277.00
201043-13	13' Aluminum Pole	$ 255.00
201524	14' Aluminum Pole	$ 266.00
201043	15' Aluminum Pole	$ 286.00
201043B	15' Aluminum Pole (Paint)	$ 337.00
201043-16	16' Aluminum Pole	$ 304.00
201043-17	17' Aluminum Pole	$ 334.00
201043-18	18' Aluminum Pole	$ 352.00
201071	20' Aluminum Pole	$ 379.00
PB-5200-10-GLV	Steel Pole 10'	$ 196.00
PB-5201-10-PXX	Steel 10' Pole (Paint)	$ 230.00
201041-15	Steel 15' Pole	$ 315.00
PB-5200-15-GLV-PXX	Steel 15' Pole (Paint)	$ 366.00
201007	Cap	$ 11.00
PB-5402-PNC	Cap-Painted	$ 18.00
Paint Adder	Paint for pole (per ft)	$ 3.00
	Ped Pushbutton Pole (5' or Less Pole)	
	Anchors, Poles, Bases and Collars	
201018	Anchor Bolts	$ 33.00
20PB-5364	4" Screw in Anchor	$ 284.00
300008	8" Screw in Anchor	$ 492.00
201502	Square Base	$ 146.00
Paint Adder	Paint for Base	$ 26.00
PB-5303-PNC	2 Piece Dec Cover	$ 129.00
20PB-5378	Grounding Lug PB-5378-BRS	$ 16.00
PNS-10-501312GR	Grounding Rod with Clamp and Wire	$ 46.00
201020	Collar	$ 62.00
PB-5325-PXX	Collar Paint	$ 10.00

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PB-5325-PXX	Painted Collar	$	72.00
201120-4	4' Aluminum Pole	$	86.00
201043-5	5' Aluminum Pole	$	97.00
PB-5200-04-GLV	Steel 4' Pole	$	92.00
PB-5201-05-GLV	Steel 5' Pole	$	117.00
PB-5201-05-PXX	Steel 5' Pole (paint)	$	133.00
201007	Cap	$	11.00
Paint Adder	Cap-Painted	$	18.00
Paint Adder	Paint for pole (per ft)	$	3.00
	Polara Installion Labor (CTC)		
CTCINSTALL	APS Install (8 Navigators and CCU,No Wire Pulling) 8 Hours $125 per hour	$	1,000.00
CTCINSTALL	APS Install (8 Navigators and CCU,With Wire Pulling) 8 Hours $125 per hour and 8 hours $210	$	2,680.00
CTCINSTALL	15' Pole Installation – Screw in Anchor or Bolts 4 Hours $260 per hour	$	1,040.00
	MH Corbin Traffic Counters & Measuring Equip		
	NC350 Traffic Analyzers		
121877-350	Portable Traffic Analyzer NC350 Includes: Manual, Battery Charger w/US Plug	$	1,295.00
121877COVER	Protective Cover	$	165.00
121877CABLE	Interface Cable Assembly - USB	$	190.00
121877-300SFT	Highway Data Management Software (HDM -Full Verison)	$	1,100.00
70700052	Highway Data Management Software (HDM -Full Verison, Discounted if customer has previous version)	$	450.00
90300204	Poly Bags - Protective (package of 100)	$	35.00
70002031	Protective Cover Installation Kit- ASPHALT (Includes: 500 washers, screws, 5 bits)	$	380.00
70002030	Protective Cover Installation Kit- CONCRETE (Includes: 500 washers, screws, 5 bits)	$	350.00
121877CHARGER	Charger, NC300/NC200, 110 VAC, US Plug	$	55.00
60002100	Charger, NC300/NC200, 220 VAC, Euro Plug	$	55.00
121877BATERY	NC200 Replacement Battery	$	150.00
660101	Tapecoat Roll (12 inches x 150 feet)	$	374.00
	Nitestar Distance Measuring Equipment		
120659	GPS-DMI Pro (Includes GPS Unit, OBDII Cable, Display Cable, Garmin Antenna, Velcor Carrying Case)	$	995.00
120657	NS-50 NiteStar Distance Measuring Instrument	$	405.00
120668	NS-60 NiteStar Distance Measuring Instrument (RS-232 Port to connect to GPS)	$	560.00
120657-SS10	SS-10 Electronic Interface	$	208.00
120657-CABLEKIT	SS10 Standard Cable Kit (Includes: Sensor to NS Cable, and Sensor to Vehicle Cable. " Standard "Cables)	$	70.00
120608	1082 Wheel Proximity Sensor	$	175.00
120608	1082F Wheel Proximity Sensor with U-Bolt	$	180.00
70004150	1030 Wiring Harness, to be used with the proximity sensor (Includes: Wiring Harness, Terminal Block, Fuse, etc.)	$	60.00
120655	OBD-II Interface Adapter DMI VDT Accessory	$	465.00
120615	NS-50/60 Mounting Bracket	$	38.00
70004065	1080 Transmission Sensor	$	145.00
120611	Target Kit (10 Targets) Use with 1084 Proximity Sensor	$	95.00
120658	Survey Data Management Software (SDM) Package on CD.	$	465.00
120653	RS-232 Cable 1023, needed for use with SDM Software	$	40.00
	Etherwan Ethernet Switches		
	Managed Hardened Switches:		
EG97244-4VCR	Hardened (-40°C - 75°C) Managed 28 Port Layer 3 Ethernet Switch, 28 GE Ports (8 GE RJ45 + 16 GE 100/1000 SFP Ports) + 4 1G/10G SFP+ Ports, Rack Mount, Redundant Internal Universal 100-240VAC Power Supply, IEC Power Connector	$	11,020.00
EX71802-0VB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 8 10/100TX Ports + 2 Gigabit SFP Slots. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,134.00
EX73921-0VB	Hardened (-40°C - 75°C) Managed 12 Port LL3 Gigabit Ethernet Switch with 8 GE Ports + 4 1000Base SFP ports. DIN RAIL Mount, Terminal Block Power Input 12 - 48VDC, power supply sold separately. (LL3 - Light Layer 3 Option Available)	$	1,679.00

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EX73922E-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet Switch with 8 Gigabit Ethernet Ports + 2 100/1000Base SFP ports. DIN-Rail Mount, Terminal Block Redundant Power Input 12-48VDC, power supply sold separately.	$ 1,299.00
EX73922E-0VB-CC	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet Switch with 8 Gigabit Ethernet Ports + 2 100/1000Base SFP ports. DIN-Rail Mount, Terminal Block Redundant Power Input 12-48VDC, power supply sold separately. (With Conformal Coating)	$ 1,749.00
EX73924E-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet Switch with 8 Gigabit Ethernet Ports + 4 100/1000Base SFP ports. DIN-Rail Mount, Terminal Block Redundant Power Input 12-48VDC, power supply sold separately.	$ 1,399.00
EX73931-0VB	Hardened (-40°C - 75°C) Managed 16 Port LL3 Gigabit Ethernet Switch with 12 GE Ports + 4 1000Base SFP ports. DIN RAIL Mount, Terminal Block Power Input 12 - 48VDC, power supply sold separately. (LL3 - Light Layer 3 Option Available)	$ 1,941.00
EX77064-V0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$ 3,045.00
EX75960-0VTU	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 10/100/1000BASE-TX 802.3bt PoE ports + 4 1G SFP Ports. Rack Mount, Terminal Block 52-57VDC Redundant Power Inputs.	$ 2,749.00
EX75964-0VTU	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 10/100/1000BASE-TX 802.3bt PoE ports + 4 1G/10G SFP+ Ports. Rack Mount, Terminal Block 52-57VDC Redundant Power Inputs.	$ 2,999.00
EX77244-V0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$ 2,913.00
EX77244-V0VCR	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Redundant Internal Universal Power Supply, 90VAC-264VAC.	$ 3,333.00
EX77424-V0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$ 2,779.00
EX77424-V0VCR	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Redundant, Internal, Universal Power Supply, 90VAC-264VAC.	$ 2,989.00
EX77604-00VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 Port 10/100 + 4 Gigabit/SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$ 2,646.00
EX77604-00VCR	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 Port 10/100 + 4 Gigabit/SFP Combo Ports. Rack Mount with Redundant Internal Universal Power Supplies, 90VAC-264VAC.	$ 2,909.00
EX77964-8VB	16-port 10/100/1000BASE-TX +8-port 100/1000BASE SFP Combo +4-port 1G/10G SFP+ Hardened Managed Ethernet Switch (12-24VDC) Depth of 254mm allows for installation in smaller enclosures (LL3 - Light Layer 3 Option Available)	$ 3,623.00
EX77964-8VW	Hardened (-40°C - 75°C) Managed 28 Port LL3 Gigabit Ethernet Switch, 24 GE Ports (16 GE RJ45 + 8 GE Combo SFP Ports) + 4 1G/10G SFP+ Ports, Rack Mount, Internal Universal 90-260VAC Power Supply, Terminal Block Power Connector (LL3 - Light Layer 3 Option Available)	$ 3,938.00
EX77964-8VWR	Hardened (-40°C - 75°C) Managed 28 Port LL3 Giagbit Ethernet Switch, 24 GE Ports (16 GE RJ45 + 8 GE Combo SFP Ports) + 4 1G/10G SFP+ Ports, Rack Mount, Redundant Internal Universal 90-260VAC Power Supply, Terminal Block Power Connector (LL3 - Light Layer 3 Option Available)	$ 4,043.00
EX78162-0VB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 16 10/100 PoE Ports + 2 Gigabit Ports, 802.3at 30W PoE available on all Ports, Rear Mount Terminal Block Power Input 48VDC - 57VDC. 240W	$ 2,625.00
EX78921-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 12 Gigabit Ports, (8 GE PoE+ 60W) + 4 GE Non PoE + 4 1000Base SFP ports. IEEE802.3at 60W on Ports 1-8 with 240W PoE power budget. DIN RAIL Mount, Terminal Block Power Input 52VDC - 57VDC, power supply sold separately. (LL3 - Light Layer 3 Option Available) 240W	$ 2,046.00
EX78924E-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 8 Gigabit PoE Ports + 4 100/1000Base SFP ports. IEEE802.3bt 60W on 4 ports with 240W PoE power budget. DIN-rail mount, Terminal Block Redundant Power Input 52-57VDC, power supply sold separately.	$ 1,699.00

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EX78924E-0VB-CC	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 8 Gigabit PoE Ports + 4 100/1000Base SFP ports. IEEE802.3bt 60W on 4 ports with 240W PoE power budget. DIN-rail mount, Terminal Block Redundant Power Input 52-57VDC, power supply sold separately. Conformal Coating, 50pcs minimum	$ 2,124.00
EX78931-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 12 Gigabit Ports (8 PoE+ 60W & + 4 GE Non PoE) + 4 1000Base SFP ports. IEEE802.3at 60W on Ports 1-8 with 240W PoE power budget. DIN RAIL Mount, Terminal Block Power Input 52VDC - 57VDC, power supply sold separately. (LL3 - Light Layer 3 Option Available) 240W	$ 2,361.00
EX78934E-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 12 Gigabit PoE Ports + 4 100/1000Base SFP ports. IEEE802.3bt 60W on 4 ports with 240W PoE power budget. DIN-rail mount, Terminal Block Redundant Power Input 52-57VDC, power supply sold separately.	$ 1,849.00
EX78934E-0VB-CC	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 12 Gigabit PoE Ports + 4 100/1000Base SFP ports. IEEE802.3bt 60W on 4 ports with 240W PoE power budget. DIN-rail mount, Terminal Block Redundant Power Input 52-57VDC, power supply sold separately. Conformal Coating, 50pcs minimum	$ 2,311.00
	Hardened Unmanaged Switches:	
EX41922	Hardened (-40°C to 75°C) Unmanaged 4 10/100/1000BaseX port Ethernet switch, 2 Gigabit RJ45 + 2 Dual Rate 100/1000 SFP ports. Din-Rail Mount, Redundant 12-48VDC Power Input, Port Fault & Power Failure Alarm Relay.	$ 329.00
EX41922-T	Hardened (-40°C to 75°C) Unmanaged 4 port Ethernet switch, 2 802.3at PoE Gigabit ports + 2 Dual Rate 100/1000 SFP ports. 60W PoE Power Budget, Din-Rail Mount, Redundant 12-48VDC Power Input, Port Fault & Power Failure Alarm Relay. 60W	$ 415.00
EX42305	5 Port Hardened (-40°C - 75°C) PoE+ Ethernet Switch 4 10/100 BaseT 802.3at PoE Ports + 1 Gigabit Port, 120W PoE Power Budget, DIN Rail Mounting , Supports QoS, EEE, 24/48VDC Terminal Block Power Input, Power supply sold separately. 120W	$ 625.00
EX42315-3	6 Port Hardened (-40°C - 75°C) PoE+ Ethernet Switch 4 10/100 BaseT 802.3at PoE Ports + 1 Gigabit RJ45 Port + 1 Fiber Port, 120W PoE Power Budget, DIN Rail Mounting , Supports QoS, EEE, 24/48VDC Terminal Block Power Input, Power supply sold separately. 120W	$ 793.00
EX42315-V	6 Port Hardened (-40°C - 75°C) PoE+ Ethernet Switch 4 10/100 BaseT 802.3at PoE Ports + 1 Gigabit RJ45 Port + 1 SFP Port, 120W PoE Power Budget, DIN Rail Mounting , Supports QoS, EEE, 24/48VDC Terminal Block Power Input, Power supply sold separately. 120W	$ 693.00
EX42315-4	6 Port Hardened (-40°C - 75°C) PoE+ Ethernet Switch 4 10/100 BaseT 802.3at PoE Ports + 1 Gigabit RJ45 Port + 1 Fiber Port, 120W PoE Power Budget, DIN Rail Mounting , Supports QoS, EEE, 24/48VDC Terminal Block Power Input, Power supply sold separately. 120W	$ 887.00
EX42315-A	6 Port Hardened (-40°C - 75°C) PoE+ Ethernet Switch 4 10/100 BaseT 802.3at PoE Ports + 1 Gigabit RJ45 Port + 1 Fiber Port, 120W PoE Power Budget, DIN Rail Mounting , Supports QoS, EEE, 24/48VDC Terminal Block Power Input, Power supply sold separately. 120W	$ 887.00
EasyLink-300-US	Wireless Bridge Kit - Contains two paired Wireless Bridge Units, 2 x 24VDC, 1.5A Power Supplies, 2 x Passive PoE Injectors and 2 x Mounting Kits. 300Mbps, Hardened (-40C - +70C). Supports 6VDC to 30VDC Passive PoE	$ 379.00
EX42395BT	6 Port Hardened (-40°C - 75°C) PoE+ Ethernet Switch 4 10/100/1000 BaseT 802.3bt PoE Ports + 1 Combo Gigabit RJ45/SFP Port + 1 Gigabit SFP Port, 240W PoE Power Budget, DIN Rail Mounting, 52-56VDC Terminal Block Power Input, Power supply sold separately.	$ 499.00
INJ90BT-24	Hardened (-40°C - 75°C) Gigabit PoE Injector with 802.3bt PoE, 90W Power Output, DIN Rail Mounting, 24-56VDC Terminal Block Power Input, Power supply sold separately.	$ 249.00
EX94006-00-1-AA	Hardened (-40°C ~ 75°C) Unmanaged 6-port 10/100BASE-TX Ethernet Switch. DIN Rail Mount, Terminal Block with Alarm Relay (12~48VDC) Power Input, Power Supply sold Separately.	$ 887.00
EX94008-00-1-AA	Hardened (-40°C ~ 75°C) Unmanaged 8-port 10/100BASE-TX Ethernet Switch. DIN Rail Mount, Terminal Block with Alarm Relay (12~48VDC) Power Input, Power Supply sold Separately.	$ 284.00
	Media Converters:	
EL900-A-B-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$ 252.00
EL900-A-B-1-C	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. 24 VAC Terminal Block Power, Complies with U/L 1604	$ 278.00
EL900-A-N-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$ 378.00
EL900-A-O-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$ 515.00
	Ethernet Extenders	

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ED3501-U	Industrial (-10°C - 60°C) VDSL2 Ethernet Extender with 1 10/100TX Port to 1 Pair of straight or twisted copper wire. Shelf, Panel or Chassis Mount, Power Supply Included 100 VAC - 240VAC.	$ 314.00
ED3541	Hardened (-40°C - 75°C) VDSL2 Ethernet Extender with 1 10/100TX Port to 1 Pair of straight or twisted copper wire. Din Rail or Panel Mount. Terminal Block power connector, power input range 12 - 48VDC.	$ 478.00
ED3575-622	Hardened (-40°C - 75°C) Managed Switch with 2 VDSL2 Ethernet Extender ports. 6 10/100TX, + Gigabit SFP Combo + 2 Copper Pair VDSL2 Ports. Din Rail or Panel Mount. Terminal Block power connector, redundant 12 - 48VDC power input.	$ 1,775.00
	Conformal Coating (-CC)	
Conformal Coating Option	A -CC at the end of any hardened switch, media converter or extender indicates that this model shall have the PCB conformal coated with moisture and fungus resistant coating. Orders or less than 30 units of the same model will require the Conformal Coating Setup Fee of $500	$ 100.00
Conformal Coating - Setup	Conformal Coating setup fee - fee is waived for orders of 30 or more units of the same model.	$ 500.00
	Power Supplies:	
DR-30-24	Power Supply, (-10C - +60C) 30 Watts 24VDC Output Industrial DIN-Rail Power Supply	$ 42.00
DR-60-24	Power Supply, (-10C - +60C) 60 Watts 24VDC Output Industrial DIN-Rail Power Supply	$ 63.00
DR-75-48	Power Supply, (-10C - +60C) 75 Watts 48VDC Output Industrial DIN-Rail Power Supply	$ 89.00
EDR-75-24	Power Supply, (-20C - +60C) 75 Watts 24VDC Output Industrial DIN-Rail Power Supply	$ 89.00
EDR-75-48	Power Supply, (-20C - +60C) 75 Watts 48VDC Output Industrial DIN-Rail Power Supply	$ 89.00
EX41-145044-1	Power Supply, Hardened (-40C - +75C) External 100-240 VAC Input; TS2 rated; has DC Jack for DC Power Connection - 45W, 12VDC, 0-3.7A	$ 100.00
EX41-145046-1	Power Supply, Hardened (-40C - +75C) External, TS2 rated; Input Rating - 90-264VAC (47-63Hz), Output Rating 45W, 12VDC, 0-3.7A	$ 100.00
MDR-40-48	Power Supply, Industrial (-20C - +70C) External 100-240VAC Input, TS2 Rated, 48VDC Output @ 20W.	$ 50.00
NDR-120-48	-20 ~ +60C Input: 90-264VAC, Output: 48VDC 120W/2.5A DIN-Rail 48VDC Industrial Power Supply	$ 104.00
NDR-240-48	-20 ~ +60C Input: 90-264VAC Output: 48VDC 240W/5A DIN-Rail 48VDC Industrial Power Supply	$ 168.00
SDR-120-48	Power Supply, (-25°C - 60°C) 120 Watts 48VDC Output Industrial DIN-Rail Power Supply	$ 152.00
SDR-240-48	Industrial (-25C - +70C) 240W Power Supply, Input: 90VAC - 260VAC, Output: 48VDC @ 5 A, DIN Rail Mount, Terminal Block Connections	$ 226.00
	SFP Modules:	
EX-0155NSP-MB2L-A	SFP Module, Hardened (-40C - +75C) 100FX 2KM 1310nm	$ 158.00
EX-0155TSP-MB5L-A	SFP Module, Hardened (-40C - +75C) 100FX SFP SM 15KM, LC Connector	$ 313.00
EX-0155TSP-MB6L-A	SFP Module, Hardened (-40C - +75C) 100FX SFP SM 40KM	$ 368.00
EX-1250NSP-SB1L-AS	SFP Module, Hardened (-40C - +75C) Gigabit	$ 152.00
EX-1250TSP-MB2L-AS	SFP Module, Hardened (-40C - +75C) Gigabit MM 2Km 1310nm (Duplex LC)	$ 268.00
EX-1250TSP-MB4L-AS	SFP Module, Hardened (-40C - +75C) Gigabit, Gigabit SM 10KM, LC Connector	$ 224.00
EX-1250TSP-MB5L-AS	SFP Module, Hardened -40 to 85°C/-40 to 185°F), Gigabit SM 20KM (2 LC)	$ 379.00
EX-LS38-C3L-TI-N-EB	SFP Module, Hardened -40 to 85°C/-40 to 185°F, Gigabit SM 40KM (2 LC), DDM, 1310nm	$ 541.00
EX-LS48-C3U-TI-N-EB	SFP Module, Hardened -40 to 85°C/-40 to 185°F, Gigabit SM 70KM (2 LC), DDM, 1550nm	$ 741.00

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SFPTIS10M	SFP Module, Hardened -40 to 85°C/-40 to 185°F, 10-Gigabit SM 10KM (2 LC), DDM, 1310nm	$ 945.00
SFPTIS20M	SFP Module, Hardened -40 to 85°C/-40 to 185°F, 10-Gigabit SM 20KM (2 LC), DDM, 1310nm	$ 998.00
	Wireless:	
EW75200-0804	Hardened (-40°C - 70°C) Managed IP67 Dual Band 802.11ac, Wireless Bridge/Access Point with 5GHz/8dBi Omni Directional Antenna and 2.4GHz/4dBi Omni Directional Antenna. Powered by 802.3af/at PoE	$ 1,364.00
EW75200-1304	Hardened (-40°C - 70°C) Managed IP67 Dual Band 802.11ac, Wireless Bridge/Access Point with 5GHz/13dBi Internal Panel Antenna and 2.4GHz/4dBi Omni Directional Antenna. Powered by 802.3af/at PoE	$ 1,311.00
EW75000-08	Hardened (-40°C - 70°C) Managed IP67 Single Band 802.11ac, Wireless Bridge/Access Point with 5GHz/8dBiOmni Directional Antenna. Powered by 802.3af/at PoE	$ 1,095.00
EW75000-13	Hardened (-40°C - 70°C) Managed IP67 Single Band 802.11ac, Wireless Bridge with 5GHz/13dBi Internal Panel Antenna. Powered by 802.3af/at PoE	$ 996.00
	Cellular Routers and Accessories:	
C4G-M-4P3M	C4G-M-4P3M-PS LTE Router with integrated: LTE-A (CAT6 300M / 50M), GPS/GNSS, 4 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), 2 x Digital Inputs, Alarm Relay, RS485 half-duplex, IP54 enclosure. North American power adapter included.	$ 1,013.00
C4G-M-4P3MW	C4G-M-4P3MW-PS LTE Router with integrated: LTE-A (CAT6 300M / 50M), GPS/GNSS, Wireless LAN (2.4/5 GHz), 4 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), 2 x Digital Inputs, Alarm Relay, RS485 half-duplex, IP54 enclosure. North American power adapter included.	$ 1,166.00
C4G-M-4P6FW	C4G-M-4P6FW-PS FirstNet Ready LTE Router with integrated: LTE-A PRO (CAT12 600M with B14 NA support), GPS/GNSS, Wireless LAN (2.4/5 GHz), 4 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), 2 x Digital Inputs, Alarm Relay, 485 half-duplex, IP54 enclosure. North American power adapter included.	$ 1,785.00
C4G-M-4P6M	C4G-M-4P6M-PS LTE Router with integrated: LTE-A PRO (CAT12 600M / 150M), GNSS, 4 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), 2 x Digital Inputs, Alarm Relay, RS485 half-duplex, IP54 enclosure. North American power adapter included.	$ 1,279.00
C4G-M-4P6MW	C4G-M-4P6MW-PS LTE Router with integrated: LTE-A PRO (CAT12 600M / 150M), GPS/GNSS, Wireless LAN (2.4/5 GHz), 4 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), 2 x Digital Inputs, Alarm Relay, RS485 half-duplex, IP54 enclosure. North American power adapter included.	$ 1,433.00
C4G-PSU-AU	1 x PSU 12 VDC / 2 A with 4 pin Molex connector, 1.8m / 6ft cable and AUS wall plug for C4G Desktop Router product lines.	$ 49.00
C4G-PSU-EU	1 x PSU 12 VDC / 2 A with 4 pin Molex connector, 1.8m / 6ft cable and Euro wall plug for C4G Desktop Router product lines.	$ 49.00
C4G-PSU-UK	1 x PSU 12 VDC / 2 A with 4 pin Molex connector, 1.8m / 6ft cable and UK wall plug for C4G Desktop Router product lines.	$ 49.00
C4G-PSU-US	1 x PSU 12 VDC / 2 A with 4 pin Molex connector, 1.8m / 6ft cable and NA wall plug for C4G Desktop Router product lines.	$ 49.00
C4G-PSU-US-H	Power Supply, Hardened (-40C - +75C) External, TS2 rated; Input Rating - 90-264VAC (47-63Hz), Output Rating 45W, 12VDC, 0-3.7A for C4G Desktop Router product lines.	$ 99.00
C4G-S-1P3M	C4G-S-1P3M-PS LTE Router with integrated: LTE-A (CAT6 300M / 50M), GPS/GNSS, 1 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), IP54 enclosure. North American power adapter included.	$ 871.00
C4G-S-1P6M	C4G-S-1P6M-PS LTE Router with integrated: LTE-A PRO (CAT12 600M / 150M), GPS/GNSS, 1 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), IP54 enclosure. North American power adapter included.	$ 1,005.00
C4G-WIFI2ANT	2 x Wi-Fi Antenna with RP-SMA direct attach connector for C4G Router product line.	$ 37.00
C4G-4PIN-PT	1 x pigtail cable with 4 pin Molex connector, 3m / 10ft for C4G Desktop Router product lines for GPIO and power.	$ 29.00

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C4G-8PIN-PT	1 x pigtail cable with 8 pin Molex connector, 3m / 10ft for C4G Desktop Router product lines	$	29.00
C4G-DIN	Universal DIN Rail Router Mount for C4G Series. The router can be attached either on the side or flat on the bottom.	$	29.00
C4G-GPS1ANT	1 x GPS/GNSS (GPS, Galileo, Glonass, Beidou) Passive Antenna with 5m / 16ft cable SMA connector for C4G Router product line.	$	39.00
C4G-LTE2ANT	2 x LTE Antenna with SMA direct attach connector for EW-CELL4G product line.	$	49.00
	ACCESSORIES:		
PC-183-72	Power Cord, 6' 18AWG / 3C Unshielded, NEMA 5-15P Plug, ROJ 2 5/8" Stripped	$	15.00
KR-BKNEMA	Bracket for NEMA cabinet shelf that can mount EX77964	$	50.00
KR-BKZDIN	Z-shaped rack vertical mounting bracket for DIN-rail switches (EX78900/78000/73900), black, set of 1	$	20.00
KR-BKZDIN2	Z-shaped rack horizontal mounting bracket for DIN-rail switches (EX78900/78000/73900), black, set of 1	$	20.00
KR-BKZDIN2-D	Din-rail configuration for Z-shaped rack horizontal mounting bracket for DIN-rail switches (EX78900/78000/73900), black, set of 1	$	25.00
KR-BKZDIN-D	Din configuration for Z-shaped rack vertical mounting bracket for DIN-rail switches (EX78900/78000/73900), black, set of 1	$	25.00
KR-DINRAILB	TransRack 19 rack mount adjustable DIN rail bracket"	$	129.00
PD1041	Hardened (-40°C - 75°C) Gigabit PoE Surge Protection Device, supporting 10/100/1000BaseT and 802.3at PoE pass through surge protection. Din-Rail mounting.	$	89.00
PD3041	Hardened (-40°C - 75°C) Copper Pair/DSL Surge Protector, RJ11 and Terminal Block Connector for input and output pairs, 10kv total surge current protection, IEC 61643-21, UL497B , Din-Rail mounting.	$	100.00
	Dymec Ethernet Switches		
	Ethernet Switches		
489997	10 Port (CSV,CCT,KY-1 Button Support, DDMI) Rugedized Din Rail or Shelf Mount 10 Gig Ethernet Switch	$	1,553.00
489998	10 Port 10 gig (CSV,CCT,KY-1 Button Support, DDMI)Rack Mount Ethernet Switch 1 Gig (Oklahoma City) (Phasing out in 2019 replace with KY-3170XM below)	$	1,345.00
489998	10 Port (CSV,CCT,KY-1 Button Support, DDMI)Rack Mount Ethernet Switch 1 Gig (Oklahoma City)	$	1,349.00
489999	4 Port Daughter Card	$	414.00
490000	8 Port Daughter Card	$	518.00
0	ITS 10 Port Managed Layer 2 Ethernet 10 Gig Rack Mount Ethernet Switch	$	899.00
490001	ITS 10 Port Rack Mount Gigabit Ethernet Switch (Tulsa OK)	$	934.00
490002	Non Rack Mount Ethernet Switches	$	674.00
490002PS	Power Supply Ethernet Switch	$	47.00
490002SP	RJ45 Surge protection Device	$	42.00
490002SPPOE	POE RJ45 Surge protection Device	$	57.00
4900003	KY 1 Button Back Up Restore Unit	$	156.00
4900004	LX 20 Km/A	$	116.00
4900005	LX 20 KM/B	$	116.00
4900006	VDSL A	$	207.00
4900007	VDSL B	$	207.00
4900007	VDSL B	$	78.00
4900008	Ethernet Extender	$	275.00
0	DBU Flash Drive Config Device	$	99.00
	McCain Traffic Controllers		
	McCain Controllers and Transparity/Omni Software		
193317R	Rack Mount Flex Controller- ATC Cabinet (W/ Omni Software)	$	3,000.00
M73101RA	Rack Mount Flex Controller- Caltrans Cabinet (W/ Omni Software)	$	3,336.00
193317	Shelf Mount Flex Controller- ATC Cabinet (W/ Omni Software)	$	2,952.00
M73101SA	Shelf Mount Flex Controller- Caltrans Cabinet (W/ Omni Software)	$	3,384.00
M57970	ATC NEMA eX2 TS-2 Type 1 W/ Omni software	$	2,604.00
193000	ATC NEMA eX2 TS-2 Type 2 W/ Omni software	$	2,988.00
M46541	2070 ATC w/ 2E (Harris County) w/ Omni software	$	3,215.00
M57355	2070 ATC W/ 2B w/ Omni software	$	2,999.00
193002	2070L w/7A Module (Houston) w/ Omni software	$	3,323.00
193003	2070 GPS Plug In Module	$	599.00
193001	2070-E w/ Omni Software	$	3,326.00
193012	2070LX 1C, 2e+, 3b-lx, 4, Linux (No Omni)	$	2,340.00
M33160	2070L	$	3,072.00
M66670	ATC NEMA eX2 TS-2 Type 1 W/ D4 software	$	2,785.00
M46539	ATC NEMA eX2 TS-2 Type 2 W/ D4 software	$	3,106.00

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M52565	170E-2C Mach PIN Socket (El Paso)	$ 3,213.00
Transparity	Transparity Software (1-50 Controllers)	$ 40,800.00
Transparity	Transparity Software (51-100 Controllers)	$ 76,500.00
Transparity	Transparity Software (101-150 Controllers)	$ 107,100.00
Transparity	Transparity Software (151-200 Controllers)	$ 132,600.00
Transparity	Transparity Software (201-300 Controllers)	$ 153,000.00
Transparity	Transparity Software (301-400 Controllers)	$ 183,600.00
Transparity Maint	Annual Software Maitenance (1-100 controllers)	$ 6,000.00
Transparity Maint	Annual Software Maitenance (101-150 controllers)	$ 8,100.00
Transparity Maint	Annual Software Maitenance (151-200 controllers)	$ 9,600.00
Transparity Maint	Annual Software Maitenance (201-300 controllers)	$ 12,600.00
Transparity Maint	Annual Software Maitenance (301-400 controllers)	$ 14,400.00
Omni	Omni Software per Controller	$ 1,200.00
	Traffic Cabinets	
	McCain ITS Cabinets	
M62850	Harris County 340 ITS Cabinet (No Controller/GPS) Includes 2070 ATC Controller, CMU-212, AMU-214, SIU-218, Locks, Flashers, Load Swiches, DC and AC Isolators, 222S Detectors and 430 Xfer Relays	$ 18,350.00
193202	Houston 340 ITS Cabinet (With Controller and GPS)Includes 2070 1B Controller with 7A and GPS Modules, CMU-218, AMU-212, SIU-218, Locks, Flashers, Load Swiches, DC and AC Isolators, 222S Detectors and 430 Xfer Relays	$ 20,042.00
M62854	Houston 342 ITS Cabinet Includes 2070L Controller with 7A and GPS Modules, CMU-212, AMU-214, SIU-218, Locks, Flashers, Load Swiches, DC and AC Isolators, 222S Detectors and 430 Xfer Relays	$ 15,715.00
M62855	Houston 346 ITS Cabinet Includes 2070L Controller with 7A and GPS Modules, CMU-212, AMU-214, SIU-218, Locks, Flashers, Load Swiches, DC and AC Isolators, 222S Detectors and 430 Xfer Relays	$ 12,486.00
193201	332 San Antonio Cabinet Includes 2070E Controller, CMU-212, Anchor Bolts, Locks, Flashers, Load Swiches, DC and AC Isolators and 430 Xfer Relays	$ 10,997.00
M76287	332S San Antonio Cabinet (Add Controller) Includes CMU-212, Anchor Bolts, Locks, Flashers, Load Swiches, DC and AC Isolators and 430 Xfer Relays	$ 8,300.00
193203	332 El Paso Cabinet Includes 170-2C Controller, CMU-210, Anchor Bolts, Locks, Flashers, Load Swiches, DC and AC Isolators, Fiber and Voice Modems and 430 Xfer Relays	$ 12,636.00
193201 DAL	332 Dallas 18 Channel Cabinet (Add Controller) Includes CMU-2018 KCLiP, LMD 622T Detectors, Corbin Locks, Aux File, Flashers, LS 200 Load Swiches, 242 DC Isolators and Flash Xfer Relays	$ 9,235.00
M32644	332 Irving Cabinet (Add Controller) Includes CMU-2010 ECLiP, LMD 622T Detectors, Locks, Aux File, Flashers, LS 200 Load Swiches, 242 DC Isolators and Flash Xfer Relays	$ 11,310.00
193201 LUB	332 Lubbock Cabinet (Add Controller) Includes Flashers, LS 200 Load Swiches, 242 DC Isolators and Flash Xfer Relays	$ 9,294.00
193216	332 Austin Cabinet (Add Controller) Includes Both Doors Louvered, Flashers, LS 200 Load Swiches, 242 DC Isolators and Flash Xfer Relays	$ 8,896.00
0	McCain ATC Cabinets	$ -
193215	358i ATC Backpack Cabinet, Fully Loaded, NO Controller,	$ 7,688.00
M53391	358i ATC STRETCH Backpack Cabinet, Fully Loaded, NO Controller,	$ 7,856.00
M54705	356i ATC Cabinet, Fully Loaded, NO Controller,	$ 10,882.00
M54123	352i Cabinet ATCC-HV, IA-24CH, OA-16CH, FOTA, SA, Nat	$ 11,747.00
193223	352i Cabinet ATCC-HV, IA-24CH, FITA-24CH, (2) FOTA-16CH	$ 15,882.00
193209	350i ATC Cabinet 16 Ch OP, Fully Loaded, NO Controller,	$ 14,382.00
M56764	350i ATC Cabinet 16 Ch OP, Fully Loaded, NO Controller,	$ 18,294.00
0	McCain Agency Specific ATC Cabinets	$ -
M78586	353i ATCC-HV Allen IA-24CH, OA-32CH, FOTA 16CH(2), SA,Gen Inlet Cabinet Includes CMU, 9 LS 2202 Flashers, SIU 2218-MC, 6 Detection Suppressors, 9 HDSP Suppressors, ISO DC 244L 4CH HalfWidth LS, 2202 Load Switches	$ 18,376.00
M78586	353i ATCC-HV Allen (With 8 Relays and 8 Load Switched REMOVED) IA-24CH, OA-32CH, FOTA 16CH(2), SA,Gen Inlet Cabinet Includes CMU, 9 LS 2202 Flashers, SIU 2218-MC, 6 Detection Suppressors, 9 HDSP Suppressors, ISO DC 244L 4CH HalfWidth LS, 2202 Load Switches	$ 16,370.00
193204MC	352i Montgomery Cnty ATCC-HV, IA-24CH, FITA-24CH, OA-16CH, SA, NAT Cabinet (Add Controller) Includes CMU-2212 LV-MC 32 Channel w/ Ethernet port, 2 SIU-2218's, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply and Isolators	$ 10,502.00

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M56764	350i Cedar Park ATCC-HV, IA-24CH, FITA-24CH, OA-16CH, SA (TWO FLASHER), NAT Cabinet (Add Controller) Includes CMU-2212 LV-MC 32 Channel w/ Ethernet port, 2 SIU-2218's, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply and Isolators	$ 15,587.00
193206	352i Coppell Cabinet Black NO Controller, Includes CMU-2212 HV (ip) 32 Channel w/ Ethernet port, 2 SIU-2218's, 2 10" Shelves EIA Mount, Aux Unit Display, Locks, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply and Isolators	$ 11,706.00
193204	352i Fort Worth Cabinet Add Controller 1 FOTA-16CH, Includes CMU-2212 HV (ip) 32 Channel w/ Ethernet port, 2 SIU-2218's, 2 10" Shelves EIA Mount, Aux Unit Display, Locks, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply	$ 10,588.00
M55409	352i Fort Worth Cabinet Add Controller (2 FOTA-16CH), Includes CMU-2212 HV (ip) 32 Channel w/ Ethernet port, 2 SIU-2218's, 2 10" Shelves EIA Mount, Aux Unit Display, Locks, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply	$ 13,394.00
193204 DAL	352i Dallas ATCC-HV, IA-48CH, 2 FITA-24CH, OA-32CH, 2 FOTA-16CH, SA, Includes 18 LS 2202-HV-MC HDSP Flashers, 4 SIU-2218's, CMU, 2212 HV-MC(ip), 32 Channel w/ Ethernet port, 12 Detection Suppressors, HESCO HE6LC-6, 16 HDSP Suppressor HESCO HE103C-9	$ 15,774.00
0	352i Dallas ATCC-HV, IA-48CH, 2 FITA-24CH, OA-16CH, FOTA-16CH, SA, Includes Dual Flasher Service Assy, 10 LS 2202-HV-MC HDSP Flashers, 3 SIU-2218's, CMU, 2212 HV-MC(ip), 32 Channel w/ Ethernet port, 12 Detection Suppressors, HESCO HE6LC-6, 8 HDSP Suppressor HESCO HE103C-10	$ 12,688.00
193217	353i Garland (and Grapevine Allen) Cabinet Includes Aux Display, Input Test Panel/Card, 9 LS 2202 Flashers, 2 SIU 2218-MC, 12 Suppressors, 8 HDSP Suppressors, 4 EDI Oracle 4H Det, EDI, ISO DC 242 4CH HalfWidthLS 200 Load Switches, 242 DC Isolators and Flash Xfer Relays	$ 13,277.00
M76592	352i Garland Cabinet NO Controller, Includes CMU-2212 HV (ip) 16 Channel w/ Ethernet port, 2 SIU-2218's, 2 10" Shelves EIA Mount, Aux Unit Display, BEST Locks, 1 ATC Flasher, 8 Load Switches, and 24 HV ATC Power Supply	$ 12,370.00
M91004	353i ATCC-HV Grapevine Cabinet IA-24CH,FITA-24CH, OA-16CH,SA, Gen Inlet, NAT/WHITE, Input Test Panel, 9 LS 2202 Flashers, 2 SIU 2218-MC, 6 Suppressors, 9 HDSP Suppressors, 4 EDI Oracle 4H Det, ISO DC 244L 4CH HalfWidth, LS 2202 Load Switches	$ 13,664.00
193217WYLIE	353i ATCC-HV Wylie Cabinet IA-24CH,FITA-24CH, OA-16CH, NAT/ WHITE, 9 LS 2202 Flashers, 2 SIU 2218-MC, 6 Suppressors, 9 HDSP Suppressors, 4 EDI Oracle 4H Det, ISO DC 244L 4CH HalfWidth, LS 2202 Load Switches	$ 13,010.00
M55515	352i Montgomery County ATCC-HV, IA-24CH, FITA-24CH, OA-16CH, SA, NAT Cabinet (Add Controller) Includes CMU-2212 LV-MC 32 Channel w/ Ethernet port, 2 SIU-2218's, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply and Isolators, Battery Charging Slide out Shelf	$ 11,326.00
M73473	350i Montgomery County ATCC-HV, IA-24CH, FITA-24CH, OA-16CH, SA, NAT Cabinet (Add Controller) Includes CMU-2212 LV-MC 32 Channel w/ Ethernet port, 2 SIU-2218's, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply and Isolators	$ 14,462.00
M55409	352i ATCC-HV Lubbock IA-24CH, FITA-24CH, OA-32CH, (2 FOTA-16CH), SA, NAT Cabinet Add Controller, Includes CMU-2212 LV 32 Channel w/ Ethernet port, 2 SIU-2218's, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply	$ 15,147.00
M91132	352i ATCC-HV Lubbock IA-24CH, FITA-24CH, OA-32CH, (2 FOTA-16CH), SA, NAT Cabinet (Add Controller), Includes CMU-2212 LV 32 Channel w/ Ethernet port, 2 SIU-2218's, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply	$ 12,617.00
M78508-SC	353i ATCC-HV Prosper Cabinet IA-24CH,FITA-24CH, OA-16CH, PWDR, (Add Controller) 9 LS 2202 Flashers, 2 SIU 2218-MC, 6 Suppressors, 9 HDSP Suppressors, 4 EDI Oracle 4H Det, ISO DC 244L 4CH HalfWidth, LS 2202 Load Switches	$ 14,962.00
M55517	356i ATCC-HV Prosper Cabinet IA-24CH,FITA-24CH, OA-16CH, NAT, (Add Controller)	$ 11,641.00
M91096	P44 Rack ATCC-HV Tyler Cabinet IA-24CH,FITA-24CH, OA-16CH, SA, Gen, (Add Controller)	$ 15,787.00
pending	353i Arlington Cabinet Includes CMU, SIU, HDSP, ADU and CPS (Rack BOM) , Fiber Optic 12 port RackMount (616SMSC)	$ 10,810.00
	McCain ITS Cabinet Accessories	
M14317	Corbin Locks L/H (2 required for 340 Cabinet)	$ 44.00
M14318	Corbin Locks R/H (2 Required for 340 Cabinet)	$ 44.00
M50061	222S Detector	$ 133.00
M56812	DC 242L EDI Isolator	$ 38.00
M11422	252 AC Isolator	$ 36.00

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M34480	AMU-214, EDI	$ 260.00
M34482	SIU-218, EDI	$ 244.00
M34481	CMU-212, EDI	$ 526.00
M68359	CMU 2018 KCLiP	$ 828.00
M84650	CMU Data Key Programmer (USB)	$ 450.00
M11556	430 X-Fer Relay	$ 28.00
	McCain ATC Cabinet Accessories	
M36255	AUXILLARY UNIT DISPLAY	$ 513.00
M36256	LS, 2202-HV-MC HDSP/Flasher Unit ATC	$ 194.00
M36258	SIU, 2218 ATC	$ 240.00
M36259	CMU, 2212-HV-MC (ip) 32 CH w/ Ethernet Port, ATC	$ 640.00
M35344	Detection Suppressor, EDCO MRA-6LC	$ 23.00
M31647	HDSP Suppressor EDCO	$ 18.00
M59831	Auxillary Display Unit For Backpack Cabinet	$ 438.00
M36261	EDI Power Supply 2216 (24,48VDC)	$ 473.00
M58360A	ASSY, PBC ATC Input Test Card	$ 281.00
M73860	ATC Cabinet Input Test Panel	$ 325.00
M74151	Kit, ATC Cabinet Input Test Panel	$ 413.00
M73140	Railroad Interface Panel, ATC Cabinet Rack Mount	$ 281.00
	McCain NEMA Cabinets & Accessories	
M47800	P-44 Cab TS2 Type 1 (TxDOT) Fully Loaded, BIU, MMU,FTR,LS, PS (Add Controller)	$ 10,495.00
M76680	P-44 Cab TS2 Type 1 Farmers Branch Fully Loaded, BIUs, MMU,FTR,16LSs,PS, (Add Controller)	$ 12,693.00
M57202	P-44 Cab TS2 Type 1 Front and Rear Door Fully Loaded (Add Controller)	$ 12,693.00
193205	P-44 Cab TS2 Type 1 Front and Rear Door (McKinney) Powder Coated Fully Loaded (Add Controller)	$ 12,064.00
F02	P-44 Cab TS2 Type 2 Front and Rear Door (Allen) (Add Controller)	$ 11,610.00
M78245	P-44 Cab TS2 Type 1 Stretch Cab (Flower Mound) Powder Coated 16 Load Switches (Add Controller)	$ 9,434.00
M78246	Size 6 Cab TS2 Type 1 (Arlington) Fully Loaded, 16 LS, 32 DET-CH, 4PE-CH (Add Controller)	$ 12,551.00
M57970	ATC NEMA eX2 TS-2 Type 1 W/ Omni software	$ 2,713.00
193000	ATC NEMA eX2 TS-2 Type 2 W/ Omni software	$ 3,113.00
193002	2070L w/7A Module (Houston) w/ Omni software	$ 3,461.00
193003	2070 GPS Plug In Module	$ 624.00
193300	EDI 16 Channel Enhanced TS2 NEMA Monitor	$ 679.00
193313	EDI 16 Channel LCD Enhanced TS2 NEMA Monitor	$ 776.00
193302	EDI 16 Ch LCD Enhanced TS2 NEMA Monitor W/ Ethernet	$ 906.00
MMU2-16LEIP-115	EDI 16 Channel LCD Enhanced TS2 Smart Monitor	$ 1,039.00
260026	EDI TS2 Heavy Duty Power Supply 250 TXDOT	$ 446.00
260008	EDI BIU 700 (3 required)	$ 245.00
M81188	EDI Oracle 2E (Loop Amplifier)	$ 216.00
280911	Model 204 Flasher	$ 25.00
280910	Model 200 Load Switch	$ 24.00
193117	430 Transfer Relay	$ 28.00
M58340A	ASSY, PBC NEMA Input Test Card	$ 281.00
M58985	Alarm Input File Module	$ 350.00
M14663	NEMA Adapter Base (Garland)	$ 325.00
M55433	Suitcase Tester, 170/2070 Controller w/ IO Matrix Display	$ 2,938.00
M55434	Suitcase Tester, 170/2070 Controller w/ Intersection Display	$ 2,938.00
M58800 et al	Cabinet Test Display (specify Voltage and Lugs)	$ 938.00
M54419A	Railroad Interface Panel, Nema/Caltrans PCB	$ 281.00
M54419A et al	Railroad Interface Panel Harness and Mounting Kit, Specify C5/C11 and lugs	$ 231.00
	Signal Cabinets (ALL RTC Cabinets include all load switches, flash transfer realys, isolators, power supplies and BIU's as needed)	
TS1	TS1 Cabinet No Conflict Monitor or Controller	$ 8,746.00
TS1M	TS1 Cabinet with EDI Conflict Monitor but No Controller	$ 9,743.00
TS1MC	TS1 Cabinet with EDI Conflict Monitor and McCain Controller	$ 12,039.00
TS2	TS2 Cabinet No Conflict Monitor or Controller	$ 10,338.00
TS2M	TS2 Cabinet with EDI Conflict Monitor but No Controller	$ 11,334.00
TS2MC	TS2 Cabinet with EDI Conflict Monitor and McCain Controller	$ 13,631.00
TS2TX	TXDOT TS2 Cabinet with EDI Conflict Monitor but No Controller	$ 11,805.00
	Other Cabinet Items	
171036	Southern Mfg. ITS Cabinet WE302424-NMDOT-DMS-P	$ 3,413.00

171039	Southern Mfg. ITS Cabinet WE302424-NMDOT-CCTV-P	$ 3,519.00
200803	Pelco Clear Confirmation Light	$ 139.00
161407	ArmorCast Traffic Cabinet Pedestal	$ 456.00
PNS10-03-VP4003L	LED Light Strip	$ 70.00
	Pelco Structural Poles	
	Harris County Mast Arm Poles (Includes Anchor Bolts, Add ILSN Sign Arm if needed)	
HC-SP-30-100	HC-SP-30-100	$ 5,523.00
HC-SP-30-100L-15	HC-SP-30-100L-15	$ 6,607.00
HC-SP-30-100-20' MA	HC-SP-30-100-20' MA	$ 7,763.00
HC-SP-30-100-25' MA	HC-SP-30-100-25' MA	$ 8,144.00
HC-SP-30-100-30' MA	HC-SP-30-100-30' MA	$ 8,651.00
HC-SP-30-100-35' MA	HC-SP-30-100-35' MA	$ 9,114.00
HC-SP-30-100-40' MA	HC-SP-30-100-40' MA	$ 9,552.00
HC-SP-30-100-42' MA	HC-SP-30-100-42' MA	$ 9,611.00
HC-SP-30-100-42' MA	HC-SP-30-100-42' MA	$ 9,823.00
HC-SP-30-100-20' MA-L15	HC-SP-30-100-20' MA-L15	$ 8,835.00
HC-SP-30-100-25' MA-L15	HC-SP-30-100-25' MA-L15	$ 9,228.00
HC-SP-30-100-30' MA-L15	HC-SP-30-100-30' MA-L15	$ 9,735.00
HC-SP-30-100-35' MA-L15	HC-SP-30-100-35' MA-L15	$ 10,211.00
HC-SP-30-100-40' MA-L15	HC-SP-30-100-40' MA-L15	$ 10,635.00
HC-SP-30-100-42' MA-L15	HC-SP-30-100-42' MA-L15	$ 10,694.00
HC-SP-30-100-45' MA-L15	HC-SP-30-100-45' MA-L15	$ 10,907.00
HC-SP-34-100	HC-SP-34-100	$ 6,291.00
HC-SP-34-100L-15	HC-SP-34-100L-15	$ 7,374.00
HC-SP-34-100-20' MA	HC-SP-34-100-20' MA	$ 8,346.00
HC-SP-34-100-25' MA	HC-SP-34-100-25' MA	$ 8,657.00
HC-SP-34-100-30' MA	HC-SP-34-100-30' MA	$ 9,061.00
HC-SP-34-100-35' MA	HC-SP-34-100-35' MA	$ 9,550.00
HC-SP-34-100-40' MA	HC-SP-34-100-40' MA	$ 9,962.00
HC-SP-34-100-42' MA	HC-SP-34-100-42' MA	$ 10,020.00
HC-SP-34-100-45' MA	HC-SP-34-100-45' MA	$ 10,233.00
HC-SP-34-100-20' MA-L15	HC-SP-34-100-20' MA-L15	$ 9,419.00
HC-SP-34-100-25' MA-L15	HC-SP-34-100-25' MA-L15	$ 9,730.00
HC-SP-34-100-30' MA-L15	HC-SP-34-100-30' MA-L15	$ 10,144.00
HC-SP-34-100-35' MA-L15	HC-SP-34-100-35' MA-L15	$ 10,621.00
HC-SP-34-100-40' MA-L15	HC-SP-34-100-40' MA-L15	$ 11,046.00
HC-SP-34-100-42' MA-L15	HC-SP-34-100-42' MA-L15	$ 11,103.00
HC-SP-34-100-45' MA-L15	HC-SP-34-100-45' MA-L15	$ 11,316.00
HC-20'/20' DMA-100L-15	HC-20'/20' DMA-100L-15	$ 10,849.00
HC-25'/20' DMA-100L-15	HC-25'/20' DMA-100L-15	$ 11,101.00
HC-25'/25' DMA-100L-15	HC-25'/25' DMA-100L-15	$ 11,300.00
HC-30'/20' DMA-100L-15	HC-30'/20' DMA-100L-15	$ 11,391.00
HC-30'/25' DMA-100L-15	HC-30'/25' DMA-100L-15	$ 11,616.00

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HC-30'/30' DMA-100L-15	HC-30'/30' DMA-100L-15	$ 11,934.00
HC-35'/20' DMA-100L-15	HC-35'/20' DMA-100L-15	$ 11,901.00
HC-35'/25' DMA-100L-15	HC-35'/25' DMA-100L-15	$ 12,127.00
HC-35'/30' DMA-100L-15	HC-35'/30' DMA-100L-15	$ 12,443.00
HC-35'/35' DMA-100L-15	HC-35'/35' DMA-100L-15	$ 12,952.00
HC-40'/20' DMA-100L-15	HC-40'/20' DMA-100L-15	$ 12,351.00
HC-40'/25' DMA-100L-15	HC-40'/25' DMA-100L-15	$ 12,576.00
HC-40'/30' DMA-100L-15	HC-40'/30' DMA-100L-15	$ 12,893.00
HC-40'/35' DMA-100L-15	HC-40'/35' DMA-100L-15	$ 13,894.00
HC-40'/40' DMA-100L-15	HC-40'/40' DMA-100L-15	$ 14,208.00
HC-42'/20' DMA-100L-15	HC-42'/20' DMA-100L-15	$ 13,097.00
HC-42'/25' DMA-100L-15	HC-42'/25' DMA-100L-15	$ 13,362.00
HC-42'/30' DMA-100L-15	HC-42'/30' DMA-100L-15	$ 13,795.00
HC-42'/35' DMA-100L-15	HC-42'/35' DMA-100L-15	$ 13,956.00
HC-42'/40' DMA-100L-15	HC-42'/40' DMA-100L-15	$ 14,378.00
HC-42'/42' DMA-100L-15	HC-42'/42' DMA-100L-15	$ 14,468.00
HC-44'/20' DMA-100L-15	HC-44'/20' DMA-100L-15	$ 13,101.00
HC-44'/25' DMA-100L-15	HC-44'/25' DMA-100L-15	$ 13,326.00
HC-44'/30' DMA-100L-15	HC-44'/30' DMA-100L-15	$ 13,642.00
HC-44'/35' DMA-100L-15	HC-44'/35' DMA-100L-15	$ 14,153.00
HC-44'/40' DMA-100L-15	HC-44'/40' DMA-100L-15	$ 14,602.00
HC-44'/42' DMA-100L-15	HC-44'/42' DMA-100L-15	$ 14,665.00
HC-44'/44' DMA-100L-15	HC-44'/44' DMA-100L-15	$ 14,860.00
(4) 2 1/4" Anchor Bolts w/ Templates.	(4) 2 1/4" Anchor Bolts w/ Templates.	$ 1,030.00
	TXDOT 80 MPH Mast Arm Poles(Incl Anchor Bolts, Add ILSN Sign Arm if needed)	
SP-30B-80	SP-30B-80	$ 4,453.00
SP-30B-80L-8	SP-30B-80L-8	$ 5,289.00
SP-34D-80	SP-34D-80	$ 5,358.00
SP-34D-80L-8	SP-34D-80L-8	$ 6,193.00
20' SMA-80	20' SMA-80	$ 4,782.00
20' SMA-80L-8	20' SMA-80L-8	$ 6,098.00
24' SMA-80	24' SMA-80	$ 4,969.00
24' SMA-80L-8	24' SMA-80L-8	$ 6,317.00
28' SMA-80	28' SMA-80	$ 5,132.00
28' SMA-80L-8	28' SMA-80L-8	$ 6,502.00

32' SMA-80	32' SMA-80	$ 5,798.00
32' SMA-80L-8	32' SMA-80L-8	$ 7,276.00
36' SMA-80	36' SMA-80	$ 6,399.00
36' SMA-80L-8	36' SMA-80L-8	$ 7,912.00
40' SMA-80	40' SMA-80	$ 6,982.00
40' SMA-80L-8	40' SMA-80L-8	$ 8,412.00
44' SMA-80	44' SMA-80	$ 7,384.00
44' SMA-80L-8	44' SMA-80L-8	$ 9,002.00
48' SMA-80	48' SMA-80	$ 8,083.00
48' SMA-80L-8	48' SMA-80L-8	$ 9,389.00
50' LMA-80/100	50' LMA-80/100	$ 14,170.00
50' LMA-80/100L-8	50' LMA-80/100L-8	$ 16,232.00
55' LMA-80/100	55' LMA-80/100	$ 14,502.00
55' LMA-80/100L-8	55' LMA-80/100L-8	$ 16,543.00
60' LMA-80/100	60' LMA-80/100	$ 14,769.00
60' LMA-80/100L-8	60' LMA-80/100L-8	$ 16,961.00
65' LMA-80/100	65' LMA-80/100	$ 15,041.00
65' LMA-80/100L-8	65' LMA-80/100L-8	$ 17,377.00
20'/20' DMA-80	20'/20' DMA-80	$ 7,374.00
20'/20' DMA-80L-8	20'/20' DMA-80L-8	$ 8,840.00
24'/20' DMA-80	24'/20' DMA-80	$ 7,533.00
24'/20' DMA-80L-8	24'/20' DMA-80L-8	$ 9,039.00
24'/24' DMA-80	24'/24' DMA-80	$ 8,072.00
24'/24' DMA-80L-8	24'/24' DMA-80L-8	$ 9,739.00
28'/20' DMA-80	28'/20' DMA-80	$ 7,930.00
28'/20' DMA-80L-8	28'/20' DMA-80L-8	$ 8,783.00
28'/24' DMA-80	28'/24' DMA-80	$ 8,111.00
28'/24' DMA-80L-8	28'/24' DMA-80L-8	$ 9,705.00
28'/28' DMA-80	28'/28' DMA-80	$ 8,315.00
28'/28' DMA-80L-8	28'/28' DMA-80L-8	$ 9,945.00
32'/20' DMA-80	32'/20' DMA-80	$ 8,312.00
32'/20' DMA-80L-8	32'/20' DMA-80L-8	$ 9,943.00
32'/24' DMA-80	32'/24' DMA-80	$ 8,503.00
32'/24' DMA-80L-8	32'/24' DMA-80L-8	$ 10,134.00
32'/28' DMA-80	32'/28' DMA-80	$ 8,708.00
32'/28' DMA-80L-8	32'/28' DMA-80L-8	$ 10,374.00
32'/32' DMA-80	32'/32' DMA-80	$ 9,624.00
32'/32' DMA-80L-8	32'/32' DMA-80L-8	$ 11,328.00
36'/20' DMA-80	36'/20' DMA-80	$ 8,994.00
36'/20' DMA-80L-8	36'/20' DMA-80L-8	$ 10,335.00
36'/24' DMA-80	36'/24' DMA-80	$ 9,186.00
36'/24' DMA-80L-8	36'/24' DMA-80L-8	$ 10,889.00
36'/28' DMA-80	36'/28' DMA-80	$ 9,327.00
36'/28' DMA-80L-8	36'/28' DMA-80L-8	$ 11,062.00
36'/32' DMA-80	36'/32' DMA-80	$ 9,742.00
36'/32' DMA-80L-8	36'/32' DMA-80L-8	$ 11,446.00
36'/36' DMA-80	36'/36' DMA-80	$ 10,096.00
36'/36' DMA-80L-8	36'/36' DMA-80L-8	$ 11,836.00
40'/20' DMA-80	40'/20' DMA-80	$ 9,567.00
40'/20' DMA-80L-8	40'/20' DMA-80L-8	$ 11,307.00
40'/24' DMA-80	40'/24' DMA-80	$ 9,762.00
40'/24' DMA-80L-8	40'/24' DMA-80L-8	$ 11,502.00
40'/28' DMA-80	40'/28' DMA-80	$ 9,904.00
40'/28' DMA-80L-8	40'/28' DMA-80L-8	$ 11,644.00
40'/32' DMA-80	40'/32' DMA-80	$ 10,462.00
40'/32' DMA-80L-8	40'/32' DMA-80L-8	$ 12,274.00
40'/36' DMA-80	40'/36' DMA-80	$ 10,758.00
40'/36' DMA-80L-8	40'/36' DMA-80L-8	$ 12,571.00
44'/20' DMA-80	44'/20' DMA-80	$ 10,011.00
44'/20' DMA-80L-8	44'/20' DMA-80L-8	$ 11,823.00
44'/24' DMA-80	44'/24' DMA-80	$ 10,206.00
44'/24' DMA-80L-8	44'/24' DMA-80L-8	$ 12,019.00
44'/28' DMA-80	44'/28' DMA-80	$ 10,347.00
44'/28' DMA-80L-8	44'/28' DMA-80L-8	$ 12,160.00
44'/32' DMA-80	44'/32' DMA-80	$ 11,417.00
44'/32' DMA-80L-8	44'/32' DMA-80L-8	$ 13,113.00
44'/36' DMA-80	44'/36' DMA-80	$ 11,714.00
44'/36' DMA-80L-8	44'/36' DMA-80L-8	$ 13,563.00
50'/20' LDMA-80	50'/20' LDMA-80	$ 17,309.00
50'/20' LDMA-80L-8	50'/20' LDMA-80L-8	$ 19,300.00

55'/28' LDMA-80	55'/28' LDMA-80	$ 17,664.00
55'/28' LDMA-80L-8	55'/28' LDMA-80L-8	$ 20,207.00
60'/32' LDMA-80	60'/32' LDMA-80	$ 18,208.00
60'/32' LDMA-80L-8	60'/32' LDMA-80L-8	$ 20,848.00
65'/44' LDMA-80	65'/44' LDMA-80	$ 19,788.00
65'/44' LDMA-80L-8	65'/44' LDMA-80L-8	$ 21,070.00
8' Luminaire Arm	8' Luminaire Arm	$ 1,005.00
	TXDOT 100 MPH Mast Arm Poles(Incl Anchor Bolts, Add ILSN Sign Arm if needed)	
SP-30B-100	SP-30B-100	$ 4,453.00
SP-30B-100L-8	SP-30B-100L-8	$ 5,289.00
SP-34D-100	SP-34D-100	$ 5,358.00
SP-34D-100L-8	SP-34D-100L-8	$ 6,193.00
20' SMA-100	20' SMA-100	$ 5,525.00
20' SMA-100L-8	20' SMA-100L-8	$ 7,037.00
24' SMA-100	24' SMA-100	$ 5,839.00
24' SMA-100L-8	24' SMA-100L-8	$ 7,343.00
28' SMA-100	28' SMA-100	$ 5,879.00
28' SMA-100L-8	28' SMA-100L-8	$ 7,462.00
32' SMA-100	32' SMA-100	$ 6,334.00
32' SMA-100L-8	32' SMA-100L-8	$ 7,952.00
36' SMA-100	36' SMA-100	$ 6,983.00
36' SMA-100L-8	36' SMA-100L-8	$ 8,695.00
40' SMA-100	40' SMA-100	$ 7,822.00
40' SMA-100L-8	40' SMA-100L-8	$ 9,581.00
44' SMA-100	44' SMA-100	$ 8,201.00
44' SMA-100L-8	44' SMA-100L-8	$ 9,994.00
20'/20' DMA-100	20'/20' DMA-100	$ 7,902.00
20'/20' DMA-100L-8	20'/20' DMA-100L-8	$ 9,099.00
24'/20' DMA-100	24'/20' DMA-100	$ 8,273.00
24'/20' DMA-100L-8	24'/20' DMA-100L-8	$ 9,919.00
24'/24' DMA-100	24'/24' DMA-100	$ 8,839.00
24'/24' DMA-100L-8	24'/24' DMA-100L-8	$ 10,444.00
28'/20' DMA-100	28'/20' DMA-100	$ 8,604.00
28'/20' DMA-100L-8	28'/20' DMA-100L-8	$ 10,290.00
28'/24' DMA-100	28'/24' DMA-100	$ 9,063.00
28'/24' DMA-100L-8	28'/24' DMA-100L-8	$ 10,786.00
28'/28' DMA-100	28'/28' DMA-100	$ 9,335.00
28'/28' DMA-100L-8	28'/28' DMA-100L-8	$ 11,056.00
32'/20' DMA-100	32'/20' DMA-100	$ 9,080.00
32'/20' DMA-100L-8	32'/20' DMA-100L-8	$ 10,802.00
32'/24' DMA-100	32'/24' DMA-100	$ 9,476.00
32'/24' DMA-100L-8	32'/24' DMA-100L-8	$ 11,199.00
32'/28' DMA-100	32'/28' DMA-100	$ 10,186.00
32'/28' DMA-100L-8	32'/28' DMA-100L-8	$ 11,944.00
32'/32' DMA-100	32'/32' DMA-100	$ 10,598.00
32'/32' DMA-100L-8	32'/32' DMA-100L-8	$ 12,357.00
36'/20' DMA-100	36'/20' DMA-100	$ 9,684.00
36'/20' DMA-100L-8	36'/20' DMA-100L-8	$ 10,120.00
36'/24' DMA-100	36'/24' DMA-100	$ 9,977.00
36'/24' DMA-100L-8	36'/24' DMA-100L-8	$ 11,814.00
36'/28' DMA-100	36'/28' DMA-100	$ 10,168.00
36'/28' DMA-100L-8	36'/28' DMA-100L-8	$ 11,963.00
36'/32' DMA-100	36'/32' DMA-100	$ 10,807.00
36'/32' DMA-100L-8	36'/32' DMA-100L-8	$ 12,602.00
36'/36' DMA-100	36'/36' DMA-100	$ 11,208.00
36'/36' DMA-100L-8	36'/36' DMA-100L-8	$ 13,008.00
40'/20' DMA-100	40'/20' DMA-100	$ 10,175.00
40'/20' DMA-100L-8	40'/20' DMA-100L-8	$ 12,007.00
40'/24' DMA-100	40'/24' DMA-100	$ 10,410.00
40'/24' DMA-100L-8	40'/24' DMA-100L-8	$ 13,801.00
40'/28' DMA-100	40'/28' DMA-100	$ 12,020.00
40'/28' DMA-100L-8	40'/28' DMA-100L-8	$ 13,889.00
40'/32' DMA-100	40'/32' DMA-100	$ 12,674.00
40'/32' DMA-100L-8	40'/32' DMA-100L-8	$ 14,543.00
40'/36' DMA-100	40'/36' DMA-100	$ 13,049.00
40'/36' DMA-100L-8	40'/36' DMA-100L-8	$ 14,955.00
44'/20' DMA-100	44'/20' DMA-100	$ 12,119.00
44'/20' DMA-100L-8	44'/20' DMA-100L-8	$ 14,023.00
44'/24' DMA-100	44'/24' DMA-100	$ 12,354.00
44'/24' DMA-100L-8	44'/24' DMA-100L-8	$ 14,259.00

44'/28' DMA-100	44'/28' DMA-100	$ 12,607.00
44'/28' DMA-100L-8	44'/28' DMA-100L-8	$ 14,549.00
44'/32' DMA-100	44'/32' DMA-100	$ 13,262.00
44'/32' DMA-100L-8	44'/32' DMA-100L-8	$ 15,203.00
44'/36' DMA-100	44'/36' DMA-100	$ 13,573.00
44'/36' DMA-100L-8	44'/36' DMA-100L-8	$ 15,515.00
50' LMA-80/100	50' LMA-80/100	$ 17,309.00
50' LMA-80/100L-8	50' LMA-80/100L-8	$ 19,300.00
55' LMA-80/100	55' LMA-80/100	$ 17,664.00
55' LMA-80/100L-8	55' LMA-80/100L-8	$ 20,207.00
60' LMA-80/100	60' LMA-80/100	$ 18,208.00
60' LMA-80/100L-8	60' LMA-80/100L-8	$ 20,848.00
65' LMA-80/100	65' LMA-80/100	$ 19,788.00
65' LMA-80/100L-8	65' LMA-80/100L-8	$ 21,070.00
	Signals and LEDs	
	Use this Separate LED section for LED's only Quotes, they are duplicated in each signal section also	
	Leotek P3 single LED Heads	
820006	12" Green Arrow	$ 36.00
820003	12" Green Ball	$ 34.00
820005	12" Yellow Arrow	$ 36.00
820002	12" Yellow Ball	$ 34.00
820004	12" Red Arrow	$ 36.00
820001	12" Red Ball	$ 34.00
	Leotek 15 Year Warranty LED's	
820006-15	12" Green Arrow - 15 Year Warranty	$ 48.00
820003-15	12" Green Ball- 15 Year Warranty	$ 53.00
820005-15	12" Yellow Arrow - 15 Year Warranty	$ 48.00
820002-15	12" Yellow Ball- 15 Year Warranty	$ 53.00
820004-15	12" Red Arrow - 15 Year Warranty	$ 48.00
820001-15	12" Red Ball- 15 Year Warranty	$ 53.00
	Leotek 8" Bicycle LED's	
TP08A-BC-IL	8" Green Bicycle	$ 51.00
TP08A-BB-IL	8" Yellow Bicycle	$ 51.00
TP08A-BA-IL	8" Red Bicycle	$ 51.00
	Leotek 12v DC LED's	
820021 ULP	DC 12" Yellow Ball Ultra Low Power (5 Watt)	$ 52.00
820061	DC 12" Yellow Ball	$ 45.00
820062	DC 12" Green Ball	$ 45.00
820060	DC 12" Red Ball	$ 45.00
	Leotek 48v DC LED's	
820006 48V	12" Green Arrow	$ 61.00
820003 48V	12" Green Ball	$ 56.00
820005 48V	12" Yellow Arrow	$ 61.00
820002 48V	12" Yellow Ball	$ 56.00
820004 48V	12" Red Arrow	$ 61.00
820001 48V	12" Red Ball	$ 56.00
821002 48V	16" Countdown Ped (48 Volt DC)	$ 137.00
	U-Turn and Bi-modal LED's	
82000	12" Red U-Turn Arrow	$ 57.00
82000	12" Yel U-Turn Arrow	$ 57.00
82000	12" Grn U-Turn Arrow	$ 57.00
820010	12" Yellow/Green Bi-Modal Arrow (IL)	$ 88.00
	One Section Signals	
	McCain One Section Signal Heads	
190000	1 Section Poly Head (With Visor) TxDot Yellow	$ 47.00
190102	1 Section Alum Head (With Visor) TxDot Yellow	$ 55.00
191002	1 Section Poly Head (With Visor) TxDot Black	$ 43.00
190103	1 Section Alum Head (With Visor) TxDot Black	$ 55.00
	One Section Back Plates	
192101	1 Sec Alum	$ 21.00
M17876	1 Sec Alum - Louvered	$ 42.00
M18162	1 Sec Poly (Flat)	$ 21.00

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192101RT	1 Sec Alum w/ 2" Reflective Tape	$ 29.00
M44287	1 Sec Alum Louvered w/ 2" Reflective Tape	$ 27.00
	One Section Astro Bracs	
AS-0125-1-62-PNC	1Way, 1 Sec (62" Cable)	$ 133.00
	One Section Span Wire Assemblies	
200902	Span Wire Assy 1Way 1-Point Mount 1 Sec	$ 61.00
201082	Span Wire Assy 2Way 1-Point Mount 1 Sec	$ 84.00
200072	Span Wire Assy 3Way 1-Point Mount 1 Sec	$ 144.00
201083	Span Wire Assy 4Way 1-Point Mount 1 Sec	$ 146.00
0	Paint Adder For Brac or Assy (Add Color code Pxx)	$ 21.00
	Two Section Signals	
	Two Section McCain Signals	
2YP	2 Section Poly Head (With Visor) TxDot Yellow	$ 79.00
2YA	2 Section Alum Head (With Visor) TxDot Yellow	$ 109.00
2BP	2 Section Poly Head (With Visor) TxDot Black	$ 69.00
2BA	2 Section Alum Head (With Visor) TxDot Black	$ 109.00
	Two Section Back Plates	
192102	2 Sec Alum	$ 26.00
M17894	2 Sec Alum - Louvered	$ 27.00
M18164	2 Sec Poly (Flat)	$ 23.00
192102RT	2 Sec Alum w/ 2" Reflective Tape	$ 36.00
M56678	2 Sec Alum Louvered w/ 2" Reflective Tape	$ 38.00
	Two Section Astro Bracs	
AS-0125-2-62-PNC	1Way, 2 Sec (62" Cable)	$ 136.00
2sec Split	2 Sec Split Span (Top & Bottom) w/ Gap between	$ 96.00
Paint Adder	Paint Adder For Brac or Assy (Add Color code Pxx)	$ 21.00
	Two Section Leotek New P3 LED's	
820002	12" Yellow Ball	$ 34.00
820001	12" Red Ball	$ 34.00
	Three Section Signals	
	McCain Three Section Signals	
190003TX	3 Section Poly Head (With Visor) TxDot Yellow	$ 148.00
190103TX	3 Section Alum Head (With Visor) TxDot Yellow	$ 169.00
191003TX	3 Section Poly Head (With Visor) TxDot Black	$ 133.00
191103TX	3 Section Alum Head (With Visor) TxDot Black	$ 169.00
	Three Section Back Plates	
192103	3 Sec Alum	$ 33.00
192103RT	3 Sec Alum w/ 2" Reflective Tape	$ 43.00
192116	3 Sec Alum (HAWK) Cluster fro AB -0168	$ 52.00
192113	3 Sec Alum - Louvered	$ 34.00
192113RT	3 Sec Alum Louvered w/ 2" Reflective Tape	$ 43.00
M61597	3 Sec Alum - Louvered (HAWK) Cluster (Max Border)	$ 55.00
TBD	3 Sec Alum - Louvered (HAWK) Cluster (Max Border) w/ 2" Reflective Tape	$ 62.00
192003	3 Sec VF, ABS	$ 36.00
192003RT	3 Sec VF, ABS with 2" Reflective Tape	$ 66.00
BK-8000-3-PNC	3 Sec Pelco Aeroflex (No Tape)	$ 77.00
BK-1032-A-PNC	3 Sec VF, ABS (Cluster)	$ 193.00
	Three Section Astro Bracs	
201160	1Way, 3 Sec (62" Cable)	$ 145.00
201160-84	1Way, 3 Sec (84" Cable)	$ 151.00
201160-96	1Way, 3 Sec (96" Cable)	$ 154.00
201160-120	1Way, 3 Sec (120" Cable)	$ 160.00
AB-0168-62-PNC	1Way, 3 Sec (62" Cable) (Cluster) Only use if spec'd	$ 288.00
200050	1Way, 3 Sec (62" Cable) w/CGB	$ 151.00
AS-0194-3-84-2-PNC	1Way, 3 Sec (84" Cable) w/CGB	$ 157.00
200051	1Way, 3 Sec (96" Cable) w/CGB	$ 160.00
AS-0194-3-120-2-PNC	1Way, 3 Sec (120" Cable) w/CGB	$ 166.00
AB-0150-3-62-PNC	1 Way, 3 Sec (62" Cable) Articulated w/CGB	$ 195.00
AB-0150-3-84-PNC	1 Way, 3 Sec (84" Cable) Articulated w/CGB	$ 201.00
AB-0150-3-96-PNC	1 Way, 3 Sec (96" Cable) Articulated w/CGB	$ 202.00
	Three Section Span Wire Assy	
200150	Span Wire Assy, 1Way 2-Point Mount 3 Sec	$ 126.00
200151	Span Wire Assy, Full Piping (3 Sec)	$ 283.00
201177-3	Span Wire Assy, Houston (3 Sec)	$ 227.00
SP-3011-TX-3-PNC	3 Sec Signal (Type E) FOR EL PASO	$ 120.00

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SE-3315-PNC	3 Sec HAWK Cluster w/Universal Hub Plates	$ 181.00
20SE-5094-PNC	3 Sec Top and Bottom Mount	$ 138.00
Paint Adder	Paint Adder For Brac or Assy (Add Color code Pxx)	$ 21.00
	Three Section Leotek New P3 LED's	
820006	12" Green Arrow	$ 36.00
820003	12" Green Ball	$ 34.00
820005	12" Yellow Arrow	$ 36.00
820002	12" Yellow Ball	$ 34.00
820004	12" Red Arrow	$ 36.00
820001	12" Red Ball	$ 34.00
	Four Section Signals	
	McCain Four Section Signals	
190004TX	4 Section Poly Head (With Visor) TxDot Yellow	$ 192.00
190104TX	4 Section Alum Head (With Visor) TxDot Yellow(Horiz)	$ 221.00
191004TX	4 Section Poly Head (With Visor) TxDot Black	$ 177.00
191104TX	4 Section Alum Head (With Visor) TxDot Black (Horiz)	$ 221.00
0	**Four Section Back Plates**	
192004	4 Sec VF, ABS	$ 44.00
192104	4 Sec Alum	$ 36.00
192104RT	4 Sec Alum w/ 2" Reflective Tape	$ 62.00
192114	4 Sec Alum - Louvered	$ 39.00
192114RT	4 Sec Alum Louvered w/ 2" Reflective Tape	$ 57.00
M18219D	4 Sec VF, ABS	$ 44.00
192004RT	4 Sec VF, ABS with 2" Reflective Tape	$ 70.00
0	4 Sec Louisiana Backplate	$ 52.00
BK-8000-4-PNC	4 Sec Aeroflex (No Tape)	$ 92.00
0	**Four Section Astro Bracs**	
201160-4	1Way, 4 Sec (62" Cable)	$ 152.00
201160-4-84	1Way, 4 Sec (84" Cable)	$ 158.00
201160-4-96	1Way, 4 Sec (96" Cable)	$ 161.00
201160-4-120	1Way, 4 Sec (120" Cable)	$ 167.00
AS-0194-4-62	1Way, 4 Sec (62" Cable) w/CGB	$ 147.00
AS-0194-4-84	1Way, 4 Sec (84" Cable) w/CGB	$ 162.00
AS-0194-4-96	1Way, 4 Sec (96" Cable) w/CGB	$ 161.00
AS-0194-4-120	1Way, 4 Sec (120" Cable) w/CGB	$ 171.00
AB-0150-4-96-PNC	1 Way, 4 Sec (96" Cable) Articulated w/CGB	$ 203.00
	Four Section Span Wire Assy	
200150	Span Wire Assy, 1Way 2-Point Mount 3 Sec	$ 126.00
200152	Span Wire Assy, Full Piping (4 Sec)	$ 293.00
201177	Span Wire Assy, Houston (4 Sec)	$ 234.00
SP-3011-TX-4-PNC	4 Sec Signal (Type E) FOR EL PASO	$ 126.00
Paint Adder	Paint Adder For Brac or Assy (Add Color code Pxx)	$ 21.00
	Four Section Leotek New P3 LED's	
820006	12" Green Arrow	$ 36.00
820003	12" Green Ball	$ 34.00
820005	12" Yellow Arrow	$ 36.00
820002	12" Yellow Ball	$ 34.00
820004	12" Red Arrow	$ 36.00
820001	12" Red Ball	$ 34.00
	Five Section Signals	
	McCain Five Section Signals	
191005TX	5 Section Poly Head (With Visor) TxDot Black	$ 221.00
M32158	5 Section Poly Cluster (With Visor) TxDot Black	$ 221.00
190005TX	5 Section Poly Head (With Visor) TxDot Yellow	$ 241.00
M44515	5 Section Poly Cluster (With Visor) TxDot Yellow	$ 241.00
190105TX	5 Section Alum Head (With Visor) TxDot Yellow	$ 280.00
M65857	5 Section Alum Cluster (With Visor) TxDot Yellow	$ 280.00
190105TX	5 Section Alum Head (With Visor) TxDot Yellow	$ 280.00
191105TX	5 Section Alum Head (With Visor) TxDot Black	$ 280.00
M56170	5 Section Alum Cluster (With Visor) TxDot Black	$ 280.00
	Five Section Back Plates	
192005	5 Sec VF, ABS	$ 55.00
192005RT	5 Sec VF, ABS with 2" Reflective Tape	$ 83.00
192105	5 Sec Alum	$ 44.00
192105RT	5 Sec Alum W/ 2" Reflective Tape	$ 72.00

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192105C	5 Sec Alum (Cluster)	$ 57.00
192115	5 Sec Alum - Louvered	$ 55.00
192115RT	5 Sec Alum - Louvered w/ 2" Reflective Tape	$ 69.00
M18084	5 Sec Alum (Cluster) - Louvered for Pelco Bracket	$ 59.00
M66678	5 Sec Alum (Cluster) - Louvered for Pelco Bracket w/ 2" RT	$ 72.00
M42514D	5 Sec VF, ABS (Cluster)	$ 72.00
5 Sec La	5 Sec Louisiana Backplate	$ 73.00
BK-8000-5-PNC	5 Sec Aeroflex (No Tape)	$ 104.00
	Five Section Astro Bracs	
201160-5	1Way, 5 Sec (62" Cable)	$ 160.00
201160-5-84	1Way, 5 Sec (84" Cable)	$ 165.00
201160-5-96	1Way, 5 Sec (96" Cable)	$ 168.00
201160-5-120	1Way, 5 Sec (120" Cable)	$ 175.00
20AS-0138-62	1Way, 5 Sec (62" Cable) (Cluster)	$ 244.00
20AS-0138-96	1Way, 5 Sec (96" Cable) (Cluster)	$ 253.00
20AS-0138-120	1Way, 5 Sec (120" Cable) (Cluster)	$ 259.00
AS-0194-5-62	1Way, 5 Sec (62" Cable) w/CGB	$ 164.00
AS-0194-5-84	1Way, 5 Sec (84" Cable) w/CGB	$ 170.00
200052	1Way, 5 Sec (96" Cable) w/CGB	$ 173.00
AS-0194-5-120	1Way, 5 Sec (120" Cable) w/CGB	$ 179.00
AB-0150-5-96-PNC	1 Way, 5 Sec (96" Cable) Articulated w/CGB	$ 216.00
	Five Section Span Wire Assy	
SP-1001-TX-PNC	Span Wire Assy, 1Way 2-Point Mount 5 Sec	$ 126.00
200153	Span Wire Assy, Full Piping (5 Sec)	$ 304.00
201177-5	Span Wire Assy, Houston (5 Sec)	$ 245.00
SP-3041-TX-PNC	Span Wire Assy, (5 Sec Cluster)	$ 135.00
SP-3011-TX-5-PNC	5 Sec Signal (Type E) FOR EL PASO	$ 133.00
Paint Adder	Paint Adder For Brac or Assy (Add Color code Pxx)	$ 21.00
	Five Section Leotek New P3 LED's	
820006	12" Green Arrow	$ 36.00
820003	12" Green Ball	$ 34.00
820005	12" Yellow Arrow	$ 36.00
820002	12" Yellow Ball	$ 34.00
820004	12" Red Arrow	$ 36.00
820001	12" Red Ball	$ 34.00
	Louvers & Visors	
	Louvers	
201154	12" GPL 8 degree Slotted Full Circle Louver - Yellow	$ 172.00
201154B	12" GPL 8 degree Slotted Full Circle Louver - Black	$ 172.00
260011	5 Vane, 7° Louver	$ 47.00
	Visors	
190001	12" Poly Visor Yellow	$ 9.00
Full Circle Visor	12" Alum Full Circle Visor - Yellow	$ 13.00
190101	12" Alum Tunnel Visor - Yellow	$ 13.00
191001	12" Poly Visor Black	$ 5.00
M19300	12" Alum Full Circle Visor - Black	$ 13.00
191101	12" Alum Tunnel Visor - Black	$ 13.00
	Other Signal Related Parts & NM Assemblies	
M66676	Reflective Tape per foot to add to Backplate	$ 3.00
	Astro Bracs Clamps ONLY with Galvanized Cable	
201151	Astro Brac Clamp Kit w/62" Galv Cable	$ 72.00
201151-84	Astro Brac Clamp Kit w/84" Galv Cable	$ 77.00
201151-96	Astro Brac Clamp Kit w/96" Galv Cable	$ 80.00
201151-120	Astro Brac Clamp Kit w/120" Galv Cable	$ 86.00
201106	3 Section Gusseted Tube	$ 27.00
201106-58	4 Section Gusseted Tube	$ 35.00
201106-74	5 Section Gusseted Tube	$ 41.00
201013	9 inch Standard Arm Kit	$ 29.00
200084	9 inch CGB Arm Kit	$ 34.00
0	Paint Adder (Add Color code Pxx)	$ 7.00
	Pelco Wind Dampers	
200079-62	Wind Damper (MA-DPD-12) less sign - 62" Cable	$ 455.00
200079-84	Wind Damper (MA-DPD-12) less sign - 84" Cable	$ 466.00
200079-96	Wind Damper (MA-DPD-12) less sign - 96" Cable	$ 472.00
0	Paint Adder (Add Color code Pxx)	$ -
0	School Zone Assembly (3 head Mast Arm)FOR EL PASO	$ -
201057	School Zone Assembly (3 head Mast Arm)FOR EL PASO	$ 497.00

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Kit	**TxDOT 2 Section Split Span Assembly With Gap**	
20SE-5089	Span Hanger	$ 57.00
20SE-0448	Check Nut (2 Required each)	$ 5.00
20SE-0354	Neoprene Washer (2 Required Each))	$ -
20SE-0436-12	Nipple 1.5" (12")	$ 10.00
20SE-5050-PNC	Tether Assy Tri Stud Breakaway	$ 19.00
Kit	**NM Signal Mnt End of Arm**	
201052	Hub Plate (SE-0444) (2 required each)	$ 13.00
201191	4" All Thread (SE-0309)	$ 13.00
20-SE-0436-10	10" Nipple (SE-0436)	$ 10.00
200085	Serrated Ell (SE-0457) (2 required Each)	$ 11.00
201400	Lock Ring (SE-0360) (2 Required Each)	$ 3.00
201046	Hex Nipple (SE-0443) (2 Required Each)	$ 5.00
Home Depot	Home Depot 1 1/2" LB w/cover & Gasket	$ 19.00
Kit	**NM Signal Mount Side of Pole/Mid Arm**	
201052	Hub Plate (SE-0444) (2 required each)	$ 13.00
20-SE-0436-10	10" Nipple (SE-0436)	$ 10.00
200085	Serrated Ell (SE-0457) (2 required Each)	$ 11.00
201400	Lock Ring (SE-0360) (2 Required Each)	$ 3.00
201046	Hex Nipple (SE-0443) (2 Required Each)	$ 5.00
0	**NM Signal Mnt Ped Pole Head**	
201052	Hub Plate (SE-0444) (2 required each)	$ 13.00
201191	4" All Thread (SE-0309)	$ 13.00
200085	Serrated Ell (SE-0457) (2 required Each)	$ 11.00
201400	Lock Ring (SE-0360) (2 Required Each)	$ 3.00
201046	Hex Nipple (SE-0443) (2 Required Each)	$ 5.00
0	**NM Ped Head & TX Type 1**	
201052	Hub Plate (SE-0444) (2 required each)	$ 13.00
20-SE-0436-12	12" Nipple (SE-0436) (2 Required Each)	$ 10.00
200085	Serrated Ell (SE-0457) (2 required Each)	$ 11.00
201400	Lock Ring (SE-0360) (2 Required Each)	$ 3.00
201046	Hex Nipple (SE-0443) (2 Required Each)	$ 5.00
	Coaxial and Heliax Cable	
	Coaxial Cable Including Connectors	
PNS10-500200A	Coaxial Cable LMR-400 (Per Ft.)	$ 1.33
LMR 400 Conn	N Male Connector - LMR-400 (2 per radio)	$ 17.00
	Heliax Cable Including Connectors	
PNS10-500200H	Heliax Cable LMR-600 (Per Ft.)	$ 2.55
LMR600 Conn	N Male Connector - LMR-600 (2 per radio)	$ 29.00
	Video Detection	
	Iteris VIVD's Processor System	
	Detector/Processor Cards	
260300	Edge 2 Detector Card - 1 Camera	$ 1,625.00
260301	Edge 2 Detector Card - 2 Camera (use for 4 Cam Sys)	$ 2,500.00
260302	Edge 2 Detector Card - 4 Camera	$ 4,750.00
	Interface Panels & Dinrail	
260312	Edgeconnect Card (for Comm Back to TCC)	$ 3,169.00
260314	Vec-Edge-2 (Processor)	$ 2,938.00
260303	Surge Panel w/Mounting Clips for 6 suppressors	$ 188.00
260305	Dinrail Clip	$ -
130880	Mouse	$ 20.00
260309	Y Cable for Monitor	$ -
260308	7" Color Monitor	$ 156.00
	Iteris VIVD's Camera Assembly	

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260306	Color Camera	$ 1,188.00
Vec Cam	Vector Sensor (Camera)	$ 4,688.00
260304	Video Surge Supressor w/1 FCABLE	$ 63.00
260307	Camera Mounting Bracket	$ 156.00
AS-0175-74-62-PNC	Pelco Camera Mounting Bracket - 62"	$ 158.00
AS-0175-74-120-PNC	Pelco Camera Mounting Bracket - 120"	$ 173.00
PNS10-504415	BNC Connectors	$ 4.00
	Vivds System Set Up	$ 300.00
	VIVD's Central Control (Laptop)	$ 2,000.00
	ViVDS Communication Cable (Coaxial)	$ 1.03
	Myers Battery Backups	
	BBU System (External Battery Cabinet)	
47-UPSCAB	Myers BC1280 BBU W/O Batteries	$ 3,875.00
47-UPS332 RACK	Myers BBU W/O Batteries 332 Retrofit (San Antonio)	$ 3,944.00
47-UPS332 RACK	Myers BBU W/O Batteries 332 Retrofit (San Antonio)	$ 3,944.00
Gen Option	Generator Option (Incl. Automatic Switch, Dead Face Panel, 30A Generator Receptacle, Wiring)	$ 269.00
MP2000	MP2000 in 232 Cabinet Includes: MP2000E, PTS/MBPS, Swing Out Battery Trays, Battery, Cable & Wiring Kit	$ 1,875.00
Batt Shelves	Slide Out Battery Shelves in TXDOT Cabinet	$ 225.00
Mems	MEMS (Myers Ethernet Monitoring Software)	$ 625.00
13-HR4000	MK 100 Amp Batteries	$ 334.00
161409	Battery Box	$ 538.00
	Schneider APC UPS's	
	UPS System (External Battery Cabinet)	
710010	UPS w/ APC Secure UPS 1300VA/1300 W 120 VAC In/Out RM Plus Bypass Unit with 12' Harness (No Cabinet or Power Panel)	$ 2,195.00
710011	Complete UPS w/ APC Secure UPS 1300VA/1300 W 120 VAC In/Out RM Plus Bypass Unit with 12' Harness (NO Cabinet or Power Panel but with Generator Option)	$ 2,245.00
APC-TXDOT	Turnkey UPS w/ APC Secure UPS 1300VA/1300 W 120 VAC In/Out RM, Bypass Unit, 12' Harness, RTC Cabinet and Power Panel 4 MK 110 AH Batteries (No Generator Plug)	$ 4,642.00
APC-DOT	Turnkey UPS w/ APC Secure UPS 1300VA/1300 W 120 VAC In/Out RM Plus Bypass Unit, 12' Harness, RTC Cabinet and Power Panel 4 MK 110 AH Batteries and Generator Plug	$ 4,911.00
710001	APC Secure UPS 1300VA/1300 W 120 VAC In/Out RM Conformal Coated	$ 1,757.00
710002	APC Schneider SecureUPS Bypass Unit W/ Generator input, W/O Batteries	$ 300.00
710002NOGEN	APC Schneider SecureUPS Bypass Unit W/O Generator input, W/O Batteries	$ 250.00
710003	APC Schneider Battery Harness 12'	$ 188.00
47-HAR4	APC Schneider Battery Harness 4'	$ 150.00
03-UPSGEN	Generator Option (Incl. Automatic Switch, Dead Face Panel, 30A Generator Receptacle, Wiring)	$ 269.00
13-8A30 HEI	MK 110 Amp 12V Batteries	$ 254.00
710006	APC 100 Amp 12V Batteries	$ 313.00
710009	Set of 4 APC 100 Amp 48V Batteries	$ 1,250.00
260012	Aluminum Mounting Cabinet	$ 1,100.00
PNS10 -03-UPSCTC	Power Panel, wiring and Labor	$ 331.00
PNS10 -03-UPSFANTHERM	Add ,Thermostat and Fan Only (NO POWER PANEL)	$ 326.00
PNS10 -03-UPSCONF	Add Confirmation Light	$ 50.00
PNS10 -03-UPSDOOR	Add Door Switch	$ 120.00
710004	One Year Extended Warranty on APC Secure UPS	$ 140.00
710005	One Year Extended Warranty on APC Secure UPS Bypass	$ 51.00
	Southern Illuminated Signs	
	Clean Profile - Single Sided TXDOT	
CP618SRDNNAAG1	6' x 18" viewable area standard blocking background	$ 1,516.00
CP621SRDNNAAG2	6' x 21" viewable area standard blocking background	$ 1,595.00
CP624SRFNNAAG1	6' x 24" viewable area standard blocking background	$ 1,681.00
CP618SRDNNAAD1	6' x 18" viewable area with retroreflective background and EC film	$ 1,672.00
CP621SRDNNAAD2	6' x 21" viewable area with retroreflective background and EC film	$ 1,751.00
CP624SRFNNAAD1	6' x 24" viewable area with retroreflective background and EC film	$ 1,837.00

CP818SRDNNAAG1	8' x 18" viewable area standard blocking background	$ 1,629.00
CP821SRDNNAAG2	8' x 21" viewable area standard blocking background	$ 1,715.00
CP824SRFNNAAG1	8' x 24" viewable area standard blocking background	$ 1,817.00
CP818SRDNNAAD2	8' x 18" viewable area with retroreflective background and EC film	$ 1,837.00
CP821SRDNNAAD1	8' x 21" viewable area with retroreflective background and EC film	$ 1,923.00
CP824SRFNNAAD1	8' x 24" viewable area with retroreflective background and EC film	$ 2,025.00
CP1018SRDNNAAG1	10' x 18" viewable area standard blocking background	$ 2,146.00
CP1018SRDNNAAG2	10' x 21" viewable area standard blocking background	$ 2,232.00
CP1024SRFNNAAG1	10' x 24" viewable area standard blocking background	$ 2,335.00
CP1021SRDNNAAD1	10' x 21" viewable area with retroreflective background and EC film	$ 2,406.00
CP1018SRDNNAAD2	10' x 18" viewable area with retroreflective background and EC film	$ 2,492.00
CP1024SRFNNAAD1	10' x 24" viewable area with retroreflective background and EC film	$ 2,595.00
	Clean Profile - Double Sided TXDOT	
CP618DTJNNAAG1	6' x 18" viewable area standard blocking background	$ 1,600.00
CP621DTJNNAAG2	6' x 21" viewable area standard blocking background	$ 1,708.00
CP624DTJNNAAG1	6' x 24" viewable area standard blocking background	$ 2,124.00
CP618DTJNNAAD1	6' x 18" viewable area with retroreflective background and EC film	$ 1,912.00
CP621DTJNNAAD2	6' x 21" viewable area with retroreflective background and EC film	$ 2,020.00
CP624DTJNNAAD1	6' x 24" viewable area with retroreflective background and EC film	$ 2,436.00
CP818DTJNNAAG1	8' x 18" viewable area standard blocking background	$ 1,715.00
CP821DTJNNAAG2	8' x 21" viewable area standard blocking background	$ 1,828.00
CP824DTJNNAAG1	8' x 24" viewable area standard blocking background	$ 2,386.00
CP818DTJNNAAD1	8' x 21" viewable area with retroreflective background and EC film	$ 2,131.00
CP821DTJNNAAD2	8' x 18" viewable area with retroreflective background and EC film	$ 2,244.00
CP824DTJNNAAD1	8' x 24" viewable area with retroreflective background and EC film	$ 2,802.00
CP1018DRDNNAAG1	10' x 18" viewable area standard blocking background	$ 2,232.00
CP1018DRDNNAAG2	10' x 21" viewable area standard blocking background	$ 2,345.00
CP1024DRFNNAAG1	10' x 24" viewable area standard blocking background	$ 3,028.00
CP1021DRDNNAAD1	10' x 21" viewable area with retroreflective background and EC film	$ 2,752.00
CP1018DRDNNAAD2	10' x 18" viewable area with retroreflective background and EC film	$ 2,865.00
CP1024DRFNNAAD1	10' x 24" viewable area with retroreflective background and EC film	$ 3,548.00
	Thin LED Single Sided	
TL619SRDNNAAG1	6' x 19" Overall size standard blocking background	$ 1,401.00
TL619SRDNNAAD1	6' x 19" Overall size with retroreflective film and EC overlay	$ 1,557.00
TL819SRDNNAAG1	8' x 19" Overall size standard blocking background	$ 1,516.00
TL819SRDNNAAD1	8' x 19" Overall size with retroreflective film and EC overlay	$ 1,724.00
	Thin LED Double Sided	
TL619DTJNNAAG1	6' x 19" Overall size standard blocking background	$ 1,743.00
TL619DTJNNAAD1	6' x 19" Overall size with retroreflective film and EC overlay	$ 2,055.00
TL819DTJNNAAG1	8' x 19" Overall size standard blocking background	$ 1,942.00
TL819DTJNNAAD1	8' x 19" Overall size with retroreflective film and EC overlay	$ 2,358.00
	Options	
MISCDECAL	Logo One color logo price per side	$ 33.00
MISCDECAL	Logo Two or more colors price per sign	$ 65.00
PHOTOCELL-SWIVEL	Photocell Tork Swivel	$ 26.00
Tork Int	Tork Internal	$ 26.00
Intermatic	Intermatic (Controls up to 4)	$ 26.00
	Brackets	
EZ Bar Even	Free Swing from mast arm both fixed heights	$ 189.00
BRACKET-EZ-BAR-UNEVEN	Free swing from mast arm one side adjustable	$ 254.00
Pelco 0142	Rigid Rear Mount (Single Sided Only)	$ 252.00
Pelco 1006	Rigid Mount top and bottom of sign (Single only)	$ 338.00
Pelco 5148	Free Swing both fixed heights	$ 338.00
Free Swing	Free Swing with one side extender	$ 358.00
	Blank Out Signs	
BO2424BBNNAAYR3-1	24" x24" Symbolic display R3-1. Size of display	$ 2,756.00
BO2424BBNNAAYR3-2	24" x24" Symbolic display R3-2. Size of display	$ 2,756.00
BO2430BBNNAAYR3-1T	24" x 30" 30" R3-1 with TRAIN below	$ 3,608.00
BO3030BBNNAAYR3-1	30" x 30" Symbolic display R3-1. Size of display	$ 3,487.00
BO3036BBNNAAYR3-1T	30" x 36" 30" R3-1 with TRAIN below in 6" single stroke letters	$ 3,861.00

BO2424BBNNAAY-W10-7	24" X 24" Symbolic Train R10-15 Size of Display	$ 3,419.00
LC1818BBNNAAY-2R-2W	18" x 18" Lane Use Signal Red X and Green Arrow	$ 3,120.00
BO3036BBNNAAY-R3(2WAY)	30" x 36" Dual Symbol Lane Use R3-5A & R3-5L	$ 3,959.00
BO3036BBNNAAY-R3(2WAY)	30" x 36" Dual Symbol Lane Use R3-5L & R3-6L	$ 4,178.00
	Standard LED Signs	
0	Single Sided	$ -
LE619SRDNNAAG1	6' x 19" viewable area standard blocking background	$ 1,425.00
LE624SRDNNAAG1	6' x 24" viewable area standard blocking background	$ 1,538.00
LE819SRDNNAAG1	8' x 19" viewable area standard blocking background	$ 1,538.00
LE824SRDNNAAG1	8' x 24" viewable area standard blocking background	$ 1,652.00
0	Double Sided	$ -
LE619DTJNNAAG1	6' x 19" viewable area standard blocking background	$ 1,794.00
LE624DTJNNAAG1	6' x 24" viewable area standard blocking background	$ 1,908.00
LE819DTJNNAAG1	8' x 19" viewable area standard blocking background	$ 1,976.00
LE824DTJNNAAG1	8' x 24" viewable area standard blocking background	$ 2,090.00
	Aluminum NEMA 3R Enclosures & ITS Commander	
CE3RAL322014PMTR	32"x20"x14" Pole Mounted Control Cabinet NEMA 3R .125" 5052 Aluminum.	$ 995.00
CE3RAL5030165BMNOPD	50"x30"x16.5" Base Mounted Control Cabinet NEMA 3R .125" 5052 Aluminum.	$ 1,164.00
WE336S-CCTVFL-P/B	336S Pole Mount CCTV Cabinet with PDA 30 amp, 4 equipment outlets, 2 GFI outlets, fan light, shelf and drawer. No sunshields	$ 3,504.00
WE332-DMSFL-B	332 DMS cabinet with 60 amp 120/240 Split phase PDA, fan light, shelf and drawer. No sunshield.	$ 4,323.00
WE302424-ITSNM-P-CCTV	30"H x 24"W x 24"D Pole Mounted cabinet with power panel for CCTV 30 Amp main breaker and 2 15 amp breakers. New Mexico	$ 3,738.00
WE302424-ITSNM-P-CCTV	30"H x 24"W x 24"D Pole Mounted cabinet with power panel for DMS, 2-30 Amp main breaker and 2-15 amp breakers. New Mexico	$ 3,894.00
	Medoco Locks	
LOCK-DB-EA-100221	Nexgen Traffic Box Lock	$ 302.00
KEY-S-EA-100156	Nexgen Electronic XT Slim Line Key	$ 115.00
KEY-PROG-USB-S-EA-100109	Nexgen Electronic XT Slim Line Key Programmer	$ 277.00
CHARGER-KEY-USB-CABLE-94-0290	Nexgen Electronic XT Slim Line Key Charger USB Cable	$ 302.00
SOFTWARE-XT-PLUS-SW-500301-2	BASIC Medeco Electronic Lock and Key Software (LIMIT 750 Keyholders) ANNUAL CHARGE!!!	$ 698.00
SOFTWARE-XT-PLUS-SW-500301-3	ADVANCED Medeco Electronic Lock and Key Software (LIMIT 750 Keyholders) Adds Remote and Mobile Programming and extended Schedules to Basic ANNUAL CHARGE!!!	$ 2,194.00
SOFTWARE-XT-PLUS-SW-500301-4	Medeco Electronic Lock and Key Software (LIMIT 1500 Keyholders) ANNUAL CHARGE!!!	$ 3,591.00
	Southern ILSN Sign Install Labor (CTC)	
CTCINSTALL	ILSN Installation to Mast Arm 2.5 hours/per sign $260 per hour	$ 650.00
CTCINSTALL	ILSN Installation LARGE Sign 5 hours/per sign $260 per hour (requires site visit)	$ 1,300.00
CTCINSTALL	ILSN Installation Wire pull cabinet to sign 2 Hours/per sign $260 per hour	$ 520.00
*PNS Wire	Wire for Sign (250 ft) per sign $.35 per ft inrolls of 2,900 ft	$ 114.00
*PNS Fuse	In Line Fuse (check with Agency to see if necessary)	$ 65.00
	Houston Radar Counters	
	Speedlane (2 Radars, Color HD Camera, Bluetooth)	
HRSL BASE	Speedlane Base Unit (Dual Radar, Color HD Camera, Bluetooth Interface, SQL Database, RS232 and 12VDC Power, Mounting Bracket, StatsAnalyser Software)	$ 5,064.00
HRSL SOLAR30	Solar Kit (96WHr LifePO Rechargeable Battery, 30 W Solar Panel, mounting bracket, 5 ft cable, AC Charger, On/Off Switch)	$ 1,104.00
HRSL UPS	UPS Kit (96WHr LifePO Rechargeable Battery, AC Charger, On/Off Switch)	$ 844.00
HRSL CELL	3G Penta Cell Modem w/ GPS (Full sized SIM and data plan NOT included)	$ 779.00

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HRSL ENET	Built in Ethernet Port (for video streaming)	$	649.00
HRSL BIPOE	Built in Power over Ethernet	$	389.00
HRSL EXPOE	External Power over Ethernet Injector	$	103.00
HRSL 16PC	16 ft Power and Serial Cable (M12-DB9)	$	48.00
HRSL 33PC	33 ft Power and Serial Cable (M12-DB9)	$	81.00
HRSL 20EC	20 ft Ethernet Cable (M12-RJ45)	$	81.00
HRSL 39EC	39 ft Ethernet Cable (M12-RJ45)	$	140.00
HRSL BAT	External Battery Augment	$	168.00
HRSL 9VR	9 hours of onboard 800x60010ffps Video Recording	$	727.00
HRSL 18VR	18 hours of onboard 800x60010ffps Video Recording	$	1,039.00
HRSL BLUE	Bluetooth DongleClass 1 Windows	$	30.00
HRSL PWPSUP	15 Watt, 12VDC Power Supply	$	51.00
HRSL TETACT	Tetyon Server Client Activation (allows Callout and aggregates data in cloud)	$	649.00
HRSL TETLX	Tetyon Package for Ubuntu Liux	$	-
HRSL TET MAINT	Tetyon Annual Maintenance	$	2,600.00
	Armadillo Tracker (Count and Class Radar)		
HRSL BASE	Armadillo Base Unit (LifePO Rechargeable Battery, Bluetooth Interface, USB Slow Charger, AC Quick Charger, 12V Car Charger, Mounting Bracket, ON/Off Switch, StatsAnalyser Software)	$	2,980.00
HRSL SOLAR5	Solar Kit (5 W Solar Panel, mounting bracket, 3 ft cable, Mounting Bracket)	$	563.00
HRSL SOLAR10	Solar Kit (10 W Solar Panel, mounting bracket, 3 ft cable, Mounting Bracket)	$	649.00
HRSL GPS	GPS Data Tagging Includes GPS Module and antenna)	$	311.00
HRSL CELL	3G Penta Cell Modem w/ GPS (Full sized SIM and data plan NOT included)	$	779.00
HRSL CASE	Weatherproof Carrying Case	$	260.00
	3M Loop Sealant		
	3M		
110501	Detector Loop Sealant (5 Gal Pail)	$	455.00
110506	Loop Sealant Ply-Pack	$	38.00
110507	Loop Sealant Ply-Pack Gun	$	260.00
	Flir Detection Products		
	Traficon Visual Cameras(Legacy)		
0	Traficon VIP/3D.1s - Vehicle Presence & Data Monitor Detector Board - 1 camera input - US Edge Connector	$	1,827.00
0	Traficon VIP/3D.2s - Vehicle Presence & Data Monitor Detector Board - 2 camera input - US Edge Connector	$	2,841.00
0	Traficon VIEWCOM/Es MAX + - Remote Monitoring & Setup Board - MPEG-4/H.264 - single slot - US Edge Connector	$	2,438.00
0	Traficon VIP Set Up Keypad - for DB9 Connector & Stereo Jack Connector	$	195.00
0	4 I/Os - Output Expansion Board - 4 outputs - single slot - US Edge Connector	$	514.00
0	2 I/Os - Output Expansion Board - 2 outputs - single slot - US Edge Connector	$	345.00
	Analog Thermal Imagers		
0	FC-369 T2 - QVGA, 69° H FOV, NTSC	$	2,126.00
0	FC-344 T2 - QVGA, 44° H FOV, NTSC	$	2,126.00
0	FC-332 T2 - QVGA, 32° H FOV, NTSC	$	2,126.00
0	FC-324 T2 - QVGA, 24° H FOV, NTSC	$	2,126.00
0	FC-317 T2 - QVGA, 17° H FOV, NTSC	$	2,126.00
	TrafiCam Visual Vehicle Detection (Legacy)		
0	TrafiCam wide angle	$	1,235.00
0	TrafiCam narrow angle	$	1,235.00
0	4TI ETH Edge - 4 outputs, SDLC via PIM module, USB, ETH - single slot - US Edge Connector	$	390.00
0	4/Os xp. Edge - Output Expansion Board - 4 outputs - single slot - US Edge Connector	$	325.00
0	4TI ETH - 16 outputs, USB, ETH	$	715.00
0	1TI - 4 outputs, USB	$	475.00
0	USB/A - USB/B Cable - for setup of 1TI, 4TI ETH and 4TI ETH Edge with PC	$	8.00
0	Spare Power / RS485 connector (8 pins, of which 5 pins color coded)	$	33.00
0	Sunshield for aluminum housing	$	39.00
	TrafiCam x-Stream2 Vehicle Detection, Traffic Data and Visual Traffic Monitoring		
0	Traficam Xstream2 Digital Visual Camera with Streaming capability Wide Angle	$	2,730.00
0	Traficam Xstream2 Digital Visual Camera with Streaming capability Narrow Angle	$	2,730.00
0	TI BPL2 Edge Card (supports up to 4 Cameras)	$	936.00
0	TI BPL2 Edge W/ BIU and SIU Interface SDLC Interface(supports up to 4 Cameras) (if SDLC needed)	$	1,287.00
0	4 I/O USB - Input Output Expansion Board (If more than 4 cameras needed in an intersection)	$	325.00
0	TI BPL2 interface - Power Line Interface - 16 outputs	$	936.00
0	Spare Connector - 8 pins - BPL2 - PoE	$	39.00

0	FLIR POE Interface	$	195.00
	TraffiRadar Visual Stop Bar Detection, Traffic Data & Traffic Monitoring. Radar Dilemna zone protection and Advance Detection (Radar and Visual Dual)		
0	TrafiRadar BPL Dual Detection Radar and Visual	$	4,615.00
0	TI BPL2 Edge Card (supports up to 4 Cameras)	$	780.00
0	4/Os xp. Edge - Output Expansion Board - 4 outputs - single slot - US Edge Connector	$	325.00
0	TI x-stream BPL interface - Power Line Interface - 16 outputs	$	936.00
0	TI xp BPL Expansion Board	$	475.00
0	Spare PosewerBPL Connector (3 wire)	$	39.00
0	TrafiOne Thermal Pedestrian Presence Detection & Visual Traffic Monitoring	$	1,287.00
0	TrafiOne 195 - QQVGA, 95° H FOV, 9Hz, including HD visual stream license	$	1,853.00
0	TrafiOne 156 - QQVGA, 56° H FOV, 9Hz, including HD visual stream license	$	1,853.00
0	TrafiOne pedestrian counting license fee - optionally, to be ordered in addition with 10-7070 or 10-7075	$	475.00
0	TI BPL2 EDGE - interface - 4 outputs - SDLC via PIM module - double slot - US Edge Connector	$	936.00
0	TI BPL2 EDGE - BIU & SIU interface - 4 outputs - SDLC - double slot - US Edge Connector	$	1,287.00
0	4I/O USB - input/output expansion board - 4 outputs - single slot - US Edge Connector	$	325.00
0	TI BPL2 interface - Power Line Interface - 16 outputs	$	936.00
0	Ethernet interface	$	195.00
0	FLIR POE Interface	$	195.00
0	Spare Rain Shield - for 10-7075	$	39.00
	TraffiSense2 Thermal Vehicle/Bicycle/Pedestrian Detection, Traffic Data & Traffic Monitoring		
0	Traffisense 2 Thermal Camera 690 (90 deg Field of View) Includes Sunshield	$	4,290.00
0	Traffisense 2 Thermal Camera 645 (45 deg Field of View) Includes Sunshield	$	4,290.00
0	Traffisense 2 Thermal Camera 632 (32 deg Field of View) Includes Sunshield	$	4,290.00
0	Traffisense 2 Thermal Camera 690 V2X (90 deg Field of View) Includes Sunshield (V2X Ready)	$	5,005.00
0	Traffisense 2 Thermal Camera 645 V2X (45 deg Field of View) Includes Sunshield (V2X Ready)	$	4,290.00
0	Traffisense 2 Thermal Camera 632 V2X (32 deg Field of View) Includes Sunshield (V2X Ready)	$	4,290.00
0	ITS-IQ Tier 1 Cloud Connectivity annual license fee (price per sensor per year)	$	224.00
0	ITS-IQ Tier 1 Cloud Connectivity annual license fee (price per sensor for 5 years)	$	1,047.00
0	ITS-IQ Tier 1 Cloud Connectivity annual license fee (price per sensor for 10 years)	$	1,794.00
0	ITS-IQ Tier 1 Wi-Fi Monitoring annual license fee (price per sensor per year)	$	897.00
0	ITS-IQ Tier 1 Wi-Fi Monitoring annual license fee (price per sensor for 5 years)	$	2,093.00
0	ITS-IQ Tier 1 Wi-Fi Monitoring annual license fee (price per sensor for 10 years)	$	2,990.00
0	Premium Traffic Data License Fee	$	650.00
0	Stopped Vehicle License Fee (Consult Flir for Price)	$	-
0	TI BPL2 Edge Card (supports up to 4 Cameras)	$	936.00
0	TI BPL2 Edge W/ BIU and SIU Interface SDLC Interface(supports up to 4 Cameras) (if SDLC needed)	$	1,287.00
0	4 I/O USB - Input Output Expansion Board (If more than 4 cameras needed in an intersection)	$	325.00
0	TI BPL2 interface - Power Line Interface - 16 outputs	$	936.00
0	Spare Connector - 8 pins - BPL2 - PoE	$	39.00
0	FLIR POE Interface	$	195.00
	TraffiSense 2 DUAL Thermal and Visual (for Vehicle/Bike/Pedestrian Detection, Traffic Data and Thermal AND Visual Traffic monitoring)		
0	Traffisense 2 Dual Thermal Camera 690 (90 deg Field of View) Visual 30-90 Deg HD, Includes Sunshield	$	5,590.00
0	Traffisense 2 Dual Thermal Camera 645 (45 deg Field of View) Visual 5-50 Deg HD, Includes Sunshield	$	5,590.00
0	Traffisense 2 Dual Thermal Camera 632 (32 deg Field of View) Visual 5-50 Deg HD, Includes Sunshield	$	5,590.00
0	TI BPL2 Edge Card (supports up to 4 Cameras)	$	936.00
0	TI BPL2 Edge W/ BIU and SIU Interface SDLC Interface(supports up to 4 Cameras) (if SDLC needed)	$	1,287.00
0	4 I/O USB - Input Output Expansion Board (If more than 4 cameras needed in an intersection)	$	325.00
0	FLIR POE Interface	$	195.00
0	Spare Rain Shield - for 10-7075	$	39.00
	Acyclica Hardware Clound Connectivity, Travel Times/Origin - Destination, Cabinet Health Monitoring		
0	DA4 Data Aggregator (Requires software license to use)	$	1,803.00
0	SDLC Y Cable 5 ft	$	338.00
0	Cabinet Interface Harness Kit	$	338.00

0	5 Band MIMO Antenna - SMA	$	182.00
0	5 Band MIMO Antenna - SMA Low Profile	$	345.00
0	SIM Card fro Cell Service	$	13.00
	Acyclica 1 Yr Software Licenses and Modules (Per Location, Per Year)		
0	Flir Detectors VSO (Vehicle Speed and Occupancy)1 yr License (Historical and Real Time, Images and Events)	$	195.00
0	NON-Flir Detectors VSO (Vehicle Speed and Occupancy as avaiable) 1 yr License	$	156.00
0	Travel Time (Travel and Delay Time, O/D) 1 Yr License	$	585.00
0	Modules requiring Travel Time Basic Module	$	-
0	Signal Timing Tools (Advance travel and Delay Time, progression Diagram, Speed by Segment, Timing Planning)	$	312.00
0	Reporting Module (Route and segment Travel Time Distribution, Turning Movement Count)	$	312.00
0	Planning Module Advanced O/D)	$	312.00
	Modules requiring Travel Time Basic Module AND FLIR VSO License		
0	Route Performance Measures	$	312.00
	Modules requiring Travel Time Basic Module AND Connection to Signal Phase Info		
0	Intersection Performance Measures	$	312.00
	Module Bundle		
0	Flir Sensor Package (Flir VSO, Travel Time, Sinal Timing Tools, Reporting Module, Planning Module, Route Performance and intersection Performance)	$	2,028.00
0	Cellular Data Service 1 Yr	$	520.00
0	Dedicated cloud VPN (price per client group per year)	$	5,200.00
	Acyclica 5 Yr Software Licenses and Modules (Per Location, 5 Years for price of 4)		
0	Flir Detectors VSO (Vehicle Speed and Occupancy)5 yr License (Historical and Real Time, Images and Events)	$	780.00
0	NON-Flir Detectors VSO (Vehicle Speed and Occupancy as avaiable) 5 yr License	$	624.00
0	Travel Time (Travel and Delay Time, O/D) 5 Yr License	$	2,340.00
	Modules requiring Travel Time Basic Module		
0	Signal Timing Tools (Advance travel and Delay Time, progression Diagram, Speed by Segment, Timing Planning)	$	1,248.00
0	Reporting Module (Route and segment Travel Time Distribution, Turning Movement Count)	$	1,248.00
0	Planning Module Advanced O/D)	$	1,248.00
	Modules requiring Travel Time Basic Module AND FLIR VSO License		
0	Route Performance Measures	$	1,248.00
	Modules requiring Travel Time Basic Module AND Connection to Signal Phase Info		
0	Intersection Performance Measures	$	1,248.00
	Module Bundle		
0	Flir Sensor Package (Flir VSO, Travel Time, Sinal Timing Tools, Reporting Module, Planning Module, Route Performance and intersection Performance)	$	8,112.00
0	Cellular Data Service 5 Yr	$	2,600.00
0	Dedicated cloud VPN (price per client group per year)	$	20,800.00
	DA-400 and Software Bundles		
0	DA-400 5 Yr Congestion Package (Includes DA-400 with Power Cable only, Travel Time, Intersection Performance)(Must add Antenna and Harness and cell service if needed)	$	4,251.00
0	DA-400 5 Yr All Package (Includes DA-400 with Power Cable only, Travel Time, Intersection Performance, Signal Timing, Reporting, Planning, Route Performance) (Must add Antenna and Harness and cell service if needed)	$	7,995.00
	API Integration and Usage		
0	API Integration and Usage (Consult Flir for pricing	$	-
	FLUX Traffic Management System		
0	FLUX Traffic Mgt Sytem 1 Server License (must ALWAYS add 10-150 and 10-160 to this?)	$	5,590.00
0	FLUX Embedded Clustering LibraryLicense	$	325.00
0	FLUX Embedded Database License	$	325.00
0	FLUX 1 video Channel License for viewing Data Streaming	$	163.00
0	Queue Length & Waiting Time License - for ramp metering applications (price per single video channel)	$	390.00
	FLIR Extended Warranty (3 Yr Standard)		
0	1 additional Year Extended Warranty 7%, (5 Year Total Maximum) Add 1 to QTY)		7.00%
0	2 Additional Year Extended Warranty 14%, (5 Year Total Maximum (Add 1 to QTY)		14.00%
	CTC Installation Labor (Per Hour)		
CTCINSTALL	Driving Time One Man and Pickup Truck	$	130.00
CTCINSTALL	On Site Time One Man and Pickup Truck (2 Hr minimum including drive time)	$	130.00
CTCINSTALL	Second Man (Include Both Drive and On Site time)	$	85.00

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CTCINSTALL	Second Man with a Pickup to be used as a Crash Truck (Use whenever a bucket truck is needed on a two lane or larger road) (Include Both Drive and On Site time)	$ 130.00
CTCINSTALL	Bucket Truck Upcharge (Include Both Drive and On Site Time)	$ 50.00
CTCINSTALL	Intersection Turn on	$ 1,350.00
CTCINSTALL	Local or Additional Intersections (Same Day)	$ 375.00
CTCINSTALL	Mobilization Charge Per Hour (includes Site Survey and Line Locates)	$ 130.00
CTCINSTALL	Equipment Rental	
CTCINSTALL	Travel and Other Expenses (Hotel Air rent car meals etc.)	

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AMENDMENT No. 1 to CONTRACT No. PE05-21

For

Traffic Control, Enforcement and Signal Preemption Equipment

Between

HOUSTON-GALVESTON AREA COUNCIL

And

Consolidated Traffic Controls, Inc.

THIS AMENDMENT modifies the above referenced Contract as follows:

Clarifies Articles 26, 27, and 28 in Special Provisions of the above referenced Agreement (#6676) should read as follows:

ARTICLE 26: CONTRACT WORK HOURS AND SAFETY STANDARDS

As per the Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708), where applicable, all Customer Purchase Orders in excess of $100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

ARTICLE 27: PROFIT AS A SEPARATE ELEMENT OF PRICE

For purchases using federal funds in excess of $150,000, a Customer may be required to negotiate profit as a separate element of the price. See, 2 CFR 200.323(b). Contractor agrees to provide information and negotiate with the Customer regarding profit as a separate element of the price for the purchase. Contractor also agrees that the total price, including profit, charged by Contractor to Customer will not exceed the awarded pricing, including any applicable discount, under any awarded contract.

ARTICLE 28: BYRD ANTI-LOBBYING AMENDMENT

Byrd Anti-Lobbying Amendment (31U.S.C. 1352) – Contractors that apply or bid for an award exceeding $100,000 must file the required anti-lobbying certification. Each tier must certify to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the Customer. As applicable, Contractor agrees to file all certifications and disclosures required by, and otherwise comply with, the Byrd Anti-Lobbying Amendment (31 USC 1352).Contractor certifies that it is currently in compliance with all applicable provisions of the Byrd Anti-Lobbying Amendment (31 U.S.C. 1352) and will continue to be in compliance throughout the term of the Contract and further certifies that:

1. No Federal appropriated funds have been paid or will be paid by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of a Federal contract, the making of a Federal Grant, the making of a Federal Loan, the entering into a cooperative Master Agreement, and the extension, continuation, renewal, amendment, or modification of a Federal contract, grant, loan, or cooperative

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Master Agreement.

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing, or attempting to influence, an officer or employee of a Member of Congress in connection with a Federal contract, grant, loan, or cooperative Master Agreement, Contractor shall complete and submit Standard Form – LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.
3. Contractor shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative Master Agreements) and that all subcontractors shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certificate is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

Unless otherwise noted, this amendment goes into effect on the date signed by **H-GAC.** All other terms and conditions of this Contract shall remain unchanged and in full force and effect.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their respective duly authorized representatives.

Signed for **Houston-Galveston Area Council,**
Houston, Texas

DocuSigned by:
82EC270D5D61423...
Chuck Wemple, Executive Director

Date: 12/28/2021

Signed for: **Consolidated Traffic Controls, Inc.**

DocuSigned by:
Bryan Jones
4CFC215BBD244A0...

Printed Name & Title: Bryan Jones Senior Vice President

Date: 12/27/2021

DocuSign Envelope ID: FB1DFE02-6418-4762-9ACA-A60F32982487

AMENDMENT No. 2 to CONTRACT No. PE05-21
For
Traffic Control, Enforcement & Signal Preemption Equipment
Between
HOUSTON-GALVESTON AREA COUNCIL
And
Consolidated Traffic Controls, Inc.

THIS AMENDMENT modifies the above referenced Contract as follows:

This contract is extended through April 30, 2024 Midnight CT.

Unless otherwise noted, this amendment goes into effect on the date signed by **H-GAC.** All other terms and conditions of this Contract shall remain unchanged and in full force and effect.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their respective duly authorized representatives.

Signed for **Houston-Galveston Area Council,**
Houston, Texas

DocuSigned by:
82EC270D5D61423...
Chuck Wemple, Executive Director

Date: 4/27/2023

Signed for: **Consolidated Traffic Controls, Inc.**

DocuSigned by:
Bryan Jones
4CFC215BBD244A0...

Printed Name & Title: Bryan Jones Senior Vice President

Date: 4/26/2023

Updated H-GAC Price List
Feb 6, 2024

https://www.hgacbuy.org/media/hgacbuy/catalogs/PE05-21/Consolidated-Traffic-Controls.zip

Consolidated Traffic Controls, Inc.
Serving The Traffic Industry Since 1980

HGACBuy
THE SMART PURCHASING SOLUTION

RTC School Flasher Systems

Flash Cube for School or 24 Hour Flashers

Must Add Solar Panels, Batteries, Poles, Anchors, Signs, Time Switches and Communication if Applicable

If you want a yellow Flash Cube Check Yes
If you want a yellow Signal Face Check Yes
If you want a yellow Visor Check Yes
If you want a Red LED Check Yes
If you want a 24 Hour Flasher Check Yes

CTC Part Number	Description	Unit Price
PNS10-FlashCube	Black DC Flash Cube Includes Cabinet, LED, Signal Face, Visor and Wiring and Solar Mounting Receiver	$ 1,639.00
PNS10-FlashCubeY	Yellow DC Flash Cube Includes Cabinet, LED, Signal Face, Visor and Wiring and Solar Mounting Receiver	$ 1,639.00
PNS10-FlashCube-G	Black DC Flash Cube With Guardian Includes Cabinet, Yellow LED, Signal Face, Visor and Wiring and Solar Mounting Receiver	$ 1,924.00
PNS10-FlashCube24	Black 24 Hour DC Flash Cube Includes Cabinet, Yellow LED, Signal Face, Visor and Wiring and Solar Mounting Receiver	$ 1,646.00
PNS10-FlashCube24RED	Black 24 Hour RED LED DC Flash Cube Includes Cabinet, Red LED, Signal Face, Visor and Wiring and Solar Mounting Receiver	$ 1,738.00
PNS10-FlashCube-AC	AC Black Flash Cube Includes Cabinet, Yellow LED, Signal Face, Visor and Wiring and Solar Mounting Receiver	$ 1,377.00
PNS10-Cube2	Add a Second Yellow LED, Signal, Visor and Mount to FlashCube	$ 416.00
PNS10-Cube3	Add a Third Confirmation Yellow LED, Signal, Visor and Mount	$ 416.00
	FlashCube Mounting Options	
PNS10-503396	Pole Mount 4.5" OD Pole	$ 161.00
PNS10-503396-3	Pole Mount 2 7/8 to 3.00" OD Pole	$ 164.00
PNS10-503398	Pole Mount 2 3/8" OD Pole	$ 157.00
PNS10-503397	Pole Mount 2"x 2" Unistrut Pole	$ 125.00
PNS10-503396W	Wooden Pole 4x4 or 6x6	$ 125.00
	FlashCube Solar Panel Options	
PNS10-502400-50A	50 Watt Solar Panel Assy incl Mount and Wiring	$ 293.00
PNS10-502400-65	65 Watt Solar Panel Assy incl Mount and Wiring	$ 406.00
	FlashCube Replacement LED's	
PNS10-502463	Amber Replacement Master LED W/ Regulator & Dimming for a School Flasher or 24 Hour Flasher	$ 350.00
PNS10-502463-8W-Red	Red Replacement Master LED W/ Regulator & Dimming for a 24 Hour Flasher	$ 350.00

School Zone Flashers

Select Cabinet, Solar Panel, Battery, IL LEDS, Signals, Signs, Poles, Time Switches and Comm. Equip. below)

If this is a 24 Hour Flasher Check Yes

Standard Cabinets WITH Guardian

PNS10-503333GK	One Battery Cabinet Including Panel No. 2 lock, Regulator and 4.5" Ubolt Mount 18W"x17H"x14" With Guardian	$	1,548.00
PNS10-503333-3GPTK	One Battery Cabinet Including Panel Three Point lock, Regulator and 4.5" Ubolt Mount 18W"x17H"x14"	$	1,507.00
PNS10-503333GHBK	One Battery Cabinet Including Panel No. 2 lock, Regulator and Hinge Bracket (All Poles Sizes) 18W"x17H"x14"D With Guardian	$	1,408.00
PNS10-503333GFBK	One Battery Cabinet Including Panel No. 2 lock, Regulator and Flared Bracket Mount 18W"x17H"x14"D With Guardian	$	1,408.00
PNS10-503568GK	Two Battery Cabinet Including Panel No. 2 lock, Regulator and 4.5" Ubolt Mount 17 1/4"x26"x17" With Guardian	$	1,574.00
PNS10-503576GK	Two Battery Cabinet Including Panel No. 2 lock, Regulator and Flare Mounting Bracket 17 1/4"x26"x17" With Guardian	$	1,574.00
PNS10-502565GK	AC Cabinet Including Panel, NEMA Flasher, #2 Lock 4.5" Flare Mount 14"x16"x10" With Guardian	$	1,339.00
PNS10-502564GK	AC Cabinet Including Panel, NEMA Flasher, #2 Lock 4.5" Ubolt Mount 14"x16"x10" With Guardian	$	1,339.00
PNS10-502564HBGK	AC Cabinet Including Panel, NEMA Flasher, #2 Lock 4.5" Hinge Bracket Mount 14"x16"x10" With Guardian	$	1,339.00
	Standard Cabinets WITHOUT Guardian		
PNS10-503333K	One Battery Cabinet Including Panel No. 2 lock, Regulator and 4.5" Ubolt Mount 18W"x17H"x14"	$	1,132.00
PNS10-503333-3PTK	One Battery Cabinet Including Panel Three Point lock, Regulator and 4.5" Ubolt Mount 18W"x17H"x14"	$	1,334.00
PNS10-503333HBK	One Battery Cabinet Including Panel No. 2 lock, Regulator and Hinge Bracket (All Poles Sizes) 18W"x17H"x14"D	$	1,132.00
PNS10-503333FBK	One Battery Cabinet Including Panel No. 2 lock, Regulator and Flared Bracket Mount 18W"x17H"x14"D	$	1,132.00
PNS10-503333-24K	One Battery Cabinet Including 24 hour flasher Panel No. 2 lock, Regulator and Flared Bracket Mount 18W"x17H"x14"D	$	1,132.00
PNS10-503568K	Two Battery Cabinet Including Panel No. 2 lock, Regulator and 4.5" Ubolt Mount 17 1/4"x26"x17"	$	1,297.00
PNS10-503576K	Two Battery Cabinet Including Panel No. 2 lock, Regulator and Flare Mounting Bracket 17 1/4"x26"x17"	$	1,297.00
PNS10-502565K	AC Cabinet Including Panel, NEMA Flasher, #2 Lock 4.5" Flare Mount 14"x16"x10"	$	897.00
PNS10-502564K	AC Cabinet Including Panel, NEMA Flasher, #2 Lock 4.5" Ubolt Mount 14"x16"x10"	$	897.00
PNS10-502564HBK	AC Cabinet Including Panel, NEMA Flasher, #2 Lock 4.5" Hinge Bracket Mount 14"x16"x10"	$	897.00
	Dallas Texas School Flasher Kits		
PNS10-DALDCSZ1+ 13-8A30 HE	DC School Zone Complete Upgrade into existing Cabinet, Including 65W Solar Panel, 2 Yellow Alum Heads w/ Yellow LEDs, Guardian, AP22, M2M Modem and 5Yr Plan, (Battery added on CTC Side)	$	3,964.00
PNS10-DALDCSZ2+ 13-8A30 HE	DC School Zone Partial Upgrade into existing Cabinet (No Solar Panel, No Heads or LEDs), Including Guardian, AP22, M2M Modem and 5Yr Plan, (Battery added on CTC Side)	$	2,718.00
	Tacoma Washington Schooll Flasher Kits		
PNS10-TACOMAM2MAC	AC Cabinet Including M2M Modem and 5 Yr Plan, Panel, CUBE Flasher, #2 Lock 4.5" Flare Mount 14"x16"x10"	$	2,756.00
PNS10-TACOMAM2MDC	DC Cabinet Including M2M Modem and 5Yr Plan, Panel, CUBE Flasher, #2 Lock 4.5" Flare Mount 14"x16"x10"	$	4,342.00
PNS10-502565TWCGK	Tacoma AC Cabinet & Panel ONLY, (No AP22, No Modem and Plan, No LED's or Signals)	$	962.00
	TXDOT Approved School Flasher System - Includes Timeswitch, Signals, LEDs, 40W Solar Panel, Top of Pole Mount and 110 Ah Batteries if DC (add Pole and Signs if needed)		

PNS10-TXDCSZ	TXDOT One Battery Cabinet Including Panel No. 2 lock, Regulator and Flare Bracket Mount	$	3,015.00
PNS10-TXDC2BATT	TXDOT Two Battery Cabinet Including Panel No. 2 lock, Regulator and Flare Bracket Mount	$	3,618.00
PNS10-TXACSZ	TXDOT AC Cabinet Including Panel, NEMA Flasher, #2 Lock Flare Bracket Mount	$	1,863.00
0	Enter $ amt. for Custom Cabinet If Applicable		
	If you want a BLACK Cabinet & Mount Check Yes and enter quantity below in Powder Coating		
	If you want a BLACK Pole Assembly Check Yes and enter quantity below in Powder Coating		
PNS10-Cab Black	Powder Coat Cabinet & Mounting Bracket Black	$	117.00
	Special Colors are available but take longer. Call for prices.		
	Regular Solar Panels		
	Includes 4.5" OD Pole Mount Hardware		
PNS10-SP20	20 Watt Solar Panel Assy incl Side Pole Mount and Wiring	$	320.00
PNS10-SP30	30 Watt Solar Panel Assy incl Side Pole Mount and Wiring	$	378.00
PNS10-SP50	50 Watt Solar Panel Assy incl Side Pole Mount and Wiring	$	358.00
PNS10-SP65	65 Watt Solar Panel Assy incl Top of Pole Mount and Wiring	$	612.00
PNS10-SP85	85 Watt Solar Panel Assy incl Top of Pole Mount and Wiring	$	659.00
PNS10-SP100	100 Watt Solar Panel Assy incl Top of Pole Mount and Wiring	$	672.00
PNS10-SP130	130 Watt Solar Panel Assy incl Top of Pole Mount and Wiring	$	807.00
PNS10-SP150	150 Watt Solar Panel Assy incl Top of Pole Mount and Wiring	$	905.00
	If you want to mount Panel to the shaft or Mast Arm of a Signal Pole Check Yes		
PNS10-503371IR	Iron Ridge 110 MPH Wind rated Mount	$	166.00
PNS10-503371IRS	Support Bracket to add Strength to Iron Ridge for 85 - 150 W Panel if Needed	$	122.00
	Batteries		
PNS10-506484-18	22 (was 18) Amp Hour Gel Cell Battery	$	107.00
PNS10-500645-36	36 Amp Hour Gel Cell Battery Interstate	$	202.00
PNS10-500645-53	53 Amp Hour Gel Cell Battery Interstate	$	283.00
PNS10-500645-104	104 Amp Hour Gel Cell Battery Interstate	$	463.00
PNS10-500645AGMI	110 Amp Hour AGM Battery Interstate (TXDOT Cabinets)	$	404.00
	Pole Assemblies (includes Base, Collar, Anchor Bolts and Grounding Lug)		
PNS10-POLE15SPALASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts	$	909.00
PNS10-POLE15SSASSY	15' Stainless Steel Pole, Base and Collar and Anchor Bolts	$	948.00
PNS10-POLE15BLKASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts Powdercoated Black	$	971.00
PNS10-POLE12SPALASSY	12' Spun Aluminum Pole, Base and Collar Anchor Bolts	$	848.00
PNS10-POLE20SPALASSY	20' Spun Aluminum Pole, Base and Collar and Anchor Bolts	$	1,023.00
	If you want to use a Screw-In Anchor instead of Anchor Bolts select an Anchor		
PNS10-		$	70.00
PNS10-501312SA4	4" Anchor Pelco PB-5364	$	623.00
PNS10-501312SA8	8" Anchor Pelco PB-5375	$	1,266.00
	12" Signals (Includes Visor, closure kit and Ubolt mounting hdwre)		
PNS10-SIGPY	12" Signal Heads Poly Yellow (1, 2 or 3 per flasher)	$	222.00
PNS10-SIGPB	12" Signal Heads Poly Black (1,2 or 3 per flasher)	$	222.00
PNS10-SIGAY	12" Signal Heads Aluminum Yellow (1, 2 or 3 per Flasher)	$	250.00
PNS10-SIGAB	12" Signal Heads Aluminum Black (1, 2 or 3 per flasher)	$	250.00
	If you want to use a Side by Side Mounting instead of Top and Bottom Check Yes		
	12" LED's		

PNS10-502463	12" Amber DC 5 Watt LED IL (RTC Standard) (1, 2 or 3 per flasher)	$	68.00
PNS10-502463YAC	12" Amber AC LED IL (1, 2 or 3 per flasher)	$	68.00
PNS10-502463-8W-Red	12" Red DC 8 Watt LED IL	$	85.00
	8" Signals & LEDs, Includes Visor, closure Kit and Ubolt Mount		
PNS10-SIG8PY	8" Signal Heads Poly Yellow	$	185.00
PNS10-SIG8AY	8" Signal Heads Aluminum Yellow	$	203.00
PNS10-502463-8L	8" Amber 5 Watt DC LED IL	$	77.00
PNS10-506493	8" Amber AC LED	$	77.00
	Static Signs (Includes Ubolt Mounting Hdwre, Banding on request)		
PNS10-S1S5-1-MPH?	S5-1 Speed Limit Sign High Vis Florescent Green (24"x48")	$	306.00
PNS10-501510	S5-1 Speed Limit Sign Engineer Grade Std Yellow (24"x48")	$	280.00
PNS10-S1S5-1-MPH-G-60	S5-1 Speed Limit Sign High Vis Florescent Green (30"x60")	$	525.00

What Speed Limit do you want on the sign?

MPH?
MPH?

If you want Banding Instead of Ubolt Check Yes

If You prefer Specific Times instead of While Flashing, Check Yes and add the times needed below

Am	Pm		
7:45 - 8:45	3:15 - 4:00		
PNS10-S1S7-1TK	Cell Phone Prohibited Sign (24"x18")	$	130.00
PNS10-S1S1-1-LGK	S1-1 School Pedestrian Sign Left WITHOUT Lines (36"x36") HV Green	$	348.00
PNS10-S1S1-1-RGK	S1-1 School Pedestrian Sign Right WITHOUT Lines (36"x36") HV Green	$	348.00
PNS10-S1S2-1-LGK	S2-1 School Pedestrian Sign Left WITH Lines (36"x36") HV Green	$	348.00
PNS10-S1S2-1-RGK	S2-1 School Pedestrian Sign Right WITH Lines (36"x36") HV Green	$	348.00
PNS10-S1R2-6PK	R2-6P "Fines Higher" Black and White 24"x18"	$	126.00
PNS10-S1S4-3P-K	S4-3P "School" Sign HV Green (10"x24")	$	98.00
PNS10-S1S4-4PK	S4-4P "When Flashing" Sign HV Black/White (10"x24")	$	87.00
PNS10-S1W11-15K	W11-15 "Ped/Bicycle Crossing" Sign HV Green (30"x30")	$	177.00
PNS10-S1S5-2K	S5-2 "End School Zone" Sign Black/White (24"x30")	$	177.00
PNS10-S1W16-7P24-GK	W16-7P Arrow Pointing Left to Crossing Sign (24"x12") HV Green	$	113.00
PNS10-S1W16-7P24-RGK	W16-7P Arrow Pointing Right to Crossing Sign (24"x12") HV Green	$	113.00
PNS10-S1W16-7P-GK	W16-7P Arrow Pointing Left to Crossing Sign (30"x18") HV Green	$	164.00
PNS10-S1W16-7PR-GK	W16-7P Arrow Pointing Right to Crossing Sign (30"x18") HV Green	$	164.00
PNS10-S1W16-9P-GK	W16-9P "Ahead" Sign (30"x18") HV Green	$	163.00
PNS10-502309	Sign Brackets ONLY (Signs come with Brackets)	$	44.00
	Edge Light School Zone Signs (Sign Only to add to existing battery cabinet installation) Includes 8 LED's (for 12 LED's add $150)		
PNS10-S1ELASSY	This line adds a Cabinet (Including Configurable Dimming and Configurable Flash Patterns), 50W Solar Panel, 22Ah Battery to ANY Edgelight© sign. Note: with one battery cabinet you can add an AP22 Time Switch, Guardian© and M2M communication to any sign from School Flasher Section. Pole Assembly also not included.	$	985.00
	What Size Pole will this sign and Cabinet be installed on?		Pole Size Here
PNS10-S1ELS5-1-15	S5-1 Speed Limit Edge Light Sign 15MPH (High Vis Florescent Green 24"x48")	$	1,222.00

If not 15 MPH, What Speed do you want on the sign?

If You prefer Specific Times instead of When Flashing, Check Yes and the times needed below

Am	Pm
7:45 - 8:45	3:15 - 4:00

PNS10-S1S1-1-30GK	S1-1 Edge Light School Pedestrian Sign Left WITHOUT Lines (Green) (30"x30")	$	1,128.00
PNS10-S1ELS1-1-RGK30K	S1-1 Edge Light School Pedestrian Sign Right WITHOUT Lines (Green) (30"x30")	$	1,162.00
PNS10-S1ELS1-1-LGK	S1-1 Edge Light School Pedestrian Sign Left WITHOUT Lines (Green) (36"x36")	$	1,162.00
PNS10-S1ELS1-1-RGK	S1-1 Edge Light School Pedestrian Sign Right WITHOUT Lines (Green) (36"x36")	$	1,162.00
PNS10-S1ELS2-1-LGK	S1-1 Edge Light School Pedestrian Sign Left WITH Lines (Green) (36"x36")	$	1,162.00
PNS10-S1ELS2-1-RGK	S1-1 Edge Light School Pedestrian Sign Right WITH Lines (Green) (36"x36")	$	1,162.00
PNS10-S1ELW16-7P24-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (Green) (24"x12")	$	1,080.00
PNS10-S1ELW16-7P24-RGK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (Green) (24"x12")	$	1,080.00
PNS10-S1ELW16-7P-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (Green) (30"x18")	$	1,070.00
PNS10-S1ELW16-7PR-GK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (Green) (30"x18")	$	1,070.00
PNS10-S1ELW16-9P-GK	W16-9P Edge Light "Ahead" Sign (Green) (30"x18")	$	1,070.00
PNS10-S1ELS7-1TK	Edge Light Cell Phone Prohibited Sign White (24"x18")	$	1,053.00
	Time Switches		
PNS10-503644	AP22 Time Switch W/ Harness	$	503.00
PNS10-503644TX	TXDOT/ELTEC Replacement AP22 Time Switch W/ Harness	$	503.00
PNS10-503644L	AP22 Time Switch LIGHTED Display W/ Harness	$	545.00
PNS10-503644B	AP22 Time Switch Without Harness	$	494.00
PNS10-503644BTX	TXDOT/ELTEC Replacement AP22 Time Switch W/O Harness	$	494.00
PNS10-501614	AP21 Time Switch W/ Harness	$	399.00
PNS10-501614B	AP21 Time Switch W/O Harness	$	390.00
PNS10-503645X	CPR 2102 without Pager W/O Harness for M2M or Radio Systems	$	497.00
PNS10-501628	ADD a CPR 2102 TXDOT/ELTEC Replacement Wiring Harness	$	49.00
PNS10-503518	ADD a CPR 2102 Replacement Wiring Harness	$	49.00
	RTC Time Switch M2M Upgrade Program		
PNS10-AP22 UPGR	AP22 Upgrade (Board Replacement) includes 5 Yr Warranty	$	311.00
PNS10-AP22 UPGR	AP22 Upgrade (NO Board Replacement)	$	155.00
PNS10-CPR UPGR	CPR 2102 Upgrade Years 1-5 (Board Replacement) 5 Yr Warranty	$	311.00
PNS10-CPR UPGR	CPR 2102 Upgrade Years 1-5 (NO Board Replacement)	$	155.00
PNS10-CPR UPGR10YR	CPR 2102 Upgrade Year 6 and up (Board Replacement)	$	368.00
	Guardian Flasher Monitoring System		
PNS10-Guard	DC Guardian Board with Complete 3 way Wiring Harness only (use to replace existing FCB Board and only if there is an existing functional 6 terminal regulator)	$	416.00
PNS10-Guard1	DC Guardian Board with Complete 3 way Wiring Harness mounted on small panel (use if there is an existing functional 6 terminal regulator)	$	452.00
PNS10-GuardTX	DC Guardian Board with Complete 3 way TXDOT Wiring Harness and Large Panel, includes a new 20A regulator	$	699.00
PNS10-Guard2	DC Guardian Board with Complete 3 way Wiring Harness and Large Panel, includes a new 20A regulator	$	699.00
PNS10-GuardAC1	AC Guardian (Blue Enclosure) with Complete 2 way Wiring Harness (to be wired into panel with existing NEMA Flasher)	$	471.00
PNS10-507403S	Optional Door Switch for DC Guardian	$	39.00
PNS10-507403SC	Optional Door Switch for AC Guardian	$	39.00
PNS10-502598KDA	Optional Knockdown Sensor for DC Guardian (alereadly included on AC Guard board) Note this is for a sensor install in our shop. Add labor for a retrofit installtion in the field.	$	99.00
PNS10-507403H2	DC Guardian Complete 3 Way Harness	$	29.00
PNS10-507403HACG	AC Guardian Complete 3 Way Harness	$	68.00
	M2M Systems		
PNS10-M2M5YR-4AK	Five Year Plan With Modem, Cell Service, Cable, Mount and Antenna	$	1,300.00
PNS10-M2M3YR-4AK	Three Year Plan With Modem, Cell Service, Cable, Mount and Antenna	$	1,100.00
PNS10-M2M1YR-4AK	One Year Plan With Modem, Cell Service, Cable, Mount and Antenna	$	900.00
PNS10-M2M5YR-RE	Five Year Cell Service Plan Only	$	720.00

PNS10-M2M3YR-RE	Three Year Cell Service Plan Only	$	540.00
PNS10-M2M1YR-RE	One Year Cell Service Plan Only	$	244.00
PNS10-M2M1MONTH-RE5	One MONTH Adder to renewal plan to match existing 5 YR service ONLY	$	12.00
PNS10-M2M1MONTH-RE3	One MONTH Adder to renewal plan to match existing 3 YR service ONLY	$	15.00
PNS10-M2M1MONTH-RE1	One MONTH Adder to renewal plan to match existing 1 YR service ONLY	$	20.00
PNS10-CANADA	Canadian Plans Per Year Adder	$	26.00
PNS10-503644	Include an AP22 with ANY Modem and Plan	$	438.00
PNS10-503644TX	Include a TXDOT AP22 with ANY Modem and Plan	$	438.00
PNS10-M2M4WA	Modem With Cable, Mount and Paddle Antenna	$	725.00
PNS10-M2MTSC	TSC Modem With Cable, Slide on Bracket, Antenna (Includes SIM card, plan billed directly to customer)	$	654.00
PNS10-M2M4WOA	Modem With Cable, Mount but no Antenna	$	633.00
PNS10-M2MOBSWAR-4G	Modem Obsolescence Warranty (ONLY for Use with 5 yr plan Renewals)	$	348.00
PNS10-M2MYagi	7-10 Db M2M Yagi Antenna with 15' Lead and 20" Offset Mounting Bracket	$	269.00
PNS10-506473	7-10 Db M2M Omni Puck Antenna with 3' Lead and Mounting Bracket	$	131.00
PNS10-506473MT	Internal Paddle Antenna	$	55.00
PNS10-M2MYCBL	M2M and E2 Y Programming Cable	$	43.00
PNS10-506475M2	Modem Cable for 3G or 4G modem	$	43.00
PNS10-M2MWRTY3	Additional 3 Year Warranty on Modem to get to 5 year total Warranty	$	176.00
	Central R2 Radio System		
PNS10-R2Master	Master 900 MHz Radio with Mounted 6dB OMNI Antenna & 50' Lead w/ Suppressor	$	1,170.00
PNS10-R2Remote	Remote 900 MHz with Mounted 10dB Yaggi Antenna & 25' Lead (Can be used as mobile Radio too)	$	965.00
PNS10-503648DM	Replacement Master Radio without Power Supply (No Antenna Included)	$	737.00
PNS10-503648DSA	Replacement Remote Radio without Power Supply (No Antenna Included)	$	737.00
	If either Replacement Radio is a Repeater please Check Yes		
PNS10-R2ESR2	ESR 902 Serial Port Server & Cables to connect existing radio to network	$	1,141.00
	E2 Ethernet Switch		
PNS10-503486	E2 Ethernet Switch Converter	$	307.00
PNS10-503486YC	E2 Y programming Cable	$	21.00
	Central R1 (MDS) Radio System (Existing Customers Only)		
PNS10-503646	Master MDS 900 MHz Radio Kit with Mounted 5dB OMNI Antenna & 50' Lead w/ Suppressor, Power Supply Bracket and 15' Cable	$	1,226.00
PNS10-503648CKIT	Remote MDS 900 MHz Radio with Mounted 10dB Yagi Antenna & 25' Lead w/ Suppressor	$	1,226.00
PNS10-505402	Replacement Master Radio without Power Supply or cable (No Antenna Included)	$	1,023.00
PNS10-503648C	Replacement Remote Radio without Power Supply (for AP22 or CPR2102 Antenna Included)	$	1,023.00
PNS10-503644LV	AP22 with Remote MDS 900 MHz Radio with Mounted Yagi Antenna and 40' Lead/ suppressor for Las Vegas Nevada	$	1,564.00
PNS10-503644EK	AP22 with Remote MDS 900 MHz Radio with Mounted Yagi Antenna and 40' Lead/ suppressor for Clark County	$	1,617.00
	If either Replacement Radio is a Repeater please Check Yes		
PNS10-501676F	Master MDS Radio and ESR 902 Ethernet Switch and Cables	$	2,508.00
	This LAN assembly comes with a 50 ft. antenna lead. If you need more (or less) cable, please call RTC at (800) 782-8721 for pricing.		

RTC Driver Feedback Signs

Size, Power, Color and Commuincation Options

After selecting the Sign, add the Color Sign Face required (Engineer Orange Available, Call RTC)

PNS10-DFS-AC11P	11" A/C "Stand Alone" Driver Feedback Sign to run a School Zone Flasher System (add Time Switch, Communication Plan/Gateway and Guardian Board, Lights and Poles as needed)	$	2,977.00
PNS10-DFS-DC11P	11" D/C "Stand Alone" Driver Feedback Sign includes (2) 22 Ah Batteries and 50 Watt Solar Panel (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$	3,266.00
PNS10-S1R2-1-RDR12-Y3	SIGN "YOUR SPEED" YELLOW DECAL	$	-
PNS10-S1R2-1-RDR12-W3	SIGN "YOUR SPEED" WHITE DECAL	$	-
PNS10-S1R2-1-RDR12-G3	SIGN "YOUR SPEED" GREEN DECAL	$	-
PNS10-DFS-AC11	11" A/C Driver Feedback Sign to tie into existing A/C Cabinet (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$	2,534.00
PNS10-DFS-DC11	11" D/C Driver Feedback Sign to tie into existing D/C Power (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$	2,471.00
PNS10-S1R2-1-RDR12-Y	SIGN "YOUR SPEED" YELLOW DECAL	$	-
PNS10-S1R2-1-RDR12-W	SIGN "YOUR SPEED" WHITE DECAL	$	-
PNS10-S1R2-1-RDR12-G	SIGN "YOUR SPEED" GREEN DECAL	$	-
PNS10-DFS-AC12P	12" A/C "Stand Alone" Driver Feedback Sign (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$	3,111.00
PNS10-DFS-DC12P	12" D/C "Stand Alone" Driver Feedback Sign includes (2) 22 Ah Batteries and 50 Watt Solar Panel (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$	3,398.00
PNS10-S1R2-1-RDR12-Y3	SIGN "YOUR SPEED" YELLOW DECAL	$	-
PNS10-S1R2-1-RDR12-W3	SIGN "YOUR SPEED" WHITE DECAL	$	-
PNS10-S1R2-1-RDR12-G3	SIGN "YOUR SPEED" GREEN DECAL	$	-
PNS10-DFS-AC12	12" A/C Driver Feedback Sign to tie into existing AC Cabinet (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$	2,686.00
PNS10-DFS-DC12	12" D/C Driver Feedback Sign to tie into existing D/C Power (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$	2,629.00
PNS10-S1R2-1-RDR12-Y3	SIGN "YOUR SPEED" YELLOW DECAL	$	-
PNS10-S1R2-1-RDR12-W3	SIGN "YOUR SPEED" WHITE DECAL	$	-
PNS10-S1R2-1-RDR12-G3	SIGN "YOUR SPEED" GREEN DECAL	$	-
PNS10-DFS-AC15P	15" A/C "Stand Alone" Driver Feedback Sign (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$	3,266.00
PNS10-DFS-DC15P	15" D/C "Stand Alone" Driver Feedback Sign includes (2) 22 Ah Batteries and 50 Watt Solar Panel (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$	3,533.00
PNS10-S1R2-1-RDR15-Y	SIGN "YOUR SPEED" YELLOW DECAL	$	-
PNS10-S1R2-1-RDR15-W	SIGN "YOUR SPEED" WHITE DECAL	$	-
PNS10-S1R2-1-RDR15-G	SIGN "YOUR SPEED" GREEN DECAL	$	-
PNS10-DFS-AC15	15" A/C Driver Feedback Sign to tie into an existing AC Cabinet (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$	3,011.00
PNS10-DFS-DC15	15" D/C Driver Feedback Sign to tie into existing D/C Power (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$	2,947.00
PNS10-S1R2-1-RDR15-YS	SIGN "YOUR SPEED" YELLOW DECAL	$	-
PNS10-S1R2-1-RDR15-WS	SIGN "YOUR SPEED" WHITE DECAL	$	-
PNS10-S1R2-1-RDR15-GS	SIGN "YOUR SPEED" GREEN DECAL	$	-
PNS10-DFS-AC18P	18" A/C "Stand Alone" Driver Feedback Sign (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$	3,832.00
PNS10-DFS-DC18P	18" D/C "Stand Alone" Driver Feedback Sign includes (2) 22 Ah Batteries and 50 Watt Solar Panel (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$	4,100.00
PNS10-S1R2-1-RDR18-Y	SIGN "YOUR SPEED" YELLOW DECAL	$	-
PNS10-S1R2-1-RDR18-W	SIGN "YOUR SPEED" WHITE DECAL	$	-
PNS10-S1R2-1-RDR18-G	SIGN "YOUR SPEED" GREEN DECAL	$	-
PNS10-DFS-AC18	18" A/C Driver Feedback Sign to tie into existing AC Cabinet (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$	3,497.00

PNS10-DFS-DC18	18" D/C Driver Feedback Sign to tie into existing D/C Power (add Time Switch, Communication Plan/Gateway and Guardian Board as needed)	$	3,432.00
PNS10-S1R2-1-RDR18-YS	SIGN "YOUR SPEED" YELLOW DECAL	$	-
PNS10-S1R2-1-RDR18-WS	SIGN "YOUR SPEED" WHITE DECAL	$	-
PNS10-S1R2-1-RDR18-GS	SIGN "YOUR SPEED" GREEN DECAL	$	-
PNS10-503644B	Add AP22 Time Switch to any Driver Feedback sign	$	494.00
PNS10-DFS-ELS1S5-MPH	Driver Feedback Accomodating (Cutout with Plexiglass) S5-1 Speed Limit Edge Light Sign Designte MPH (High Vis Florescent Green 30"x48") (includes Mounting Bracket)	$	1,492.00
PNS10-DFS-ELS1S5-MPHK	11" DC Driver Feedback Sign for an existing DC Power source With (Cutout with Plexiglass) S5-1 Speed Limit Edge Light Sign Designte MPH (High Vis Florescent Green 30"x48") (includes Mounting Bracket)	$	4,501.00
PNS10-DFS- WARR	Add One year warranty to any Driver Feedback Sign (up to three additional years)	$	65.00
PNS10-507413	Add Gateway Board (Communication Capability) if you are adding any of the plans below!!!	$	61.00
PNS10-M2M5YR-4AK	Add Five Year Communicaion Plan With Modem, RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage, Cell Service, Cable, Mount and Antenna	$	1,300.00
PNS10-M2M3YR-4AK	Add Three Year Communicaion Plan With Modem, RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage, Cell Service, Cable, Mount and Antenna	$	1,100.00
PNS10-M2M1YR-4AK	Add One Year Communicaion Plan With Modem, RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage, Cell Service, Cable, Mount and Antenna	$	900.00
PNS10-507403DC	Add D/C Guardian Board (adds Guardian Board in place of the FCBD Board)	$	235.00
PNS10-ADD22AH	Add 2 more 22Ah Gel cell Batteries	$	220.00
	RTC Edgelight© Signs		
PNS10-S1ELASSY	This line adds a Cabinet (Including Configurable Dimming and Configurable Flash Patterns), 50W Solar Panel, 22Ah Battery to ANY Edgelight© sign. Note: with one battery cabinet you can add an AP22 Time Switch, Guardian© and M2M communication to any sign from School Flasher Section. Pole Assembly also not included.	$	985.00
PNS10-ELAC	A/C Circuit Board to make any Edgleight sign A/C	$	134.00
	Edge Light School Zone Signs (Sign Only to add to regular or existing battery cabinet installation) Ubolt Mounting Hdwre included, Banding available on request		
PNS10-S1ELS5-1-15	S5-1 Speed Limit Edge Light Sign 15MPH (High Vis Florescent Green 24"x48")	$	1,222.00
	If not 15 MPH, What Speed do you want on the sign?		MPH?
PNS10-S1S1-1-30GK	S1-1 Edge Light School Pedestrian Sign Left WITHOUT Lines (Green) (30"x30")	$	1,128.00
PNS10-S1ELS1-1-RGK30K	S1-1 Edge Light School Pedestrian Sign Right WITHOUT Lines (Green) (30"x30")	$	1,162.00
PNS10-S1ELS1-1-LGK	S1-1 Edge Light School Pedestrian Sign Left WITHOUT Lines (Green) (36"x36")	$	1,162.00
PNS10-S1ELS1-1-RGK	S1-1 Edge Light School Pedestrian Sign Right WITHOUT Lines (Green) (36"x36")	$	1,162.00
PNS10-S1ELS2-1-LGK	S1-1 Edge Light School Pedestrian Sign Left WITH Lines (Green) (36"x36")	$	1,162.00
PNS10-S1ELS2-1-RGK	S1-1 Edge Light School Pedestrian Sign Right WITH Lines (Green) (36"x36")	$	1,162.00
PNS10-S1ELW16-7P24-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (Green) (24"x12")	$	1,080.00
PNS10-S1ELW16-7P24-RGK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (Green) (24"x12")	$	1,080.00
PNS10-S1ELW16-7P-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (Green) (30"x18")	$	1,070.00
PNS10-S1ELW16-7PR-GK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (Green) (30"x18")	$	1,070.00
PNS10-S1ELW16-9P-GK	W16-9P Edge Light "Ahead" Sign (Green) (30"x18")	$	1,070.00
PNS10-S1ELS7-1TK	Edge Light Cell Phone Prohibited Sign White (24"x18")	$	1,053.00
	Edge Light Stop Signs (Edge Light Sign Only to add to regular or existing battery cabinet installation) Ubolt Mounting Hdwre included, Banding available on request		
PNS10-ELR1-1-30K	R1-1 Stop Edge Light Sign (30"x30", 8 LED's)	$	1,057.00
PNS10-ELR1-1-36K	R1-1 Stop Edge Light Sign (36"x36", 8 LED's)	$	1,078.00
PNS10-ELR1-1-48K	R1-1 Stop Edge Light Sign (48"x48", 8 LED's)	$	1,351.00

	Edge Light Pedestrian Crossing Signs (Edge Light Sign Only to add to regular or existing battery cabinet installation)		
PNS10-ELW11-2-36K	W11-2 Edge Light Pedestrian Sign Walking Left HV Green, No Lines (36"x36")	$	1,117.00
PNS10-ELW11-2R-36K	W11-2 Edge Light Pedestrian Sign Walking Right HV Green, No Lines (36"x36")	$	1,117.00
PNS10-ELW11-2K	W11-2 Edge Light Pedestrian Sign Walking Left HV Green, No Lines (30"x30")	$	1,083.00
PNS10-ELW11-2RK	W11-2 Edge Light Pedestrian Sign Walking Right HV Green, No Lines (30"x30")	$	1,083.00
PNS10-S1ELW16-7P24-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (Green) (24"x12")	$	1,080.00
PNS10-S1ELW16-7P24-RGK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (Green) (24"x12")	$	1,080.00
PNS10-S1ELW16-7P-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (Green) (30"x18")	$	1,070.00
PNS10-S1ELW16-7PR-GK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (Green) (30"x18")	$	1,070.00
PNS10-S1ELW16-9P-GK	W16-9P Edge Light "Ahead" Sign (Green) (30"x18")	$	1,070.00
	Edge Light Other Signs (Specify MUTCD Sign or ANY Other Sign)		
PNS10-	Describe ANY Sign on RTC Detail Tab (Include MUTCD Code if known and Size)	$	1,105.00
PNS10-	0	$	1,105.00
PNS10-	0	$	1,105.00
		$	-
	RTC Fire Station Warning Systems		
	Includes Cabinet, Push to Activate Sign, Fire Station Text and Truck Icon Sign, 50W Solar Panel and 53 Ah Battery for Solar Options		
	Add Poles, Pole Anchors, Signal Heads, Other Signs, LED's or RRFB's if Required		
	If you want to mount Cabinet to the shaft of a Signal Pole Check Yes		
	Activation Cabinet Options		
PNS10-600001A	Fire Station Warning System Facility and Remote Activated (for use with Handheld Device, Not Included)	$	3,403.00
PNS10-600001E	Opticom© Activated Transmission and Opticom© Receiving (Does not include GTT Opticom phase selector or detector or cable)	$	2,885.00
PNS10-600001RT	Radio Activated Transmission and Opticom© Receiving (Does not include GTT Opticom phase selector or detector or cable) Includes upgrade to 40 W Solar Panel	$	4,115.00
	Receiving Cabinet Options		
PNS10-600002R	DC Fire Station Receiving Cabinet From Facility or Remote (30 Watt Solar Panel and 53 AH Battery)	$	3,094.00
PNS10-600007R	AC Fire Station Receiving Cabinet From Facility or Remote (Part # 502507RR)	$	2,256.00
PNS10-502417A	Handheld Device - Remote Control (up to 1/2 Mile)	$	476.00
	Poles, Bases, Collars and Anchors		
PNS10-POLE15SPALASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts	$	909.00
PNS10-POLE15BLKASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts Powdercoated Black	$	971.00
	If you want to use a Screw-In Anchor instead of Anchor Bolts select an Anchor		
PNS10-		$	70.00
PNS10-501312SA4	4" Anchor Pelco PB-5364	$	623.00
PNS10-501312SA8	8" Anchor Pelco PB-5375	$	1,266.00
	12" Signals (Includes Visor, closure kit and Ubolt mounting hdwre)		
PNS10-SIGPY	12" Signal Heads Poly Yellow (1, 2 or 3 per flasher)	$	222.00
PNS10-SIGPB	12" Signal Heads Poly Black (1,2 or 3 per flasher)	$	222.00
PNS10-SIGAY	12" Signal Heads Aluminum Yellow (1, 2 or 3 per Flasher)	$	250.00
PNS10-SIGAB	12" Signal Heads Aluminum Black (1, 2 or 3 per flasher)	$	250.00
	If you want to use a Side by Side Mounting instead of Top and Bottom Check Yes		
PNS10-			
	12" LED's		
PNS10-502463	12" Amber DC 5 Watt LED IL (RTC Standard) (1, 2 or 3 per flasher)	$	68.00
PNS10-502463YAC	12" Amber AC LED IL (1, 2 or 3 per flasher)	$	68.00

	Change Solar and Battery Sizing		
PNS10-SUB100W	Substitute 100 Watt for 50 Watt Solar Panel	$	352.00
PNS10-SUB104A	Substitute 104Ah for 53Ah Battery	$	179.00

RTC Pedestrian Crossing Systems

Includes Cabinet, "Push to Activate" Sign, 50 Watt Solar Panel and 53 Ah Battery for Solar Stations

Add Poles, Pole Anchors, Signal Heads, LED's or RRFB's or Other Signs if Required

If you want to mount Cabinet to the shaft of a Signal Pole Check Yes

PNS10-600008INX	DC Pedestrian Crossing W/ Polara iNX APS Bluetooth Pushbutton	$	2,861.00
PNS10-600008M	DC Pedestrian Crossing Master W/ Bulldog Pushbutton (1 -2 Remotes)	$	2,800.00
PNS10-600008MA	DC Pedestrian Crossing Master W/ Bulldog Pushbutton (3 -6 Remotes)	$	3,082.00
PNS10-600008R	DC Pedestrian Crossing Remote W/ Bulldog Pushbutton	$	2,757.00
PNS10-600008UPGRD	DC Upgrde Kit from Bulldog to iDetect INX Polara APS Pushbutton (Includes One Panel and One Button)	$	1,450.00
PNS10-FlashCube-M	DC Flash Cube ™ Pedestrian Crossing Master W/ Bulldog Pushbutton (Includes One Flashing beacon)	$	1,888.00
PNS10-FlashCube-R	DC Flash Cube ™ Pedestrian Crossing Remote W/ Bulldog Pushbutton (Includes one flashing Beacon)	$	1,717.00
PNS10-600005M	AC Pedestrian Crossing Master W/ Bulldog Pushbutton (1-2 Remotes)	$	2,061.00
PNS10-600005MA	AC Pedestrian Crossing Master W/ Bulldog Pushbutton (3 or more remotes)	$	2,256.00
PNS10-600005ID	AC Pedestrian Crossing with Polara iDetect APS Pushbutton	$	1,924.00
PNS10-600005INX	AC Pedestrian Crossing with Polara iNX APS Pushbutton (Works as Master or Remote)	$	2,100.00
PNS10-600004R	AC Pedestrian Crossing Remote W/ Bulldog Pushbutton	$	2,022.00
PNS10-600005CONDUIT	AC Pedestrian Crossing Remote When Hardwired to Master W/ Bulldog Pushbutton but No Radio	$	1,695.00
PNS10-600005UPGRD	AC Upgrde Kit from Bulldog to iDetect or INX Polara APS Pushbutton (Includes One Panel and Two Buttons) for AC connection via Conduit across Street	$	2,116.00
PNS10-600005UPGRD2	AC Upgrde Kit from Bulldog to iDetect or INX Polara APS Pushbutton (Includes Two Panels and Two Buttons) for replacing exissting RADIO Communication across Street	$	2,509.00
PNS10-507403DC	Add D/C Guardian Board (adds Guardian Board in place of the FCBD Board)	$	235.00
PNS10-50643062	Gateway Radio for Ped Crossing	$	606.00
PNS10-506430N2	Node Radio for Ped Crossing	$	606.00
PNS10-Cube2	Add a Second Yellow LED, Signal, Visor and Mount to FlashCube	$	416.00
PNS10-Cube3	Add a Third Confirmation Yellow LED, Signal, Visor and Mount	$	416.00
PNS10-505500	Flood Lamp Kit for Ped Crossings (Includes Mounting)	$	442.00
PNS10-507418K	Flir Camera Passive detection for Ped Crossings (Incl Mounting)	$	2,977.00
PNS10-TBD	Angle Mounting Bracket for RRFB 9 (Mounts two RRFB's back to back)	$	160.00
	Change Solar and Battery Sizing		
PNS10-SUB100W	Substitute 100 Watt for 50 Watt Solar Panel	$	315.00
PNS10-SUB104A	Substitute 104Ah for 53Ah Battery	$	179.00
PNS10-503499ASSY	Remove Bulldog Pushbutton from Assembly	$	(238.00)
PNS10-503499INXK	Add a Second iNX APS Pushbutton	$	621.00
PNS10-503499ASSY	Add a Second Bulldog Pushbutton	$	238.00
PNS10-503499S	Polara 9X12 Push to Activate Sign	$	38.00
PNS10-501252	18AWG 2Cond Wire for Bulldog pushbutton install per foot	$	0.60
PNS10-502232	18AWG 7 Cond Wire for INX pushbutton install per foot	$	1.47
PNS10-502232-14	IMSA 6 Cond Wire for INX pushbutton (for Conduit Not Radio) install per foot	$	1.78
PNS10-APS MSG	Special Message Fee	$	40.00
	Signs for Ped Crossings (Includes U-Bolt Mounting)		
PNS10-S1W11-2-G-36K	W11-2 Pedestrian Sign Walking Left HV Green No Lines (36"x36")	$	350.00
PNS10-S1W11-2R-G-36K	W11-2 Pedestrian Sign Walking Right HV Green No Lines (36"x36")	$	350.00

PNS10-S1W11-2K	W11-2 Pedestrian Sign Walking Left HV Green No Lines (30"x30")	$	238.00
PNS10-S1W11-2RK	W11-2 Pedestrian Sign Walking Right HV Green No Lines (30"x30")	$	238.00
PNS10-S1W11-2-24GK	W11-2 Pedestrian Sign Walking Left HV Green No Lines (24"x24")	$	161.00
PNS10-500357AT	Bolt Kit for Back to Back Edge Light Signs or Back to Back RRFB's	$	29.00
PNS10-S1S2-1-LGK	S2-1 School Pedestrian Sign Left WITH Lines (36"x36") HV Green	$	348.00
PNS10-S1S2-1-RGK	S2-1 School Pedestrian Sign Right WITH Lines (36"x36") HV Green	$	348.00
PNS10-S1W16-7P24-GK	W16-7P Arrow Pointing Left to Crossing Sign (24"x12") HV Green	$	113.00
PNS10-S1W16-7P24-RGK	W16-7P Arrow Pointing Right to Crossing Sign (24"x12") HV Green	$	113.00
PNS10-S1W16-9P-GK	W16-9P "Ahead" Sign (30"x18") HV Green	$	163.00
	Edge Light Pedestrian Crossing Signs (Edge Light Sign Only to add to existing battery cabinet installation)		
PNS10-ELW11-2K	W11-2 Edge Light Pedestrian Sign Walking Left HV Green, No Lines (30"x30")	$	1,083.00
PNS10-ELW11-2RK	W11-2 Edge Light Pedestrian Sign Walking Right HV Green, No Lines (30"x30")	$	1,083.00
PNS10-ELW11-2-36K	W11-2 Edge Light Pedestrian Sign Walking Left HV Green, No Lines (36"x36")	$	1,117.00
PNS10-ELW11-2R-36K	W11-2 Edge Light Pedestrian Sign Walking Right HV Green, No Lines (36"x36")	$	1,117.00
PNS10-S1ELW16-7P24-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (Green) (24"x12")	$	1,080.00
PNS10-S1ELW16-7P24-RGK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (Green) (24"x12")	$	1,080.00
PNS10-S1ELW16-7P-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (Green) (30"x18")	$	1,070.00
PNS10-S1ELW16-7PR-GK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (Green) (30"x18")	$	1,070.00
PNS10-S1ELW16-9P-GK	W16-9P Edge Light "Ahead" Sign (Green) (30"x18")	$	1,070.00
PNS10-S1ELASSY	This line adds a Cabinet (Including Configurable Dimming and Configurable Flash Patterns), 50W Solar Panel, 22Ah Battery to ANY Edgelight© sign. Note: with one battery cabinet you can add an AP22 Time Switch, Guardian© and M2M communication to any sign from School Flasher Section. Pole Assembly also not included.	$	985.00
	RRFB's in Black Aluminum (Ubolt Mounting Hdwre, Banding Available on request)		
PNS10-503661D	Single Solar RRFB (No Confirmation Light) (Ubolt Mount)	$	697.00
PNS10-503661DB	Single Solar RRFB (No Confirmation Light) (Banding Mount)	$	697.00
PNS10-503661D2	Back to Back Solar RRFBs (No Confirmation Light) (3 Ubolt Mount)	$	1,450.00
PNS10-503661DC	Single Solar RRFB W/ Confirmation Light (Ubolt Mount)	$	788.00
PNS10-503661DCB	Single Solar RRFB W/ Confirmation Light (Banding Mount)	$	788.00
PNS10-503661DCC	Single Solar RRFB W/ Two Confirmation Lights (Ubolt Mount)	$	876.00
PNS10-503661DCCB	Single Solar RRFB W/ Two Confirmation Lights (Banding Mount)	$	876.00
PNS10-503661DC2	Back to Back Solar RRFBs W/ One Confirmation Light (Ubolt Mount)	$	1,531.00
PNS10-503661DC2B	Back to Back Solar RRFBs W/ One Confirmation Light (Banding Mount)	$	1,531.00
PNS10-503661DC3	Back to Back Solar RRFBs W/ Two Confirmation Lights (Ubolt Mount)	$	1,622.00
PNS10-503661DCC2	Back to Back Solar RRFBs W/ Four Confirmation Lights (UBolt Mount)	$	1,804.00
PNS10-503661A	Single AC RRFB (No Confirmation Light) (Ubolt Mount)	$	811.00
PNS10-503661AB	Single AC RRFB (No Confirmation Light) (Banding Mount)	$	811.00
PNS10-503661A2	Back to Back AC RRFBs (No Confirmation Light) (Ubolt Mount)	$	1,668.00
PNS10-503661AC	Single AC RRFB W/ Confirmation Light (Ubolt Mount)	$	894.00
PNS10-503661ACB	Single AC RRFB W/ Confirmation Light (Banding Mount)	$	894.00
PNS10-503661ACC	Single AC RRFB W/ two Confirmation Light (Ubolt Mount)	$	987.00
PNS10-503661ACCB	Single AC RRFB W/ two Confirmation Light (Banding Mount)	$	987.00
PNS10-503661AC2	Back to Back AC RRFBs W/ One Confirmation Light (Ubolt Mount)	$	1,752.00
PNS10-503661AC2B	Back to Back AC RRFBs W/ One Confirmation Light (Banding Mount)	$	1,752.00
	RRFB's in YELLOW Aluminum (Ubolt Mounting Hdwre, Banding Available on request)		
PNS10-503662D	Single Solar RRFB (No Confirmation Light) (Ubolt Mount)	$	697.00
PNS10-503662DB	Single Solar RRFB (No Confirmation Light) (Banding Mount)	$	697.00
PNS10-503662D2	Back to Back Solar RRFBs (No Confirmation Light) (3 Ubolt Mount)	$	1,450.00
PNS10-503662DC	Single Solar RRFB W/ Confirmation Light (Ubolt Mount)	$	788.00
PNS10-503662DCB	Single Solar RRFB W/ Confirmation Light (Banding Mount)	$	788.00
PNS10-503662DCC	Single Solar RRFB W/ Two Confirmation Lights (Ubolt Mount)	$	876.00
PNS10-503662DCCB	Single Solar RRFB W/ Two Confirmation Lights (Banding Mount)	$	876.00

PNS10-503662DC2	Back to Back Solar RRFBs W/ One Confirmation Light (Ubolt Mount)	$	1,531.00
PNS10-503662DC2B	Back to Back Solar RRFBs W/ One Confirmation Light (Banding Mount)	$	1,531.00
PNS10-503662DC3	Back to Back Solar RRFBs W/ Two Confirmation Lights (Ubolt Mount)	$	1,622.00
PNS10-503662DCC2	Back to Back Solar RRFBs W/ Four Confirmation Lights (UBolt Mount)	$	1,804.00
PNS10-503662A	Single AC RRFB (No Confirmation Light) (Ubolt Mount)	$	811.00
PNS10-503662AB	Single AC RRFB (No Confirmation Light) (Banding Mount)	$	811.00
PNS10-503662A2	Back to Back AC RRFBs (No Confirmation Light) (Ubolt Mount)	$	1,668.00
PNS10-503662AC	Single AC RRFB W/ Confirmation Light (Ubolt Mount)	$	894.00
PNS10-503662ACB	Single AC RRFB W/ Confirmation Light (Banding Mount)	$	894.00
PNS10-503662ACC	Single AC RRFB W/ two Confirmation Light (Ubolt Mount)	$	987.00
PNS10-503662ACCB	Single AC RRFB W/ two Confirmation Light (Banding Mount)	$	987.00
PNS10-503662ACCK	Back to Back AC RRFBs WW+S Flash Pattern W/ One Confirmation Light (Ubolt Mount)	$	2,032.00
PNS10-503662AC2	Back to Back AC RRFBs W/ One Confirmation Light (Ubolt Mount)	$	1,752.00
PNS10-503662AC2B	Back to Back AC RRFBs W/ One Confirmation Light (Banding Mount)	$	1,752.00
	Change the Solar Panel or Battery		
PNS10-SUB100W	Substitute 100 Watt for 50 Watt Solar Panel	$	352.00
PNS10-SUB104A	Substitute 104Ah for 53Ah Battery	$	179.00
	Pole Assemblies (includes Base, Collar, Anchor Bolts and Grounding Lug)		
PNS10-POLE15SPALASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts	$	909.00
PNS10-POLE15BLKASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts Powdercoated Black	$	971.00
PNS10-	**If you want to use a Screw-In Anchor instead of Anchor Bolts select an Anchor**	$	70.00
PNS10-501312SA4	4" Anchor Pelco PB-5364	$	623.00
PNS10-501312SA8	8" Anchor Pelco PB-5375	$	1,266.00
	12" Signals (Includes Visor, closure kit and Ubolt mounting hdwre)		
PNS10-SIGPY	12" Signal Heads Poly Yellow (1, 2 or 3 per flasher)	$	222.00
PNS10-SIGPB	12" Signal Heads Poly Black (1,2 or 3 per flasher)	$	222.00
PNS10-SIGAY	12" Signal Heads Aluminum Yellow (1, 2 or 3 per Flasher)	$	250.00
PNS10-SIGAB	12" Signal Heads Aluminum Black (1, 2 or 3 per flasher)	$	250.00
	If you want to use a Side by Side Mounting instead of Top and Bottom Check Yes		
	12" LED's		
PNS10-502463	12" Amber DC 5 Watt LED IL (RTC Standard) (1, 2 or 3 per flasher)	$	68.00
PNS10-502463YAC	12" Amber AC LED IL (1, 2 or 3 per flasher)	$	68.00

RTC Ala Carte Section

	Time Switches Ala Carte		
PNS10-503644B	AP22 Time Switch W/O Harness	$	494.00
PNS10-AP22H	AP22 Harness 48"	$	42.00
PNS10-504567	Program Transfer Cable PC to AP22/CPR/TR4	$	83.00
PNS10-500637	Program Transfer Cable Kit PC to AP22/CPR/TR4	$	88.00
PNS10-504558	AP22 Transfer Cable (Clock to Clock)	$	46.00
PNS10-AP22UP	AP22 Time Clock Upgrade and Warranty	$	163.00
PNS10-501614B	AP21 Time Switch W/O Harness	$	390.00
PNS10-503518	AP21 & CPR2102 Harness 48"	$	43.00
PNS10-500512	Program Transfer Cable PC to AP21 or AP21 to AP21	$	10.00
PNS10-500635D	Program Transfer Cable KIT PC to AP21 or AP21 to AP21	$	96.00
PNS10-500482	DB9 to RJ45 Adapter Cable	$	61.00
PNS10-500625	AP21TR AC Time Switch (No Keypad or Display)	$	202.00
PNS10-500634	AP21TR DC Time Switch (No Keypad or Display)	$	202.00

PNS10-500455	Base Relay for DCF 2 circuit Flasher and AP21TR	$	9.00
PNS10-505426	Adapter USB to DB9	$	59.00
PNS10-500517	Power Cord for all Time Switches	$	56.00
PNS10-507409	Memory Capacitor (was 501808)	$	10.00
PNS10-501532C	GPS Receiver W/ Harness	$	278.00
PNS10-506445CPWM-3	CPR 2102 Time Clock Upgrade and Warranty	$	166.00
PNS10-503525A	CPR 2102 Pager Antenna w/ 30' Lead	$	100.00
PNS10-501628	ADD a CPR 2102 TXDOT/ELTEC Replacement Wiring Harness	$	49.00
PNS10-503518	ADD a CPR 2102 Replacement Wiring Harness	$	49.00
	Communication Options: **R1 and R2 Radio and Antenna Options**		
PNS10-505472-11dB	11dB Omni Antenna with Mounting Bracket	$	592.00
PNS10-503525Y	10dB Yagi Antenna W/ Mounting Bracket, 25' Lead	$	296.00
PNS10-505472-5	5dB OMNI Antenna W/O Mounting Bracket, No Lead	$	230.00
PNS10-503525BE	3dB OMNI Antenna W/O Mounting Bracket, 30' Lead	$	111.00
PNS10-502356	Mounting Bracket for all Yagi Antennas	$	127.00
PNS10-505472-5B	Mounting Bracket For 5dB Omni Antenna on 1.5" pole (for 505472-5)	$	49.00
PNS10-500335E	Mounting Bracket For 5dB Omni, CPR Pager 3dB Omni Antennas on Solar Panel	$	40.00
PNS10-503349K	Banding Mount for Radio Antenna in AC Cabinet	$	226.00
PNS10-505472L-25	25' 240 Series Antenna Lead Only (No Lightning Suppressor)	$	40.00
PNS10-505472L-50	50' 240 Series Antenna Lead With Suppressor	$	261.00
PNS10-505472L-100	100' 400 Series Antenna Lead With Suppressor	$	328.00
PNS10-505472L-100BE	100' 400 Series Antenna Lead With Suppressor (for 503525BE, Fire Station WS)	$	352.00
PNS10-505472L-150	150' 400 Series Antenna Lead With Suppressor	$	420.00
PNS10-505433	Lightning Suppressor for Antenna Lead	$	65.00
PNS10-505476-2	ESR 902 Serial Port Server (No Cables)	$	1,056.00
PNS10-505476C	6 Foot Serial Cable from Radio to Switch	$	27.00
PNS10-505476EC	7 Foot Cat 5 Cable from LAN to Switch	$	16.00
PNS10-501257	2 Conductor Cable for RRFB Pigtail (Per Foot) (A/C Only)	$	1.00
	Solar and AC Cabinet Back Panels and Components		
PNS10-Eng	Specialty Panel Engineering Adder Per Hour	$	151.00
PNS10-503333UB	One Battery Cabinet Cabinet Only + Ubolt Mount	$	698.00
PNS10-503333FB	One Battery Cabinet - Cabinet Only + Flared Pole Mount	$	640.00
PNS10-503333HB	One Battery Cabinet - Cabinet Only + Hinge Bracket Mount	$	742.00
PNS10-502598SW	One Battery Cabinet - Panel Only	$	476.00
PNS10-502598SWG	One Battery Cabinet - Panel Only W/ Guardian	$	628.00
PNS10-503568	Two Battery Cabinet - Cabinet Only - Ubolt mount	$	1,013.00
PNS10-503576	Two Battery Cabinet - Cabinet Only - Flare Bracket mount	$	923.00
PNS10-503568-3PT	Houston Two Battery Cabinet - + 3PT Lock W/ Ubolt Mount	$	1,058.00
PNS10-501302K	Two Battery Cabinet - #2 Lock w/ Extended Shelf	$	905.00
PNS10-501302E	Extended Shelf for 501302 Two Battery Cabinet	$	147.00
PNS10-501302-3PT	Houston Two Battery Cabinet with Three Point lock (No Mounting Bracket)	$	879.00
PNS10-502598	Houston Two Battery Cabinet - Panel Only Add 50489-15 Regulator, and 500540 Flasher	$	421.00
PNS10-SFGP3LED	Grand Prairie Two Battery Cabinet (Complete with Radio and CPR 2102 Time Switch, Pole, base, anchor bolts, signals and LED's)	$	6,118.00
PNS10-502509TDI	A/C Panel for use with Polara INX Pushbutton	$	542.00
PNS10-501506A	D/C Panel for use with Polara INX Pushbutton	$	625.00
PNS10-501506	D/C Panel for use with Master RRFB W/ Polara Bulldog Pushbutton	$	1,119.00
PNS10-501505R	D/C Panel for use with Remote RRFB W/ Polara Bulldog Pushbutton	$	1,063.00
PNS10-502598GP	Grand Prairie Two Battery Cabinet Panel Only (Add 20A SS Regulator & DCF2)	$	303.00
PNS10-500341CCN-WK	Clark County AC School Cabinet and Panel Powder Coated White 20x12x11	$	1,388.00
PNS10-500341CCNK	Clark County AC School Cabinet and Panel	$	1,018.00
PNS10-500341CCNP-WK	Clark County AC RRFB Cabinet and Panel Powder Coated White 20x12x11	$	1,634.00

PNS10-500341CCN+PK	Clark County AC LED Pedestrian Crossing Cabinet, Powder Coated White and Panel w/ Nema Flasher (No Ped ISO) 20x12x11	$	1,284.00
PNS10-502598LCB	Panel Only for Two Battery Cabinet With Regulator	$	471.00
PNS10-502564	AC Cabinet - Cabinet Only + Ubolts	$	560.00
PNS10-502565K	AC Cabinet - Cabinet Only + Flared Pole Mount	$	733.00
PNS10-502565HAC	AC Cabinet - Cabinet Only + Hinge Bracket Mount	$	733.00
PNS10-502505	A/C Panel (NEMA Flasher Only, No Flash Transfer Relay)	$	263.00
PNS10-502507R	A/C Panel for Red Flasher w/ Conduit	$	575.00
PNS10-500533	NEMA Flasher	$	48.00
PNS10-502505P	Pelco Cabinet Replacement Panel (does not include AP22, M2M or Guard)	$	363.00
PNS10-500357	Mounting Bracket 4.5" Ubolt	$	75.00
PNS10-500357B	Mounting Bracket 4.5" Ubolt Powder Coated	$	61.00
PNS10-502364-4	Mounting Bracket - Flared for Signal Poles (AC cabinet needs one, DC cabinets need 2 each)	$	25.00
PNS10-502364HB	Mounting Bracket 4.5" Hinged Bracket (DC Cabinets)	$	172.00
PNS10-502364HBA	Mounting Bracket 4.5" Hinged Bracket (AC Cabinets)	$	195.00
PNS10-502598BP	DC Panel Assy (Quick Replacement/Small Footprint)	$	408.00
PNS10-502598GP	DC Panel Assy (Grand Prairie Spec)	$	393.00
PNS10-500540	DCF 2 circuit Flasher	$	173.00
PNS10-502598FCBD	Circuit Board Flasher Interface W/ Automotive Fuses and Dimming)	$	181.00
PNS10-500489-15	15 Amp Regulator PROSTAR LCD Screen (up to 250 Watt System)	$	298.00
PNS10-504459SS20	20 Amp Sun Saver Regulator Without LCD Display (up to 320 Watt System)	$	254.00
PNS10-501359	# 2 Key for Lock	$	4.00
PNS10-500380	# 2 Lock (includes 1 key)	$	34.00
PNS10-500316	# 1 (Police) Key for Lock	$	4.00
PNS10-500315	# 1 (Police) Lock (includes 1 key)	$	22.00
	Solar Panels (Wiring Kit and Mounting Brackets NOT Included)		
PNS10-502400-20	20 Watt Solar Panel ONLY	$	179.00
PNS10-502400-30	30 Watt Solar Panel ONLY	$	217.00
PNS10-502400-50	50 Watt Solar Panel ONLY	$	185.00
PNS10-502400-65	65 Watt Solar Panel ONLY	$	338.00
PNS10-502400-85	85 Watt Solar Panel ONLY	$	395.00
PNS10-502400-100	100 Watt Solar Panel ONLY	$	364.00
PNS10-502400-130	130 Watt Solar Panel ONLY	$	571.00
PNS10-502400-150	150 Watt Solar Panel ONLY	$	701.00
PNS10-502400-M	Banding Mounting Bracket 20-50 W for Most Pole Sizes (Includes Bolt Kit)	$	160.00
PNS10-503371U	Gimble Mount for 2" Square Pole for 20-50 W	$	293.00
PNS10-503371PK	Small Top of 4.5" Pole Mount Kit for 20-50 W	$	254.00
PNS10-503371A	Large Top of 4.5"Pole Gimble Mounting Bracket 65-100 W (Includes Bolt Kit)	$	332.00
PNS10-503368	Extra Large Gimble Mount for 4.5" Pole for 110-130 W	$	286.00
PNS10-503364B	Side of Pole Riser Mount 5'	$	502.00
	Poles & Anchors Ala Carte		
PNS10-501307	15' Spun Aluminum Pole (Pole Only)	$	478.00
PNS10-501310	Pole Base SPTX-1014	$	237.00
PNS10-501311	Pole Collar PB-5325	$	101.00
PNS10-501310GL	Grounding Lug PB-5378-BRS	$	22.00
PNS10-501312	Anchor Bolts Pelco 5306-GLV	$	70.00
PNS10-501312GR	Grounding Rod with Clamp and Wire	$	62.00
PNS10-501309M	Pole Cap PB-5402	$	20.00
PNS10-501307U-10	Telspar 2"x2" 14 Ga. Galvanized Post w/ 7/16" Holes 10 Feet	$	196.00
PNS10-501307U-12	Telspar 2"x2" 14 Ga. Galvanized Post w/ 7/16" Holes 12 Feet	$	228.00
PNS10-501307U-14	Telspar 2"x2" 14 Ga. Galvanized Post w/ 7/16" Holes 14 Feet	$	257.00
PNS10-501312U	Telspar 2.25"x2.25" 14 Ga. Galvanized Post receiver w/ 7/16" Holes 3 Feet	$	74.00

	Signal LED and Wiring Ala Carte		
PNS10-503365T	Banding for Side of Pole Signal Heads (One Bracket Only)	$	60.00
PNS10-502463	12" Amber DC 8 Watt LED IL (1, 2 or 3 per flasher) To Match Existing LED's ONLY	$	85.00
PNS10-503375	Mounting Hdwre Pelco SE-0567-PNC Single	$	87.00
PNS10-503375B	Mounting Hdwre Pelco SE-0567-PNC Single Black Powdercoat	$	91.00
PNS10-503375SSC	Mounting Hdwre S2S-2 Horizon Side by Side	$	117.00
PNS10-501304	Signal Closure Kit Yellow	$	7.00
PNS10-501304B	Signal Closure Kit Black	$	7.00
PNS10-504580S	Signal Wiring Kit	$	33.00
PNS10-501422BP	One Section Black Poly 12" Backplate (non Louvered)	$	105.00
PNS10-501422BPL	One Section Black Poly 12" Backplate (Louvered)	$	72.00
0	0	$	-
	TR4's		
PNS10-501661F4	TR4 GPS Time Reference (includes GPS Receiver, Power Cord and Wiring Harness)	$	675.00
PNS10-501532	GPS Receiver Only	$	250.00
PNS10-501661-4MDOT	TR4 GPS Time Reference for Missouri DOT (add 501532M)	$	421.00
PNS10-501532M	GPS Receiver Only for Missouri DOT	$	250.00
PNS10-501661-4K	TR4 Time Reference (W/O GPS)	$	360.00
PNS10-502586	TR4 72" Harness to GPS Receiver	$	75.00
PNS10-502585	TR4 72" Harness and Power Cord	$	55.00
PNS10-505495T	Processor Chip Upgrade (TR3 to TR4)	$	31.00
PNS10-501664	GPS Remote Mounting Assembly	$	563.00
	Other		
PNS10-501610P	Opticom IR Emitter Reader with Soft Side Pouch	$	620.00
PNS10-506440	Hardshell Pelican Case for Reader	$	143.00
PNS10-500632	Gate Opener Board for Opticom Gate Opener 2 Channel GTT 721	$	533.00
PNS10-501619-4	380 Card Rack for Gate Opener Board for Opticom Gate Opener 4 Channel GTT 721 w/ Timer	$	881.00
PNS10-501619	380 Card Rack with Harness	$	507.00
	RTC Installation Labor (CTC)		
CTCINSTALL	Fire Station Warning System includes 15' Pole – Screw in Anchor or Bolts 8 Hours - 1 man with a bucket truck $180+$75 and one man with a pickup $180	$	3,480.00
CTCINSTALL	School Flasher Installation includes 15' Pole – Screw in Anchor or Bolts 8 Hours - 1 man with a bucket truck $180+$75 and one man with a pickup $180	$	3,480.00
CTCINSTALL	Signal Cabinet Installation includes 15' Pole – Screw in Anchor or Bolts 8 Hours - 1 man with a pickup $180 and one man with a pickup $180	$	2,880.00
	RTC Repairs (does NOT include Pager on CPR2102)		
PNS10-AP22 REP1-5	AP22, CPR2102, AP21, AC or DC Guardian, FCB Or Anything RTC Repair Year 1-5 (Non Warranty)	$	138.00
PNS10-AP22 REP6+	AP22, CPR2102, AP21, AC or DC Guardian, FCB Or Anything RTC Repair Year 6+ (Non Warranty)	$	207.00
PNS10-CPRREPPG	CPR 2102 Pager Replacement ADD on to any repair	$	161.00
	Miovision		
	Miovision SmartLink, SmartSense and Core		
900-00044-001	Miovision SmartLink - Wireless connectivity and sensor hub, includes ruggedized TrafficLink Antenna -Will have SURCHARGE-SL sku attached after Jan 27, 2022.	$	3,483.00
900-00047-001	Miovision SmartLink SDLC A complete SmartLink hardware element that includes an embedded SDLC interface. -Will have SURCHARGE-SL sku attached after Jan 27, 2022.	$	4,644.00
900-00021-001	Miovision SmartSense - Multimodal video detection, basic traffic counts, and remote detection configuration. - Will have SURCHARGE-SS sku attached after January 27, 2022.	$	7,779.00

900-00039-001	Miovision SmartSense - Multimodal video detection, basic traffic counts, and remote detection configuration. - Will have SURCHARGE-SS sku attached after January 27, 2022.	$	7,779.00
900-00021-002	Miovision SmartSense (L3) - TERL approved modifications (FL Only) - Will have SURCHARGE-SS sku attached after January 27, 2022.	$	7,779.00
900-00039-002	Miovision SmartSense (L4) - TERL approved modifications (FL Only) - Will have SURCHARGE-SS sku attached after January 27, 2022.	$	7,779.00
900-00043-001	Miovision SmartView 360° Camera v1.1 - Includes Bell housing.	$	2,019.00
900-00051-001	The Miovision SmartView Approach is a per-approach camera adding advance detection capability. May require the optional PoE Switch.	$	1,812.00
900-00053-001	Miovision Core (NA) - Mioviison Core wireless connectivity, telemetry and sensor platform.	$	3,594.00
900-00053-002	Miovision Core with 960 GB SSD (NA). - Miovision Core wireless connectivity, telemetry and sensor platform with expanded 960 GB SSD.	$	4,523.00
900-00054-002	Miovision Core DCM (NA) - Miovision Core wireless connectivity, telemetry and sensor platform with Detection and Counts Hardware Module (DCM). Does not include the discrete detection connection in the DCM module.	$	12,110.00
900-00054-001	Miovision Core DCM (NA) - Miovision Core wireless connectivity, telemetry and sensor platform with Detection and Counts Hardware Module (DCM)	$	12,110.00
900-00054-003	Miovision Core DCM (NA) - Miovision Core wireless connectivity, telemetry and sensor platform with Detection and Counts Hardware Module (DCM) no discrete detection connection.	$	13,019.00
900-00054-004	Provides wireless connectivity, telemetry, and alert capabilities with Detection and Counts hardware Module (DCM) with Discrete Detection. Includes Core device with DCM, antenna, NYSDOT cables, and power supply.	$	12,110.00
900-00055-002	Miovision DCM Upgrade (NA) - Miovision Detection and Counts Module upgrade device no discrete detection connection. Requires Miovision Core (NA) hardware.	$	10,046.00
900-00055-001	Miovision DCM Upgrade (NA) - Miovision Detection and Counts Module upgrade device with discrete detection connection. Requires Miovision Core (NA) hardware.	$	10,046.00
800-00079-001	170 Controller Serial Cable (Wapiti) Serial cable that provides connection between 170 controllers (Wapiti) to Miovision SmartLink.	$	283.00
800-00004-001	55 POS ADAPT C CABLE	$	353.00
900-00064-001	6ft Premium - ITS Ready Ethernet Cable	$	10.00
430-00018-001	Camera Mount - Bell Only	$	151.00
800-00057-001	Camera Mount (no extension) - Horizontal - Clamp hub	$	283.00
430-00028-002	Camera Mounting Hub - Banding	$	106.00
430-00028-001	0	$	126.00
160-00024-001	Cellular Antenna (Rabbit Ear Style)	$	30.00
900-00072-001	Core Rack Mount Shelf. A 19" rack mount shelf for mounting Core or Core DCM in a TEES/33x cabinet.	$	202.00
800-00031-001	D-Cable for Econolite ASC2/3 - Cabinet side	$	252.00
800-00039-001	D-Cable for Econolite ASC2/3 - Controller side	$	252.00
800-00051-001	D-Cable for LMD40 Interface	$	505.00
800-00042-001	D-Cable for Naztech 900	$	252.00
800-00043-001	D-Cable for Naztech 900 (Interface to Cabinet)	$	252.00
800-00029-001	D-Cable for Peek Controller	$	252.00
800-00041-001	D-Cable for Siemens M50 - Cabinet side	$	252.00
800-00040-001	D-Cable for Siemens M50 - Controller side	$	252.00
800-00027-001	DB25 Serial Cable	$	15.00
800-00026-001	DB9 Serial Cable	$	15.00
900-00069-001	Discrete Detection IO Cable - compatible with SS/DCM	$	56.00
800-00087-001	Ethernet Cable - 100 ft with RJ45	$	162.00
800-00087-002	Ethernet Cable - 1000 ft with RJ45	$	1,615.00
115-00016-001	Ethernet Cable (feet)	$	1.01
115-00007-001	Ethernet Cable, CAT5E 4 ft.	$	7.00
900-00028-001	Ethernet Switch (non-PoE) - 5 Port	$	505.00

900-00073-001	Generic SDLC DB15M Straight DB25 - Compatible with DB15F adaptor cable for SmartSense or Core	$	79.00
SP-GPIO-CBL	GPIO Cable (DB-25)	$	131.00
160-00082-001	Miovision Core Power Supply	$	151.00
900-00062-001	Miovision Core Priority IO Cable	$	25.00
900-00061-001	Miovision Core SDLC Straight DB25	$	45.00
900-00060-001	Miovision Core SDLC DB15	$	61.00
800-00117-001	Miovision SmartLink - no cables or antenna	$	2,827.00
196-00005-001	Solid-state 512GB industrial temperature rated hard drive upgrade for the Miovision SmartLink	$	707.00
800-00069-001	Miovision SmartSense (no cables) - Multimodal video detection, basic traffic counts, and remote detection configuration	$	8,481.00
800-00083-001	Miovision SmartSense (L4) (No Cables)	$	8,481.00
800-00077-001	Naztech 980 Serial Cable Serial cable that provides connection between Naztec 980 controllers with no Ethernet port to Miovision SmartLink.	$	71.00
PoE Power Injector (Inline)	PoE Power Injector (Inline)	$	808.00
900-00059-001	PoE Switch to support Miovision Advanced Detection Camera	$	520.00
800-00018-001	Power Adapter for SmartLink and Interface	$	61.00
160-00043-001	Power Adapter for SmartSense	$	116.00
800-00080-001	SDLC DB25 Cable 6 ft.	$	56.00
900-00066-001	SDLC Y Cable (DB15) Miovision CORE	$	61.00
115-00017-001	SDLC Y-Cable	$	80.00
800-00072-001	SmartLink Enclosure (Steel, 16x16x6)	$	1,010.00
430-00010-001	SmartLink Rack Mount Accessory	$	46.00
800-00020-002	TrafficLink Antenna with LTE/WIFI/GPS/DSRC 6ft	$	252.00
900-00002-001	TrafficLink Interface (ABCD) - Adaptor device to allow connectivity to NEMA ABCD style controllers	$	2,019.00
900-00004-001	TrafficLink Interface (EF-140) - Adaptor device to allow connectivity to NEMA EF-140 style controllers	$	2,019.00
900-00019-001	TrafficLink Interface (LMD40)	$	2,019.00
900-00014-001	TrafficLink Interface (SDLC) - Adaptor device to allow connectivity to SDLC based controllers and detectors	$	1,010.00
900-00048-001	TrafficLink Network Integration	$	5,048.00
900-00038-001	Universal Camera Extension - 6ft extension used for both vertical and horizontal installs	$	404.00
900-00037-001	Universal Camera Mount with Universal Hub - Camera mount used for both vertical and horizontal installs	$	485.00
430-00039-001	Universal Hub - Mounting bracket to accommodate banding configurations for both vertical and horizontal installs	$	202.00
SP-PA-SPC	Standard Power Cord	$	5.00
SP-PA-PPC	Pigtail Power Cord	$	5.00
SmartLink Upgrade - Network I	SmartLink Upgrade - Network Integration Device	$	2,019.00
ASC Warranty	TrafficLink Extended Warranty (5 years)	$	1,767.00
S4011	TrafficLink Product Training (software and hardware) - Onsite or remote product training from Miovision Sales Engineer	$	2,524.00
Managed LTE Connectivity (1G	Managed LTE Connectivity (1GB) per intersection per 12 month term.	$	188.00
Managed LTE Connectivity (2G	Managed LTE Connectivity (2GB) per intersection per 12 month term.	$	363.00
Managed LTE Connectivity (3G	Managed LTE Connectivity (3GB) per intersection per 12 month term.	$	527.00
Managed LTE Connectivity (4G	Managed LTE Connectivity (4GB) per intersection per 12 month term.	$	678.00
Managed LTE Connectivity (5G	Managed LTE Connectivity (5GB) per intersection per 12 month term.	$	817.00
Managed LTE Connectivity (6G	Managed LTE Connectivity (6GB) per intersection per 12 month term.	$	944.00
Managed LTE Connectivity (7G	Managed LTE Connectivity (7GB) per intersection per 12 month term.	$	1,058.00
Managed LTE Connectivity (8G	Managed LTE Connectivity (8GB) per intersection per 12 month term.	$	1,159.00
Managed LTE Connectivity (9G	Managed LTE Connectivity (9GB) per intersection per 12 month term.	$	1,248.00
Managed LTE Connectivity (10	Managed LTE Connectivity (10GB) per intersection per 12 month term.	$	1,326.00

TrafficLink Cabinet Monitoring	TrafficLink Intersection Monitoring Real time cabinet telemetry, smart infrastructure alerts, remote cabinet device access, and video streaming & recall through the web-based TrafficLink portal.	$	237.00
Miovision TrafficLink Safety An	Miovision TrafficLink Safety Analytics Includes red light runner and pedestrian compliance reports that provide immediate insight into vehicle and pedestrian behaviour to help you proactively identify unsafe intersections.	$	303.00
TrafficLink Continuous Counts	TrafficLink Continuous Counts Continuous multimodal traffic counts with cloud-based count storage, dashboard, reporting tools, API, configuration, and software updates.	$	909.00
TrafficLink: Partner Demo Softv	TrafficLink Partner Demo Software. Includes all software features (Communications, Performance, Detection).	$	606.00
TrafficLink: Performance	TrafficLink Performance Measures A cloud-hosted solution that proactively surfaces inefficient operations using ATSPM data. Users also have access to 12 ATSPM metrics for detailed analysis, Travel Time information, and a before/after comparison tool to measure impact.	$	909.00
Traffop Signal Performance Me	Traffop Signal Performance Measures Software annual subscription. Per Intersection/Per Year. Eligible for volume based discounts. See Miovision Sales Support.	$	909.00
Miovision Adaptive Traffic Sign	Miovision Adaptive Traffic Signal Control System	$	16,154.00
Miovision Detection	Miovision Detection Video detection license to enable detection and actuation capability and configuration. Compatible with Miovision SmartSense.	$	4,336.00
Miovision Detection Plus	Miovision Detection Plus Video detection license to enable detection and actuation capability and configuration. Compatible with Miovision SmartSense. The Detection Plus License includes access to to rolling 90-day Turning Movement Counts available for CSV export, and the following detection metrics: Arrivals on Red, Arrivals on Green, Occupancy Ratio and Phase Interval.	$	8,274.00
Miovision Detection Plus Upgra	Miovision Detection Plus Upgrade Adds Detection Plus capability to a base detection license. Compatible with Miovision SmartSense. The Detection Plus License includes access to rolling 90-day Turning Movement Counts available for CSV export, and detection metrics: Arrivals on Red, Arrivals on Green, Occupancy Ratio and Phase Interval.	$	4,594.00
SmartLink Surcharge	Surcharge on the Miovision SmartLink Hardware	$	505.00
SmartSense Surcharge	Surcharge on the Miovision SmartSense Hardware	$	1,262.00
PS-ImplementationSvcs	Miovision Implementation (Configuration, Optimization, Consultation) Services on Miovision Adaptive Intersections.	$	2,524.00
PS-ImplementationSvcs-Traffo	Miovision installation and implementation of Traffop Services on Customer Traffic Network. Required upon initial purchase to implement the Traffop system.	$	5,048.00
PS-ImplementationSvcs-Traffo	Miovision installation and implementation of Traffop Services at Customer Intersections. Required for installation and implementation per intersection. Eligible for volume discounts as per Miovision Sales direction.	$	242.00
Miovision Adaptive Maintenan	Miovision Adaptive Maintenance and Support	$	2,524.00

GTT Opticom

GTT Opticom IR - Traffic

110283	Model 794H LED Emitter	$	1,473.00
110260	Model 792H Strobe Emitter	$	1,454.00
110261	793S Emitter Switch (On/Off Box)	$	278.00
110619	Model 762 Phase Selector	$	2,784.00
110610-MM	Model 764 Multimode Phase Selector	$	3,175.00
110245	Model 711 Detector	$	607.00
110258	Model 721 Detector	$	694.00
110247	Model 722 Detector	$	923.00

Trade In Trade Up Section

	Only Include the items that are eligible for the discount in this seaction		
110283	Model 794H LED Emitter	$	1,473.00
110260	Model 792H Strobe Emitter	$	1,454.00
110261	793S Emitter Switch (On/Off Box)	$	278.00
110619	Model 762 Phase Selector	$	2,784.00
110610-MM	Model 764 Multimode Phase Selector	$	3,175.00
110245	Model 711 Detector	$	607.00
110258	Model 721 Detector	$	694.00
110247	Model 722 Detector	$	923.00
GTT Trade In	Trade in Trade Up Discount 20.6248%		20.625%
	Oklahoma Discounted for Contractors		
110610-MM	Model 764 Multimode Phase Selector	$	3,175.00
110245	Model 711 Detector	$	607.00
110258	Model 721 Detector	$	694.00
110247	Model 722 Detector	$	923.00
GTT OK 40	Oklahoma 764 Discount 40%		40.000%
GTT OK 30	Oklahoma 711,721,722 Discount 30%		30.000%
	GTT Opticom GPS - Traffic		
110610-MM	Model 764 Multimode Phase Selector	$	3,175.00
110610-MMEW	Extended Warranty 764 MM Phase Selector	$	476.00
110620-MMEW	Extended Warranty 464 MM Phase Selector	$	607.00
110603-MM	Model 768 Auxiliary Panel	$	712.00
110603-MMEW	Extended Warranty 768 Aux Panel	$	107.00
110611	3100 GPS Radio Unit (Mast or Cabinet Mount)	$	3,153.00
110611-EW	Extended Warranty 3100 GPS Radio	$	473.00
110601	2100 GPS Preemption Vehicle Kit (Radio, Antenna, Cable, Install Kit)	$	3,706.00
110601EW	Extended Warranty 2000 Series Vehicle Kit	$	556.00
110617	GPS Intelligreen Fire Station System	$	7,378.00
110617EW	GPS Intelligreen 5 Yr Warranty	$	1,107.00
??	GPS Intelligreen External Activation	$	316.00
0	**GTT PCaaS**	$	-
PCaaSBASE	PCaaS Base Solution includes: Cloud Hosting, System Maintenance,Setup, Testing, Verification, Software Updates, Security Patches andmoreSetup, Testing, Verification, Software Updates, Security Patches andmore	$	2,171.00
PCaaSVEHHDW	EVP Application includes data access, vehicle hardware, installationand configuration, system monitoring and maintenance, reporting, on- site repair and replacement.	$	49.00
PCaaSVEHMOD	Vehicle Modem and Cellular Data* - per vehicle, per month	$	16.00
PCaaSINTHDW	Intersection Application includes data access, hardware, installationand configuration, monitoring, maintenance, reporting, and on-siterepair and replacement	$	71.00
PCaaSINTMOD	Intersection Modem and Cellular Data* - per vehicle, per month	$	16.00
0	**GTT Signal Core (Miovision Box)**	$	-
MIOHDW	Signal Core Hardware, Device, and Antenna	$	4,038.00
MIOONE	One Year of Service	$	649.00
MIOTEN	Ten Years of service	$	5,234.00
	GTT Opticom Multimode - Traffic		
110610-MM	Model 764 Multimode Phase Selector	$	3,175.00
110610-MMEW	Extended Warranty 764 MM Phase Selector	$	476.00
110603-MM	Model 768 Auxiliary Panel	$	712.00
110603-MMEW	Extended Warranty 768 Aux Panel	$	107.00

110253	Model 755 Four Channel Adapter Card	$	98.00
110611	3100 GPS Radio Unit (Mast or Cabinet Mount)	$	3,153.00
110611-EW	Extended Warranty 3100 GPS Radio	$	473.00
110283-MM	Model 794HM Multimode Emitter High Priority	$	1,690.00
110283-MMEW	Extended Warranty Model 794HM	$	254.00
110609	MM Vehicle Kit (2100 GPS VCU/Radio, 794HM, Cable & Hdwre)	$	5,057.00
110609EW	Extended Warranty MM Vehicle Kit	$	759.00
	GTT Opticom - Transit (Low Priority)		
110269	Model 794T LED Emitter	$	1,473.00
110269	Model 792T Strobe Emitter	$	1,531.00
110601	2000 Series GPS Preemption Vehicle Kit	$	3,706.00
110601EW	Extended Warranty 2000 Series Vehicle Kit	$	556.00
110283-MM (Low)	Model 794TM Multimode Emitter	$	1,690.00
110283-MMEW	Extended Warranty Model 794HM	$	254.00
76-1000-1298-0	4010 Universal Vehicle Computer Kit	$	2,681.00
76-1000-1242-0	211 Vehicle Interface Cable W/ Dead Reconing	$	232.00
	GTT Cable, Mounting & Accessories		
108001	External Mounting Cabinet	$	563.00
110216A	Model 138 Cable 500 Ft Roll (Per Ft.)	$	0.89
110216B	Model 138 Cable 1,000 Ft Roll (Per Ft.)	$	0.89
110605A	GPS Cable 500 Ft Roll (Per Ft.)	$	1.77
110605	GPS Cable 1,000 Ft Roll (Per Ft.)	$	1.77
201011	3/4" Narrow Hub (IR)	$	20.00
101001	Opticom Cable Hanger, 1/2" Wire, 7/16"-14 x 3/4"-14 NPT, Iron, Zinc 2	$	16.00
201011 (hub)	Mast Arm Mount (GPS)	$	114.00
100201	Model 380 Card Rack	$	492.00
110214	GTT Model 760 Card Rack (Incl. Harness)	$	566.00
78-8118-6560-5	760 Card Rack Harness Only	$	97.00
110284	Remote Code Reader (794 Emitters only)	$	454.00
PNS10-501610P	Handheld Code Reader (794 Only)	$	602.00
110282	Serial Comm Cable RS232 (Emitter Programming)	$	30.00
110270	790CS Y Cable (Required for Emitter Programming with Free Software)	$	555.00
78-8118-6620-7	794/494 & 792/492 Hardware Install Kit	$	102.00
110271	794/494 & 792/492 Emitter Cable Assy.	$	227.00
110613	Gps Radio Antenna 1050 White	$	254.00
	GTT Software		
0	Opticom On-Site Software Kit (Included)	$	-
110280	Opticom TSP Software (Includes One Yr Maint Required)	$	1,170.00
76-1000-1296-1	First Year Maint for TSP Software	$	176.00
76-1000-1297-0	Advanced Signal Management Software (Includes One Yr Maint Required)	$	1,760.00
0	First Year Maint for ASM Software	$	264.00
76-1000-1308-0	Vehicle Management Software (Plus One Yr Maint Required)	$	277.00
0	First Year Maint for VM Software	$	41.00
76-1000-1305-0	CMS Software for Five Intersections	$	1,090.00
76-1000-1305-1-W	CMS Annual Maintenance per Intersection	$	150.00
76-1000-1425-0	CMS Software for Five Vehicles	$	1,090.00
76-1000-1306-1-W	CMS Annual Maintenance per Vehicle	$	150.00
Contact GTT	SMS Evacuation Module per Intersection (Call GTT for Quote)	$	-
0	Analytics Software Setup Charge (Call GTT for Quote)	$	-
	GTT Gate Opener Kits		
75-0301-4462-2	GTT Gate Opener Card Rack with 100 ft of 138 Cable	$	637.00
100124	Gate Opener Board for Opticom Gate Opener 2 Channel GTT 721	$	517.00

PNS10-501619-4	380 Card Rack for Gate Opener Board for Opticom Gate Opener 4 Channel GTT 721 w/ Timer	$	856.00
PNS10-501619-4	380 Card Rack with Harness	$	492.00
200201B	Infrared Gate Opener Kit includes 721 Detector, 762 Phase selector, RTC Gate Opener Card Rack Card Rack with 50 ft of 138 Cable, Narrow Hub	$	3,331.00
200201B 4 CHANN	***4 Channel***Infrared Gate Opener Kit includes 721 Detector, 764 Phase selector, RTC 4 Channel Gate Opener Card Rack Card Rack with 50 ft of 138 Cable, Narrow Hub	$	4,741.00
?	GPS Gate Opener Kit includes 3100 Detector, 764 MM Phase selector, RTC Gate Opener Card Rack Card Rack with 50 ft of 138 Cable, Narrow Hub	$	6,866.00
	GTT Installation and Health Check Labor (CTC)		
	CTC Labor: GPS Opticom Intersection Antenna on Mast Arm Two men Two pickups (Crash Truck) 5 hours each 10 hours total GPS Opticom Intersection Antenna on Cabinet, One Man 3 hours GPS Vehicle 5 Hours One Man IR Intersection 10 Hours One Man IR Emitter Install 4 Hours One Man Intelligreen System or RTC Warning System 8 Hours each Two Men w/ Pickups, 16 Hours total First Time Health Check .5 Hours each		
CTCINSTALL	Annual Maint 1.5 Hours each Intersection	$	180.00
CTCINSTALL	Bucket Truck Upcharge (Include Both Drive and On Site Time)	$	75.00
	GTT Canoga		
	GTT Canoga Note: Measurement, Carriers and install need to be included with any quote of Canoga Microloops (non invasive and triple Loops also available		
110329	944 Four Channel Card (Two Lanes Speed and Length)	$	1,963.00
110330	9004 Four Channel Card	$	1,355.00
110328	922 Two Channel Card (Two Lanes Speed and Length)	$	1,077.00
110327	924X Two Channel Card (Two Lanes Speed and Length)	$	1,113.00
0	Config Software for Canoga C900 Vehicle or 944 Cards (Different software for each product- Specify)	$	-
0	Cable, Null Modem, 9 pin 15 ft	$	52.00
111501	1000 ft Spool Home run cable per FT	$	1.59
78-8114-5717-1	Installaton Kit 702 Non invasive Microloop	$	316.00
78-8114-5707-2	Installaton Kit 7002 Non-Invasive Microloop	$	101.00
78-8118-6123-2	Carrier Package@ 25 Units 702 Non Invasive Microloops	$	274.00
78-8118-6124-0	Carrier Package@ 50 Units 702 Non Invasive Microloops	$	601.00
75-0301-3114-0	701-1 Single Microlooop with 75 ft Cable	$	337.00
75-0301-3115-7	701-1 Single Microlooop with 150 ft Cable	$	414.00
75-0301-3116-5	701-1 Single Microlooop with 250 ft Cable	$	379.00
75-0301-3117-3	701-1 Single Microlooop with 500 ft Cable	$	529.00
75-0301-3118-1	701-1 Single Microlooop with 1000 ft Cable	$	827.00
75-0301-3119-9	701-2 Double Microlooop with 75 ft Cable	$	659.00
75-0301-3120-7	701-2 Double Microlooop with 150 ft Cable	$	553.00
75-0301-3121-5	701-2 Double Microlooop with 250 ft Cable	$	612.00
75-0301-3122-3	701-2 Double Microlooop with 500 ft Cable	$	762.00
75-0301-3123-1	701-2 Double Microlooop with 1000 ft Cable	$	1,060.00
	Polara Pushbuttons and APS		
	Ped Detection Push Buttons (Std.) Polara Bulldog		
	Bulldog Buttons & Misc		
87 - BDL3-Y	Bulldog Button Latch and Momentary Yellow	$	86.00

87 - BDL3-B	Bulldog Button Latch and Momentary Black	$	86.00
87 - BDSP-014-Y	Bulldog Button Yellow (TS1 Only)	$	86.00
87 - BDSP-014-B	Bulldog Button Black (TS1 Only)	$	86.00
87 - BDSP-010-Y	Bulldog Button NO LED Yellow	$	91.00
87 - BDSP-010-B	Bulldog Button NO LED Black	$	91.00
87 - BDL3AL-Y	Bulldog Button Yellow - Left Arrow	$	98.00
87 - BDL3AL-B	Bulldog Button Black - Left Arrow	$	98.00
87 - BDL3AR-Y	Bulldog Button Yellow - Right Arrow	$	98.00
87 - BDL3AR-B	Bulldog Button Black - Right Arrow	$	98.00
87 - BDPM3-Y	Bulldog Pole Universal Mount Yellow	$	15.00
87 - BDPM3-B	Bulldog Pole Universal Mount Black	$	15.00
87 - APBC2-Y	Bulldog Pushbutton Cup Aluminum Yellow	$	16.00
87 - APBC2-B	Bulldog Pushbutton Cup Aluminum Black	$	16.00
87 - ie. (BDL3CE-Y)	Bulldog One Time Custom Etching Fee (Add CE to Part number)	$	203.00
87 - RBDSP-014-Y-4H*	Rectangular Bulldog Button Yellow	$	94.00
87 - RBDSP-014-B-4H	Rectangular Bulldog Button Black	$	94.00
	Bulldog 5X7		
87 - PBF2C-5X7-Y	5x7 Bulldog Button Frame Yellow	$	43.00
87 - PBF2C-5X7-B	5x7 Bulldog Button Frame Black	$	43.00
87 - PBFA9X12-Y	5x7 Coversion to 9X12 Bulldog Backplate Yellow	$	27.00
87 - PBFA9X12-B	5x7 Coversion to 9X12 Bulldog Backplate Black	$	27.00
87 - PBFA9X15-Y	5x7 Coversion to 9X15 Bulldog Backplate Yellow	$	34.00
87 - PBFA9X15-B	5x7 Coversion to 9X15 Bulldog Backplate Black	$	34.00
87 - 800-87	5x7 Reversable Sign (Hand Man) Option A	$	15.00
87 - 800-88	5x7 Bidirectional Sign (Hand Man) Option A	$	15.00
87 - 800-59	5x7 Reversable Sign (Flashing Hand) Option B	$	17.00
87 - 800-63	5x7 Bidirectional Sign (Flashing Hand) Option B	$	17.00
	Bulldog 9X12		
87 - PBF2C-9X12-Y	9X12 Bulldog Button Frame Yellow	$	63.00
87 - PBF9X12-B	9X12 Bulldog Button Frame Black	$	63.00
87 - 800H-69	9X12 Reversable Sign (Flashing Hand R10-3B) Option U	$	29.00
87 - 800H-72	9X12 Bidirectional Sign (Flashing Hand R10-3B) Option U	$	19.00
87 - 800-67	9X12 Reversable Sign (International) Option D	$	20.00
87 - 800-70	9X12 Bidirectional Sign (International) Option D	$	20.00
87 - 800-85	9X12 Reversable Sign (Countdown R10-3E) Option C	$	23.00
87 - 800-90	9X12 Bidirectional Sign (Countdown R10-3E) Option C	$	25.00
87 - 800H-86	9X12 Reversable Sign (MUTCD R10-3) Option V	$	23.00
87 - 800H-89	9X12 Bidirectional Sign (MUTCD R10-3) Option V	$	15.00
	Bulldog 9X15		
87 - PBF2C-9X15-Y	9X15 Bulldog Button Frame Yellow	$	71.00
87 - PBF9X15-B	9X15 Bulldog Button Frame Black	$	71.00
87 - 800H-84	9X15 Reversable Sign (Countdown R10-3E) Option T	$	36.00
87 - 800H-99	9X15 Bidirectional Sign (Countdown R10-3E) Option T	$	24.00
	Bulldog Push Button Control Units & Accessories	$	-
87 - PBCU	Push Button Control Unit A/C Powered	$	263.00
87 - PBCU-DC	Push Button Control Unit D/C Powered	$	282.00
87 - LPBCU2	Latching Push Button Control Unit	$	285.00
87 - PBCUHK-12	PBCU Hardware Kit 12' Cable (6 and 15 ft discontinued)	$	81.00
87 - BDPM3-Y	Bulldog Pole Mount - Yellow	$	15.00
87 - BDPM3-B'	Bulldog Pole Mount - Black	$	15.00
87 - PA-1Y	Pelco Poly Adaptor - Yellow	$	15.00
87 - PA-1B	Pelco Poly Adaptor - Black	$	15.00
87 - APBC2-Y	Push Button Cup - Yellow	$	16.00
87 - APBC2-B	Push Button Cup - Black	$	16.00
87 - INS-EXT-06	Push Button Frame Pole Extender 6"	$	135.00

87 - INS-EXT-12	Push Button Frame Pole Extender 12"	$	145.00
87 - PBF2S-4.5-B	PBF Adapter for 2 Frames on one 4.5" Pole (all sizes) Black	$	104.00
87 - PBF2S-4.5-B	PBF Adapter for 2 Frames on one 4.5" Pole (all sizes) Yellow	$	104.00
	iNS2 (SDLC Connector) 2 Wire Intellegent APS, (Base is always Black)		
87 - ICCU-S2+SDLCCP	ICCU - Shelf Model Including Hardware Kit, Power Supply and ICB and SDLC Cabinet Package	$	2,634.00
87 - ICCU-S2+ACCP	ICCU - Shelf Model Including Hardware Kit, Power Supply and ICB and All Cabinet Package	$	2,531.00
87 - ICCU-C2+SDLCCP	ICCU - Rack Mount Including Hardware Kit, Power Supply and ICB and SDLC Cabinet Package	$	2,529.00
87 - ICCU-S2	ICCU - Shelf Mount includes BIU Capability, Hardware Kit, Power Supply and ICB (add Cable package)	$	2,368.00
87 - ICCU-C2	ICCU - Rack Mount includes BIU Capability, Hardware Kit, Power Supply and ICB (add Cable package)	$	2,264.00
87 - ACCP	Any Cabinet Cable Package (includes Cables A, C, iN2-ICB	$	163.00
87 - SDLCCP	SDLC Cabinet Package (includes iN2-SDLC-YCABLE, Cables A,C, iN2-ICB)	$	266.00
87 - iN2-SDLC-CABLE	SDLC Cable - 6' Length	$	79.00
	iNS (50 Pin connector) 2 Wire Intellegent APS, (Base is always Black)		
87 - ICCU-S2+50PINADP	ICCU - Shelf Model Including 50 Pin Connector Hardware Kit, Power Supply and ICB	$	2,447.00
87 - ICCU-C2+50PINADP	ICCU - Rack Mount Including 50 Pin Connector Hardware Kit, Power Supply and ICB	$	2,343.00
87 - 50PINADP	50 Pin Cable Adapter for iCCU-S2	$	80.00
	iNS2 APS Miscellaneous		
87-iNS-SUB	iNS2 Setup box	$	390.00
cust msg	Special Message on Unit	$	29.00
Braile	Braile on Plastic Plate with Adhesive Back	$	41.00
87-Add -NA	No Arrow Button (Sign has arrow)	$	30.00
87-Add -BD	Bidirectional Button Add On	$	30.00
87-Add -ES	External Speaker (Allow 8-10 weeks)	$	98.00
	iNS/IDS Button Diaphram Replacement Assemblies		
87-850-491-1	iNS/iDS Button Diaphragm Assembly, Right/Left Arrow	$	28.00
87-850-491-2	iNS/iDS Button Diaphragm Assembly, Bi-Directional Arrow	$	41.00
87-850-491-3	iNS/iDS Button Diaphragm Assembly, No Arrow	$	41.00
	iNS2 and iDetect 5X7 Including 800-59 Reversable Sign		
87-iDS25EN0-Y	5X7 iDetect S2 APS Push Button Station Black/Yellow	$	455.00
87-iDS25EN0-B	5X7 iDetect S2 APS Push Button Station Black/Black	$	455.00
87-iNS25AN0-Y	5X7 iNS2 APS Push Button Station Black/Yellow	$	422.00
87-iNS25AN0-B	5X7 iNS2 APS Push Button Station Black/Black	$	422.00
87-800-59	5x7 Reversable Sign (Flashing Hand) Option B	$	17.00
87-800-63	5x7 Bidirectional Sign (Flashing Hand) Option B	$	17.00
87-800H-86	5x7 Reversable Sign (Hand Man) Option A	$	15.00
87-800H-89	5x7 Bidirectional Sign (Hand Man) Option A	$	15.00
	iNS2 and iDetect 9X12 Including 800-85 Reversable Sign		
87-iDS29RN0-Y	9X12 iDetect S2 APS Push Button Station Black/Yellow	$	499.00
87-iDS29RN0-B	9X12 iDetect S2 APS Push Button Station Black/Black	$	499.00
87-iNS29AN0-Y	9X12 iNS2 APS Push Button Station Black/Yellow	$	467.00
87-iNS29AN0-B	9X12 iNS2 APS Push Button Station Black/Black	$	467.00
87-800H-69	9X12 Reversable Sign (Flashing Hand) Option U	$	29.00
87-800H-72	9X12 Bidirectional Sign (Flashing Hand) Option U	$	19.00
87-800-85	9X12 Reversable Sign (Countdown) Option C	$	20.00
87-800-90	9X12 Bidirectional Sign (Countdown) Option C	$	20.00
	iNS2 and iDetect 9X15 Including 800H-84 Reversable Sign		
87-iDS23RN0-Y	9X15 iDetect S2 APS Push Button Station Black/Yellow	$	510.00
87-iDS23RN0-B	9X15 iDetect S2 APS Push Button Station Black/Black	$	510.00

87-iNS23TN0-Y	9X15 iNS2 APS Push Button Station Black/Yellow	$	477.00
87-iNS23TN0-B	9X15 iNS2 APS Push Button Station Black/Black	$	477.00
87-800H-84	9X15 Reversable Sign (Countdown) Option C	$	36.00
87-800H-99	9X15 Bidirectional Sign (Countdown) Option C	$	24.00
87-87-7YR	Extended Warranty to 7 years (Put a 1 in Quantity Box)		12%
	iNS3 3 Wire Intellegent APS, (Base is always Black)		
	iNS3 APS Miscellaneous		
87-iNS-SUB	iNS3 Setup box	$	390.00
cust msg	Special Message on Unit	$	29.00
Braile	Braile on Plastic Plate with Adhesive Back	$	41.00
87-Add -NA	No Arrow Button (Sign has arrow)	$	30.00
87-Add -BD	Bidirectional Button Add On	$	30.00
87-Add -ES	External Speaker (Allow 8-10 weeks)	$	98.00
87-iPHCU3S	Ped Head Control Unit (1 per Push Button)	$	248.00
87-iN3-CABLE-12	12' interconnect Cable (1 per Control Unit)	$	17.00
87-iN3-CABLE-25	25' interconnect Cable (1 per Control Unit)	$	36.00
87-iN-DGL	iNAV Bluetooth Dongle	$	68.00
87-iNS-CCK-Y-R1	iNS/iDS Color Change Kit- Old Plastics	$	32.00
87-iNS-CCK-Y-R2	iNS/iDS Color Change Kit- New Plastics	$	32.00
87-iNS-90DEGADPTR	90 Degree Reach or Orientation Adaptor	$	184.00
	iNS/IDS Button Diaphram Replacement Assemblies		
87-850-491-1	iNS/iDS Button Diaphragm Assembly, Right/Left Arrow	$	28.00
87-850-491-2	iNS/iDS Button Diaphragm Assembly, Bi-Directional Arrow	$	41.00
87-850-491-3	iNS/iDS Button Diaphragm Assembly, No Arrow	$	41.00
	iNS3 and iDetect 5X7 Including 800-59 Reversable Sign		
87-iDS35EN0-Y	5X7 iDetect S2 APS Push Button Station Black/Yellow	$	447.00
87-iDS35EN0-B	5X7 iDetect S2 APS Push Button Station Black/Black	$	447.00
87-iNS35AN0-Y	5X7 iNS3 APS Push Button Station Black/Yellow	$	415.00
87-iNS35AN0-B	5X7 iNS3 APS Push Button Station Black/Black	$	415.00
87-800-59	5x7 Reversable Sign (Flashing Hand) Option B	$	17.00
87-800-63	5x7 Bidirectional Sign (Flashing Hand) Option B	$	17.00
87-800H-86	5x7 Reversable Sign (Hand Man) Option A	$	15.00
87-800H-89	5x7 Bidirectional Sign (Hand Man) Option A	$	15.00
	iNS3 and iDetect 9X12 Including 800-85 Reversable Sign		
87-iDS39RN0-Y	9X12 iDetect S2 APS Push Button Station Black/Yellow	$	492.00
87-iDS39RN0-B	9X12 iDetect S2 APS Push Button Station Black/Black	$	492.00
87-iNS39AN0-Y	9X12 iNS3 APS Push Button Station Black/Yellow	$	459.00
87-iNS39AN0-B	9X12 iNS3 APS Push Button Station Black/Black	$	459.00
87-800H-69	9X12 Reversable Sign (Flashing Hand) Option U	$	29.00
87-800H-72	9X12 Bidirectional Sign (Flashing Hand) Option U	$	19.00
87-800-85	9X12 Reversable Sign (Countdown) Option C	$	20.00
87-800-90	9X12 Bidirectional Sign (Countdown) Option C	$	20.00
	iNS3 and iDetect 9X15 Including 800H-84 Reversable Sign		
87-iDS33RN0-Y	9X15 iDetect S3 APS Push Button Station Black/Yellow	$	502.00
87-iDS33RN0-B	9X15 iDetect S3 APS Push Button Station Black/Black	$	502.00
87-iNS33TN0-Y	9X15 iNS3 APS Push Button Station Black/Yellow	$	470.00
87-iNS33TN0-B	9X15 iNS3 APS Push Button Station Black/Black	$	470.00
87-800H-84	9X15 Reversable Sign (Countdown) Option C	$	36.00
87-800H-99	9X15 Bidirectional Sign (Countdown) Option C	$	24.00

Model X Pedestrian Crossing

	INX (No Control Unit Required)		
87-iNX9WN0-Y	9X12 APS Push Button Station Black/Yellow	$	457.00
87-iNX9WN0-B	9X12 APS Push Button Station Black/Black	$	457.00
87-iDX9SN0-Y	9X12 iDetect APS Push Button Station Black/Yellow	$	489.00

87-iDX9SN0-B	9X12 iDetect APS Push Button Station Black/Black	$	489.00
	Polara Installion Labor (CTC)		
CTCINSTALLPOLINT	APS Install (8 Navigators and CCU,No Wire Pulling) 8 Hours One Man	$	1,440.00
CTCINSTALLPOLINTWIRE	APS Install (8 Navigators and CCU,With Wire Pulling) 8 Hours One Man and 8 hours Two Men	$	2,880.00
CTCINSTALLPED	Pedestrian Crossing Flasher Installation including 15' Pole, Screw in Anchor or Bolts 8 Hours Two Men, two trucks	$	3,480.00
	Ped Signals (Countdown)		
	Ped Heads		
190006	Ped Head Poly Yellow	$	83.00
190109	Ped Head Aluminum Yellow drilled Left	$	153.00
191106	Ped Head Poly Black	$	83.00
191109	Ped Head Alum Black drilled left	$	153.00
0	**Clamshells**	$	-
190006C	Aluminum Clamshell Yellow	$	83.00
191109C	Aluminum Clamshell Black	$	83.00
	Ped Heads with Clamshells		
190110	16" Ped Head Aluminum Yellow with Clamshell	$	236.00
191110	16" Ped Head Aluminum Black With Clamshell	$	236.00
	Astro Bracs for Ped Heads		
20AS-0157-96	1W Ped Head (96" Cable)	$	232.00
20AS-0158-96	2W Ped Head (96" Cable)	$	369.00
	Leotek LED's for Ped Heads		
821002-IL-TXD	16" Full Hand/Man CD PED - Incand. Look 120 Vac	$	141.00
821002 48V	16" Full Hand/Man CD PED - Incand. Look 48 Vdc	$	195.00
	Ped Pole Assembly (Greater than 5' Pole)		
	Anchors, Poles, Bases and Collars		
201018	Anchor Bolts	$	64.00
20PB-5364	4" Screw in Anchor	$	522.00
300008	8" Screw in Anchor	$	1,133.00
201502	Square Base	$	211.00
Paint Adder	Painted Base	$	229.00
PB-5303-PNC	2 Piece Dec Cover	$	190.00
20PB-5378	Grounding Lug PB-5378-BRS	$	20.00
PNS-10-501312GR	Grounding Rod with Clamp and Wire	$	56.00
201020	Collar	$	90.00
PB-5325-PXX	Painted Collar	$	101.00
201001	8' Aluminum Pole	$	228.00
201001	10' Aluminum Pole	$	285.00
201001B	10' Aluminum Pole (Paint)	$	320.00
PB-5100-11-PNC	11' Aluminum Pole	$	313.00
PB-5100-11-PXX	11' Aluminum Pole (Paint)	$	352.00
201022	12' Aluminum Pole	$	342.00
201022B	12' Aluminum Pole (Paint)	$	384.00
201043-13	13' Aluminum Pole	$	370.00
201524	14' Aluminum Pole	$	399.00
201043	15' Aluminum Pole	$	427.00
201043B	15' Aluminum Pole (Paint)	$	480.00
201043-16	16' Aluminum Pole	$	456.00
201043-17	17' Aluminum Pole	$	484.00
201043-18	18' Aluminum Pole	$	513.00
201071	20' Aluminum Pole	$	570.00
201044-10	10' Aluminum Pole Schedule 80	$	473.00

201044	15' Aluminum Pole Schedule 80	$	695.00
201044-20	20' Aluminum Pole Schedule 80	$	931.00
PB-5200-10-GLV	Steel Pole 10'	$	505.00
PB-5201-10-PXX	Steel 10' Pole (Paint)	$	539.00
201041-15	Steel 15' Pole	$	757.00
PB-5200-15-GLV-PXX	Steel 15' Pole (Paint)	$	809.00
201007	Cap	$	18.00
PB-5402-PNC	Cap-Painted	$	24.00
Paint Adder	Paint for pole (per ft)	$	3.00
Certs	Material Certifications 5% of all Lines Certified (Put the $$ of all lines requiring Certs in the Quantity Box)		5%
	Decorative Pelco Poles		
AP-8705-12-PT-3.5-HB-P59	Versapole Assy. w/ Track Mtg. System, 12' w/3 1/2" Post top Tenon & Hamilton Base, Alum, Text Blk.	$	2,103.00
AP-8705-14-PT3.50-HB-P59	Versapole Assy. w/ Track Mtg. System, 14' w/3 1/2" Post top Tenon & Hamilton Base, Alum, Text Blk.	$	2,124.00
SH-1617-FL59-P59	Post Cap, Black Fleur Finial, Textured Black	$	50.00
AP-7530-85W-36LED-3K-UNV-T3-P59	Luminaire, Urban Series w/ skirted bell hood, 85W 36led, 3K, 120-277V, Type III, Text Black	$	3,222.00
AP-7432-P59	Luminaire Arm, Brace, Aluminum, Textured Black	$	248.00
SE-3350-P59	Signal Mnt. Assy, Versapole Upper & Lower Arms, Alum, Textured Black	$	222.00
AP-7435-42-FL59-P59	Street Name Sign Bracket, Alum, Black Fleur Finial, Textured Black	$	140.00
0	0	$	-
	Fort Worth Pelco Items (FW Pelco Color is 29)		
	Poles RTC Cabinets misc Hardware		
SE-3106-PNC	4 -1/2" OD Diameter Slip Fitter, 1-Way, Alum.	$	55.00
SE-0445-PNC	Hub Plate w/o Cable Guide w/ Set Screw, 1-1/2'' Nps, Alum (Unpainted)	$	22.00
SE-0457-PNC	Elbow 1-1/2'' Nps w/ Set Screws, Alum	$	18.00
SE-1100-PNC	Mounting kit, 4" (4-1/2" OD) Post, No coating	$	40.00
SE-0326-72-PNC	Nipple, 1-1/2 NPS x 1-1/2 NPT x 72 Alum	$	75.00
SE-4204-18-PNC	Nipple, 1-1/2 NPS x 1-1/2 NPT x 18 Alum	$	25.00
SE-4204-12-PNC	Nipple, 1-1/2 NPS x 1-1/2 NPT x 12, Alum.	$	20.00
SE-4204-06-PNC	Nipple, 1-1/2 NPS x 1-1/2 NPT x 12, Alum.	$	15.00
SE-4088-PNC	Closure Cap, Octagonal 1-1/2 x 1/2, Alum.	$	6.00
SE-0309-04-PNC	Nipple, All Thread 1-1/2 NPS x 4" Alum.	$	21.00
SE-4125-PNC	Nut, Conduit Lock, 1-1/2	$	3.00
SE-0346-PNC	Notched coupling 1 1/2" NPS x 2", alum	$	14.00
SE-0458-P29	Threaded -T Yellow	$	24.00
SE-0443-PNC	Hex nipple	$	8.00
SE-0354	Gasket	$	1.00
SE-3054-P01	Closure kit Yellow	$	6.00
SE-4242-M1-P29	Adapter, Tri-Bolt, 1-1/2" NPS w/o Studs, Alum-Yellow	$	25.00
SE-0436-72-P29	Yellow Nipple, 1-1/2" NPS x 72", Alum	$	75.00
AB-0502-4	Sign clamp, Sign Clamp w/ Hardware, Astro-Brac, 4", Alum	$	20.00
AG-3055-96	Astro-Brac Clamp Kit, Galaxy Hinged, 96" Galv Cable, Alum	$	130.00
SE-0457-P29	Ell, Serrated, 1-1/2" NPS w/ Double Set Screws, Alum, Powder Coated	$	20.00
SE-0471-PNC	Reducer bushing, 1-1/2 to 3/4 in.	$	8.00
AB-0160-45-PNC	Mini clamp kit	$	57.00
SE-3165-06-P29	Arm kit, 6 in.Yellow	$	50.00
SE-0567-P29	One way tri-stud, Yellow	$	76.00
SE-5186-P29	Two way tri-stud, Yellow	$	130.00
SH-0206-1.5-PNC	U-Bolt Sign Clamp Assy W/ Sign Mounting Hardware 1.5"	$	37.00
SE-4200-06-P29	Nipple, 1-1/2" NPTx 1-1/2" NPT x 6", Alum	$	22.00
Hose Clamp	GLIDESTORE 6-Inch Hose Clamps Stainless Steel (Adjustable 5.5 Inch – 6.2 Inch Diameter), Duct Clamps, Dryer Vent Hose Clamp,	$	17.00
LB-45CG HD	BRIDGEPORT LB-45CG 1-1/2 LB CONDUIT BODY W/COVER & GASKET.	$	30.00

201001	Pedestal Pole, 4" Alum 8' NPT Sch.40, spun alum, threaded at one end	$	228.00
201001	Pedestal Pole, 4" Alum 10' NPT Sch.40, spun alum, threaded at one end	$	285.00
PB-5334-1S-GL-PNC	PELCO 12 x 12 Base, Alum with Alum Door, 1Hex bolt,Ground Lug, No color	$	210.00
201020	Pole and base collar assembly, Alum, Square base (comes with the screws??)	$	91.00
503568-3PT HINGE BR	24"Hx 17"W x 16"D With 3 point locking and APC key lock On Con	$	1,019.00
503441CB	Panel Only 2 Battery Cabinet	$	42.00
SP20	20 Watt 12V Solar Panel Assy with mount and 15 ft of Wiring	$	330.00
Conduit	Alum conduit 1 1/2" X 10'	$	5.00

Ped Pushbutton Pole (5' or Less Pole)

	Anchors, Poles, Bases and Collars		
201018	Anchor Bolts	$	64.00
20PB-5364	4" Screw in Anchor	$	522.00
300008	8" Screw in Anchor	$	1,133.00
201502	Square Base	$	211.00
Paint Adder	Painted Base	$	229.00
PB-5303-PNC	2 Piece Dec Cover	$	190.00
20PB-5378	Grounding Lug PB-5378-BRS	$	20.00
PNS-10-501312GR	Grounding Rod with Clamp and Wire	$	56.00
201020	Collar	$	90.00
PB-5325-PXX	Painted Collar	$	101.00
201120-4	4' Aluminum Pole	$	114.00
201043-5	5' Aluminum Pole	$	142.00
PB-5200-04-GLV	Steel 4' Pole	$	245.00
PB-5201-05-GLV	Steel 5' Pole	$	260.00
201007	Cap	$	18.00
Paint Adder	Cap-Painted	$	24.00
Paint Adder	Paint for pole (per ft)	$	3.00

MH Corbin Traffic Counters & Measuring Equip

	NC350 Traffic Analyzers		
121877-350	Portable Traffic Analyzer NC350 Includes: Manual, Battery Charger w/US Plug	$	1,496.00
121877COVER	Protective Cover	$	190.00
121877CABLE	Interface Cable Assembly - USB	$	218.00
121877-300SFT	Highway Data Management Software (HDM -Full Verison)	$	1,271.00
70700052	Highway Data Management Software (HDM -Full Verison, Discounted if customer has previous version)	$	520.00
90300204	Poly Bags - Protective (package of 100)	$	40.00
70002031	Protective Cover Installation Kit- ASPHALT (Includes: 500 washers, screws, 5 bits)	$	439.00
70002030	Protective Cover Installation Kit- CONCRETE (Includes: 500 washers, screws, 5 bits)	$	404.00
121877CHARGER	Charger, NC300/NC200, 110 VAC, US Plug	$	63.00
121877BATERY	NC200 Replacement Battery	$	173.00
660101	Tapecoat Roll (12 inches x 75 feet per roll X 2 rolls)	$	513.00
	Nitestar Distance Measuring Equipment		
120659	GPS-DMI Pro (Includes GPS Unit, OBDII Cable, Display Cable, Garmin Antenna, Velcor Carrying Case)	$	1,149.00
120657	NS-50 NiteStar Distance Measuring Instrument	$	467.00
120668	NS-60 NiteStar Distance Measuring Instrument (RS-232 Port to connect to GPS)	$	646.00
120657-SS10	SS-10 Electronic Interface	$	240.00
120657-CABLEKIT	SS10 Standard Cable Kit (Includes: Sensor to NS Cable, and Sensor to Vehicle Cable. " Standard "Cables)	$	80.00
120608	1082F Wheel Proximity Sensor with U-Bolt	$	208.00
70004150	1030 Wiring Harness, to be used with the proximity sensor (Includes: Wiring Harness, Terminal Block, Fuse, etc.)	$	68.00

120655	OBD-II Interface Adapter DMI VDT Accessory	$	537.00
120615	NS-50/60 Mounting Bracket	$	39.00

Etherwan Ethernet Switches

Cellular Routers and Accessories:

C4G-4PIN-PT	1 x pigtail cable with 4 pin Molex connector, 3m / 10ft for C4G Desktop Router product lines for GPIO and power.	$	37.00
C4G-8PIN-PT	1 x pigtail cable with 8 pin Molex connector, 3m / 10ft for C4G Desktop Router product lines	$	37.00
C4G-DIN	Universal DIN Rail Router Mount for C4G Series. The router can be attached either on the side or flat on the bottom.	$	38.00
C4G-GPS1ANT	1 x GPS/GNSS (GPS, Galileo, Glonass, Beidou) Passive Antenna with 5m / 16ft cable SMA connector for C4G Router product line.	$	42.00
C4G-LTE2ANT	2 x LTE Antenna with SMA direct attach connector for EW-CELL4G product line.	$	60.00
C4G-M-4P3M	C4G-M-4P3M-PS LTE Router with integrated: LTE-A (CAT6 300M / 50M), GPS/GNSS, 4 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), 2 x Digital Inputs, Alarm Relay, RS485 half-duplex, IP54 enclosure. North American power adapter included.	$	1,122.00
C4G-M-4P3MW	C4G-M-4P3MW-PS LTE Router with integrated: LTE-A (CAT6 300M / 50M), GPS/GNSS, Wireless LAN (2.4/5 GHz), 4 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), 2 x Digital Inputs, Alarm Relay, RS485 half-duplex, IP54 enclosure. North American power adapter included.	$	1,289.00
C4G-M-4P6FW	C4G-M-4P6FW-PS FirstNet Ready LTE Router with integrated: LTE-A PRO (CAT12 600M with B14 NA support), GPS/GNSS, Wireless LAN (2.4/5 GHz), 4 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), 2 x Digital Inputs, Alarm Relay, 485 half-duplex, IP54 enclosure. North American power adapter included.	$	1,842.00
C4G-M-4P6M	C4G-M-4P6M-PS LTE Router with integrated: LTE-A PRO (CAT12 600M / 150M), GNSS, 4 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), 2 x Digital Inputs, Alarm Relay, RS485 half-duplex, IP54 enclosure. North American power adapter included.	$	1,405.00
C4G-M-4P6MW	C4G-M-4P6MW-PS LTE Router with integrated: LTE-A PRO (CAT12 600M / 150M), GPS/GNSS, Wireless LAN (2.4/5 GHz), 4 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), 2 x Digital Inputs, Alarm Relay, RS485 half-duplex, IP54 enclosure. North American power adapter included.	$	1,586.00
C4G-PSU-US	1 x PSU 12 VDC / 2 A with 4 pin Molex connector, 1.8m / 6ft cable and NA wall plug for C4G Desktop Router product lines.	$	64.00
C4G-PSU-US-H	Power Supply, Hardened (-40C - +75C) External, TS2 rated; Input Rating - 90-264VAC (47-63Hz), Output Rating 45W, 12VDC, 0-3.7A for C4G Desktop Router product lines.	$	124.00
C4G-S-1P3M	C4G-S-1P3M-PS LTE Router with integrated: LTE-A (CAT6 300M / 50M), GPS/GNSS, 1 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), IP54 enclosure. North American power adapter included.	$	962.00
C4G-S-1P6M	C4G-S-1P6M-PS LTE Router with integrated: LTE-A PRO (CAT12 600M / 150M), GPS/GNSS, 1 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), IP54 enclosure. North American power adapter included.	$	1,103.00
C4G-PSU-US	1 x PSU 12 VDC / 2 A with 4 pin Molex connector, 1.8m / 6ft cable and NA wall plug for C4G Desktop Router product lines.	$	52.00
C4G-PSU-US-H	Power Supply, Hardened (-40C - +75C) External, TS2 rated; Input Rating - 100-277VAC, Output Rating 60W, 242VDC, 0-2.5A for C4G Desktop Router product lines.	$	100.00

C4G-S-1P3M	C4G-S-1P3M-PS LTE Router with integrated: LTE-A (CAT6 300M / 50M), GPS/GNSS, 1 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), IP54 enclosure. North American power adapter included.	$	962.00
C4G-S-1P6M	C4G-S-1P6M LTE Router with integrated: LTE-A PRO (CAT12 600M / 150M), GPS/GNSS, 1 x 10/100/1000 RJ45 Ethernet, USB-C Port, RS232, GPIO, IGN (ignition sense pin), IP54 enclosure. North American power adapter included.	$	1,103.00
C4G-WIFI2ANT	2 x Wi-Fi Antenna with RP-SMA direct attach connector for C4G Router product line.	$	39.00
	Cable		
Cable 150	150 Ft., Shielded RJ45 Plug to Plug 568B Wired, Solid, Black PVC Jacket, Shielded CAT6 Outdoor Standard Patch Cable	$	100.00
Cable 25	25 Ft., Shielded RJ45 Plug to Plug 568B Wired, Solid, Black PVC Jacket, Shielded CAT6 Outdoor Standard Patch Cable	$	29.00
Cable 300	300 Ft., Shielded RJ45 Plug to Plug 568B Wired, Solid, Black PVC Jacket, Shielded CAT6 Outdoor Standard Patch Cable	$	190.00
Cable 50	50 Ft., Shielded RJ45 Plug to Plug 568B Wired, Solid, Black PVC Jacket, Shielded CAT6 Outdoor Standard Patch Cable	$	44.00
	Conformal Coating (-CC)		
Conformal Coating Option	A -CC at the end of any device means it will be conformal coated The CC price is 125% of the NON CC price Orders or less than 50 units of the same model will also require the Conformal Coating Setup Fee of $500	$	-
CC-Setup	Conformal Coating setup fee - fee is waived for orders of 50 or more units of the same model.	$	500.00
	EasyLink		
EasyLink-300-US	Wireless Bridge Kit - Contains two paired Wireless Bridge Units, 2 x 24VDC, 1.5A Power Supplies, 2 x Passive PoE Injectors and 2 x Mounting Kits. 300Mbps, Hardened (-40C - +70C). Supports 6VDC to 30VDC Passive PoE	$	499.00
EasyLink-300-US-MP-02	Hardened Wireless Bridge Kit - 1 Wireless Bridge Base unit and 2 paired Wireless Bridge Clients, 3 x 24VDC, 1.5A Power Supplies, 3 x Passive PoE Injectors and 3 x Mounting kits.	$	1,607.00
EasyLink-300-US-MP-04	Hardened Wireless Bridge Kit - 1 Wireless Bridge Base unit and 4 paired Wireless Bridge Clients, 5 x 24VDC, 1.5A Power Supplies, 5 x Passive PoE Injectors and 5 x Mounting kits.	$	1,913.00
EasyLink-300-US-MP-06	Hardened Wireless Bridge Kit - 1 Wireless Bridge Base unit and 6 paired Wireless Bridge Clients, 7 x 24VDC, 1.5A Power Supplies, 7 x Passive PoE Injectors and 7 x Mounting kits.	$	2,356.00
EasyLink-PSU-INJ	Power Supply and a Gigabit Passive PoE Injector - 24VDC, 1.5A (36W). Replacement Power Supply for EasyLink Wireless Bridge series. Also can be used for any Passive PoE device that uses 24VDC, 1.5A (or less) on pins 4,5 & 7,8	$	29.00
	EasyPOE		
EASYPOE4B-PMT	NEMA 4/4X Indoor/Outdoor Cabinet with Integrated PoE Switch and power supply. Unmanaged Gigabit Ethernet PoE Switch with 4 Gigabit PoE Ports + 1 10/100/1000M RJ45 port. IEEE802.3at 30W with 120W PoE power budget. Wall or Pole Mount, 100-240VAC power input. Pole mounting kit included.	$	974.00
EASYPOE4P	NEMA 4/4X Indoor/Outdoor Cabinet with Integrated PoE Switch, power supply, and surge suppressor. Unmanaged Gigabit Ethernet PoE Switch with 4 Gigabit PoE Ports + 1 10/100/1000M RJ45 port. IEEE802.3at 30W with 120W PoE power budget. Wall or Pole Mount, 100-240VAC power input.	$	1,009.00
EASYPOE4P-PMT	NEMA 4/4X Indoor/Outdoor Cabinet with Integrated PoE Switch, power supply, and surge suppressor. Unmanaged Gigabit Ethernet PoE Switch with 4 Gigabit PoE Ports + 1 10/100/1000M RJ45 port. IEEE802.3at 30W with 120W PoE power budget. Wall or Pole Mount, 100-240VAC power input. Pole mounting kit included.	$	1,113.00

EASYPOE8B	NEMA 4/4X Indoor/Outdoor Cabinet with Integrated PoE Switch and power supply. Unmanaged Gigabit Ethernet PoE Switch with 8 Gigabit PoE Ports + 2 SFP ports. IEEE802.3at 30W with 240W PoE power budget. Wall or Pole Mount, 100-240VAC power input.	$	1,148.00
EASYPOE8B-PMT	NEMA 4/4X Indoor/Outdoor Cabinet with Integrated PoE Switch and power supply. Unmanaged Gigabit Ethernet PoE Switch with 8 Gigabit PoE Ports + 2 SFP ports. IEEE802.3at 30W with 240W PoE power budget. Wall or Pole Mount, 100-240VAC power input. Pole mounting kit included.	$	1,252.00
EASYPOE8P	NEMA 4/4X Indoor/Outdoor Cabinet with Integrated PoE Switch, power supply, and surge suppressor. Unmanaged Gigabit Ethernet PoE Switch with 8 Gigabit PoE Ports + 2 SFP ports. IEEE802.3at 30W with 240W PoE power budget. Wall or Pole Mount, 100-240VAC power input.	$	1,287.00
EASYPOE8P-PMT	NEMA 4/4X Indoor/Outdoor Cabinet with Integrated PoE Switch, power supply, and surge suppressor. Unmanaged Gigabit Ethernet PoE Switch with 8 Gigabit PoE Ports + 2 SFP ports. IEEE802.3at 30W with 240W PoE power budget. Wall or Pole Mount, 100-240VAC power input. Pole mounting kit included.	$	1,392.00
EASYPOEBOX2C	NEMA 4/4X Indoor/Outdoor Cabinet with Integrated PoE Switch. Managed Gigabit Ethernet PoE Switch with 2 Gigabit PoE Ports + 2 10/100/1000M RJ45 ports. IEEE802.3bt 90W with 165W PoE power budget. Wall or Pole Mount, 100-240VAC power input.	$	1,664.00
EASYPOEBOX2F	NEMA 4/4X Indoor/Outdoor Cabinet with Integrated PoE Switch. Managed Gigabit Ethernet PoE Switch with 2 Gigabit PoE Ports + 2 100/1000M SFP ports. IEEE802.3bt 90W with 165W PoE power budget. Wall or Pole Mount, 100-240VAC power input.	$	1,802.00
EASYPOEBOX4C	NEMA 4/4X Indoor/Outdoor Cabinet with Integrated PoE Switch. Managed Gigabit Ethernet PoE Switch with 4 Gigabit PoE Ports + 2 10/100/1000M RJ45 ports. IEEE802.3bt 90W with 165W PoE power budget. Wall or Pole Mount, 100-240VAC power input.	$	1,802.00
EASYPOEBOX4F	NEMA 4/4X Indoor/Outdoor Cabinet with Integrated PoE Switch. Managed Gigabit Ethernet PoE Switch with 4 Gigabit PoE Ports + 2 100/1000M SFP ports. IEEE802.3bt 90W with 165W PoE power budget. Wall or Pole Mount, 100-240VAC power input.	$	2,010.00
	Ethernet Extenders		
ED20Kext	Industrial (-25°C - 60°C) SHDSL Ethernet Extender with 1 10/100TX Port to 1 Pair of straight or twisted copper wire. Din Rail Mount. Push-in spring power connector, Power input range 10 - 60VDC.	$	2,079.00
ED20Kext4psw	Industrial (-25°C - 60°C) Managed Switch with 2 SHDSL Ethernet Extender Ports. 4 10/100TX Ports + 2 Copper Pair SHDSL Ports. Din Rail Mount. Push-in spring power connector, Power input range 10 - 60VDC.	$	2,934.00
ED20Kext4psw-11	Industrial (-25°C - 60°C) Managed Switch with 2 SHDSL Ethernet Extender Ports. 4 10/100TX Ports + 2 Copper Pair SHDSL Ports (RJ-11). Din Rail Mount. Push-in spring power connector, Power input range 10 - 60VDC.	$	3,018.00
ED3501	Industrial (-10°C - 60°C) VDSL2 Ethernet Extender with 1 10/100TX Port to 1 Pair of straight or twisted copper wire. Shelf, Panel or Chassis Mount, Power Supply Included 100 VAC - 240VAC.	$	347.00
ED3501-D	Industrial (-10°C - 60°C) VDSL2 Ethernet Extender with 1 10/100TX Port to 1 Pair of straight or twisted copper wire. Din-Rail Mounting, Power Supply Included 100 VAC - 240VAC.	$	345.00
ED3538	Hardened (-40°C - 75°C) Power over Link (PoL) Ethernet Extender Kit. Includes ED3538T & ED3538R, Extends Ethernet over 1 Pair of straight or twisted wire. Din Rail or Panel Mount. Terminal Block Power Connections, Power Supply 48VDC.	$	1,231.00
ED3538R	Hardened (-40°C - 75°C) Ethernet Extender Extends Ethernet over 1 Pair of straight or twisted wire. Din Rail or Panel Mount. PoL or Terminal Block Power, 48VDC. Receives power from a companion ED3538T and provides PoE on the Ethernet Port 30W.	$	666.00

ED3538T	Hardened (-40°C - 75°C) Power over Link (PoL) Ethernet Extender Extends Ethernet over 1 Pair of straight or twisted wire. Din Rail or Panel Mount. Terminal Block Power Connections, Power Supply 48VDC. Provides Power over Link (PoL) to a companion device ED3538R.	$	666.00
ED3541	Hardened (-40°C - 75°C) VDSL2 Ethernet Extender with 1 10/100TX Port to 1 Pair of straight or twisted copper wire. Din Rail or Panel Mount. Terminal Block power connector, power input range 12 - 48VDC.	$	520.00
ED3575-622	Hardened (-40°C - 75°C) Managed Switch with 2 VDSL2 Ethernet Extender ports. 6 10/100TX, + Gigabit SFP Combo + 2 Copper Pair VDSL2 Ports. Din Rail or Panel Mount. Terminal Block power connector, redundant 12 - 48VDC power input.	$	1,941.00
ED3575-622-CC	Hardened (-40°C - 75°C) Managed Switch with 2 VDSL2 Ethernet Extender ports. 6 10/100TX, + Gigabit SFP Combo + 2 Copper Pair VDSL2 Ports. Din Rail or Panel Mount. Terminal Block power connector, redundant 12 - 48VDC power input. Conformal coating	$	2,426.00
	20 and 28 Port Layer 3 Managed Hardened Switches:		
EG97023-2VCR	Hardened (-40°C - 75°C) Managed 20 Port Layer 3 Ethernet Switch, 8 GE SFP Ports + 12 1G/10G SFP+ Ports, Rack Mount, Redundant Internal Universal 100-240VAC Power Supply, IEC Power Connector	$	20,925.00
EG97244-4VCR	Hardened (-40°C - 75°C) Managed 28 Port Layer 3 Ethernet Switch, 28 GE Ports (8 GE RJ45 + 16 GE 100/1000 SFP Ports) + 4 1G/10G SFP+ Ports, Rack Mount, Redundant Internal Universal 10-240VAC Power Supply, IEC Power Connector	$	11,783.00
EG97244-4VTR	Hardened (-40°C - 75°C) Managed 28 Port Layer 3 Ethernet Switch, 28 GE Ports (8 GE RJ45 + 16 GE 100/1000 SFP Ports) + 4 1G/10G SFP+ Ports, Rack Mount, Redundant ±48VDC Terminal Block Power Input	$	11,783.00
EG97244-4VWR	Hardened (-40°C - 75°C) Managed 28 Port Layer 3 Ethernet Switch, 28 GE Ports (8 GE RJ45 + 16 GE 100/1000 SFP Ports) + 4 1G/10G SFP+ Ports, Rack Mount, Redundant Internal 100 - 240VAC Redundant (Terminal Block)	$	11,783.00
	Media Converters:		
EL1141-10B	Hardened (-40°C - 75°C) Media Converter 1 10/100TX port to 1 100FX Fiber port. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with IEC61850 & IEEE1613	$	336.00
EL1141-20B	Hardened (-40°C - 75°C) Media Converter 1 10/100TX port to 1 100FX Fiber port. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with IEC61850 & IEEE1613	$	336.00
EL1141-50B	Hardened (-40°C - 75°C) Media Converter 1 10/100TX port to 1 100FX Fiber port. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with IEC61850 & IEEE1613	$	358.00
EL1141-60B	Hardened (-40°C - 75°C) Media Converter 1 10/100TX port to 1 100FX Fiber port. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with IEC61850 & IEEE1613	$	460.00
EL1141-70B	Hardened (-40°C - 75°C) Media Converter 1 10/100TX port to 1 100FX Fiber port. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with IEC61850 & IEEE1613	$	482.00
EL1141-A0B	Hardened (-40°C - 75°C) Media Converter 1 10/100TX port to 1 100FX Fiber port. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with IEC61850 & IEEE1613	$	470.00
EL1141-B0B	Hardened (-40°C - 75°C) Media Converter 1 10/100TX port to 1 100FX Fiber port. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with IEC61850 & IEEE1613	$	879.00
EL1141-H0B	Hardened (-40°C - 75°C) Media Converter 1 10/100TX port to 1 100FX Fiber port. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with IEC61850 & IEEE1613	$	470.00
EL1141-M0B	Hardened (-40°C - 75°C) Media Converter 1 10/100TX port to 1 100FX Fiber port. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with IEC61850 & IEEE1613	$	493.00

EL1141-N0B	Hardened (-40°C - 75°C) Media Converter 1 10/100TX port to 1 100FX Fiber port. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with IEC61850 & IEEE1613	$	901.00
EL1142-10B	IEC 61850-3/IEEE 1613 Hardened 2-Port 10/100BASE-TX to 2-Port 100BASE-FX Media Converter. Multi Mode (SC) - 2Km (1310nm)	$	555.00
EL1142-20B	IEC 61850-3/IEEE 1613 Hardened 2-Port 10/100BASE-TX to 2-Port 100BASE-FX Media Converter. Multi Mode (ST) - 2Km (1310nm)	$	555.00
EL1142-A0B	IEC 61850-3/IEEE 1613 Hardened 2-Port 10/100BASE-TX to 2-Port 100BASE-FX Media Converter. Single Mode (SC) - 20Km (1310nm)	$	711.00
EL1142-B0B	IEC 61850-3/IEEE 1613 Hardened 2-Port 10/100BASE-TX to 2-Port 100BASE-FX Media Converter. Single Mode (SC) - 40Km (1310nm)	$	913.00
EL1142-H0B	IEC 61850-3/IEEE 1613 Hardened 2-Port 10/100BASE-TX to 2-Port 100BASE-FX Media Converter. Single Mode (ST) - 20Km (1310nm).	$	711.00
EL2242-BT	Hardened (-40°C - 75°C) Media Converter,1 Gigabit 802.3bt PoE+ RJ45 Port to 1 100/1000 Dual Rate SFP slot. Din-Rail mount, 52-56VDC power, redundant power input.	$	416.00
EL2242-V1B	Hardended (-40°C - 75°C) Media Converter,1 Gigabit 802.3at PoE+ RJ45 Port to 1 100/1000 Dual Rate SFP slot. Din-Rail mount, 48-57VDC power redundant power input.	$	451.00
EL8000-31E	Hardened 1000BASE-TX to 1000BASE-SX/LX/BX/SFP Media Converter	$	427.00
EL8000-41E	Hardened 1000BASE-TX to 1000BASE-SX/LX/BX/SFP Media Converter	$	597.00
EL8000-51E	Hardened 1000BASE-TX to 1000BASE-SX/LX/BX/SFP Media Converter	$	427.00
EL8000-A1E	Hardened 1000BASE-TX to 1000BASE-SX/LX/BX/SFP Media Converter	$	533.00
EL8000-B1E	Hardened 1000BASE-TX to 1000BASE-SX/LX/BX/SFP Media Converter	$	640.00
EL8000-R1E	Hardened 1000BASE-TX to 1000BASE-SX/LX/BX/SFP Media Converter	$	1,506.00
EL8000-S1E	Hardened 1000BASE-TX to 1000BASE-SX/LX/BX/SFP Media Converter	$	1,506.00
EL8000-V1E	Hardened 1000BASE-TX to 1000BASE-SX/LX/BX/SFP Media Converter	$	314.00
EL8020-V1E	Hardened (-40°C - 75°C) 1 10/100/1000TX port to 1 100/1000 SFP port Media Converter. Din Rail Mount. Terminal Block Power Connector (12VDC - 48VDC). .	$	326.00
EL8100-31E	Hardened (-40°C - 75°C) Media Converter with 1 10/100/1000TX port to 1 Gigabit Fiber port. DIN Rail Mount, Terminal Block Power 12VDC - 48VDC.	$	549.00
EL8100-41E	Hardened (-40°C - 75°C) Media Converter with 1 10/100/1000TX port to 1 Gigabit Fiber port. DIN Rail Mount, Terminal Block Power 12VDC - 48VDC. 1 x 10/100/1000T & 1 x 1000SX, 2km, SC	$	640.00
EL8100-51E	Hardened (-40°C - 75°C) Media Converter with 1 10/100/1000TX port to 1 Gigabit Fiber port. DIN Rail Mount, Terminal Block Power 12VDC - 48VDC	$	549.00
EL8100-A1E	Hardened (-40°C - 75°C) Media Converter with 1 10/100/1000TX port to 1 Gigabit Fiber port. DIN Rail Mount, Terminal Block Power 12VDC - 48VDC.	$	586.00
EL8100-B1E	Hardened (-40°C - 75°C) Media Converter with 1 10/100/1000TX port to 1 Gigabit Fiber port. DIN Rail Mount, Terminal Block Power 12VDC - 48VDC.	$	640.00
EL8100-I1E	Hardened (-40°C - 75°C) Media Converter with 1 10/100/1000TX port to 1 Gigabit Fiber port. DIN Rail Mount, Terminal Block Power 12VDC - 48VDC.	$	615.00
EL8100-R1E	Hardened (-40°C - 75°C) Media Converter with 1 10/100/1000TX port to 1 Gigabit Fiber port. DIN Rail Mount, Terminal Block Power 12VDC - 48VDC.	$	693.00
EL8100-S1E	Hardened (-40°C - 75°C) Media Converter with 1 10/100/1000TX port to 1 Gigabit Fiber port. DIN Rail Mount, Terminal Block Power 12VDC - 48VDC.	$	693.00
EL900-A-B-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	277.00
EL900-A-B-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	269.00
EL900-A-B-1-C	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. 24 VAC Terminal Block Power, Complies with U/L 1604	$	296.00

	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC)		
EL900-A-C-1-A	Complies with U/L 1604	$	277.00
EL900-A-C-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	269.00
EL900-A-C-1-C	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. 24 VAC Terminal Block Power Connector, Complies with U/L 1604	$	296.00
EL900-A-D-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	672.00
EL900-A-D-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	672.00
EL900-A-D-1-C	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. 24VAC Terminal Block Complies with U/L 1604	$	672.00
EL900-A-E-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	700.00
EL900-A-E-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	700.00
EL900-A-E-1-C	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. 24VAC Terminal Block Complies with U/L 1604	$	700.00
EL900-A-F-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	784.00
EL900-A-F-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	784.00
EL900-A-G-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	812.00
EL900-A-G-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	812.00
EL900-A-H-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	291.00
EL900-A-H-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	291.00
EL900-A-J-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	425.00
EL900-A-J-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	425.00
EL900-A-M-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	403.00
EL900-A-M-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	403.00
EL900-A-M-1-B-CC	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604. Conformal coating	$	504.00
EL900-A-M-1-C	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. 24 VAC Terminal Block Power Connector, Complies with U/L 1604	$	431.00
EL900-A-N-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	409.00

EL900-A-N-1-B	Hardened (-40°C - 75°C) 1 port 10/100TX to 1 port 100FX Fiber Port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	403.00
EL900-A-N-1-C	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. 24 VAC Terminal Block Power Connector, Complies with U/L 1604	$	431.00
EL900-A-O-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	549.00
EL900-A-O-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	549.00
EL900-A-P-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	661.00
EL900-A-P-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	661.00
EL900-A-Q-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	728.00
EL900-A-Q-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	728.00
EL900-A-Q-1-C	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. 24VAC Terminal Block Power Connector. Complies with U/L 1604	$	728.00
EL900-A-R-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	885.00
EL900-A-R-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	885.00
EL900-A-R-1-C	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. 24VAC Terminal Block Power Connector. Complies with U/L 1604	$	885.00
EL900-A-S-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	952.00
EL900-A-S-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	952.00
EL900-A-T-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	985.00
EL900-A-T-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	985.00
EL900-A-U-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	672.00
EL900-A-V-1-A	Hardened (-40°C - 75°C) 1 port 10/100TX to 1 port 100FX Fiber Port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	672.00
EL900-A-X-1-A	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. Terminal Block Power Connector (10VDC - 48VDC) Complies with U/L 1604	$	1,176.00
EL900-A-X-1-B	Hardened (-40°C - 75°C) 1 10/100TX port to 1 100FX Fiber port Media Converter. Din Rail or Panel Mount. DC Jack Power Connector (12VDC) Complies with U/L 1604	$	1,176.00
	Power Supplies:		
EPOW-24-60	Power Supply, Hardened (-40C - +75C) External 100-277 VAC Input; TS2 rated; 60W, 24VDC, 0-2.5A	$	132.00

EPOW-24-60-A	Power Supply, Hardened (-40C - +75C) External 100-277 VAC Input; TS2 rated; 60W, 24VDC 2.5mm DC Jack, 0-2.5A	$	132.00
EPOW-54-240	Power Supply, Hardened (-40C - +75C) External 100-277 VAC Input; TS2 rated; 240W, 54VDC	$	243.00
EPOW-54-600	Power Supply, Hardened (-40C - +75C) External 100-277 VAC Input; TS2 rated; 600W, 54VDC, 0-11.1A	$	347.00
EX-779-PC	Power Supply, screw-in module for EX77964-8XC or 8XCR only	$	312.00
EX41-2400A240	Spare power supply module for EX77900 series, AC inlet, 100-240VAC	$	351.00
EX41-2750A240	Spare power supply module for EG97000 and EG99000 series, AC inlet, 100-240VAC, 75W	$	466.00
	Wireless Bridges and Access Points:		
EW75000-08	Hardened (-40°C - 75°C) Managed IP67 Single Band 802.11ac, Wireless Bridge/Access Point with 5GHz/8dBiOmni Directional Antenna. Powered by 802.3af/at PoE	$	1,044.00
EW75000-13	Hardened (-40°C - 75°C) Managed IP67 Single Band 802.11ac, Wireless Bridge with 5GHz/19dBi Internal Panel Antenna. Powered by 802.3af/at PoE	$	963.00
EW75000-13MP	Hardened (-40°C - 75°C) Managed IP67 Single Band 802.11ac, Wireless Access Point with 5GHz/19dBi Internal Panel Antenna. Powered by 802.3af/at PoE	$	1,044.00
EW75200-1308	Hardened (-40°C - 75°C) Managed IP67 Dual Band 802.11ac, Wireless Bridge/Access Point with 5GHz/19dBi Internal Panel Antenna and 5GHz/8dBi Omni Directional Antenna. Powered by 802.3af/at PoE	$	1,205.00
	Hardened Unmanaged Switches:		
EX41922	Hardened (-40°C to 75°C) Unmanaged 4 port Ethernet switch, 2 Gigabit RJ45 + 2 Dual Rate 100/1000 SFP ports. Din-Rail Mount, Redundant 12-48VDC Power Input, Port Fault & Power Failure Alarm Relay.	$	351.00
EX41922-T	Hardened (-40°C to 75°C) Unmanaged 4 port Ethernet switch, 2 802.3at PoE Gigabit ports + 2 Dual Rate 100/1000 SFP ports. 60W PoE Power Budget, Din-Rail Mount, Redundant 12-48VDC Power Input, Port Fault & Power Failure Alarm Relay.	$	457.00
EX41941	5 Port Hardened (-40°C - 75°C) PoE+ Ethernet Switch 4 10/100/1000 BaseT 802.3at PoE Ports + 1 Gigabit RJ45 Port, 120W PoE Power Budget, DIN Rail Mounting, 52-56VDC Terminal Block Power Input, Power supply sold separately.	$	319.00
EX41941F	5 Port Hardened (-40°C - 75°C) PoE+ Ethernet Switch 4 10/100/1000 BaseT 802.3at PoE Ports + 1 Gigabit RJ45 Port, Flat Enclosure, 120W PoE Power Budget, DIN Rail Mounting, 52-56VDC Terminal Block Power Input, Power supply sold separately.	$	319.00
EX42008	Hardened (-40°C - 75°C) 8 10/100TX Ports, Unmanaged Ethernet Switch, DIN Rail Mount, Terminal Block Power Connector (12VDC - 48DC)	$	168.00
EX42017-1A	Hardened (-40°C - 75°C) 7 10/100TX + 1 100FX Fixed Fiber Port Unmanaged Ethernet Switch, DIN Rail Mount, Terminal Block Power Connector (12VDC - 48DC)	$	280.00
EX42017-1B	Hardened (-40°C - 75°C) 7 10/100TX + 1 100FX Fixed Fiber Port Unmanaged Ethernet Switch, DIN Rail Mount, Terminal Block Power Connector (12VDC - 48DC)	$	280.00
EX42017-2A	Hardened (-40°C - 75°C) 7 10/100TX + 1 100FX Fixed Fiber Port Unmanaged Ethernet Switch, DIN Rail Mount, Terminal Block Power Connector (12VDC - 48DC)	$	408.00
EX42017-2D	Hardened (-40°C - 75°C) 7 10/100TX + 1 100FX Fixed Fiber Port Unmanaged Ethernet Switch, DIN Rail Mount, Terminal Block Power Connector (12VDC - 48DC)	$	408.00
EX42017-2E	Hardened (-40°C - 75°C) 7 10/100TX + 1 100FX Fixed Fiber Port Unmanaged Ethernet Switch, DIN Rail Mount, Terminal Block Power Connector (12VDC - 48DC)	$	543.00
EX42017-2G	Hardened (-40°C - 75°C) 7 10/100TX + 1 100FX Fixed Fiber Port Unmanaged Ethernet Switch, DIN Rail Mount, Terminal Block Power Connector (12VDC - 48DC)	$	577.00
EX42305	5 Port Hardened (-40°C - 75°C) PoE+ Ethernet Switch 4 10/100 BaseT 802.3at PoE Ports + 1 Gigabit Port, 120W PoE Power Budget, DIN Rail Mounting , Supports QoS, EEE, 24/48VDC Terminal Block Power Input, Power supply sold separately.	$	666.00
EX42315-V	6 Port Hardened (-40°C - 75°C) PoE+ Ethernet Switch 4 10/100 BaseT 802.3at PoE Ports + 1 Gigabit RJ45 Port + 1 SFP Port, 120W PoE Power Budget, DIN Rail Mounting , Supports QoS, EEE, 24/48VDC Terminal Block Power Input, Power supply sold separately.	$	739.00

EX42395AT	6 Port Hardened (-40°C - 75°C) PoE+ Ethernet Switch 4 10/100/1000 BaseT 802.3at PoE Ports + 1 Combo Gigabit RJ45/SFP Port + 1 Gigabit SFP Port, 120W PoE Power Budget, DIN Rail Mounting, 52-56VDC Terminal Block Power Input, Power supply sold separately.	$	427.00
EX42395BT	6 Port Hardened (-40°C - 75°C) PoE+ Ethernet Switch 4 10/100/1000 BaseT 802.3bt PoE Ports + 1 Combo Gigabit RJ45/SFP Port + 1 Gigabit SFP Port, 240W PoE Power Budget, DIN Rail Mounting, 52-56VDC Terminal Block Power Input, Power supply sold separately.	$	624.00
EX42905	Hardended (-40°C - 75°C) Unmanaged 5 Port Gigabit DIN Rail Switch, Supports QoS, EEE, 12-48VDC Terminal Block Power Input	$	402.00
EX42908	Hardended (-40°C - 75°C) Unmanaged 8 Port Gigabit DIN Rail Switch, Supports QoS, EEE, 12-48VDC Terminal Block Power Input	$	525.00
EX42914-3	Hardened (-40°C - 75°C) Unmanaged 4 Port Gigabit + 1 Gigabit Fiber, DIN Rail Mounting, Supports QoS, EEE, 12-48VDC Terminal Block Input	$	569.00
EX42914-5	Hardened (-40°C - 75°C) Unmanaged 4 Port Gigabit + 1 Gigabit Fiber, DIN Rail Mounting, Supports QoS, EEE, 12-48VDC Terminal Block Input	$	569.00
EX42914-A	Hardened (-40°C - 75°C) Unmanaged 4 Port Gigabit + 1 Gigabit Fiber, DIN Rail Mounting, Supports QoS, EEE, 12-48VDC Terminal Block Input	$	659.00
EX42914-R	Hardened (-40°C - 75°C) Unmanaged 4 Port Gigabit + 1 Gigabit Fiber, DIN Rail Mounting, Supports QoS, EEE, 12-48VDC Terminal Block Input	$	1,058.00
EX42914-S	Hardened (-40°C - 75°C) Unmanaged 4 Port Gigabit + 1 Gigabit Fiber, DIN Rail Mounting, Supports QoS, EEE, 12-48VDC Terminal Block Input	$	1,114.00
EX42917-3	Hardened (-40°C - 75°C) Unmanaged 7 Port Gigabit + 1 Gigabit Fiber, DIN Rail Mounting, Supports QoS, EEE, 12-48VDC Terminal Block Input	$	693.00
EX42917-5	Hardened (-40°C - 75°C) Unmanaged 7 Port Gigabit + 1 Gigabit Fiber, DIN Rail Mounting, Supports QoS, EEE, 12-48VDC Terminal Block Input	$	693.00
EX42917-A	Hardened (-40°C - 75°C) Unmanaged 7 Port Gigabit + 1 Gigabit Fiber, DIN Rail Mounting, Supports QoS, EEE, 12-48VDC Terminal Block Input	$	783.00
EX42917-R	Hardened (-40°C - 75°C) Unmanaged 7 Port Gigabit + 1 Gigabit Fiber, DIN Rail Mounting, Supports QoS, EEE, 12-48VDC Terminal Block Input	$	1,182.00
EX42917-S	Hardened (-40°C - 75°C) Unmanaged 7 Port Gigabit + 1 Gigabit Fiber, DIN Rail Mounting, Supports QoS, EEE, 12-48VDC Terminal Block Input	$	1,237.00
EX46908A-0-J	Hardened (-40°C - 75°C) Unmanaged 8-port 802.3at PoE+ Gigabit Ethernet Switch. DIN Rail Mount, Terminal Block, 18 - 57 VDC Power Input, 120W PoE Power Budget.	$	666.00
EX46928A-3-J	Hardened (-40°C - 75°C) Unmanaged 10 -Port Gigabit Ethernet PoE+ Switch, 8 802.3at PoE+ Ports, 2 1000Base Fiber Ports, DIN Rail Mount, Terminal Block, 18 - 57 VDC Power Input, 120W PoE Power Budget.	$	1,433.00
EX46928A-4-J	Hardened (-40°C - 75°C) Unmanaged 10 -Port Gigabit Ethernet PoE+ Switch, 8 802.3at PoE+ Ports, 2 1000Base Fiber Ports, DIN Rail Mount, Terminal Block, 18 - 57 VDC Power Input, 120W PoE Power Budget.	$	1,714.00
EX46928A-5-J	Hardened (-40°C - 75°C) Unmanaged 10 -Port Gigabit Ethernet PoE+ Switch, 8 802.3at PoE+ Ports, 2 1000Base Fiber Ports, DIN Rail Mount, Terminal Block, 18 - 57 VDC Power Input, 120W PoE Power Budget.	$	1,433.00
EX46928A-A-J	Hardened (-40°C - 75°C) Unmanaged 10 -Port Gigabit Ethernet PoE+ Switch, 8 802.3at PoE+ Ports, 2 1000Base Fiber Ports, DIN Rail Mount, Terminal Block, 18 - 57 VDC Power Input, 120W PoE Power Budget.	$	1,612.00
EX46928A-B-J	Hardened (-40°C - 75°C) Unmanaged 10 -Port Gigabit Ethernet PoE+ Switch, 8 802.3at PoE+ Ports, 2 1000Base Fiber Ports, DIN Rail Mount, Terminal Block, 18 - 57 VDC Power Input, 120W PoE Power Budget.	$	1,714.00
EX46928A-R-J	Hardened (-40°C - 75°C) Unmanaged 10 -Port Gigabit Ethernet PoE+ Switch, 8 802.3at PoE+ Ports, 2 1000Base Fiber Ports, DIN Rail Mount, Terminal Block, 18 - 57 VDC Power Input, 120W PoE Power Budget.	$	2,408.00
EX46928A-S-J	Hardened (-40°C - 75°C) Unmanaged 10 -Port Gigabit Ethernet PoE+ Switch, 8 802.3at PoE+ Ports, 2 1000Base Fiber Ports, DIN Rail Mount, Terminal Block, 18 - 57 VDC Power Input, 120W PoE Power Budget.	$	2,520.00

EX46928A-V-J	Hardened (-40°C - 75°C) Unmanaged 10 -Port Gigabit Ethernet PoE+ Switch, 8 802.3at PoE+ Ports, 2 1000Base SFP Ports, DIN Rail Mount, Terminal Block, 18 - 57 VDC Power Input, 120W PoE Power Budget.	$	778.00
EX94008-00-1-AA	Hardened (-40°C ~ 75°C) Unmanaged 8-port 10/100BASE-TX Ethernet Switch. DIN Rail Mount, Terminal Block with Alarm Relay (12~48VDC) Power Input, Power Supply sold Separately.	$	303.00
EX94014-1A-1-AA	Hardened (-40°C ~ 75°C) Unmanaged Ethernet Switch with 4 10/100BASE-TX Ports + 1 100FX (SC MM 2km) Fiber Port. Terminal Block Power Input (12VDC - 48VDC) with Alarm Relay. Power supply sold separately.	$	386.00
EX94014-1B-1-AA	Hardened (-40°C ~ 75°C) Unmanaged Ethernet Switch with 4 10/100BASE-TX Ports + 1 100FX (ST MM 2km) Fiber Port. Terminal Block Power Input (12VDC - 48VDC) with Alarm Relay. Power supply sold separately.	$	386.00
EX94014-V-1-AA	Hardened (-40°C ~ 75°C) Unmanaged Ethernet Switch with 4 10/100BASE-TX Ports + 1 100BASE SFP Port. Terminal Block Power Input (12VDC - 48VDC) with Alarm Relay. Power supply sold separately.	$	386.00
EX94026-1A-1-AA	Hardened (-40°C ~ 75°C) Unmanaged 6-port 10/100BASE-TX + 2-port 100FX MM (SC) Ethernet Switch. DIN Rail Mount, Terminal Block with Alarm Relay (12~48VDC) Power Input, Power supply sold seperately	$	549.00
EX94026-1B-1-AA	Hardened (-40°C ~ 75°C) Unmanaged 6-port 10/100BASE-TX + 2-port 100 MM(ST) Ethernet Switch. DIN Rail Mount, Terminal Block with Alarm Relay (12~48VDC), Power supply sold separately.	$	549.00
EX94026-2A-1-AA	Hardened (-40°C ~ 75°C) Unmanaged 6-port 10/100BASE-TX + 2-port 100 SM(SC) 20Km Ethernet Switch. DIN Rail Mount, Terminal Block with Alarm Relay (12~48VDC), Power Supply sold separately.	$	796.00
EX94026-2D-1-AA	Hardened (-40°C ~ 75°C) Unmanaged 6-port 10/100BASE-TX + 2-port 100 SM(ST) 20Km Ethernet Switch. DIN Rail Mount, Terminal Block with Alarm Relay (12~48VDC), Power Supply sold separately.	$	796.00
EX94026-2E-1-AA	Hardened (-40°C ~ 75°C) Unmanaged 6-port 10/100BASE-TX + 2-port 100 SM(SC)WDM-TX:1310nm/RX:1550nm 20Km Ethernet Switch. DIN Rail Mount, Terminal Block with Alarm Relay (12~48VDC)	$	1,109.00
EX94026-2G-1-AA	Hardened (-40°C ~ 75°C) Unmanaged 6-port 10/100BASE-TX + 2-port 100 SM(SC) WDM-TX-1550nm/RX:1310nm 20Km Ethernet Switch. DIN Rail Mount, Terminal Block with Alarm Relay (12~48VDC)	$	1,221.00
EX94026-V-1-AA	Hardened (-40°C ~ 75°C) Unmanaged 6-port 10/100BASE-TX + 2-port 100 SFP Ethernet Switch. DIN Rail Mount, Terminal Block with Alarm Relay (12~48VDC)	$	437.00
EX95142-10B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 14 10/100TX Ports + 2 100FX Fiber Ports. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	761.00
EX95142-20B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 14 10/100TX Ports + 2 100FX Fiber Ports. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	761.00
EX95142-A0B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 14 10/100TX Ports + 2 100FX Fiber Ports. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	1,008.00
EX95142-B0B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 14 10/100TX Ports + 2 100FX Fiber Ports. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	1,199.00
EX95142-H0B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 14 10/100TX Ports + 2 100FX Fiber Ports. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	1,008.00
EX95142-P0B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 14 10/100TX Ports + 2 100FX Fiber Ports. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	1,321.00
EX95142-Q0B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 14 10/100TX Ports + 2 100FX Fiber Ports. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	1,433.00

EX95142-R0B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 14 10/100TX Ports + 2 100FX Fiber Ports. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	1,993.00
EX95142-S0B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 14 10/100TX Ports + 2 100FX Fiber Ports. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	2,127.00
EX95151-10B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 15 10/100TX Ports + 1 100FX Fiber Port. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	639.00
EX95151-20B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 15 10/100TX Ports + 1 100FX Fiber Port. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	639.00
EX95151-A0B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 15 10/100TX Ports + 1 100FX Fiber Port. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	761.00
EX95151-B0B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 15 10/100TX Ports + 1 100FX Fiber Port. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	856.00
EX95151-H0B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 15 10/100TX Ports + 1 100FX Fiber Port. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	761.00
EX95151-P0B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 15 10/100TX Ports + 1 100FX Fiber Port. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	918.00
EX95151-Q0B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 15 10/100TX Ports + 1 100FX Fiber Port. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	975.00
EX95151-R0B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 15 10/100TX Ports + 1 100FX Fiber Port. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	1,254.00
EX95151-S0B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 15 10/100TX Ports + 1 100FX Fiber Port. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	1,321.00
EX95160-00B	Hardened (-40°C - 75°C) Unmanaged Ethernet Switch with 16 10/100TX Ports. DIN Rail Mount Terminal Block and DC Jack Power Connector (12VDC - 32VDC).	$	515.00
	Hardened Web-Smart Switches		
EX46162-10B	Hardened (-40°C - 75°C) Web-Smart 6 10/100TX Ports (4 PoE+) + 2 100FX Fiber Ports Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,187.00
EX46162-20B	Hardened (-40°C - 75°C) Web-Smart 6 10/100TX Ports (4 PoE+) + 2 100FX Fiber Ports Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,187.00
EX46162-A0B	Hardened (-40°C - 75°C) Web-Smart 6 10/100TX Ports (4 PoE+) + 2 100FX Fiber Ports Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,445.00
EX46162-B0B	Hardened (-40°C - 75°C) Web-Smart 6 10/100TX Ports (4 PoE+) + 2 100FX Fiber Ports Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,646.00
EX46162-H0B	Hardened (-40°C - 75°C) Web-Smart 6 10/100TX Ports (4 PoE+) + 2 100FX Fiber Ports Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,445.00
EX46162-P0B	Hardened (-40°C - 75°C) Web-Smart 6 10/100TX Ports (4 PoE+) + 2 100FX Fiber Ports Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,769.00

EX46162-Q0B	Hardened (-40°C - 75°C) Web-Smart 6 10/100TX Ports (4 PoE+) + 2 100FX Fiber Ports Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,881.00
EX46162-R0B	Hardened (-40°C - 75°C) Web-Smart 6 10/100TX Ports (4 PoE+) + 2 100FX Fiber Ports Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	2,441.00
EX46162-S0B	Hardened (-40°C - 75°C) Web-Smart 6 10/100TX Ports (4 PoE+) + 2 100FX Fiber Ports Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	2,575.00
EX46171-10B	Hardened (-40°C - 75°C) Web-Smart 7 10/100TX Ports (4 PoE+) + 1 100FX Fiber Port Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,075.00
EX46171-20B	Hardened (-40°C - 75°C) Web-Smart 7 10/100TX Ports (4 PoE+) + 1 100FX Fiber Port Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,075.00
EX46171-60B	Hardened (-40°C - 75°C) Web-Smart 7 10/100TX Ports (4 PoE+) + 1 100FX Fiber Port Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,204.00
EX46171-70B	Hardened (-40°C - 75°C) Web-Smart 7 10/100TX Ports (4 PoE+) + 1 100FX Fiber Port Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,247.00
EX46171-80B	Hardened (-40°C - 75°C) Web-Smart 7 10/100TX Ports (4 PoE+) + 1 100FX Fiber Port Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,276.00
EX46171-90B	Hardened (-40°C - 75°C) Web-Smart 7 10/100TX Ports (4 PoE+) + 1 100FX Fiber Port Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,333.00
EX46171-A0B	Hardened (-40°C - 75°C) Web-Smart 7 10/100TX Ports (4 PoE+) + 1 100FX Fiber Port Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,204.00
EX46171-B0B	Hardened (-40°C - 75°C) Web-Smart 7 10/100TX Ports (4 PoE+) + 1 100FX Fiber Port Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,304.00
EX46171-H0B	Hardened (-40°C - 75°C) Web-Smart 7 10/100TX Ports (4 PoE+) + 1 100FX Fiber Port Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,204.00
EX46171-P0B	Hardened (-40°C - 75°C) Web-Smart 7 10/100TX Ports (4 PoE+) + 1 100FX Fiber Port Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,366.00
EX46171-Q0B	Hardened (-40°C - 75°C) Web-Smart 7 10/100TX Ports (4 PoE+) + 1 100FX Fiber Port Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,423.00
EX46171-R0B	Hardened (-40°C - 75°C) Web-Smart 7 10/100TX Ports (4 PoE+) + 1 100FX Fiber Port Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,702.00
EX46171-S0B	Hardened (-40°C - 75°C) Web-Smart 7 10/100TX Ports (4 PoE+) + 1 100FX Fiber Port Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	1,769.00
EX46180-00B	Hardened (-40°C - 75°C) Web-Smart 8 10/100TX Ports (4 PoE+) Ethernet Switch. Din Rail or Panel Mount, Power Terminal Block and DC Jack 48VDC	$	963.00
	Hardened Managed Switches		
EX48041-10B	5 Port Hardened (-40°C - 75°C) Managed PoE Ethernet Switch, 4 10/100 PoE 30W ports, 120W PoE power budget, + 1 100FX Fiber port. Desktop or Wall Mount, DC Jack & Terminal Block Power Connector (47VDC - 57VDC)	$	751.00
EX48041-20B	5 Port Hardened (-40°C - 75°C) Managed PoE Ethernet Switch, 4 10/100 PoE 30W ports, 120W PoE power budget, + 1 100FX Fiber port. Desktop or Wall Mount, DC Jack & Terminal Block Power Connector (47VDC - 57VDC)	$	751.00
EX48041-60B	5 Port Hardened (-40°C - 75°C) Managed PoE Ethernet Switch, 4 10/100 PoE 30W ports, 120W PoE power budget, + 1 100FX Fiber port. Desktop or Wall Mount, DC Jack & Terminal Block Power Connector (47VDC - 57VDC)	$	907.00
EX48041-70B	5 Port Hardened (-40°C - 75°C) Managed PoE Ethernet Switch, 4 10/100 PoE 30W ports, 120W PoE power budget, + 1 100FX Fiber port. Desktop or Wall Mount, DC Jack & Terminal Block Power Connector (47VDC - 57VDC)	$	941.00
EX48041-80B	5 Port Hardened (-40°C - 75°C) Managed PoE Ethernet Switch, 4 10/100 PoE 30W ports, 120W PoE power budget, + 1 100FX Fiber port. Desktop or Wall Mount, DC Jack & Terminal Block Power Connector (47VDC - 57VDC)	$	952.00
EX48041-90B	5 Port Hardened (-40°C - 75°C) Managed PoE Ethernet Switch, 4 10/100 PoE 30W ports, 120W PoE power budget, + 1 100FX Fiber port. Desktop or Wall Mount, DC Jack & Terminal Block Power Connector (47VDC - 57VDC)	$	997.00

EX48041-A0B	5 Port Hardened (-40°C - 75°C) Managed PoE Ethernet Switch, 4 10/100 PoE 30W ports, 120W PoE power budget, + 1 100FX Fiber port. Desktop or Wall Mount, DC Jack & Terminal Block Power Connector (47VDC - 57VDC)	$	975.00
EX48041-B0B	5 Port Hardened (-40°C - 75°C) Managed PoE Ethernet Switch, 4 10/100 PoE 30W ports, 120W PoE power budget, + 1 100FX Fiber port. Desktop or Wall Mount, DC Jack & Terminal Block Power Connector (47VDC - 57VDC)	$	1,199.00
EX48041-H0B	5 Port Hardened (-40°C - 75°C) Managed PoE Ethernet Switch, 4 10/100 PoE 30W ports, 120W PoE power budget, + 1 100FX Fiber port. Desktop or Wall Mount, DC Jack & Terminal Block Power Connector (47VDC - 57VDC)	$	975.00
EX48041-P0B	5 Port Hardened (-40°C - 75°C) Managed PoE Ethernet Switch, 4 10/100 PoE 30W ports, 120W PoE power budget, + 1 100FX Fiber port. Desktop or Wall Mount, DC Jack & Terminal Block Power Connector (47VDC - 57VDC)	$	2,508.00
EX48041-Q0B	5 Port Hardened (-40°C - 75°C) Managed PoE Ethernet Switch, 4 10/100 PoE 30W ports, 120W PoE power budget, + 1 100FX Fiber port. Desktop or Wall Mount, DC Jack & Terminal Block Power Connector (47VDC - 57VDC)	$	2,732.00
EX48041-R0B	5 Port Hardened (-40°C - 75°C) Managed PoE Ethernet Switch, 4 10/100 PoE 30W ports, 120W PoE power budget, + 1 100FX Fiber port. Desktop or Wall Mount, DC Jack & Terminal Block Power Connector (47VDC - 57VDC)	$	3,292.00
EX48041-S0B	5 Port Hardened (-40°C - 75°C) Managed PoE Ethernet Switch, 4 10/100 PoE 30W ports, 120W PoE power budget, + 1 100FX Fiber port. Desktop or Wall Mount, DC Jack & Terminal Block Power Connector (47VDC - 57VDC)	$	3,516.00
EX48050-00B	5 Port Hardened (-40°C - 75°C) Managed PoE Ethernet Switch, 4 10/100 PoE 30W ports, 120W PoE power budget. Desktop or Wall Mount, DC Jack & Terminal Block Power Connector (47VDC - 57VDC)	$	672.00
EX71440-10B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,523.00
EX71440-20B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,523.00
EX71440-60B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,195.00
EX71440-70B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,419.00
EX71440-80B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,419.00
EX71440-90B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,642.00
EX71440-A0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,218.00
EX71440-B0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,642.00
EX71440-C0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	4,434.00
EX71440-H0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,195.00

EX71440-P0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,642.00
EX71440-Q0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,866.00
EX71440-R0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	3,986.00
EX71440-S0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	4,255.00
EX71440-V0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100MB SFP Slots. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,030.00
EX71440-ZACB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	3,314.00
EX71620-10B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,232.00
EX71620-20B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,232.00
EX71620-60B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,568.00
EX71620-70B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,680.00
EX71620-80B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,680.00
EX71620-90B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,791.00
EX71620-A0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,594.00
EX71620-B0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,791.00
EX71620-H0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,568.00
EX71620-P0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,791.00
EX71620-Q0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,903.00
EX71620-R0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,463.00

EX71620-S0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,598.00
EX71620-V0B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100M SFP Slots. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,144.00
EX71620-ZA1B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,400.00
EX71622-11B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 Gigabit Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,456.00
EX71622-13B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,680.00
EX71622-14B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,127.00
EX71622-1AB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,903.00
EX71622-1BB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,127.00
EX71622-1RB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	5,486.00
EX71622-1SB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	5,934.00
EX71622-21B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 Gigabit Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,456.00
EX71622-23B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,680.00
EX71622-2AB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,903.00
EX71622-2BB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,127.00
EX71622-2RB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	5,486.00
EX71622-2SB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	5,934.00
EX71622-61B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 Gigabit Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,791.00
EX71622-63B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,015.00

EX71622-6AB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,239.00
EX71622-6BB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,463.00
EX71622-6RB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	5,822.00
EX71622-6SB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	6,270.00
EX71622-71B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 Gigabit Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,903.00
EX71622-73B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,127.00
EX71622-7AB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,351.00
EX71622-7BB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,575.00
EX71622-7RB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	5,934.00
EX71622-7SB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	6,382.00
EX71622-81B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 Gigabit Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,903.00
EX71622-83B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,127.00
EX71622-8AB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,351.00
EX71622-8BB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,575.00
EX71622-8RB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	5,934.00
EX71622-8SB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	6,382.00
EX71622-91B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 Gigabit Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,015.00
EX71622-93B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,239.00

EX71622-9AB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,463.00
EX71622-9BB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,687.00
EX71622-9RB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	6,046.00
EX71622-9SB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	6,494.00
EX71622-A1B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 Gigabit Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,791.00
EX71622-A3B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,015.00
EX71622-AAB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,239.00
EX71622-ABB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,463.00
EX71622-ARB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	5,822.00
EX71622-ASB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	6,270.00
EX71622-AVB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE SFP Slots. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,258.00
EX71622-B1B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 Gigabit Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,015.00
EX71622-B3B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,239.00
EX71622-BAB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,463.00
EX71622-BBB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,687.00
EX71622-BRB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	6,046.00
EX71622-BSB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	6,494.00
EX71622-H1B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 Gigabit Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,791.00

EX71622-H3B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,015.00
EX71622-HAB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,239.00
EX71622-HBB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,463.00
EX71622-HRB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	5,822.00
EX71622-HSB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	6,270.00
EX71622-P1B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 Gigabit Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,015.00
EX71622-P3B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,239.00
EX71622-PAB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,463.00
EX71622-PBB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,687.00
EX71622-PRB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	6,046.00
EX71622-PSB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	6,494.00
EX71622-Q1B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 Gigabit Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,127.00
EX71622-Q3B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,351.00
EX71622-QAB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,575.00
EX71622-QBB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,799.00
EX71622-QRB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	6,158.00
EX71622-QSB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	6,606.00
EX71622-R1B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 Gigabit Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,687.00

EX71622-R3B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,911.00
EX71622-RAB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	3,135.00
EX71622-RBB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	3,359.00
EX71622-RRB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	6,718.00
EX71622-RSB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	7,166.00
EX71622-S1B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 Gigabit Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,822.00
EX71622-S3B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	3,046.00
EX71622-SAB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	3,269.00
EX71622-SBB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	3,493.00
EX71622-SRB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	6,852.00
EX71622-SSB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100FX Fiber Port + 2 GE Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	7,300.00
EX71622-VVB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 6 10/100TX Ports + 2 100M SFP Slots + 2 GE SFP Slots. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,317.00
EX71802-01B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 8 10/100TX Ports + 2 Gigabit Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,164.00
EX71802-03B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 8 10/100TX Ports + 2 Gigabit Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,388.00
EX71802-04B	Hardened (-40°C - 75°C) Managed Ethernet Switch with 8 10/100TX Ports + 2 Gigabit Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,836.00
EX71802-0AB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 8 10/100TX Ports + 2 Gigabit Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,612.00
EX71802-0BB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 8 10/100TX Ports + 2 Gigabit Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,836.00
EX71802-0CB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 8 10/100TX Ports + 2 Gigabit Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,284.00

EX71802-0HB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 8 10/100TX Ports + 2 Gigabit Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,612.00
EX71802-0MB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 8 10/100TX Ports + 2 Gigabit Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,657.00
EX71802-0NB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 8 10/100TX Ports + 2 Gigabit Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,881.00
EX71802-0RB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 8 10/100TX Ports + 2 Gigabit Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	5,195.00
EX71802-0RSB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 8 10/100TX Ports + 2 Gigabit Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	5,419.00
EX71802-0SB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 8 10/100TX Ports + 2 Gigabit Fiber Ports. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	5,643.00
EX71802-0VB	Hardened (-40°C - 75°C) Managed Ethernet Switch with 8 10/100TX Ports + 2 Gigabit SFP Slots. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,248.00
EX73400-00B	Hardened (-40°C - 75°C) Managed 16 10/100TX Ports Ethernet Switch. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,226.00
EX73400-00B-CC	Hardened (-40°C - 75°C) Managed 16 10/100TX Ports Ethernet Switch. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC). Conformal Coating	$	1,532.00
EX73400-00B-CC-NDR	Hardened (-40°C - 75°C) Managed 16 10/100TX Ports Ethernet Switch. Without DIN-rail mount adapter. Terminal Block or DC Jack Power Connector (12VDC - 48VDC). Conformal Coating	$	1,532.00
EX73402-01B	Hardened (-40°C - 75°C) Managed 16 10/100TX Ports + 2 Gigabit TX Ports Ethernet Switch. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,450.00
EX73402-03B	Hardened (-40°C - 75°C) Managed 16 10/100TX Ports + 2 Combo Gigabit TX / Fiber Ports Ethernet Switch. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 32VDC).	$	1,674.00
EX73402-03B-CC	Conformal Coating Version - Hardened (-40°C - 75°C) Managed 16 10/100TX Ports + 2 Combo Gigabit TX / Fiber Ports Ethernet Switch. DIN rail or panel mount. Terminal Block or DC Jack Power Connector (12VDC - 32VDC).	$	2,092.00
EX73402-03B-CC-NDR	Conformal Coating Version - Hardened (-40°C - 75°C) Managed 16 10/100TX Ports + 2 Combo Gigabit TX / Fiber Ports Ethernet Switch. Without DIN rail adapter. Terminal Block or DC Jack Power Connector (12VDC - 32VDC).	$	2,092.00
EX73402-04B	Hardened (-40°C - 75°C) Managed 16 10/100TX Ports + 2 Combo Gigabit TX / Fiber Ports Ethernet Switch. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,122.00
EX73402-05B	Hardened (-40°C - 75°C) Managed 16 10/100TX Ports + 2 Combo Gigabit TX / Fiber Ports Ethernet Switch. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,266.00
EX73402-0AB	Hardened (-40°C - 75°C) Managed 16 10/100TX Ports + 2 Combo Gigabit TX / Fiber Ports Ethernet Switch. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	1,898.00
EX73402-0BB	Hardened (-40°C - 75°C) Managed 16 10/100TX Ports + 2 Combo Gigabit TX / Fiber Ports Ethernet Switch. DIN Rail or Panel Mount. Terminal Block or DC Jack Power Connector (12VDC - 48VDC).	$	2,122.00
EX73922E-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet Switch with 8 Gigabit Ethernet Ports + 2 100/1000Base SFP ports. DIN-Rail Mount, Terminal Block Redundant Power Input 12-48VDC, power supply sold separately.	$	1,594.00

EX73922E-0VB-CC	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet Switch with 8 Gigabit Ethernet Ports + 2 100/1000Base SFP ports. DIN-Rail Mount, Terminal Block Redundant Power Input 12-48VDC, power supply sold separately. Conformal coating, 50pcs minimum	$	1,993.00
EX73922X-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet Switch with 8 Gigabit RJ45 Ports + 2 1G/10G SFP+ ports. DIN-rail mount, Terminal Block Redundant Power Input 12-48VDC, power supply sold separately.	$	2,634.00
EX73922X-0VB-CC	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet Switch with 8 Gigabit RJ45 Ports + 2 1G/10G SFP+ ports. DIN-rail mount, Terminal Block Redundant Power Input 12-48VDC, power supply sold separately. Conformal Coating, 50pcs minimum	$	3,292.00
EX73924E-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet Switch with 8 Gigabit Ethernet Ports + 4 100/1000Base SFP ports. DIN-Rail Mount, Terminal Block Redundant Power Input 12-48VDC, power supply sold separately.	$	1,733.00
EX73924E-0VB-CC	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet Switch with 8 Gigabit Ethernet Ports + 4 100/1000Base SFP ports. DIN-Rail Mount, Terminal Block Redundant Power Input 12-48VDC, power supply sold separately. Conformal coating, 50pcs minimum	$	2,166.00
EX73924X-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet Switch with 8 Gigabit RJ45 Ports + 4 1G/10G SFP+ ports. DIN-rail mount, Terminal Block Redundant Power Input 12-48VDC, power supply sold separately.	$	2,773.00
EX73924X-0VB-CC	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet Switch with 8 Gigabit RJ45 Ports + 4 1G/10G SFP+ ports. DIN-rail mount, Terminal Block Redundant Power Input 12-48VDC, power supply sold separately. Conformal Coating, 50pcs minimum	$	3,466.00
EX73934E-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet Switch with 12 Gigabit Ethernet Ports + 4 100/1000Base SFP ports. DIN-Rail Mount, Terminal Block Redundant Power Input 12-48VDC, power supply sold separately.	$	1,871.00
EX73934E-0VB-CC	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet Switch with 12 Gigabit Ethernet Ports + 4 100/1000Base SFP ports. DIN-Rail Mount, Terminal Block Redundant Power Input 12-48VDC, power supply sold separately. Conformal Coating, 50pcs minimum	$	2,339.00
EX73934X-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet Switch with 12 Gigabit RJ45 Ports + 4 1G/10G SFP+ ports. DIN-rail mount, Terminal Block Redundant Power Input 12-48VDC, power supply sold separately.	$	2,911.00
EX73934X-0VB-CC	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet Switch with 12 Gigabit RJ45 Ports + 4 1G/10G SFP+ ports. DIN-rail mount, Terminal Block Redundant Power Input 12-48VDC, power supply sold separately. Conformal Coating, 50pcs minimum	$	3,639.00
EX75960-0VTU	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 10/100/1000BASE-TX 802.3bt PoE ports + 4 1G SFP Ports. Rack Mount, Terminal Block 52-57VDC Redundant Power Inputs.	$	3,882.00
EX75964-0VTU	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 10/100/1000BASE-TX 802.3bt PoE ports + 4 1G/10G SFP+ Ports. Rack Mount, Terminal Block 52-57VDC Redundant Power Inputs.	$	4,159.00
EX77064-10VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	7,390.00
EX77064-143C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	8,062.00
EX77064-14AC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	10,301.00
EX77064-14BC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	12,093.00
EX77064-14RC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	15,228.00
EX77064-14SC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	16,123.00

EX77064-243C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	8,062.00
EX77064-A0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	12,764.00
EX77064-A43C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	13,436.00
EX77064-A4AC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	15,675.00
EX77064-A4BC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	17,467.00
EX77064-A4RC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	20,602.00
EX77064-A4SC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	21,498.00
EX77064-P0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	15,452.00
EX77064-P43C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	16,123.00
EX77064-P4AC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	18,363.00
EX77064-P4BC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	20,154.00
EX77064-P4RC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	23,289.00
EX77064-P4SC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	24,185.00
EX77064-Q0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	16,795.00
EX77064-Q43C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	17,467.00
EX77064-Q4AC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	19,706.00
EX77064-Q4BC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	21,498.00
EX77064-Q4RC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	24,633.00
EX77064-Q4SC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	25,529.00
EX77064-V0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	2,980.00
EX77244-10VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	5,867.00
EX77244-143C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	6,539.00
EX77244-14AC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	8,778.00
EX77244-14BC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	10,570.00

EX77244-14RC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	13,705.00
EX77244-14SC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	14,601.00
EX77244-20VCR	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Redundant Power Supply, 90VAC-264VAC.	$	5,865.00
EX77244-A0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	9,450.00
EX77244-A43C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	10,122.00
EX77244-A4AC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	12,361.00
EX77244-A4BC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	14,153.00
EX77244-A4RC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	17,288.00
EX77244-A4SC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	18,184.00
EX77244-B0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	12,137.00
EX77244-B43C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	12,809.00
EX77244-B4AC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	15,048.00
EX77244-B4BC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	16,840.00
EX77244-B4RC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	19,975.00
EX77244-B4SC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	20,871.00
EX77244-P0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	11,242.00
EX77244-P43C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	11,913.00
EX77244-P4AC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	14,153.00

EX77244-P4BC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	15,944.00
EX77244-P4RC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	19,079.00
EX77244-P4SC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	19,975.00
EX77244-Q0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	12,137.00
EX77244-Q43C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	12,809.00
EX77244-Q4AC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	15,048.00
EX77244-Q4BC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	16,840.00
EX77244-Q4RC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	19,975.00
EX77244-Q4SC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	20,871.00
EX77244-R0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	18,408.00
EX77244-R43C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	19,079.00
EX77244-R4AC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	21,319.00
EX77244-R4BC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	23,110.00
EX77244-R4RC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	26,245.00
EX77244-R4SC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	27,141.00
EX77244-V0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	2,911.00
EX77244-V0VCR	Hardened (-40°C - 75°C) Managed Ethernet Switch, 8 Port 10/100 + 16 100FX Fiber Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Redundant Internal Universal Power Supply, 90VAC-264VAC.	$	3,554.00
EX77424-10VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	4,344.00

EX77424-143C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	5,016.00
EX77424-14AC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	7,256.00
EX77424-14BC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	9,047.00
EX77424-14RC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	12,182.00
EX77424-14SC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	13,078.00
EX77424-243C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	5,016.00
EX77424-A0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	6,136.00
EX77424-A43C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	6,808.00
EX77424-A4AC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	9,047.00
EX77424-A4BC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	10,838.00
EX77424-A4RC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	13,974.00
EX77424-A4SC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	14,869.00
EX77424-P0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	7,032.00
EX77424-P43C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	7,703.00
EX77424-P4AC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	9,943.00
EX77424-P4BC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	11,734.00
EX77424-P4RC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	14,869.00
EX77424-P4SC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	15,765.00

EX77424-Q0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	7,479.00
EX77424-Q43C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	8,151.00
EX77424-Q4AC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	10,391.00
EX77424-Q4BC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	12,182.00
EX77424-Q4RC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	15,317.00
EX77424-Q4SC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	16,213.00
EX77424-V0VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	2,773.00
EX77424-V0VCR	Hardened (-40°C - 75°C) Managed Ethernet Switch, 16 Port 10/100 + 8 100FX Ports + 4 Gigabit / SFP Combo Ports. Rack Mount with Redundant, Internal, Universal Power Supply, 90VAC-264VAC.	$	3,187.00
EX77604-00VC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 Port 10/100 + 4 Gigabit/SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 90VAC-264VAC.	$	2,634.00
EX77604-00VCR	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 Port 10/100 + 4 Gigabit/SFP Combo Ports. Rack Mount with Redundant Internal Universal Power Supplies, 90VAC-264VAC.	$	3,102.00
EX77604-00VT	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 Port 10/100 + 4 Gigabit/SFP Combo Ports. Rack Mount with ±48VDC (Terminal Block)	$	2,634.00
EX77604-043C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 Port 10/100 + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Redundant Power Supply, 90VAC-264VAC.	$	3,493.00
EX77604-044C	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 Port 10/100 + 4 Gigabit Fiber Ports (1000BASE-SX, SC, 2Km). Rack Mount with Internal Universal Redundant Power Supply, 90VAC-264VAC.	$	3,732.00
EX77604-04AC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 Port 10/100 + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Redundant Power Supply, 90VAC-264VAC.	$	5,733.00
EX77604-04BC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 Port 10/100 + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Redundant Power Supply, 90VAC-264VAC.	$	7,524.00
EX77604-04RC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 Port 10/100 + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Redundant Power Supply, 90VAC-264VAC.	$	10,659.00
EX77604-04SC	Hardened (-40°C - 75°C) Managed Ethernet Switch, 24 Port 10/100 + 4 Gigabit Fiber Ports. Rack Mount with Internal Universal Redundant Power Supply, 90VAC-264VAC.	$	11,555.00
EX77964-8VB	Hardened (-40°C - 75°C) Managed 28 Port LL3 Gigabit Ethernet Switch, 24 GE Ports (16 GE RJ45 + 8 GE Combo 100/1000 Dual Rate SFP Ports) + 4 1G/10G SFP+ Ports, Rack Mount, Redundant 12-24VDC Terminal Block Power Input. Power Supply sold separately.	$	4,159.00
EX77964-8VC	Hardened (-40°C - 75°C) Managed 28 Port LL3 Gigabit Ethernet Switch, 24 GE Ports (16 GE RJ45 + 8 GE Combo SFP Ports) + 4 1G/10G SFP+ Ports, Rack Mount, Internal Universal 90-260VAC Power Supply, IEC Power Connector	$	4,505.00

EX77964-8VCR	Hardened (-40°C - 75°C) Managed 28 Port LL3 Gigabit Ethernet Switch, 24 GE Ports (16 GE RJ45 + 8 GE Combo SFP Ports) + 4 1G/10G SFP+ Ports, Rack Mount, Redundant Internal Universal 90-260VAC Power Supply, IEC Power Connector	$	4,644.00
EX77964-8VT	Hardened (-40°C - 75°C) Managed 28 Port LL3 Gigabit Ethernet Switch, 24 GE Ports (16 GE RJ45 + 8 GE Combo SFP Ports) + 4 1G/10G SFP+ Ports, Rack Mount, ±48VDC Terminal Block Power Input	$	4,505.00
EX77964-8VTR	Hardened (-40°C - 75°C) Managed 28 Port LL3 Gigabit Ethernet Switch, 24 GE Ports (16 GE RJ45 + 8 GE Combo SFP Ports) + 4 1G/10G SFP+ Ports, Rack Mount, Redundant ±48VDC Terminal Block Power Input	$	4,644.00
EX77964-8VW	Hardened (-40°C - 75°C) Managed 28 Port LL3 Gigabit Ethernet Switch, 24 GE Ports (16 GE RJ45 + 8 GE Combo SFP Ports) + 4 1G/10G SFP+ Ports, Rack Mount, Internal Universal 90-260VAC Power Supply, Terminal Block Power Connector	$	4,505.00
EX77964-8VWR	Hardened (-40°C - 75°C) Managed 28 Port LL3 Giagbit Ethernet Switch, 24 GE Ports (16 GE RJ45 + 8 GE Combo SFP Ports) + 4 1G/10G SFP+ Ports, Rack Mount, Redundant Internal Universal 90-260VAC Power Supply, Terminal Block Power Connector	$	4,644.00
EX-779-PC	Power Supply, screw-in module for EX77964-8XC or 8XCR only	$	312.00
EX78402-01BT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 4 10/100 802.3at PoE ports + 2 Gigabit RJ45 ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	1,176.00
EX78402-03BT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 4 10/100 802.3at PoE ports + 2 Gigabit Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	1,400.00
EX78402-04BT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 4 10/100 802.3at PoE ports + 2 Gigabit Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	1,848.00
EX78402-05BT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 4 10/100 802.3at PoE ports + 2 Gigabit Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	1,400.00
EX78402-0ABT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 4 10/100 802.3at PoE ports + 2 Gigabit Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	1,624.00
EX78402-0RBT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 4 10/100 802.3at PoE ports + 2 Gigabit Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	5,207.00
EX78402-0SBT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 4 10/100 802.3at PoE ports + 2 Gigabit Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	5,655.00
EX78402-0VBT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 4 10/100 802.3at PoE ports + 2 Gigabit SFP ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	1,221.00
EX78802-01BT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE ports + 2 Gigabit RJ45 ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	1,534.00
EX78802-03BT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE Ports + 2 Gigabit Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	1,758.00
EX78802-04BT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE Ports + 2 Gigabit Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	2,206.00
EX78802-05BT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE Ports + 2 Gigabit Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	2,206.00
EX78802-0ABT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE Ports + 2 Gigabit Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	1,982.00

EX78802-0RBT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE Ports + 2 Gigabit Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	5,565.00
EX78802-0SBT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE Ports + 2 Gigabit Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	6,013.00
EX78802-0VBT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE ports + 2 Gigabit SFP ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	1,733.00
EX78822-11BT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE ports + 2 100FX Fiber ports + 2 GE ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	1,870.00
EX78822-13BT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE Ports + 2 100FX Fiber ports + 2 GE Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	2,094.00
EX78822-14BT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE Ports + 2 100FX Fiber ports + 2 GE Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	2,542.00
EX78822-21BT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE Ports + 2 100FX Fiber ports + 2 GE Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	1,870.00
EX78822-25BT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE Ports + 2 100FX Fiber ports + 2 GE Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	2,094.00
EX78822-A1BT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE Ports + 2 100FX Fiber ports + 2 GE Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	2,206.00
EX78822-A3BT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE Ports + 2 100FX Fiber ports + 2 GE Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC. 2 x SM 20KM SC & 2 x 1000 BASE-SX 550m	$	1,700.00
EX78822-AABT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE Ports + 2 100FX Fiber ports + 2 GE Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	2,654.00
EX78822-ARBT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE Ports + 2 100FX Fiber ports + 2 GE Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	6,237.00
EX78822-ASBT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE Ports + 2 100FX Fiber ports + 2 GE Fiber ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	6,685.00
EX78822-VVBT	Hardened (-40°C - 75°C) Managed Ethernet PoE Switch with 8 10/100 802.3at 30W PoE ports + 2 100Base SFP ports + 2 GE SFP ports. DIN RAIL Mount, Terminal Block Power Input 48VDC - 57VDC.	$	1,802.00
EX78921B-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 8 Gigabit Ports, (8 GE PoE+ 60W) + 4 1000Base SFP ports. IEEE802.3at 60W on Ports 1-8 with 240W PoE power budget, Includes Digital I/O. Rear Mount Terminal Block Power Input 52VDC - 57VDC, power supply sold separately..	$	1,911.00
EX78922E-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 8 Gigabit PoE Ports + 2 100/1000Base SFP ports. IEEE802.3bt 60W on 4 ports with 240W PoE power budget. DIN-rail mount, Terminal Block Redundant Power Input 52-57VDC, power supply sold separately.	$	1,941.00
EX78922E-0VB-CC	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 8 Gigabit PoE Ports + 2 100/1000Base SFP ports. IEEE802.3bt 60W on 4 ports with 240W PoE power budget. DIN-rail mount, Terminal Block Redundant Power Input 52-57VDC, power supply sold separately. Conformal Coating, 50pcs minimum	$	2,426.00

EX78924E-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 8 Gigabit PoE Ports + 4 100/1000Base SFP ports. IEEE802.3bt 60W on 4 ports with 240W PoE power budget. DIN-rail mount, Terminal Block Redundant Power Input 52-57VDC, power supply sold separately.	$	2,114.00
EX78924E-0VB-CC	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 8 Gigabit PoE Ports + 4 100/1000Base SFP ports. IEEE802.3bt 60W on 4 ports with 240W PoE power budget. DIN-rail mount, Terminal Block Redundant Power Input 52-57VDC, power supply sold separately. Conformal Coating, 50pcs minimum	$	2,643.00
EX78934E-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 12 Gigabit PoE Ports + 4 100/1000Base SFP ports. IEEE802.3bt 60W on 4 ports with 240W PoE power budget. DIN-rail mount, Terminal Block Redundant Power Input 52-57VDC, power supply sold separately.	$	2,287.00
EX78934E-0VB-CC	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 12 Gigabit PoE Ports + 4 100/1000Base SFP ports. IEEE802.3bt 60W on 4 ports with 240W PoE power budget. DIN-rail mount, Terminal Block Redundant Power Input 52-57VDC, power supply sold separately. Conformal Coating, 50pcs minimum	$	2,859.00
EX78934R-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 12 Gigabit PoE Ports + 4 100/1000Base SFP ports. 60W on 4 ports (30W on 8 ports) with 240W PoE power budget. Rear Mount Terminal Block Power Input 48-57VDC.	$	3,712.00
EX78934X-0VB	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 12 Gigabit PoE Ports + 4 1G/10G SFP+ ports. IEEE802.3bt 90W with 360W PoE power budget. DIN-rail mount, Terminal Block Redundant Power Input 52-57VDC, power supply sold separately.	$	3,531.00
EX78934X-0VB-CC	Hardened (-40°C - 75°C) Managed LL3 Gigabit Ethernet PoE Switch with 12 Gigabit PoE Ports + 4 1G/10G SFP+ ports. IEEE802.3bt 90W with 360W PoE power budget. DIN-rail mount, Terminal Block Redundant Power Input 52-57VDC, power supply sold separately. Conformal coating, 50pcs minimum	$	4,414.00
EX83202-0VB	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch with 8 10/100TX Ports + 2 1000BASE SFP Ports. DIN Rail Mount, 12VDC to 48VDC Redundant Power Input Terminal Block.	$	1,386.00
EX83204-0VB	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch with 8 10/100TX Ports + 4 1000BASE SFP Ports. DIN Rail Mount, 12VDC to 48VDC Redundant Power Input Terminal Block.	$	1,456.00
EX83304-0VB	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch with 12 10/100TX Ports + 4 1000BASE SFP Ports. DIN Rail Mount, 12VDC to 48VDC Redundant Power Input Terminal Block.	$	1,594.00
EX87064-143C	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	8,286.00
EX87064-14AC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	10,525.00
EX87064-14BC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	12,316.00
EX87064-14RC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	15,452.00
EX87064-14SC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	16,347.00
EX87064-A43C	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	13,660.00

EX87064-A4AC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	15,899.00
EX87064-A4BC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	17,691.00
EX87064-A4RC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	20,826.00
EX87064-A4SC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	21,722.00
EX87064-P43C	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	16,347.00
EX87064-P4AC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	18,587.00
EX87064-P4BC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	20,378.00
EX87064-P4RC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	23,513.00
EX87064-P4SC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	24,409.00
EX87064-Q43C	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	17,691.00
EX87064-Q4AC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	19,930.00
EX87064-Q4BC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	21,722.00
EX87064-Q4RC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	24,857.00
EX87064-Q4SC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	25,753.00
EX87244-10VC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	6,091.00
EX87244-143C	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	6,763.00
EX87244-14AC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	9,002.00
EX87244-14BC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	10,794.00

EX87244-14RC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	13,929.00
EX87244-14SC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	14,825.00
EX87244-A0VC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	9,674.00
EX87244-A43C	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	10,346.00
EX87244-A4AC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	12,585.00
EX87244-A4BC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	14,377.00
EX87244-A4RC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	17,512.00
EX87244-A4SC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	18,408.00
EX87244-P0VC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	11,465.00
EX87244-P43C	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	12,137.00
EX87244-P4AC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	14,377.00
EX87244-P4BC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	16,168.00
EX87244-P4RC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	19,303.00
EX87244-P4SC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	20,199.00
EX87244-Q0VC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	12,361.00
EX87244-Q43C	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	13,033.00
EX87244-Q4AC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	15,272.00
EX87244-Q4BC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	17,064.00

EX87244-Q4RC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	20,199.00
EX87244-Q4SC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	21,095.00
EX87244-V0VC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 8 10/100 Ports + 16 100FX Fiber Ports + 4 GE SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	3,329.00
EX87424-10VC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	4,568.00
EX87424-143C	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	5,240.00
EX87424-14AC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	7,479.00
EX87424-14BC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	9,271.00
EX87424-14RC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	12,406.00
EX87424-14SC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	13,302.00
EX87424-A0VC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	6,360.00
EX87424-A43C	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	7,032.00
EX87424-A4AC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	9,271.00
EX87424-A4BC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	11,062.00
EX87424-A4RC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	14,198.00
EX87424-A4SC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	15,093.00
EX87424-P0VC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	7,256.00
EX87424-P43C	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	7,927.00
EX87424-P4AC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	10,167.00

EX87424-P4BC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	11,958.00
EX87424-P4RC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	15,093.00
EX87424-P4SC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	15,989.00
EX87424-Q0VC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	7,703.00
EX87424-Q43C	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	8,375.00
EX87424-Q4AC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	10,615.00
EX87424-Q4BC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	12,406.00
EX87424-Q4RC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	15,541.00
EX87424-Q4SC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	16,437.00
EX87424-V0VC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 16 10/100 Ports + 8 100FX Fiber Ports + 4 GE SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	3,187.00
EX87604-00VC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 Port 10/100 + 4 GE SFP Combo Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	3,046.00
EX87604-00VT	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 Port 10/100 + 2 GE SFP Combo Ports. Rack Mount with Internal Power Supply, 48VDC.	$	3,046.00
EX87604-00VTR	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 Port 10/100 + 2 GE SFP Combo Ports. Rack Mount with Internal Power Supply, 48VDC.	$	3,046.00
EX87604-043C	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 Port 10/100 + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	3,717.00
EX87604-04AC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 Port 10/100 + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	5,957.00
EX87604-04RC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 Port 10/100 + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	10,883.00
EX87604-04SC	Hardened (-40°C - 75°C), IEC16850 & IEEE1613, Managed Ethernet Switch, 24 Port 10/100 + 4 GE Fiber Ports. Rack Mount with Internal Universal Power Supply, 100VAC - 260VAC.	$	11,779.00
IG5-00244RCR	Hardened (-40°C - 75°C) Managed 28 Port LL3 Gigabit Ethernet Switch, 24 GE 100/1000 Dual Rate SFP Ports + 4 1G/10G SFP+ Ports, Rack Mount, Redundant 100-240VAC Power input (AC inlet).	$	6,212.00
IG5-08164RCR	Hardened (-40°C - 75°C) Managed 28 Port LL3 Gigabit Ethernet Switch, 24 GE Ports (8 GE RJ45 + 16 GE 100/1000 Dual Rate SFP Ports) + 4 1G/10G SFP+ Ports, Rack Mount, Redundant 100-240VAC Power input (AC inlet).	$	6,212.00

SG300-0602	Hardened (-40°C - 75°C) Smart Managed 6 10/100/1000TX + 2 100/1000 SFP Ports Ethernet Switch. DIN Rail Mount. Terminal Block Redundant Power Connector (12VDC - 57VDC).	$	1,308.00
SG300-08	Hardened (-40°C - 75°C) Smart Managed 8 10/100/1000TX Ports Ethernet Switch. DIN Rail Mount. Terminal Block Redundant Power Connector (12VDC - 57VDC).	$	1,308.00
SG300-16	Hardened (-40°C - 75°C) Smart Managed 16 10/100/1000TX Ports Ethernet Switch. DIN Rail Mount. Terminal Block Redundant Power Connector (12VDC - 57VDC).	$	2,616.00
	SFP Modules:		
SFPG8T03D	VDSL2 SFP Module, -20C to +70C, 100Mbps max, CO mode	$	235.00
SFPG9T03D	VDSL2 SFP Module, -20C to +70C, 100Mbps max, CPE mode	$	235.00
SFPGIM02C	SFP Module, Commercial (0 to 70°C/32 to 158°F), DDM	$	162.00
SFPGIM02M	SFP Module, Hardened (-40C - +75C) Gigabit MM 2Km 1310nm (Duplex LC), DDM	$	270.00
SFPGIM5AC	SFP Module, Commercial (0C - 45C) Gigabit, DDM	$	85.00
SFPGIM5AM	SFP Module, Hardened (-40C - +75C) Gigabit, DDM	$	162.00
SFPGIS10C	SFP Module, Commercial (0 to 70°C/32 to 158°F), DDM	$	112.00
SFPGIS10M	SFP Module, Hardened (-40C - +75C) Gigabit, Gigabit SM 10KM, LC Connector, DDM	$	229.00
SFPGIS20M	SFP Module, Hardened -40 to 85°C/-40 to 185°F), Gigabit SM 20KM (2 LC), DDM	$	388.00
SFPGIS90C	SFP Module, Commercial (0 to 70°C/32 to 158°F)	$	618.00
SFPGXT1AM	SFP Module, Hardened (-40C - +75C) Gigabit, RJ45 Connector, 100m, cat5 or better	$	219.00
SFPGYS20M	SFP Module, Hardened (-40 to 85°C/-40 to 185°F), DDM, 20Km, Single LC, TX: 1310nm/RX: 1550nm	$	487.00
SFPGZS20M	SFP Module, Hardened (-40 to 85°C/-40 to 185°F), DDM, 20Km, Single LC, TX: 1550nm/RX: 1310nm	$	588.00
SFPMIM02C	SFP Module, Commercial (0C - 45C) 100FX 2KM 1310nm, DDM	$	59.00
SFPMIS20M	SFP Module, Hardened (-40C - +75C) 100FX SFP SM 15KM, LC Connector, DDM	$	334.00
SFPMXT1AC	SFP Module, Commercial(0C - +70C) 100Mbps, RJ45 Connector, 100m, cat5 or better	$	133.00
SFPMYS20M	SFP Module, Hardened (-40C - +75C) 100FX WDM Type-A SM 20KM, DDM	$	348.00
SFPMZS20M	SFP Module, Hardened (-40C - +75C) 100FX WDM Type-B SM 20KM, DDM	$	364.00
SFPTIM3AE	SFP Module, Commercial (0 to 70°C/32 to 158°F), DDM, 300m, Duplex LC	$	288.00
SFPTIM3AM	SFP Module, Hardened (-40 to 85°C/-40 to 185°F), DDM, 300m, Duplex LC	$	605.00
SFPTIS10E	SFP Module, Commercial (0 to 70°C/32 to 158°F), DDM, 10Km, Duplex LC	$	480.00
SFPTIS10M	SFP Module, Hardened (-40 to 85°C/-40 to 185°F), DDM, 10Km, Duplex LC	$	1,008.00
SFPTIS20C	SFP Module, Commercial (0 to 70°C/32 to 158°F), DDM, 20Km, Duplex LC	$	372.00
SFPTIS20M	SFP Module, Hardened (-40 to 85°C/-40 to 185°F), DDM, 20Km, Duplex LC	$	1,064.00
SFPTIS40C	SFP Module, Commercial (0 to 70°C/32 to 158°F), DDM, 40Km, Duplex LC	$	564.00
SFPTIS40M	SFP Module, Hardened (-40 to 85°C/-40 to 185°F), DDM, 40Km, Duplex LC	$	1,065.00
	ACCESSORIES:		
CS-50F9-180	RJ50 (10 pin) to DB9 (F) connection cable for SE5304/ SE 6304	$	20.00
CS-50M9-180	RJ50 (10 pin) to DB9 (M) connection cable for SE5304/ SE 6304	$	20.00
CV-RJ11	RJ11 port dust cover, 1 pc	$	2.00
CV-RJ11-2	RJ11 port dust covers, pack of 2	$	3.00
CV-RJ45	RJ45 port dust cover, 1pc	$	1.00
CV-RJ45-8	RJ45 port dust covers, pack of 8	$	10.00
CV-SFP	SFP port dust cover, 1pc	$	1.00
CV-SFP-4	SFP port dust covers, pack of 4	$	5.00
CV-USB	USB-A port dust cover, pack of 1	$	2.00
EASYPOEBOXLOCK	Door Locking Tab Accessory for EASYPOE Box Series, compatible with padlocks with shackle diameter up to 12mm	$	33.00
EASYPOEBOXMCL	Mast clamp set, 2 pcs, for pole mounting, compatible with EASYPOE Box series and pole diameter of 102-254mm.	$	33.00
EASYPOEBOXMCS	Mast clamp set, 2 pcs, for pole mounting, compatible with EASYPOE Box series and pole diameter of 51-127mm.	$	24.00
EASYRESTORE-LC	Controlled Shear Device for Fiber, 12 LC connectors for connection to switches, for replacement purpose	$	1,033.00

EASYRESTORE-LC-AB	Controlled Shear Device for Fiber, 12 LC connectors for connection to switches, with connector and bulkhead fitting for connecting to infrastructure side	$	1,317.00
EX-FCSTLCS02M	Fiber Cable ST to LC, 9/125µm, 10Gb, OS1, Single-Mode Duplex PVC - 2 meters	$	21.00
EX3101MK	Panel Mount Kit for ED3101, ED3501, EL100 series	$	18.00
FCBL-MMSCLC-1M	Fiber optic patch cable, SC to LC, Multi-mode, Duplex, 1 meter	$	11.00
FCBL-MMSCLC-2M	Fiber optic patch cable, SC to LC, Multi-mode, Duplex, 2 meters	$	13.00
FCBL-MMSTLC-1M	Fiber optic patch cable, ST to LC, Multi-mode, Duplex, 1 meter	$	11.00
FCBL-MMSTLC-2M	Fiber optic patch cable, ST to LC, Multi-mode, Duplex, 2 meters	$	13.00
FCBL-SMSCLC-1M	Fiber optic patch cable, SC to LC, Single mode, Duplex, 1 meter	$	11.00
FCBL-SMSCLC-2M	Fiber optic patch cable, SC to LC, Single mode, Duplex, 2 meters	$	13.00
FCBL-SMSTLC-1M	Fiber optic patch cable, ST to LC, Single mode, Duplex, 1 meter	$	11.00
FCBL-SMSTLC-2M	Fiber optic patch cable, ST to LC, Single mode, Duplex, 2 meters	$	13.00
INJ90BT-24	Hardened (-40°C - 75°C) Gigabit PoE Injector with 802.3bt PoE, 90W Power Output, DIN Rail Mounting, 24-56VDC Terminal Block Power Input, Power supply sold separately.	$	347.00
JPole18	J-Pole, Universal Antenna Mount, 18 inch	$	20.00
KCB-BK779	Cabinet mounting bracket for EX77964, black, set of 1	$	69.00
KD-31003	DIN Rail Mount Kit for ED3101 hardware version 3 and above.	$	11.00
KD-AA5100	DIN-Rail mounting kit for EL1032T and EX42900 series.	$	16.00
KD-AA78000	DIN Rail Mount Kit for EX73900, EX78000, EX78602, EX78900, EX48000A, EX48000, EX38000 and DD-85-48	$	16.00
KD-AA96000	DIN-Rail mounting kit for EX33000, EX34000, EX35000, EX45000, EX46100, EX47000, EX63000, EX70900, EX71000, EX73000, EX83000, EX94000, EX95000, EL1141, ED3145, ED3146, ED3171, ED3175, ED3538, ED3638, ED3575, EL900, EL9000 and EL9100 series.	$	16.00
KD-AAEL950	DIN Rail Mount Kit for EL910, EL950	$	14.00
KD-INJ90	DIN-rail mounting kit for INJ90BT-24 and SPL90BT	$	9.00
KP-AA3541X40	Panel Mount kit for ED3541	$	19.00
KP-AA51	Panel Mount kit for SE5100;SE5300 series and SE6100, SE6300 Series	$	11.00
KP-AA54	Panel Mount kit for SW5400 series	$	16.00
KP-AA96-480	Panel Mount Kit for 43000; 93000; 94000; 96000; EL900; EL9000; ED3141;ED3171;EX45000;ex46000;ex95000;ex65000;ex61000;ex63000 Series	$	11.00
KP-BK6212	Panel Mount Kit (Black) for EX72000, EX62000 Series	$	27.00
KR-AE612-400	Rack Mount Kit for 1616WG; 1624W; 9224SF; EX9224S; EX9200; EX3224SF; EX2224S; EX3800W; EX3017M Series	$	11.00
KR-BK1600R-410	Rack Mount Kit for EMC1600	$	21.00
KR-BK1600R-506	EMC1600 bracket for EL series MC+screw	$	16.00
KR-BK17	Rack Mount kit for EX17008 Series Switches	$	21.00
KR-BK43-400	Rack Mount Kit for 43000; 93000; 94000; 96000; EL900; EL9000 Series	$	27.00
KR-BK72-400	Rack Mount kit for EX72000;EX62000 series	$	32.00
KR-BK779	19" rack offset mounting brackets for EX77964, black, set of 2	$	22.00
KR-BK7800040	19" Rack mounting kit for EX78900/78000/73900 series, black	$	37.00
KR-BKEL900	Rack Mount kit for EL900;EL9010;EL9000;ED3141;ED3171	$	27.00
KR-BKNEMA	Bracket for NEMA cabinet shelf that can mount EX77964	$	53.00
KR-BKZDIN	Z-shaped rack vertical mounting bracket for DIN-rail switches (EX78900/78000/73900), black, set of 1	$	32.00
KR-BKZDIN-D	Din configuration for Z-shaped rack vertical mounting bracket for DIN-rail switches (EX78900/78000/73900), black, set of 1	$	35.00
KR-BKZDIN2	Z-shaped rack horizontal mounting bracket for DIN-rail switches (EX78900/78000/73900), black, set of 1	$	32.00
KR-BKZDIN2-D	Din-rail configuration for Z-shaped rack horizontal mounting bracket for DIN-rail switches (EX78900/78000/73900), black, set of 1	$	35.00
KR-DINRAILB	TransRack 19 rack mount adjustable DIN rail bracket"	$	138.00
LTE2GPS1	Puck GPS/Cellular combination Antenna - IP67 Rated - Rugged design, with high temperature UV resistant plastic. Bolt-thru, Magnetic or Adhesive mounts. 2 x LTE + 1 x GPS. Supports all LTE and GPS / GNSS frequencies supported by the C4G Series	$	120.00

LTE2W2GPS1	Puck GPS/Cellular combination Antenna - IP67 Rated - Rugged design, with high temperature UV resistant plastic. Bolt-thru, Magnetic or Adhesive mounts. 2 x LTE + 2 x Dual Band Wi-Fi + 1 x GPS. Supports all LTE, Wi-FI and GPS / GNSS frequencies supported by the C4G Series	$	140.00
PC-WPF-2FT	Waterproof power cable, 2' 20AWG, locking barrel connector pair, connect female side to power supply and male side to device	$	11.00
PD1041	Hardened (-40°C - 75°C) Gigabit PoE Surge Protection Device, supporting 10/100/1000BaseT and 802.3at PoE pass through surge protection. Din-Rail mounting.	$	123.00
PD3041	Hardened (-40°C - 75°C) Copper Pair/DSL Surge Protector, RJ11 and Terminal Block Connector for input and output pairs, 10kv total surge current protection, IEC 61643-21, UL497B , Din-Rail mounting.	$	123.00
PoEPowerEZ	PoE Switch to EasyLink Adapter Hardened -40°F to 158°F (Eliminates the need for a power supply). Active PoE to 24VDC Passive PoE	$	62.00
PWR-H	1 x Hardened PSU -40 to 75°C (-40 to 167°F) 12 VDC / 2 A with 2.1MM DC Jack, 1.8m / 6ft cable and NA wall plug for EasyLink product line.	$	100.00
SFPCBL150	SFP+ to SFP+ copper cable, 10Gb, 1.5m	$	59.00
SFPCBL50	SFP+ to SFP+ copper cable, 10Gb, 50cm	$	53.00
eVue	Network Management Software for EtherWAN Devices	$	503.00
SPL90BT	Hardened (-40°C - 75°C) Gigabit PoE Splitter with 802.3bt PoE, 90W Max Power Input, DIP Switch Controlled Voltage Output Range 12V-48VDC, DIN Rail Mounting.	$	208.00

Dymec Ethernet Switches

Ethernet Switches

489997	10 Port (CSV,CCT,KY-1 Button Support, DDMI) Rugedized Din Rail or Shelf Mount 10 Gig Ethernet Switch	$	1,564.00
489998	10 Port 10 gig (CSV,CCT,KY-1 Button Support, DDMI)Rack Mount Ethernet Switch 1 Gig (Oklahoma City) (Phasing out in 2019 replace with KY-3170XM below)	$	1,355.00
489998	10 Port (CSV,CCT,KY-1 Button Support, DDMI)Rack Mount Ethernet Switch 1 Gig (Oklahoma City)	$	1,359.00
489999	4 Port Daughter Card	$	417.00
490000	8 Port Daughter Card	$	522.00
0	ITS 10 Port Managed Layer 2 Ethernet 10 Gig Rack Mount Ethernet Switch	$	906.00
490001	ITS 10 Port Rack Mount Gigabit Ethernet Switch (Tulsa OK)	$	940.00
490002	Non Rack Mount Ethernet Switches	$	679.00
490002PS	Power Supply Ethernet Switch	$	47.00
490002SP	RJ45 Surge protection Device	$	42.00
490002SPPOE	POE RJ45 Surge protection Device	$	58.00
4900003	KY 1 Button Back Up Restore Unit	$	157.00
4900004	LX 20 Km/A	$	117.00
4900005	LX 20 KM/B	$	117.00
4900006	VDSL A	$	208.00
4900007	VDSL B	$	208.00
4900007	VDSL B	$	78.00
4900008	Ethernet Extender	$	277.00
0	DBU Flash Drive Config Device	$	100.00

McCain Traffic Controllers, Software and Accessories

Controllers EB4 - Does NOT include software

M77777	2070LX+ CONTROLLER, TEES 2020: 1C T20,2E+T20,7A,LAN,4A-EB4	$	3,937.00
M86909	2070 LX CONTROLLER, TEES 2020: 1C T20,2E+ T20,3B T20,4A - EB4	$	3,467.00
M86890	ATC Ex2 NEMA CONTROLLER, TS2 TYPE 2-EB4	$	2,731.00
M86891	ATC Ex2 NEMA CONTROLLER, TS2 TYPE 1-EB4	$	2,096.00

M92410SW	FLEX SHELF MOUNT CONTROLLER, WIFI, EB4	$	2,438.00
M92410SWC	FLEX SHELF MOUNT CNTRL,WIFI,CONN BOX STAND, TS2-2, EB4	$	3,124.00
M92410SWC2	FLEX SHELF MOUNT CONTROLLER, WIFI, CONN BOX, A2, TS2-1	$	2,731.00
M92410RW	FLEX RACK MOUNT CONTROLLER, WIFI, EB4	$	2,477.00
M92410WPAC	FLEX SHELF MOUNT CNTRL,WIFI,CONN BOX, EPAC, EB4	$	3,042.00
M92410WTR	FLEX SHELF MOUNT CNTRL,WIFI,CONN BOX, TRACONEX, EB4	$	3,112.00
	Controllers Does NOT include software		
M73101RW	Rack Mount Flex Controller w/ Wi-Fi- ATC Cabinet	$	2,477.00
M73101RWA	Rack Mount Flex Controller- w/ Wi-Fi Caltrans Cabinets	$	2,837.00
M73101SW	Shelf Mount Flex Controller- w/Wi-Fi ATC Cabinet	$	2,350.00
M73101SWA	Shelf Mount Flex Controller w/ Wi-Fi- Caltrans	$	2,731.00
M73101SC	FLEX SHELF MOUNT CONTROLLER, CONN BOX STAND, TS2 T2	$	2,934.00
M73101SC2	FLEX SHELF MOUNT CONTROLLER, CONN BOX, A2, TS2 T1	$	2,512.00
M73101SWC	FLEX SHELF MOUNT CNTRL,WIFI,CONN BOX STAND, TS2-2	$	3,035.00
M73101SWC2	FLEX SHELF MOUNT CONTROLLER, WIFI, CONN BOX, A2, TS2-1	$	2,623.00
M57970	NEMA eX2 controller TS-2 Type 1	$	1,956.00
M58930	NEMA eX2 controller TS-2 Type 2 Traconex Compatiable	$	2,565.00
M57390	NEMA eX2 Controller TS-2 Type 2	$	2,619.00
M54372	2070LX CONTROLLER: 1C, 2E+, 3B-LX, 4A, LINUX	$	2,921.00
M76749	2070LX CONTROLLER: 1C, 2B, 3B-LX, 4A, LINUX	$	2,426.00
M86909	2070 LX CONTROLLER, TEES 2020; 1C T20, 2E+ T20, 3B T20, 4A - EB4	$	3,467.00
	Local Controller Software		
S-OMNI	OMNI Software	$	1,250.00
M71628	D4 Software for 2070	$	1,500.00
M73580	D4 Software for NEMA TS2 Type 1	$	1,500.00
M72649	D4 Software for NEMA TS2 Type 2	$	1,500.00
	D4 Local Controller Software from Eric Nelson		
D4 Software	D4 Software any Controller	$	1,500.00
D4 Software Maint 1-99	1-99 Controllers	$	12,500.00
D4 Software Maint 100-249	100-249 Controllers	$	18,750.00
D4 Software Maint 250-499	250-499 Controllers	$	37,500.00
D4 Software Maint 500-749	500-749 Controllers	$	56,250.00
D4 Software Maint 750-999	750-999 Controllers	$	75,000.00
	Central Software		
Transparity 1-50	Transparity Software (1-50 Controllers)	$	66,250.00
Transparity 51-100	Transparity Software (51-100 Controllers)	$	118,750.00
Transparity 101-150	Transparity Software (101-150 Controllers)	$	163,750.00
Transparity 151-200	Transparity Software (151-200 Controllers)	$	201,250.00
Transparity 201-300	Transparity Software (201-300 Controllers)	$	231,250.00
Transparity 301-400	Transparity Software (301-400 Controllers)	$	276,250.00
Transparity Maint 1-100	Annual Software Maitenance (1-100 controllers)	$	9,250.00
Transparity Maint 101-150	Annual Software Maitenance (101-150 controllers)	$	12,375.00
Transparity Maint 151-200	Annual Software Maitenance (151-200 controllers)	$	20,250.00
Transparity Maint 201-300	Annual Software Maitenance (201-300 controllers)	$	25,000.00
Transparity Maint 301-400	Annual Software Maitenance (301-400 controllers)	$	27,500.00
	Controller Cards		
M45581	2070 GPS Module	$	804.00
M52805	MODULE, CPU, 2070-1C, TEES2009 E-2	$	1,048.00
M45460	MODULE, 2070-2B, TEES 2009	$	257.00
M46543	MODULE, 2070-7A, ASYNC COMM SERIAL (TEES 2009)	$	290.00
M57630	MODULE, FIELD I/O, 2070-2E+	$	603.00
M44020	MODULE,FIELD I/O,2070-2E, TEES2009	$	603.00
M33149	2070-4A PWR SUP FOR 2070	$	697.00
M69711	FRNT PNL ASSY,2070 LCD DISPLAY	$	485.00
M55043	CABLE, CONTROLLER ADAPTER, TS2-2 TO TS2-1	$	207.00
M55678	CABLE, TS2-1 CONTROLLER POWER, BENCH TESTING	$	80.00

M55655	CABLE, TS1/TS2-2 CONTROLLER POWER	$	155.00
	Cabinet Accessories		
M14317	LOCK MNT ASSY,L/H,CORBIN A15481LS W/#2 KEY	$	44.00
M14318	LOCK MNT ASSY,R/H,CORBIN A15481RS W/#2 KEY	$	44.00
M56812	ISO, DC, 242L, EDI ISOLATOR	$	67.00
M11422	ISO,AC,252,PDC ACI-88, DUAL CHL.	$	44.00
M34480	AMU-214, EDI AUXILIARY MONITOR UNIT	$	378.00
M34482	SIU,218,EDI SERIAL INTERFACE UNIT	$	419.00
M36028	CMU,212, EDI CMUip-212 MONITOR UNIT	$	908.00
M68359	CMU,2018KCLIP,EDI 18 CHANNEL	$	1,139.00
M84650	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB	$	635.00
M84942	DATAKEY FOR CMU 2018/2212-HV, EDI 495-4000	$	47.00
M11556	RELAY,430 FLASH TRANSFER, STRUTHERS-DUNN #21ACPX-2/21XBXP	$	33.00
M40374	MMU, TS2 CAB, EDI MMU-16E	$	969.00
M71938	MMU2-16LE, EDI	$	1,054.00
M71765	MMU2-16LEI(ip), EDI (SMARTMONITOR SERIES)	$	1,270.00
M68441	POWER SUPPLY TS2 - EDI PS250	$	620.00
M40369	BIU-700, TS2 EDI BIU-700	$	391.00
M81188	DET,ORACLE 2E EDI	$	356.00
M11373	PDC 204 Flasher	$	30.00
M11367	PDC 200 Load Switch	$	30.00
	ATC Cabinet Parts		
M73847	ATCC-HV, KIT UPGRADE TO OA-32CH-HV.	$	3,867.00
M59733	ATCC-FITA ASSEMBLY 48CH HORIZONTAL.	$	601.00
M55411	ATCC-HV, OA-32CH & (2)FOTA-16CH W/ HARN	$	3,774.00
M55412	HARN ATCC-HV, REAR PANEL TO FOTA, OA-32CH.	$	508.00
M52495	FLASHER BLK W/RED WIRES ATC CAB	$	11.00
M52496	FLASHER BLK W/WHITE WIRES ATC CAB	$	11.00
M52497	FLASHER BLK W/YELLOW WIRES ATC CAB	$	11.00
M36255	ADU,2220-MC AUX DISPLAY UNIT(48VDC),ATC	$	711.00
M59831	ADU 2220C-MC, AUXILIARY DISPLAY UNIT FOR 14" RACK FOR MCCAIN	$	530.00
M58308	POWER SUP,CPS,EDI #PS2217-MC (24,48VDC),ATC	$	324.00
M36261	PWR SUP,PS2216-24-HV-MC (24,48VDC),ATC	$	663.00
M54487	ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26	$	400.00
M12118	FILTER,AIR;METAL 12X16X1 EXACT	$	71.00
M54339	CABLE RJ45, CAT5E (350MHz),6FT, BLUE, BLACK BOX #EVNSL81-0006	$	20.00
M56516	HARN ATCC, DC POWER, OUTPUT FILE 16CH/32CH.	$	55.00
M54485	HARN, FLAT&TWIST(LOOSE), IDC26, (59,50)in	$	91.00
M48062	HARN, FLAT&TWIST(LOOSE), DB25,59In	$	80.00
M58641	ATCC, FOTA1-16CH, RACK MOUNT W/CLIPS, PHOENIX CONTACT	$	1,046.00
M58651	ATCC, FOTA17-32CH W/CLIPS, RACK MOUNT, PHOENIX CONTACT	$	1,046.00
M78010	FUSE,2A,5X20MM,BUSS, #GDA-2A	$	5.00
M78009	FUSE HOLDER BLOCK,TOP,5X20MM, WE,#696122003001	$	3.00
	ATC Cabinet Service Assemblies		
M59737	ATCC-HV, SERVICE ASSEMBLY, TWO FLASHER, HORIZONTAL.	$	880.00
M91177	ATCC-HV, SERVICE ASSEMBLY, ONE FLASHER, VERTICAL,WITH TBS 7POS	$	878.00
M91179	ATCC-HV, SERVICE ASSEMBLY, TWO FLASHER, VERTICAL, WITH TBS 7POS	$	1,130.00
M91173	ATCC-HV,SERVICE ASSEMBLY,ONE FLASHER,HORIZONTAL,W/TBS 7POS	$	806.00
M91175	ATCC-HV,SERVICE ASSEMBLY,TWO FLASHER,HORIZONTAL,W/TBS 7POS	$	871.00
M91351	ATCC-HV,SERVICE ASSEMBLY,TWO FLASHER,HORIZONTAL,W/TBS 7POS,USBPORT,FUSES FRONT	$	1,158.00
M91380	ATCC-HV,SERVICE ASSEMBLY,ONE FLASHER,HORIZONTAL,W/TBS 7POS,USBPORT,FUSES FRONT	$	992.00
M52213	ATCC-HV, Output Assy OA-16 Channel	$	895.00
	ATC Cabinet Shelves		
M53920	SHELF,VENTED,340, VDOT, 5 DOORS, TYPE II - 13.36"	$	41.00

M62802-1	BATTERY CHARGING SHELF ASSY, SLIDE-OUT, 332, 18.875"	$	324.00
M79183	SHELF,10", VENTED, EARS OUT, STL	$	33.00
M63331-1	SHELF,LOUVERED,332, EARS OUT, EQ CABINET	$	55.00
M13089	SHELF,LOUVERED,332,EARS IN	$	57.00
M79142	SIDE DIN RAIL ASSEMBLY, 352i ATC	$	22.00
M79257N	ANTENNA BOX, 332, NATURAL	$	57.00
	ATC Cabinet Accessories		
M58149	ITS COMMANDER, POWER MANAGEMENT/MONITOR SYS, #1RU8126MS (Can buy Directly from Southern)	$	1,492.00
M74151	KIT, ATC CABINET INPUT TEST PANEL	$	544.00
M86897	KIT,ATCC AUXILIARY I/O ASSEMBLY - MODEL 2521	$	819.00
M73860	ATCC INPUT TEST ASSEMBLY (SIU VER), MODEL 2510	$	429.00
M76594	ATCC, SDLC DETECTION PANEL ASSY	$	201.00
M58360A	ASSY, PCB, ATC INPUT TEST CARD	$	180.00
	Cabinet Phoenix Connectors		
M36342	TERM BLK,6POS,PLUG,SPRING WITH CLIPS, COLORED,PHOENIX #1104381	$	14.00
M52694	PLUG, 6POS, 5.08MM PHOENIX #1825352 DC BUS CONNECTORS	$	14.00
	Cabinet PCB's		
M54704A	PCB ASSY, (AC) ATCCAB-OA 32 CH	$	434.00
M59731A	PCB ASSY, ATCC-FITA 48CH HORIZONTAL.	$	445.00
M52577A	PCB Assy, AC, 16ch OA	$	244.00
M52578A	PCB Assy, FOTA 16ch	$	1,016.00
M52386A	PCB Assy, AC, 16ch CMU	$	174.00
	SDLC Cables		
M36323	CABLE, COMM, SDLC, 5FT, METAL SHELL, BELDEN 9844 15PIN to 15PIN	$	57.00
M48967	CABLE, COMM, TS2, 6.0FT, 2CONN-CRIMP, METAL SHLL, CBL-8104 15 PIN to 15 PIN	$	83.00
M36343	CABLE, COMM, SDLC, 25DBM-15DBM, 5FT. 15PIN to 25PIN	$	70.00
	Cabinet Displays		
M58800	CABINET TEST DISPLAY, 120VAC, 16CH, LUG & TERM BLK PLUG	$	1,267.00
M58801	CABINET TEST DISPLAY, 120VAC, 16CH, BLADE LUG	$	1,267.00
M58450	CABINET TEST DISPLAY, 120VAC, 16CH, SPADE LUG	$	1,267.00
M58440	CABINET TEST DISPLAY, 48 VDC, 16CH, LUG & TERM BLK PLUG	$	1,267.00
M58441	CABINET TEST DISPLAY, 48 VDC, 16CH, BLADE LUG	$	1,267.00
M76750	CABINET TEST DISPLAY, MESA, 120VAC, 16CH, LUG & TERM BLK PLUG w/ SWITCHES	$	1,302.00
M77320	CABINET TEST DISPLAY, MESA, 120VAC, 16CH, BLADE LUG w/SWICTHES	$	1,302.00
M77330	CABINET TEST DISPLAY, MESA, 120VAC, 16CH, SPADE LUG w/SWICTHES	$	1,302.00
M77800	32 CH ATCC CABINET DISPLAY & CMU TESTER - MODEL 2540	$	1,651.00
	Suitcase Testers		
M55433	SUITCASE TESTER, 170/2070 CONTROLLER, WITH I/O MATRIX DISP.	$	2,985.00
M55434	SUITCASE TESTER, 170/2070 CONTROLLER WITH INTERSECTION DISPLAY	$	2,985.00
M55435	SUITCASE TESTER, NEMA TS1 CONTROLLER, WITH I/O MATRIX DISP.	$	2,985.00
M86433	ATC Cyber Cabinet	$	2,972.00
	Railroad Interface Panels		
M54419A	RAILROAD INTERFACE PANEL, NEMA/CALTRANS PCB	$	781.00
M73140	RAILROAD INTERFACE PANEL, ATC CABINET RACK MOUNT	$	984.00
M54451	RRIP, HARNESS AND MOUNTING KIT, C11	$	953.00
M54766	RRIP, HARNESS AND MOUNTING KIT, SPADE LUGS	$	953.00
M55309	RRIP, HARNESS AND PS+MOUNTING KIT, C5 & SPADE LUGS	$	1,016.00
	Repairs		
MCRepair	Per Hour	$	123.00
	P44 Risers		
M62944N	4" Natural W/Hardware	$	239.00
M79524N	6" Natural W/Hardware	$	410.00
M42718N	8"Natural W/Hardware	$	451.00
M42358N	9" Natural W/Hardware	$	396.00
M42086N	12" Natural W/Hardware	$	377.00

M42837N	15" Natural W/Hardware	$	399.00
M79109N	18" Natural W/Hardware	$	481.00
M42246N	18" Natural W/Hardware, No bottom Holes	$	481.00
M42246C	18" Powder Coated W/Hardware, No bottom Holes	$	616.00
M79317H	12" Split Base, Natural W/Hardware	$	374.00
M79318H	18' Split Base, Natural W/Hardware	$	519.00
M79319H	24" Split Base, Natural W/Hardware	$	519.00
	332 Risers		
M60288H	Adapter Assy Standard to 332, Natural w/ Hardware	$	403.00
M61035	8" Natural W/Hardware	$	428.00
M60560	12" Natural W/Hardware	$	445.00
M60560C	12" Powder Coated W/Hardware	$	458.00
M42570N	12" Split Natural W/Hardware	$	360.00
M42570C	12" Split Powder Coated W/Hardware	$	363.00
M42541N	14" Natural W/Hardware	$	399.00
M42496N	16" Natural W/Hardware	$	400.00
M61494	18" Natural W/Hardware	$	535.00
M64676N	24" Natural W/Hardware	$	842.00

EDI Cabinet Accessories

0	0	$	-
ADU-2220	Auxiliary Display Unit for 48VDC	$	619.00
CMUIP-2212-HV	Cabinet Monitor Unit w/Ethernet port 120VAC	$	836.00
CMUIP-2212-HV-CAN	Cabinet Monitor Unit w/Eth port & Fast Flash 120VAC	$	836.00
CMUIP-2212-LV	Cabinet Monitor Unit w/Ethernet port 48VDC	$	883.00
EDI-2202-HV	High Density Switch Pack Flasher Unit for 120 VAC	$	268.00
EDI-2202-LV	High Density Switch Pack Flasher Unit for 48 VDC	$	240.00
SIU-2218	Serial Interface Unit, Half Width	$	326.00
PS2216-24-HV	Model 2216-24 Power Supply for 90-270VAC	$	556.00
PS2216-2412-HV	Model 2216-2412 Power Supply for 90-270VAC	$	680.00
PS2217	PS2217 ATC Cabinet Power Supply	$	272.00
PS2219	PS2219 LPLVC Cabinet Power Supply	$	272.00
PS2248-HV	PS2248 ATCC HV Power Supply	$	623.00
MONITORKEY-USB	CMU Data Key Programming Tool USB interface	$	574.00
495-4000	Monitor Red Program Key, Mem.Key 4K	$	30.00
NEMA Monitors	0	$	-
MMU2-16LEIP	16 Ch. LCD Enhanced TS2 Smart Monitor	$	1,212.00
MMU2-1600 GE	Reno 16 Ch LCD Enhanced TS2 NEMA Monitor	$	2,105.00
MMU16LE-PGM-CARD	MMU / MMU2 Program Card	$	70.00
Caltrans/33x/2070 Monitors	0	$	-
EDI-2018KCLIP	18 Ch. 2070 type Monitor with Datakey	$	1,094.00
EDI-2018KCLIP-CAN	18 Ch. 2070 type Monitor with Datakey Canada	$	1,094.00
EDI-2010ECLIP	170/2070 type Monitor with Ethernet Port	$	1,023.00
EDI-2010ECLIP-CAN	170/2070 type Monitor Ethernet Port-Canada	$	1,023.00
EDI-210PB	210/2010 Program Board	$	51.00
EDI-2018PB	2018 Program Board	$	62.00
BIU	0	$	-
BIU-700	Bus Interface Unit	$	305.00
BIU-700-H	Bus Interface Unit Half Width	$	305.00
BIU-700-L	Bus Interface Unit with Latch	$	323.00
Power Supplies	0	$	-
PS175B	TS-1 Heavy Duty Rack Power Supply	$	244.00
PS206L	Switching Cabinet Power Supply	$	286.00
PS206S	Switching Cabinet Power Supply	$	286.00
PS250	TS-2 Heavy Duty Cabinet Power Supply	$	503.00
PS250-225	TS-2 HD Power Supply, 220V 50/60Hz	$	657.00

Reno CPS-TS2-LCD	Reno CPS-TS2 POWER SUPPLY - FINAL ASSEMBLY	$	805.00
Reno Q-24	Reno Q-24 Power Supply	$	447.00
NEMA MMU Legacy Monitors	0	$	-
MMU16E-CAN	16 Ch. Enhanced TS2 NEMA Monitor	$	1,216.00
MMU16E	16 Ch. Enhanced TS2 NEMA Monitor	$	1,216.00
MMU16E-225	16 Ch. Enh. TS2 NEMA Monitor, 220V/50Hz	$	1,290.00
MMU16E-226	16 Ch. Enh. TS2 NEMA Monitor, 220V/60Hz	$	1,290.00
MMU16E-BS	16 Ch. Enhanced TS2 NEMA Monitor	$	1,216.00
MMU16EIP-LSU	16 Ch. Enh. TS2 NEMA Monitor, Ethernet	$	1,923.00
MMU16-EXT-CARD	MMU16E/LE Test Program Card	$	247.00
MMU16LE-PGM-CARD	MMU / MMU2 Program Card	$	70.00
MMU2-16LE	16 Ch. LCD Enhanced TS2 Smart Monitor	$	1,222.00
MMU2-16LE-CAN	16 Ch. LCD Enhanced TS2 Smart Monitor	$	1,222.00
NEMA NSM Legacy Monitors	0	$	-
NSM12E	12 Ch. Enhanced NEMA Monitor	$	1,063.00
NSM12E-CAN	12 Ch. Enhanced NEMA Monitor	$	1,063.00
NSM3E	3 CH. NEMA Monitor	$	886.00
NSM6E	6 Ch. Enhanced NEMA Monitor	$	982.00
NEMA SSM Legacy Monitors	0	$	-
SSM12LE	12 Ch. LCD Enhanced NEMA Monitor	$	1,061.00
SSM12LEC	12 Ch. LCD Enh. NEMA Mon w/EPAC Comm.	$	1,173.00
SSM12LE-CAN	12 Ch. LCD Enh. NEMA Monitor, Canada	$	1,061.00
SSM12LEC-DE	12 Ch. LCD Enh. NEMA Mon w/EPAC Comm.	$	1,173.00
SSM12LEIP	12 CH. LCD Enhanced NEMA Mon w/ethernet	$	1,274.00
SSM12LEIP-CAN	12 CH. LCD Enhanced NEMA Mon w/ethernet	$	1,274.00
SSM6LE	6 Ch. LCD Enhanced NEMA Monitor	$	1,014.00
SSM6LEC	6 Ch. LCD Enh. NEMA Mon. w/ EPAC comm.	$	1,134.00
SSM6LEC-CAN	6 Ch. LCD Enhanced NEMA Monitor w/ EPAC	$	1,134.00
SSM6LEIP	6 CH. LCD Enhanced NEMA Mon w/ethernet	$	1,265.00
SSM6LEIP-CAN	6 CH. LCD Enhanced NEMA Mon w/ethernet	$	1,265.00
Caltrans 210 Legacy Monitors	0	$	-
EDI-210	170 Caltrans Standard Monitor	$	744.00
EDI-210C	170 Standard Monitor	$	744.00
EDI-210C-EUG	210C Monitor Eugene OR	$	744.00
EDI-210C-OMH	210C Monitor Omaha	$	744.00
EDI-210C-OR	170 Standard Monitor, Oregon	$	744.00
EDI-210NYR	170 Monitor, EIA232 for State of NY	$	1,026.00
EDI-210NYRIP	170 Monitor, EIA232 with Ethernet for State of NY	$	1,023.00
Caltrans 2010 Legacy Monitors	0	$	-
EDI-2010ECL	170/2070 Monitor, EIA232	$	1,026.00
EDI-2010ECL-115	170/2070 Monitor, EIA232, 110VAC 50Hz	$	1,142.00
EDI-2010ECL-225	170/2070 Monitor, EIA232, 220VAC 50Hz	$	1,143.00
EDI-2010ECL-CAN	170/2070 Monitor, EIA232, Canada	$	1,026.00
EDI-2010ECL-LACO	170/2070 Monitor EIA232 LA County	$	1,026.00
EDI-2010ECL-MD	170/2070 Monitor, EIA232, DADE	$	1,026.00
EDI-2010ECL-NC	170/2070 Monitor, EIA232, NC	$	1,026.00
EDI-2010ECL-VA	170/2070 Monitor, EIA232, Virginia	$	1,026.00
Caltrans 2018 Legacy Monitors	0	$	-
EDI-2018ECLIP	18 Ch 170/2070 Monitor w/ Ethernet Port	$	1,232.00
EDI-2018ECLIP-CAN	18 Ch 170/2070 Monitor w/ Ethernet Port	$	1,232.00
EDI-2018ECLIP-NC	18 Ch 170/2070 Monitor w/ Ethernet Port	$	1,232.00
EDI-2018ECL-LAX	18 Channel 2070 Monitor, EIA232	$	1,088.00
EDI-2018ECL-NC	18 Channel 2070 Monitor, EIA232	$	1,088.00
Loop Detectors - EDI	0	$	-

LM222	2 CH. Rack Mount Detector	$	137.00
LM622	2 CH. NEMA TS2 Rack Detector	$	137.00
LMD222	2 CH. Detector, Rack Mt.w/Deflectometer	$	143.00
LMD224	4 CH. Detector, Rack Mt.w/Deflectometer	$	314.00
LMD301T	Single Ch. Shelf Det. w/Deflectometer	$	242.00
LMD304	4 CH. Shelf Mount Det. w/Deflectometer	$	438.00
LMD622	2 CH. DFLCT Rack TS2 Detector	$	143.00
LMD622T	2 CH. DFLCT Rack TS2 Detector w/Timing	$	172.00
LMD624	4 Ch. DFLCT TS2 Rack Mount Detector	$	314.00
LMD624H	4 CH. TS2 Rack Mount Half Width Det.	$	313.00
LMD624T	4 Ch. DFLCT TS2 Rack Mount Det. w/Timing	$	348.00
LMD632T-VA	2 CH Rack Det. w/Timing & Count Output	$	347.00
ORACLE2E	2 CH. LCD Rack Mount Detector	$	277.00
ORACLE2EC	2 CH. LCD Rack Mount Det w/Count Outputs	$	347.00
ORACLE2ECX	2 CH. LCD Rack Mount Det w/Count & Comm.	$	381.00
ORACLE4E	4 CH. LCD Rack Mount Detector	$	391.00
ORACLE4ECX	4 CH. LCD Rack Mount Det w/Count & Comm	$	569.00
ORACLE4H	4 CH. LCD Rack Mount Half Width Detector	$	383.00
ORACLE4HCX	4 Ch LCD Half Width Rack Mount Detector w/Count	$	548.00
ORACLES1E	Single CH. LCD Shelf Mount Det	$	314.00
ORACLES1EC	Single CH. LCD Shelf Mount Detector	$	383.00
Loop Detectors - Reno	0	$	-
C-1100-B-SS	332/170 LCD BICYCLE Detector SS OUTPUT	$	653.00
C-1100-SS	332/170 LCD 2 Ch 12/24VDC SS	$	466.00
C-1101-B-SS	332/170 LCD Bicycle Detector SS Out Count	$	731.00
C-1101-SS	332/170 LCD 12/24VDC 2 Ch TRUE COUNT	$	653.00
C-1103-SS	332/170 LCD 12/24VDC 2 Ch COUNT AND FAIL	$	653.00
C-1200-B-SS	Model C-1200 BICYCLE Detector SS	$	653.00
C-1200-SS	NEMA TS1/TS2 12/24VDC 2CH TS2 OUTPUT	$	466.00
C-1201-B-SS	Model C-1201 BICYCLE Detector SS COUNT	$	731.00
C-1201-SS	USE C-1201A-SS	$	653.00
C-1203A-SS	NEMA TS1/TS2 12/24VDC 2CH COUNT AND FAIL	$	653.00
E/2-1200-B-SS	Model E BICYCLE Detector SS	$	1,105.00
E/2-1200-SS	NEMA TS1/TS2 LCD 12/24VDC 4 Ch 1.2IN FP	$	677.00
E-1200-B-SS	4 Ch LCD BICYCLE Detector SS	$	1,105.00
E-1200-SS	NEMA TS1/TS2 12/24 VDC 4CH TS2 OUTPUT	$	677.00
G-200-SS	Detector DIP NEMA TS1/TS2 12/24VDC 2 CH	$	234.00
GT-200-SS	Detector DIP NEMA TS1/TS2 12/24VDC 2CH with Timing	$	310.00
L-1200-R	LCD Detector NEMA TS1 10PIN MS 1CH 120V	$	527.00
RAE-222	TS1/170/2070 DIP 24VDC 2CH SS	$	216.00
T-110-R	DIP NEMA TS1 10-PIN 1CH TIMING 120VAC	$	356.00
Y/2-200-SS	4 CH TS1/TS2 Half Width Rack Mount Detector	$	389.00
Y-200-SS	4 CH TS1/TS2 Rack Mount Detector	$	389.00
Load Switch, Flasher, Flash Transfer Relays, Isolators	0	$	-
EDI-204	Model 204 Flasher Caltrans	$	30.00
EDI-510	Discrete Load Switch Use for: EDI-200, LS-200	$	29.00
EDI-510-225	Discrete Load Switch 220VAC 50Hz	$	48.00
EDI-810	Dual Circuit Type 3 Flasher Use for: FL-200	$	30.00
EDI-810-225	Dual Circuit Type 3 Flasher Use for: FL-200	$	50.00
TR-200i	New! Flash Transfer Relay Poly Touch Safe	$	-
TR-200	Reno Flash Transfer Relay	$	33.00
EDI-242L	242L DC Isolator	$	53.00
EDI-242-LAX	242L DC Isolator	$	57.00
EDI-244L	244L DC Isolator	$	83.00

Legacy Load Switch, Flasher, Flash Transfer Relays, Isolators	0	$	-
EDI-200	Model 200 Load Switch	$	29.00
LS-200	Reno Discrete RAE Load Switch	$	37.00
FL-200	Reno Labeled Flasher	$	37.00
Monitor Recertification	0	$	-
Recert	Monitor Recertification, 2 Years	$	197.00
	EDI Repairs		
EDIREPAIR	SIU, BIU,HDSP,ADU, Power Supply	$	189.00
EDICMUREPAIR	CMU Repair	$	363.00
	Houston McCain Parts		
M35368	10029002; CABINET, CONTROLLER ASSEMBLY MODEL 340	$	33,687.00
F02-Type 1	ATC Cabinet Assembly w/o Controller and with plug ins	$	31,496.00
M35545	10029003; CONTROLLER, ITS CABINET ASSEMBLY 342	$	25,843.00
M31463	CABINET, CONTROLLER ASSEMBLY MODEL 332	$	21,894.00
M35546	10029004; CONTROLLER, ITS CABINET ASSEMBLY 346	$	21,149.00
M54372	10028994; CONTROLLER, TRAFFIC SIG, MODEL 2070C	$	3,030.00
M62078	10029012; CONTROLLER,ITS CABINET OUTPUT ASSEMBLY 1	$	2,252.00
M30528	10029049; MONITOR, TRAFFIC CONTROLLER, CONFLICT, Model 332	$	1,347.00
M23186	10029058; MONITOR, CONFLICT, 12-CHAN, PROGRAMMABLE	$	1,328.00
M64915-3/M64914	10029041; PANEL, TRAFFIC, FIELD OUTPUT, W/MOUNTING BRACKETS	$	1,207.00
M64935	10029011; CONTROLLER,ITS CABINET OUTPUT ASSEMBLY 6 PACL	$	1,177.00
M62869	10029033; COMMUNICATION DEVICE, PDA 5EP	$	1,146.00
M52805	10055622; CPU Module 1-C	$	1,115.00
M36028	10029025; FLASHER, MONITOR, ITS CABINET UNIT	$	998.00
M36028	EDI CMU-212 Cabinet Moniter Unit	$	998.00
M45581	1057787; GPS (Time Source) Module for 2070 COntroller	$	794.00
M69333	10029032; MOUNT, RACK , 24V, TRAFFIC CONTROLS Power Supply	$	715.00
M69025	10029010; CONTROLLER, ITS CABINET,INPUT UNIT	$	697.00
M15498	10029051; COMMUNICATION DEVICE, 332 PDA	$	667.00
M57555	10028989; FRONT UNIT, FRNT PANEL ASSY, TYPE 2070-3	$	452.00
M34482	10029028; FLASHER, TRAFFIC SIGNAL, SERIAL INTERFACE Unit	$	400.00
M34480	10029027; FLASHER, MONITOR, ITS AUXILIARY UNIT	$	394.00
M66158/M19275/M17910/M50405/M50406/M50407	10038950; SIGNAL, TRAFFIC, 12", D-3, YELLOW W/LEDS	$	380.00
M60288H	10021032; ADAPTER, BASE 332 CABINET	$	353.00
M77873	10029000; POWER SUPPLY, MODULE, 2070-4A	$	318.00
M69256	10029008; CONTROLLER,ITS CABINET DC POWER ASSEMBLY	$	311.00
M69328	10029035; PANEL, TRAFFIC, TERMINATION, FIBER OPTIC	$	305.00
M64917	10029005; CONTROLLER,ITS CABINET ASSEMBLY SRVC PAN	$	295.00
M50063	10000291; LOUVER, PROGRAMMABLE 12IN BLACK	$	281.00
M35579	10029052; POWER SUPPLY, 332, MODEL 206-24V, SPARE	$	254.00
M55127	10029045; MODEM, TRAFFIC, RED MONITOR CARD SAFETRA	$	217.00
M50482	10029046; MODEM, TRAFFIC, RED MONITOR CARD EAGLE	$	217.00
M15541	10029047; MODEM, TRAFFIC, RED MONITOR CARD MCCAIN	$	217.00
M68156	10029036; PANEL, SERVICE, PLUG IN SURGE ARRESTOR	$	199.00
M68373	10029029; FLASHER, DETECTOR, LOOP, SENSOR UNIT	$	161.00
M69255	10029007; CONTROLLER,ITS CABINET CLEAN AC ASSEMBLY	$	152.00
M69255	10029006; CONTROLLER, ITS CABINET RAW/CLEAN AC PWR	$	152.00
M18032	BACKPLATE, 5- SECTION LOUVERED-EAGLE	$	130.00
M14317/M14318	10029053; CABINET PARTS,DOOR LATCHES/LOCKS ASSEMBLIES	$	89.00
M17975	BACKPLATE, 4- SECTION LOUVERED-EAGLE	$	80.00
M66156	10053568; SIGNAL, TRAFFIC, 12", D1, YELLOW NO/LED	$	67.00
M56812	10029030; ISOLATOR, DC, TWO CHANNEL, MODEL 242	$	64.00
M69321	10028948; CONNECTOR, HARNESS, CABINET TYPE DCP	$	51.00

M69313	10028949; CONNECTOR, HARNESS, CABINET TYPE SB1	$	51.00
M69317	10028947; CONNECTOR, HARNESS, CABINET TYPE CDC	$	48.00
M69376A	10029009; CONTROLLER, ITS CABINET,TERMINATOR UNIT	$	48.00
M11422	10029031; ISOLATOR, AC, TWO CHANNEL MODEL 252	$	46.00
M11422	10029031; ISOLATOR, AC, TWO CHANNEL MODEL 252	$	46.00
M84942	10029026; FLASHER, MONITOR, SERIAL, MEMORY KEY	$	41.00
M36571	10029054; CABINET PARTS, Interior LED cabinet light	$	38.00
M11556	RELAY, TRAFFIC LIGHT FLASHER 120V 2 POLE	$	32.00
M11367	SWITCH, LOAD SOLID STATE MODEL 200	$	32.00
M69137/M69136	10029015; CONTROLLER, ITS CABINET ADDRESS PLUG/SOC	$	32.00
M11367	10029022; CONTROLLER, SWITCH PACK UNIT	$	32.00
M11373	10029023; FLASHER, SIGNAL MODEL 204, TRAFFIC	$	32.00
M11556	10029024; FLASHER, TRANSFER RELAY UNIT	$	32.00
M35344	10029038; PANEL, PLUG IN,INPUT TERMINAL SURGE ARRESTOR	$	29.00
M14765	10029042; MODEM, TRAFFIC, SERVICE TERMINAL BLOCK	$	27.00
M69320	10028946; CONNECTOR, HARNESS, CABINET TYPE CC	$	24.00
M73486	10029037; PANEL, PLUG IN, OUTPUT ASSEMBLY SURGE AR	$	20.00
M14673/M14674	10029057; CABINET PARTS, TRAFFIC, FAN	$	20.00
M30587	10000211; CLOSURE CAP, PLASTIC, OCTAGONAL 7/8" BLK	$	15.00
M30586	10000212; CLOSURE CAP, PLASTIC, OCTAGONAL 7/8" YELLOW	$	15.00
M69284	10029020; CONNECTOR, HARNESS, CABINET TYPE SB3	$	15.00
M65826	10028945; CONTROLLER, TRAFFIC, PLUG, ADDRESS CODE	$	13.00
M17493	10029055; CABINET PARTS,FURNACE FILTER, 6"X16"X1"	$	13.00
M12116	10029056; CABINET PARTS, FURNACE FILTER,12"X16"X1"	$	10.00
M12521	10029013; CONTROLLER, ITS CABINET ASSEMBLY RED FLA Program Blocks	$	6.00
M12522	10029014; CONTROLLER, ITS CABINET ASSEMBLY WHT FLA Program Blocks	$	6.00

Traffic Cabinets

McCain NEMA Cabinets

M47800	P44 Cabinet TS2-1, Nat, Includes BIUs, MMU 16LEiP, FL, 204, PDC, SSF-88, 430 FTR, LS, 200, PDC SSS-88, EDI PS250, ATC eX2 NEMA Controller w/ Omni Software	$	19,607.00
M74985	McKinney P44 Cabinet TS2-1, 2 Door Nat out/white in, Includes BIUs, MMU 16LEiP, FL, 204, PDC, SSF-88, 430 FTR, LS, 200, PDC SSS-88, EDI PS250,	$	19,254.00
M76680	Farmers Branch P44 Cabinet TS2-1, 6 LS, 24CH 2 Door Nat, Includes BIUs, MMU 16LEiP, FL, 204, PDC, SSF-88, 430 FTR, LS, 200, PDC SSS-88, EDI PS250,	$	17,128.00

McCain ITS Cabinets

M62850	Harris County 340 ITS Cabinet Includes 2070 ATC Controller, CMU-212, AMU-214, SIU-218, Locks, Flashers, Load Swiches, DC and AC Isolators, 222S Detectors and 430 Xfer Relays	$	28,956.00
193202	Houston 340 ITS Cabinet (With Controller and GPS)Includes 2070 1B Controller with 7A and GPS Modules, CMU-218, AMU-212, SIU-218, Locks, Flashers, Load Swiches, DC and AC Isolators, 222S Detectors and 430 Xfer Relays	$	32,168.00
M62854	Houston 342 ITS Cabinet Includes 2070L Controller with 7A and GPS Modules, CMU-212, AMU-214, SIU-218, Locks, Flashers, Load Swiches, DC and AC Isolators, 222S Detectors and 430 Xfer Relays	$	22,073.00
M62855	Houston 346 ITS Cabinet Includes 2070L Controller with 7A and GPS Modules, CMU-212, AMU-214, SIU-218, Locks, Flashers, Load Swiches, DC and AC Isolators, 222S Detectors and 430 Xfer Relays	$	19,730.00
193201	332 San Antonio Cabinet Includes 2070E Controller, CMU-212, Anchor Bolts, Locks, Flashers, Load Swiches, DC and AC Isolators and 430 Xfer Relays (Add 270E Controller)	$	12,262.00
M76287	332S San Antonio Cabinet (Add Controller) Includes CMU-212, Anchor Bolts, Locks, Flashers, Load Swiches, DC and AC Isolators and 430 Xfer Relays	$	12,525.00
193203	332 El Paso Cabinet Includes 170-2C Controller, CMU-210, Anchor Bolts, Locks, Flashers, Load Swiches, DC and AC Isolators, Fiber and Voice Modems and 430 Xfer Relays	$	18,960.00

193201 DAL	332 Dallas 18 Channel Cabinet (Add Controller) Includes 7 Flash Xfer Relays, 4 FL 204 PDC SSF-88, 6 ISO DC 242L, 2 ISO AC 252 PDC ACI-88, 18 LS 200 PDC SSS-88, 2018 KCLiP	$	14,396.00
193201 DAL	336S Dallas 18 Channel Cabinet (Add Controller) Includes 4 Flash Xfer Relays, 4 FL 204 PDC SSF-88, 4 ISO DC 242L, 1 ISO AC 252 PDC ACI-88, 12 LS 200 PDC SSS-88, 2018 KCLiP	$	10,281.00
M32644	332 Irving Cabinet (Add Controller) Includes CMU-2010 ECLiP, LMD 622T Detectors, Locks, Aux File, Flashers, LS 200 Load Swiches, 242 DC Isolators and Flash Xfer Relays	$	17,215.00
193201 LUB	332 Lubbock Cabinet (Add Controller) Includes Flashers, LS 200 Load Swiches, 242 DC Isolators and Flash Xfer Relays	$	14,737.00
193216	332 Austin Cabinet (Add Controller) Includes Both Doors Louvered, Flashers, LS 200 Load Swiches, 242 DC Isolators and Flash Xfer Relays	$	13,481.00
0	332 Fort Worth Cabinet (Add Controller) Includes Aux Output File, 14 LS 200 Load Swiches, 4 242L DC Isolators and 6 Flash Xfer Relays, 2018 KCLiP CMU, 4 Anchor Bolts	$	12,233.00
0	336S2 Fort Worth Cabinet (Add Controller) 12 LS 200 Load Swiches,3 FL 204's, 4 242L DC Isolators, 1 ISO 252 and 4 Flash Xfer Relays, 2018 KCLiP CMU, Bracket Pole Mnt and Bottom Plate	$	10,935.00
	McCain ATC Cabinets		
193215	358i ATC Backpack Cabinet, Fully Loaded, NO Controller,	$	9,786.00
M53391	358i ATC STRETCH Backpack Cabinet, Fully Loaded, NO Controller,	$	10,106.00
M54123	352i Cabinet ATCC-HV, IA-24CH, OA-16CH, FOTA, SA, Nat	$	15,941.00
193223	352i Cabinet ATCC-HV, IA-24CH, FITA-24CH, (2) FOTA-16CH	$	20,937.00
193209	350i ATC Cabinet 16 Ch OP, Fully Loaded, NO Controller,	$	19,223.00
M56764	350i ATC Cabinet 32 Ch OP, 3 SIU's Fully Loaded, NO Controller,	$	24,022.00
M59267	350i ATC Cabinet 32 Ch OP, 4 SIU's Fully Loaded, NO Controller,	$	24,002.00
	McCain Agency Specific ATC Cabinets		
M78586	353i ATCC-HV Allen IA-24CH, OA-32CH, FOTA 16CH(2), SA,Gen Inlet Cabinet Includes CMU, 9 LS 2202 Flashers, SIU 2218-MC, 6 Detection Suppressors, 9 HDSP Suppressors, ISO DC 244L 4CH HalfWidth LS, 2202 Load Switches	$	24,644.00
M78586A	353i ATCC-HV Allen (With 8 Relays and 8 Load Switches REMOVED) IA-24CH, OA-32CH, FOTA 16CH(2), SA,Gen Inlet Cabinet Includes CMU, 9 LS 2202 Flashers, SIU 2218-MC, 6 Detection Suppressors, 9 HDSP Suppressors, ISO DC 244L 4CH HalfWidth LS, 2202 Load Switches	$	21,817.00
193204MC	352i Montgomery Cnty ATCC-HV, IA-24CH, FITA-24CH, OA-16CH, SA, NAT Cabinet (Add Controller) Includes CMU-2212 LV-MC 32 Channel w/ Ethernet port, 2 SIU-2218's, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply and Isolators	$	16,139.00
M56764	350i Cedar Park ATCC-HV, IA-24CH, FITA-24CH, OA-16CH, SA (TWO FLASHER), NAT Cabinet (Add Controller) Includes CMU-2212 LV-MC 32 Channel w/ Ethernet port, 2 SIU-2218's, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply and Isolators	$	24,022.00
193206	352i Coppell Cabinet Black outside, White Inside NO Controller, Includes CMU-2212 HV (ip) 24 Channel w/ Ethernet port, 2 SIU-2218's, 2 13" Shelves EIA Mount, Aux Unit Display, Locks, 9 ATC Flashers, 8 Load Switches, 8 HDSP Supressors, 3 242L Isolatorss, and 24 HV ATC Power Supply. Din Rail and Generator Outlet	$	16,128.00
193204	350i Fort Worth Cabinet Add Controller 1 FOTA-16CH, Includes CMU-2212 HV (ip) 32 Channel w/ Ethernet port, 2 SIU-2218's, 2 10" Shelves EIA Mount, Aux Unit Display, Locks, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply	$	24,002.00
M73473A	350i Fort Worth Cabinet Add Controller (2 FOTA-16CH), Includes CMU-2212 HV (ip) 32 Channel w/ Ethernet port, 2 SIU-2218's, 2 10" Shelves EIA Mount, Aux Unit Display, Locks, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply	$	18,398.00
193204	352i Fort Worth Cabinet Add Controller 1 FOTA-16CH, Includes CMU-2212 HV (ip) 32 Channel w/ Ethernet port, 2 SIU-2218's, 2 10" Shelves EIA Mount, Aux Unit Display, Locks, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply	$	15,855.00

M55409	352i Fort Worth Cabinet Add Controller (2 FOTA-16CH), Includes CMU-2212 HV (ip) 32 Channel w/ Ethernet port, 2 SIU-2218's, 2 10" Shelves EIA Mount, Aux Unit Display, Locks, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply	$	20,310.00
M76382	356i Fort Worth Cabinet Add Controller IA - 24 CH, FITA 24CH V, OA-16CH, SA-ONE Flasher, Includes CMU-2212 HV (ip) 32 Channel w/ Ethernet port, 2 SIU-2218's, Bracket and Pole Mount Assy, Locks, 8 ATC Flashers, 9 Load Switches, Etherwan EX42008	$	14,313.00
0	352i Dallas ATCC-HV, Stretch IA-48CH, 1 FITA-24CH, OA-32CH, 2 FOTA-16CH, DUALSA, Natural Includes 18 LS 2202-HV-MC HDSP Flashers, 4 SIU-2218's, Rack Mount CMU, 2212 HV-MC(ip), 32 Channel w/ Ethernet port, 12 Detection Suppressors, HESCO HE6LC-6, 16 HDSP Suppressor HESCO HE103C-9 ITS Commander, CMU Datakey Programer	$	25,410.00
193204 DAL	352i Dallas ATCC-HV, IA-48CH, 2 FITA-24CH, OA-32CH, 2 FOTA-16CH, SA, Includes 18 LS 2202-HV-MC HDSP Flashers, 4 SIU-2218's, CMU, 2212 HV-MC(ip), 32 Channel w/ Ethernet port, 12 Detection Suppressors, HESCO HE6LC-6, 16 HDSP Suppressor HESCO HE103C-9	$	21,333.00
0	352i Dallas ATCC-HV, IA-48CH, 2 FITA-24CH, OA-16CH, FOTA-16CH, SA, Includes Dual Flasher Service Assy, 10 LS 2202-HV-MC HDSP Flashers, 3 SIU-2218's, CMU, 2212 HV-MC(ip), 32 Channel w/ Ethernet port, 12 Detection Suppressors, HESCO HE6LC-6, 8 HDSP Suppressor HESCO HE103C-10	$	17,718.00
193217	353i Garland (and Grapevine Allen) Cabinet Includes Aux Display, Input Test Panel/Card, 9 LS 2202 Flashers, 2 SIU 2218-MC, 12 Suppressors, 8 HDSP Suppressors, 4 EDI Oracle 4H Det, EDI, ISO DC 242 4CH HalfWidthLS 200 Load Switches, 242 DC Isolators and Flash Xfer Relays	$	20,575.00
M76592	352i Garland Cabinet NO Controller, Includes CMU-2212 HV (ip) 16 Channel w/ Ethernet port, 2 SIU-2218's, 2 10" Shelves EIA Mount, Aux Unit Display, BEST Locks, 1 ATC Flasher, 8 Load Switches, and 24 HV ATC Power Supply	$	18,381.00
M91004	353i ATCC-HV Grapevine Cabinet IA-24CH,FITA-24CH, OA-16CH,SA, Gen Inlet, NAT/WHITE, Input Test Panel, 9 LS 2202 Flashers, 2 SIU 2218-MC, 6 Suppressors, 9 HDSP Suppressors, 4 EDI Oracle 4H Det, ISO DC 244L 4CH HalfWidth, LS 2202 Load Switches	$	19,756.00
193217WYLIE	353i ATCC-HV Wylie Cabinet IA-24CH,FITA-24CH, OA-16CH, NAT/ WHITE, 9 LS 2202 Flashers, 2 SIU 2218-MC, 6 Suppressors, 9 HDSP Suppressors, 4 EDI Oracle 4H Det, ISO DC 244L 4CH HalfWidth, LS 2202 Load Switches	$	18,864.00
0	353i ATCC-HV Highland Park Cabinet W/ $350 P44 Riser,IA-24CH,FITA 24CH, FOTA-16CH, OA-16CH, SA-HOR, HP Green, Gen Plug, CMU 2212-HV-MC 32CH w/ Ethernet port, 9 LS 2202 Flashers, 2 SIU 2218-MC, 12 Detection Suppressors, 8 HDSP Suppressors, 4 EDI Oracle 4H Det, Cable TS1/TS2 power, ISO DC 242L , SDLC Hub, Input Test Panel	$	20,209.00
M55515	352i Montgomery County ATCC-HV, IA-24CH, FITA-24CH, OA-16CH, SA, NAT Cabinet (Add Controller) Includes CMU-2212 LV-MC 32 Channel w/ Ethernet port, 2 SIU-2218's, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply and Isolators, Battery Charging Slide out Shelf	$	16,128.00
M73473	350i Montgomery County ATCC-HV, IA-24CH, FITA-24CH, OA-16CH, SA, NAT Cabinet (Add Controller) Includes CMU-2212 LV-MC 32 Channel w/ Ethernet port, 2 SIU-2218's, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply and Isolators	$	19,223.00
M55409A	352i ATCC-HV Lubbock IA-24CH, FITA-24CH, OA-32CH, (2 FOTA-16CH), SA, NAT Cabinet Add Controller, Includes CMU-2212 LV 32 Channel w/ Ethernet port, 2 SIU-2218's, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply	$	20,635.00
M91132	352i ATCC-HV Lubbock IA-24CH, FITA-24CH, OA-16CH, (1 FOTA-16CH), SA, NAT Cabinet (Add Controller), Includes CMU-2212 LV 32 Channel w/ Ethernet port, 2 SIU-2218's, 8 ATC Flashers, 8 Load Switches, and 24 HV ATC Power Supply	$	16,582.00
M78508-SC	353i ATCC-HV Prosper Cabinet IA-24CH,FITA-24CH, OA-16CH, PWDR, (Add Controller) 9 LS 2202 Flashers, 2 SIU 2218-MC, 6 Suppressors, 9 HDSP Suppressors, 4 EDI Oracle 4H Det, ISO DC 244L 4CH HalfWidth, LS 2202 Load Switches	$	19,600.00
M55517-SC	356i ATCC-HV Prosper Cabinet IA-24CH,FITA-24CH, OA-16CH, NAT, (Add Controller)	$	15,666.00

M91096	P44 Rack ATCC-HV Tyler Cabinet IA-24CH,FITA-24CH, OA-16CH, SA, Gen, (Add Controller)	$	19,848.00
M96106	P44 ATCC-HV TYLER 1A 24CH OA, FITA-24CH OA 16CH,FOTA-16CH SA-HOR W/ Gen Trans SW, Natural	$	22,470.00
No Number yet	353i Arlington Cabinet Includes CMU, SIU, HDSP, ADU and CPS (Rack BOM) , Fiber Optic 12 port RackMount (616SMSC) Priced based on Prosper Cabinet 353i above, get Quote	$	19,600.00
M91685	Richardson P44 Rack ATCC-HV, IA-24CH, 2 FITA-24CH, OA-16CH, FOTA-16CH, SA-V-2-FL, Plug Inlet, Nat, Includes 9 LS 2202-HV-MC HDSP Flashers, 2 SIU-2218's, CMU, 4 DC ISOs, TS1/TS2-2 Cable, 12 Detection Suppressors, HESCO HE6LC-6, 8 HDSP Suppressor HESCO HE103C-9	$	17,981.00
M91678-9LS	Richardson P44 Rack ATCC-HV, IA-24CH, 2 FITA-24CH, OA-32CH, FOTA-16CH, SA-V-2-FL, Plug Inlet, Nat, Includes 9 LS 2202-HV-MC HDSP Flashers, 2 SIU-2218's, CMU, 4 DC ISOs, TS1/TS2-2 Cable, 12 Detection Suppressors, HESCO HE6LC-6, 16 HDSP Suppressor HESCO HE103C-9	$	21,246.00
M91678-18LS	Richardson/Rowlett P44 Rack ATCC-HV, IA-24CH, 2 FITA-24CH, OA-32CH, FOTA-16CH, SA-V-2-FL, Plug Inlet, Nat, Includes 18 LS 2202-HV-MC HDSP Flashers, 2 SIU-2218's, CMU, 4 DC ISOs, TS1/TS2-2 Cable, 24 Detection Suppressors, HESCO HE6LC-6, 16 HDSP Suppressor HESCO HE103C-9	$	23,715.00
No Number yet	350i Flower Mound ATCC-HV, IA-24CH, FITA-24CH, OA-32CH, SA, NAT Cabinet/PC White Inside Dual SA Vertical Includes CMU-2212 HV-MC 32 Channel w/ Ethernet port, 2 SIU-2218's, 9 LS 2202-HV-M HDSP Flasher Unit, and 24 HV ATC Power Supply and Isolators (Price Based on Fort Worth One above Get Quote	$	24,002.00
M91564	McKinney P44 Rack ATCC-HV, IA-24CH, 2 FITA-24CH, OA-16CH, FOTA-16CH, SA-V-2-FL, Plug Inlet, Nat, Includes 10 LS 2202-HV-MC HDSP Flashers, 3 SIU-2218's, CMU, 4 DC ISOs, TS1/TS2-2 Cable, 12 Detection Suppressors HESCO HE6LC-6, 8 HDSP Suppressor HESCO HE103C-9, Strobe Light Mount	$	20,680.00
M91567	McKinney P44 Rack ATCC-HV, IA-24CH, 2 FITA-24CH, OA-32CH, FOTA-16CH, SA-V-2-FL, Plug Inlet, Nat, Includes 10 LS 2202-HV-MC HDSP Flashers, 3 SIU-2218's, CMU, 4 DC ISOs, TS1/TS2-2 Cable, 12 Detection Suppressors HESCO HE6LC-6, 16 HDSP Suppressor HESCO HE103C-9, Strobe Light Mount	$	23,420.00
0	Houston Cabinets	$	-
F02-1	350i ATCC-HV HOUSTON TYPE 1,R23 OA32CH,(2)FOTA16CH CLIPS W/AC-BUS,(2)IA24CH W/OPT,(2)R23 FITA24CH,SA-TWO-HV-V,NATURAL	$	26,470.00
F02-2	350i ATCC-HV HOUSTON TYPE 2,R23 OA32CH,(2)FOTA16CH CLIPS W/AC-BUS,IA24CH W/OPT,R23 FITA24CH,SA-TWO-HV-V,NATURAL	$	25,308.00
F02-3	350i ATCC-HV HOUSTON TYPE 3,R23 OA16CH,FOTA16CH CLIPS W/AC-BUS,(2)IA24CH W/OPT,(2)R23 FITA24CH,SA-TWO-HV-V,NATURAL	$	21,746.00
F02-4	350i ATCC-HV HOUSTON TYPE 4,R23 OA16CH,FOTA16CH CLIPS W/AC-BUS,IA24CH W/OPT,R23 FITA24CH,SA-TWO-HV-V,NATURAL	$	20,813.00
F02-5	352i ATCC-HV HOUSTON TYPE 5,R23 OA16CH,FOTA16CH CLIPS W/AC-BUS,IA24CH W/OPT,R23 FITA24CH,SA-TWO-HV-V,NATURAL	$	18,297.00
F02-6	352i ATCC-HV HOUSTON TYPE 6,R23 OA16CH,FOTA16CH CLIPS W/AC-BUS,(2)IA24CH W/OPT,(2)R23 FITA24CH,SA-TWO-HV-V,NATURAL	$	19,735.00
F02-7	16CH-OA R23-1 w/FOTA and Harnesses	$	2,328.00
F02-8	Slim Line FITA 24CH w/ Harness	$	746.00
M91952	ATCC-HV, ITS STYLE FIELD OUTPUT TERMINATION ASSEMBLY 1-16CH	$	451.00
M91953	ATCC-HV, ITS STYLE FIELD OUTPUT TERMINATION ASSEMBLY 17-32CH	$	451.00
M86897	KIT,ATCC AUXILIARY I/O ASSEMBLY - MODEL 2521	$	775.00
	Other Cabinet Items		
200803	Pelco Clear Confirmation Light	$	181.00
161407	ArmorCast Traffic Cabinet Pedestal	$	826.00
PNS10-03-VP4003L	LED Light Strip	$	71.00

Swarco Blank Out and DMS Signs

V12590	TXDOT Arterial DMS Sign	$	51,134.00
TBD	128X32 Front Access Full Color Sign 112.8x28.2x10	$	18,018.00
TBD	432X96 Walkin Full Color Sign 343.2x78.6x45	$	119,757.00
V12440	Variable Speed Limit Sign (VSLS) # V12440	$	8,575.00
V12576	Blank-out 24 x 24 / NRT / # V12576	$	2,869.00
V12578	Blank-out 24 x 24 / NLT / # V12578	$	2,869.00
V12580	Blank-out 24 x 24 / NUT / # V12580	$	2,680.00
V12577	Blank-out 30 x 30 / NRT / # V12577	$	2,907.00
V12579	Blank-out 30 x 30 / NLT / # V12579	$	2,907.00
V12581	Blank-out 30 x 30 / NUT / # V12581	$	3,297.00
V12622	Blank-out 36 x 36 / NRT / # V12622	$	3,857.00
V12623	Blank-out 36 x 36 / NLT / # V12623	$	3,857.00
V12624	Blank-out 36 x 36 / NUT / # V12624	$	4,024.00
SWBlank	Blank-out / Full Matrix / 36 x 36 / TBD		
V12646	Blank-out / Full Matrix / 36 x 36 / TBD	$	5,933.00
V12621	Blank-out / Full Matrix / 48 x 48 / # V12621	$	7,560.00

Trastar Cobra Head Street Lighting LEDs

400900	LED Cobra Head 250 Watt 120 Volt (Duralight)	$	269.00
400902	LED Cobra Head 250 Watt 480 Volt (Duralight)	$	269.00
400901	LED Cobra Head 400 Watt 120 Volt (Duralight)	$	310.00

Pelco Structural Poles

Harris County Mast Arm Poles (Includes Anchor Bolts, Add ILSN Sign Arm if needed)

HC-SP-30-100	HC-SP-30-100	$	9,412.00
HC-SP-30-100L-15	HC-SP-30-100L-15	$	11,285.00
HC-SP-30-100-20' MA	HC-SP-30-100-20' MA	$	12,248.00
HC-SP-30-100-25' MA	HC-SP-30-100-25' MA	$	12,435.00
HC-SP-30-100-30' MA	HC-SP-30-100-30' MA	$	13,649.00
HC-SP-30-100-35' MA	HC-SP-30-100-35' MA	$	14,512.00
HC-SP-30-100-40' MA	HC-SP-30-100-40' MA	$	14,456.00
HC-SP-30-100-42' MA	HC-SP-30-100-42' MA	$	15,274.00
HC-SP-30-100-42' MA	HC-SP-30-100-42' MA	$	15,274.00
HC-SP-30-100-20' MA-L15	HC-SP-30-100-20' MA-L15	$	14,121.00
HC-SP-30-100-25' MA-L15	HC-SP-30-100-25' MA-L15	$	14,309.00
HC-SP-30-100-30' MA-L15	HC-SP-30-100-30' MA-L15	$	15,523.00
HC-SP-30-100-35' MA-L15	HC-SP-30-100-35' MA-L15	$	16,385.00
HC-SP-30-100-40' MA-L15	HC-SP-30-100-40' MA-L15	$	16,191.00
HC-SP-30-100-42' MA-L15	HC-SP-30-100-42' MA-L15	$	17,148.00
HC-SP-30-100-45' MA-L15	HC-SP-30-100-45' MA-L15	$	17,532.00
HC-SP-34-100	HC-SP-34-100	$	10,914.00
HC-SP-34-100L-15	HC-SP-34-100L-15	$	12,788.00
HC-SP-34-100-20' MA	HC-SP-34-100-20' MA	$	13,332.00
HC-SP-34-100-25' MA	HC-SP-34-100-25' MA	$	13,603.00
HC-SP-34-100-30' MA	HC-SP-34-100-30' MA	$	14,472.00
HC-SP-34-100-35' MA	HC-SP-34-100-35' MA	$	15,333.00
HC-SP-34-100-40' MA	HC-SP-34-100-40' MA	$	15,871.00
HC-SP-34-100-42' MA	HC-SP-34-100-42' MA	$	16,097.00
HC-SP-34-100-45' MA	HC-SP-34-100-45' MA		#N/A
HC-SP-34-100-20' MA-L15	HC-SP-34-100-20' MA-L15	$	15,205.00
HC-SP-34-100-25' MA-L15	HC-SP-34-100-25' MA-L15	$	15,477.00
HC-SP-34-100-30' MA-L15	HC-SP-34-100-30' MA-L15	$	16,345.00
HC-SP-34-100-35' MA-L15	HC-SP-34-100-35' MA-L15	$	17,207.00
HC-SP-34-100-40' MA-L15	HC-SP-34-100-40' MA-L15	$	17,864.00

HC-SP-34-100-42' MA-L15	HC-SP-34-100-42' MA-L15	$	17,970.00
HC-SP-34-100-45' MA-L15	HC-SP-34-100-45' MA-L15		#N/A
HC-20'/20' DMA-100L-15	HC-20'/20' DMA-100L-15	$	16,818.00
HC-25'/20' DMA-100L-15	HC-25'/20' DMA-100L-15	$	17,015.00
HC-25'/25' DMA-100L-15	HC-25'/25' DMA-100L-15	$	17,579.00
HC-30'/20' DMA-100L-15	HC-30'/20' DMA-100L-15	$	17,631.00
HC-30'/25' DMA-100L-15	HC-30'/25' DMA-100L-15	$	18,011.00
HC-30'/30' DMA-100L-15	HC-30'/30' DMA-100L-15	$	18,444.00
HC-35'/20' DMA-100L-15	HC-35'/20' DMA-100L-15	$	18,492.00
HC-35'/25' DMA-100L-15	HC-35'/25' DMA-100L-15	$	18,874.00
HC-35'/30' DMA-100L-15	HC-35'/30' DMA-100L-15	$	19,306.00
HC-35'/35' DMA-100L-15	HC-35'/35' DMA-100L-15	$	20,168.00
HC-40'/20' DMA-100L-15	HC-40'/20' DMA-100L-15	$	19,150.00
HC-40'/25' DMA-100L-15	HC-40'/25' DMA-100L-15	$	19,530.00
HC-40'/30' DMA-100L-15	HC-40'/30' DMA-100L-15	$	19,963.00
HC-40'/35' DMA-100L-15	HC-40'/35' DMA-100L-15	$	20,316.00
HC-40'/40' DMA-100L-15	HC-40'/40' DMA-100L-15	$	22,064.00
HC-42'/20' DMA-100L-15	HC-42'/20' DMA-100L-15	$	20,390.00
HC-42'/25' DMA-100L-15	HC-42'/25' DMA-100L-15	$	20,838.00
HC-42'/30' DMA-100L-15	HC-42'/30' DMA-100L-15	$	21,467.00
HC-42'/35' DMA-100L-15	HC-42'/35' DMA-100L-15	$	21,741.00
HC-42'/40' DMA-100L-15	HC-42'/40' DMA-100L-15	$	22,397.00
HC-42'/42' DMA-100L-15	HC-42'/42' DMA-100L-15	$	22,503.00
HC-44'/20' DMA-100L-15	HC-44'/20' DMA-100L-15	$	20,395.00
HC-44'/25' DMA-100L-15	HC-44'/25' DMA-100L-15	$	20,777.00
HC-44'/30' DMA-100L-15	HC-44'/30' DMA-100L-15	$	21,209.00
HC-44'/35' DMA-100L-15	HC-44'/35' DMA-100L-15	$	22,071.00
HC-44'/40' DMA-100L-15	HC-44'/40' DMA-100L-15	$	22,729.00
HC-44'/42' DMA-100L-15	HC-44'/42' DMA-100L-15	$	22,833.00
HC-44'/44' DMA-100L-15	HC-44'/44' DMA-100L-15	$	23,164.00
(4) 2 1/4" Anchor Bolts w/ Temp.	(4) 2 1/4" Anchor Bolts w/ Temp.	$	2,188.00
329017	30-A 1 1/2" 17" Circle Anchor Bolts w/ Templates (4)	$	1,011.00
329019	36-A 1 3/4" 19" Circle Anchor Bolts w/ Templates (4)	$	1,535.00
329027	48-A 2 1/2" 27" Circle Anchor Bolts w/ Templates (4)	$	2,622.00
	TXDOT 80 MPH Mast Arm Poles(Incl Anchor Bolts, Add ILSN Sign Arm if needed)		
SP-30B-80	SP-30B-80	$	8,497.00
SP-30B-80L-8	SP-30B-80L-8	$	9,985.00
SP-34D-80	SP-34D-80	$	9,554.00
SP-34D-80L-8	SP-34D-80L-8	$	11,042.00
20' SMA-80	20' SMA-80	$	7,764.00
20' SMA-80L-8	20' SMA-80L-8	$	9,114.00
24' SMA-80	24' SMA-80	$	7,853.00
24' SMA-80L-8	24' SMA-80L-8	$	9,692.00
28' SMA-80	28' SMA-80	$	8,267.00
28' SMA-80L-8	28' SMA-80L-8	$	10,138.00
32' SMA-80	32' SMA-80	$	8,898.00
32' SMA-80L-8	32' SMA-80L-8	$	11,495.00
36' SMA-80	36' SMA-80	$	10,123.00
36' SMA-80L-8	36' SMA-80L-8	$	12,517.00
40' SMA-80	40' SMA-80	$	10,871.00
40' SMA-80L-8	40' SMA-80L-8	$	13,501.00
44' SMA-80	44' SMA-80	$	11,747.00
44' SMA-80L-8	44' SMA-80L-8	$	14,378.00
48' SMA-80	48' SMA-80	$	12,797.00
48' SMA-80L-8	48' SMA-80L-8	$	15,601.00

50' LMA-80/100	50' LMA-80/100	$	24,535.00
50' LMA-80/100L-8	50' LMA-80/100L-8	$	27,809.00
55' LMA-80/100	55' LMA-80/100	$	24,944.00
55' LMA-80/100L-8	55' LMA-80/100L-8	$	28,773.00
60' LMA-80/100	60' LMA-80/100	$	26,228.00
60' LMA-80/100L-8	60' LMA-80/100L-8	$	29,547.00
65' LMA-80/100	65' LMA-80/100	$	27,231.00
65' LMA-80/100L-8	65' LMA-80/100L-8	$	30,252.00
20'/20' DMA-80	20'/20' DMA-80	$	12,537.00
20'/20' DMA-80L-8	20'/20' DMA-80L-8	$	15,420.00
24'/20' DMA-80	24'/20' DMA-80	$	13,461.00
24'/20' DMA-80L-8	24'/20' DMA-80L-8	$	15,758.00
24'/24' DMA-80	24'/24' DMA-80	$	14,345.00
24'/24' DMA-80L-8	24'/24' DMA-80L-8	$	16,905.00
28'/20' DMA-80	28'/20' DMA-80	$	14,023.00
28'/20' DMA-80L-8	28'/20' DMA-80L-8	$	16,976.00
28'/24' DMA-80	28'/24' DMA-80	$	14,335.00
28'/24' DMA-80L-8	28'/24' DMA-80L-8	$	17,089.00
28'/28' DMA-80	28'/28' DMA-80	$	14,669.00
28'/28' DMA-80L-8	28'/28' DMA-80L-8	$	17,483.00
32'/20' DMA-80	32'/20' DMA-80	$	14,006.00
32'/20' DMA-80L-8	32'/20' DMA-80L-8	$	17,557.00
32'/24' DMA-80	32'/24' DMA-80	$	14,949.00
32'/24' DMA-80L-8	32'/24' DMA-80L-8	$	17,658.00
32'/28' DMA-80	32'/28' DMA-80	$	15,284.00
32'/28' DMA-80L-8	32'/28' DMA-80L-8	$	17,773.00
32'/32' DMA-80	32'/32' DMA-80	$	16,307.00
32'/32' DMA-80L-8	32'/32' DMA-80L-8	$	19,204.00
36'/20' DMA-80	36'/20' DMA-80	$	15,466.00
36'/20' DMA-80L-8	36'/20' DMA-80L-8	$	17,738.00
36'/24' DMA-80	36'/24' DMA-80	$	15,767.00
36'/24' DMA-80L-8	36'/24' DMA-80L-8	$	18,644.00
36'/28' DMA-80	36'/28' DMA-80	$	15,990.00
36'/28' DMA-80L-8	36'/28' DMA-80L-8	$	18,875.00
36'/32' DMA-80	36'/32' DMA-80	$	16,642.00
36'/32' DMA-80L-8	36'/32' DMA-80L-8	$	19,970.00
36'/36' DMA-80	36'/36' DMA-80	$	17,199.00
36'/36' DMA-80L-8	36'/36' DMA-80L-8	$	20,503.00
40'/20' DMA-80	40'/20' DMA-80	$	15,913.00
40'/20' DMA-80L-8	40'/20' DMA-80L-8	$	19,184.00
40'/24' DMA-80	40'/24' DMA-80	$	16,922.00
40'/24' DMA-80L-8	40'/24' DMA-80L-8	$	19,286.00
40'/28' DMA-80	40'/28' DMA-80	$	16,837.00
40'/28' DMA-80L-8	40'/28' DMA-80L-8	$	19,601.00
40'/32' DMA-80	40'/32' DMA-80	$	17,930.00
40'/32' DMA-80L-8	40'/32' DMA-80L-8	$	20,729.00
40'/36' DMA-80	40'/36' DMA-80	$	18,405.00
40'/36' DMA-80L-8	40'/36' DMA-80L-8	$	20,992.00
44'/20' DMA-80	44'/20' DMA-80	$	16,900.00
44'/20' DMA-80L-8	44'/20' DMA-80L-8	$	20,015.00
44'/24' DMA-80	44'/24' DMA-80	$	17,212.00
44'/24' DMA-80L-8	44'/24' DMA-80L-8	$	20,220.00
44'/28' DMA-80	44'/28' DMA-80	$	17,442.00
44'/28' DMA-80L-8	44'/28' DMA-80L-8	$	20,557.00
44'/32' DMA-80	44'/32' DMA-80	$	18,967.00
44'/32' DMA-80L-8	44'/32' DMA-80L-8	$	21,707.00

44'/36' DMA-80	44'/36' DMA-80	$	19,442.00
44'/36' DMA-80L-8	44'/36' DMA-80L-8	$	22,909.00
50'/20' LDMA-80	50'/20' LDMA-80	$	30,790.00
50'/20' LDMA-80L-8	50'/20' LDMA-80L-8	$	34,487.00
55'/28' LDMA-80	55'/28' LDMA-80	$	32,582.00
55'/28' LDMA-80L-8	55'/28' LDMA-80L-8	$	36,354.00
60'/32' LDMA-80	60'/32' LDMA-80	$	34,038.00
60'/32' LDMA-80L-8	60'/32' LDMA-80L-8	$	38,020.00
65'/44' LDMA-80	65'/44' LDMA-80	$	36,950.00
65'/44' LDMA-80L-8	65'/44' LDMA-80L-8	$	39,945.00
8' Luminaire Arm	8' Luminaire Arm	$	1,993.00
	TXDOT 100 MPH Mast Arm Poles(Incl Anchor Bolts, Add ILSN Sign Arm if needed)		
20' SMA-100	20' SMA-100	$	7,909.00
20' SMA-100L-8	20' SMA-100L-8	$	10,389.00
24' SMA-100	24' SMA-100	$	8,522.00
24' SMA-100L-8	24' SMA-100L-8	$	11,056.00
28' SMA-100	28' SMA-100	$	8,932.00
28' SMA-100L-8	28' SMA-100L-8	$	11,549.00
32' SMA-100	32' SMA-100	$	9,874.00
32' SMA-100L-8	32' SMA-100L-8	$	12,806.00
36' SMA-100	36' SMA-100	$	10,646.00
36' SMA-100L-8	36' SMA-100L-8	$	13,395.00
40' SMA-100	40' SMA-100	$	12,528.00
40' SMA-100L-8	40' SMA-100L-8	$	15,142.00
44' SMA-100	44' SMA-100	$	12,965.00
44' SMA-100L-8	44' SMA-100L-8	$	15,781.00
20'/20' DMA-100	20'/20' DMA-100	$	14,276.00
20'/20' DMA-100L-8	20'/20' DMA-100L-8	$	16,967.00
24'/20' DMA-100	24'/20' DMA-100	$	14,926.00
24'/20' DMA-100L-8	24'/20' DMA-100L-8	$	17,435.00
24'/24' DMA-100	24'/24' DMA-100	$	15,622.00
24'/24' DMA-100L-8	24'/24' DMA-100L-8	$	18,185.00
28'/20' DMA-100	28'/20' DMA-100	$	15,422.00
28'/20' DMA-100L-8	28'/20' DMA-100L-8	$	18,584.00
28'/24' DMA-100	28'/24' DMA-100	$	16,075.00
28'/24' DMA-100L-8	28'/24' DMA-100L-8	$	18,853.00
28'/28' DMA-100	28'/28' DMA-100	$	16,467.00
28'/28' DMA-100L-8	28'/28' DMA-100L-8	$	19,350.00
32'/20' DMA-100	32'/20' DMA-100	$	15,937.00
32'/20' DMA-100L-8	32'/20' DMA-100L-8	$	18,581.00
32'/24' DMA-100	32'/24' DMA-100	$	16,688.00
32'/24' DMA-100L-8	32'/24' DMA-100L-8	$	19,360.00
32'/28' DMA-100	32'/28' DMA-100	$	17,440.00
32'/28' DMA-100L-8	32'/28' DMA-100L-8	$	20,388.00
32'/32' DMA-100	32'/32' DMA-100	$	17,827.00
32'/32' DMA-100L-8	32'/32' DMA-100L-8	$	21,001.00
36'/20' DMA-100	36'/20' DMA-100	$	16,963.00
36'/20' DMA-100L-8	36'/20' DMA-100L-8	$	19,100.00
36'/24' DMA-100	36'/24' DMA-100	$	17,175.00
36'/24' DMA-100L-8	36'/24' DMA-100L-8	$	20,172.00
36'/28' DMA-100	36'/28' DMA-100	$	17,450.00
36'/28' DMA-100L-8	36'/28' DMA-100L-8	$	20,454.00
36'/32' DMA-100	36'/32' DMA-100	$	18,131.00
36'/32' DMA-100L-8	36'/32' DMA-100L-8	$	21,728.00
36'/36' DMA-100	36'/36' DMA-100	$	18,873.00
36'/36' DMA-100L-8	36'/36' DMA-100L-8	$	22,387.00

40'/20' DMA-100	40'/20' DMA-100	$	17,242.00
40'/20' DMA-100L-8	40'/20' DMA-100L-8	$	20,498.00
40'/24' DMA-100	40'/24' DMA-100	$	18,003.00
40'/24' DMA-100L-8	40'/24' DMA-100L-8	$	20,574.00
40'/28' DMA-100	40'/28' DMA-100	$	18,832.00
40'/28' DMA-100L-8	40'/28' DMA-100L-8	$	21,910.00
40'/32' DMA-100	40'/32' DMA-100	$	19,973.00
40'/32' DMA-100L-8	40'/32' DMA-100L-8	$	22,829.00
40'/36' DMA-100	40'/36' DMA-100	$	20,506.00
40'/36' DMA-100L-8	40'/36' DMA-100L-8	$	23,443.00
44'/20' DMA-100	44'/20' DMA-100	$	18,957.00
44'/20' DMA-100L-8	44'/20' DMA-100L-8	$	22,090.00
44'/24' DMA-100	44'/24' DMA-100	$	19,282.00
44'/24' DMA-100L-8	44'/24' DMA-100L-8	$	22,423.00
44'/28' DMA-100	44'/28' DMA-100	$	19,641.00
44'/28' DMA-100L-8	44'/28' DMA-100L-8	$	22,842.00
44'/32' DMA-100	44'/32' DMA-100	$	20,749.00
44'/32' DMA-100L-8	44'/32' DMA-100L-8	$	23,919.00
44'/36' DMA-100	44'/36' DMA-100	$	21,242.00
44'/36' DMA-100L-8	44'/36' DMA-100L-8	$	24,546.00
50' LMA-80/100	50' LMA-80/100	$	24,535.00
50' LMA-80/100L-8	50' LMA-80/100L-8	$	27,809.00
55' LMA-80/100	55' LMA-80/100	$	24,944.00
55' LMA-80/100L-8	55' LMA-80/100L-8	$	28,773.00
60' LMA-80/100	60' LMA-80/100	$	26,228.00
60' LMA-80/100L-8	60' LMA-80/100L-8	$	29,547.00
65' LMA-80/100	65' LMA-80/100	$	27,231.00
65' LMA-80/100L-8	65' LMA-80/100L-8	$	30,252.00

Signals and LEDs

Use this Separate LED section for LED's only Quotes, they are duplicated in each signal section also

Leotek P3 single LED Heads

820003	12" Green Ball	$	43.00
820006	12" Green Arrow	$	48.00
820002	12" Yellow Ball	$	43.00
820005	12" Yellow Arrow	$	48.00
820001	12" Red Ball	$	43.00
820004	12" Red Arrow	$	48.00

Leotek 15 Year Warranty DuraTech LED's

820003-15	12" Green Ball- 15 Year Warranty	$	59.00
820006-15	12" Green Arrow - 15 Year Warranty	$	67.00
820002-15	12" Yellow Ball- 15 Year Warranty	$	59.00
820005-15	12" Yellow Arrow - 15 Year Warranty	$	67.00
820001-15	12" Red Ball- 15 Year Warranty	$	59.00
820004-15	12" Red Arrow - 15 Year Warranty	$	67.00

Leotek 8" Bicycle LED's

TP08A-BC-IL	8" Green Bicycle	$	57.00
TP08A-BB-IL	8" Yellow Bicycle	$	57.00
TP08A-BA-IL	8" Red Bicycle	$	57.00

Leotek 12v DC LED's

820062	DC 12" Green Ball	$	56.00
820021 ULP	DC 12" Yellow Ball Ultra Low Power (5 Watt)	$	65.00
820061	DC 12" Yellow Ball	$	56.00

820060	DC 12" Red Ball	$	56.00
	Leotek 48v DC LED's		
820006 48V	12" Green Arrow	$	75.00
820003 48V	12" Green Ball	$	68.00
820005 48V	12" Yellow Arrow	$	75.00
820002 48V	12" Yellow Ball	$	68.00
820004 48V	12" Red Arrow	$	75.00
820001 48V	12" Red Ball	$	68.00
821002 48V	16" Full Hand/Man CD PED - Incand. Look 48 Vdc	$	195.00
	U-Turn and Bi-modal LED's		
82000	12" Grn U-Turn Arrow	$	67.00
82000	12" Yel U-Turn Arrow	$	67.00
82000	12" Red U-Turn Arrow	$	67.00
820010	12" Yellow/Green Bi-Modal Arrow (IL)	$	103.00

One Section Signals

	McCain One Section Signal Heads		
191002	1 Section Poly Head (With Visor) TxDot Black	$	76.00
190000	1 Section Poly Head (With Visor) TxDot Yellow	$	76.00
190103	1 Section Alum Head (With Visor) TxDot Black	$	100.00
190102	1 Section Alum Head (With Visor) TxDot Yellow	$	100.00
	One Section Back Plates		
192101	1 Sec Alum	$	57.00
M17876	1 Sec Alum - Louvered	$	57.00
M18162	1 Sec Poly (Flat)	$	36.00
192101RT	1 Sec Alum w/ 2" Reflective Tape	$	66.00
M44287	1 Sec Alum Louvered w/ 2" Reflective Tape	$	66.00
	One Section Astro Bracs		
AS-0125-1-62-PNC	1Way, 1 Sec (62" Cable)	$	187.00
	One Section Span Wire Assemblies		
200902	Span Wire Assy 1Way 1-Point Mount 1 Sec	$	82.00
201082	Span Wire Assy 2Way 1-Point Mount 1 Sec	$	121.00
200072	Span Wire Assy 3Way 1-Point Mount 1 Sec	$	206.00
201083	Span Wire Assy 4Way 1-Point Mount 1 Sec	$	196.00
Paint Adder	Paint Adder For Brac or Assy (Add Color code Pxx)	$	20.00

Two Section Signals

	Two Section McCain Signals		
2YP	2 Section Poly Head (With Visor) TxDot Yellow	$	151.00
2YA	2 Section Alum Head (With Visor) TxDot Yellow	$	200.00
2BP	2 Section Poly Head (With Visor) TxDot Black	$	151.00
2BA	2 Section Alum Head (With Visor) TxDot Black	$	200.00
	Two Section Back Plates		
192102	2 Sec Alum	$	63.00
M17894	2 Sec Alum - Louvered	$	63.00
M18164	2 Sec Poly (Flat)	$	43.00
192102RT	2 Sec Alum w/ 2" Reflective Tape	$	76.00
M56678	2 Sec Alum Louvered w/ 2" Reflective Tape	$	76.00
	Two Section Astro Bracs		
AS-0125-2-62-PNC	1Way, 2 Sec (62" Cable)	$	197.00
2sec Split	Span Wire Assy, 2-Way, Upper & Lower, Alum	$	105.00
Paint Adder	Paint Adder For Brac or Assy (Add Color code Pxx)	$	20.00
	Two Section Leotek New P3 LED's		
820001	12" Red Ball	$	43.00
820002	12" Yellow Ball	$	68.00

Three Section Signals

	McCain Three Section Signals		
191003TX	3 Section Poly Head (With Visor) TxDot Black	$	217.00
190003TX	3 Section Poly Head (With Visor) TxDot Yellow	$	217.00
190103TX	3 Section Alum Head (With Visor) TxDot Yellow	$	300.00
191103TX	3 Section Alum Head (With Visor) TxDot Black	$	300.00
	Three Section Back Plates		
192103	3 Sec Alum	$	76.00
192103RT	3 Sec Alum w/ 2" Reflective Tape	$	97.00
192103C	3 Sec Alum (HAWK) Cluster fro AB -0168	$	108.00
192113	3 Sec Alum - Louvered	$	74.00
192113RT	3 Sec Alum Louvered w/ 2" Reflective Tape	$	105.00
M61597	3 Sec Alum - Louvered (HAWK) Cluster (Max Border)	$	104.00
192113C	3 Sec Alum - Louvered (HAWK) Cluster (Max Border) w/ 2" Reflective Tape	$	104.00
192003	3 Sec VF, ABS	$	61.00
192003RT	3 Sec VF, ABS with 2" Reflective Tape	$	61.00
0	3 Sec Flat Poly	$	50.00
BK-8000-3-PNC	3 Sec Pelco Aeroflex (No Tape)	$	110.00
BK-1032-A-PNC	3 Sec VF, ABS (Cluster)	$	156.00
	Three Section Astro Bracs		
201160	1Way, 3 Sec (62" Cable)	$	219.00
201160-84	1Way, 3 Sec (84" Cable)	$	220.00
201160-96	1Way, 3 Sec (96" Cable)	$	222.00
201160-120	1Way, 3 Sec (120" Cable)	$	229.00
AB-0168-62-PNC	1Way, 3 Sec (62" Cable) (Cluster) Only use if spec'd	$	405.00
200050	1Way, 3 Sec (62" Cable) w/CGB	$	227.00
AS-0194-3-84-2-PNC	1Way, 3 Sec (84" Cable) w/CGB	$	228.00
200051	1Way, 3 Sec (96" Cable) w/CGB	$	229.00
AS-0194-3-120-2-PNC	1Way, 3 Sec (120" Cable) w/CGB	$	236.00
AB-0150-3-62-PNC	1 Way, 3 Sec (62" Cable) Articulated w/CGB	$	274.00
AB-0150-3-84-PNC	1 Way, 3 Sec (84" Cable) Articulated w/CGB	$	276.00
AB-0150-3-96-PNC	1 Way, 3 Sec (96" Cable) Articulated w/CGB	$	276.00
	Three Section Span Wire Assy		
200150	Span Wire Assy, 1Way 2-Point Mount 3 Sec		#N/A
201177-3	Span Wire Assy, Houston (3 Sec)	$	311.00
SP-3011-TX-3-PNC	3 Sec Signal (Type E) FOR EL PASO	$	164.00
SE-3315-PNC	3 Sec HAWK Cluster w/Universal Hub Plates	$	254.00
20SE-5094-PNC	3 Sec Top and Bottom Mount	$	200.00
Paint Adder	Paint Adder For Brac or Assy (Add Color code Pxx)		#VALUE!
	Three Section Leotek New P3 LED's		
820003	12" Green Ball	$	43.00
820006	12" Green Arrow	$	48.00
820002	12" Yellow Ball	$	43.00
820005	12" Yellow Arrow	$	48.00
820001	12" Red Ball	$	43.00
820004	12" Red Arrow	$	48.00

Four Section Signals

	McCain Four Section Signals		
190004TX	4 Section Poly Head (With Visor) TxDot Yellow	$	288.00
190104TX	4 Section Alum Head (With Visor) TxDot Yellow(Horiz)	$	370.00
191004TX	4 Section Poly Head (With Visor) TxDot Black	$	288.00
191104TX	4 Section Alum Head (With Visor) TxDot Black (Horiz)	$	370.00
0	**Four Section Back Plates**		
192004	4 Sec VF, ABS	$	78.00
192004RT	4 Sec VF, ABS with 2" Reflective Tape	$	73.00

192104	4 Sec Alum	$	111.00
192104RT	4 Sec Alum w/ 2" Reflective Tape	$	155.00
192114	4 Sec Alum - Louvered	$	85.00
192114RT	4 Sec Alum Louvered w/ 2" Reflective Tape	$	166.00
0	4 Sec Flat Poly	$	57.00
0	4 Sec Louisiana Backplate	$	166.00
BK-8000-4-PNC	4 Sec Aeroflex (No Tape)	$	133.00
0	**Four Section Astro Bracs**		
201160-4	1Way, 4 Sec (62" Cable)	$	227.00
201160-4-84	1Way, 4 Sec (84" Cable)	$	229.00
201160-4-96	1Way, 4 Sec (96" Cable)	$	230.00
201160-4-120	1Way, 4 Sec (120" Cable)	$	237.00
AS-0194-4-62	1Way, 4 Sec (62" Cable) w/CGB	$	235.00
AS-0194-4-84	1Way, 4 Sec (84" Cable) w/CGB	$	237.00
AS-0194-4-96	1Way, 4 Sec (96" Cable) w/CGB	$	238.00
AS-0194-4-120	1Way, 4 Sec (120" Cable) w/CGB	$	245.00
AB-0150-4-96-PNC	1 Way, 4 Sec (96" Cable) Articulated w/CGB	$	286.00
	Four Section Span Wire Assy		
200150	Span Wire Assy, 1Way 2-Point Mount 3 Sec		#N/A
200152	Span Wire Assy, Full Piping (4 Sec)	$	378.00
201177	Span Wire Assy, Houston (4 Sec)	$	326.00
SP-3011-TX-4-PNC	4 Sec Signal (Type E) FOR EL PASO	$	172.00
Paint Adder	Paint Adder For Brac or Assy (Add Color code Pxx)	$	27.00
	Four Section Leotek New P3 LED's		
820003	12" Green Ball	$	43.00
820006	12" Green Arrow	$	48.00
820002	12" Yellow Ball	$	43.00
820005	12" Yellow Arrow	$	48.00
820001	12" Red Ball	$	43.00
820004	12" Red Arrow	$	48.00

Five Section Signals

	McCain Five Section Signals		
191005TX	5 Section Poly Head (With Visor) TxDot Black	$	365.00
M32158	5 Section Poly Cluster (With Visor) TxDot Black	$	365.00
190005TX	5 Section Poly Head (With Visor) TxDot Yellow	$	365.00
M44515	5 Section Poly Cluster (With Visor) TxDot Yellow	$	365.00
190105TX	5 Section Alum Head (With Visor) TxDot Yellow	$	464.00
M65857	5 Section Alum Cluster (With Visor) TxDot Yellow	$	464.00
191105TX	5 Section Alum Head (With Visor) TxDot Black	$	464.00
M56170	5 Section Alum Cluster (With Visor) TxDot Black	$	464.00
	Five Section Back Plates		
192005	5 Sec VF, ABS	$	85.00
192005RT	5 Sec VF, ABS with 2" Reflective Tape	$	92.00
0	5 Sec Flat Poly	$	65.00
192105	5 Sec Alum	$	132.00
192105RT	5 Sec Alum W/ 2" Reflective Tape	$	166.00
192105C	5 Sec Alum (Cluster)	$	95.00
192115	5 Sec Alum - Louvered	$	140.00
192115RT	5 Sec Alum - Louvered w/ 2" Reflective Tape	$	171.00
M18084	5 Sec Alum (Cluster) - Louvered for Pelco Bracket	$	115.00
M66678	5 Sec Alum (Cluster) - Louvered for Pelco Bracket w/ 2" RT	$	130.00
M42514D	5 Sec VF, ABS (Cluster)	$	113.00
5 Sec La	5 Sec Louisiana Backplate	$	130.00
BK-8000-5-PNC	5 Sec Aeroflex (No Tape)	$	137.00
	Five Section Astro Bracs		

201160-5	1Way, 5 Sec (62" Cable)	$	248.00
201160-5-84	1Way, 5 Sec (84" Cable)	$	249.00
201160-5-96	1Way, 5 Sec (96" Cable)	$	251.00
201160-5-120	1Way, 5 Sec (120" Cable)	$	258.00
20AS-0138-62	1Way, 5 Sec (62" Cable) (Cluster)	$	330.00
20AS-0138-96	1Way, 5 Sec (96" Cable) (Cluster)	$	337.00
20AS-0138-120	1Way, 5 Sec (120" Cable) (Cluster)	$	346.00
AS-0194-5-62	1Way, 5 Sec (62" Cable) w/CGB	$	256.00
AS-0194-5-84	1Way, 5 Sec (84" Cable) w/CGB	$	257.00
200052	1Way, 5 Sec (96" Cable) w/CGB	$	259.00
AS-0194-5-120	1Way, 5 Sec (120" Cable) w/CGB	$	266.00
AB-0150-5-96-PNC	1 Way, 5 Sec (96" Cable) Articulated w/CGB	$	301.00
	Five Section Span Wire Assy		
200150	Span Wire Assy, 1Way 2-Point Mount 5 Sec		#N/A
201177-5	Span Wire Assy, Houston (5 Sec)	$	343.00
SP-3011-TX-5-PNC	5 Sec Signal (Type E) FOR EL PASO	$	180.00
Paint Adder	Paint Adder For Brac or Assy (Add Color code Pxx)	$	20.00
	Five Section Leotek New P3 LED's		
820003	12" Green Ball	$	43.00
820006	12" Green Arrow	$	48.00
820002	12" Yellow Ball	$	43.00
820005	12" Yellow Arrow	$	48.00
820001	12" Red Ball	$	43.00
820004	12" Red Arrow	$	48.00
	Louvers & Visors		
	Louvers		
201154	12" GPL 8 degree Slotted Full Circle Louver - 01=Yellow, 33=Black	$	200.00
260011	5 Vane, 7° Louver	$	50.00
	Visors		
190001	12" Poly Visor Yellow	$	13.00
M19302	12" Poly Full Circle Visor - Yellow	$	13.00
Full Circle Visor	12" Alum Full Circle Visor - Yellow		
190101	12" Alum Tunnel Visor - Yellow	$	25.00
191001	12" Poly Visor Black	$	13.00
M19302	12" Poly Full Circle Visor - Black	$	13.00
M19300	12" Alum Full Circle Visor - Black		
191101	12" Alum Tunnel Visor - Black	$	25.00
	Other Signal Related Parts & NM Assemblies		
M66676	Reflective Tape per foot to add to Backplate	$	3.00
	Astro Bracs Clamps ONLY with Galvanized Cable		
201151	Astro Brac Clamp Kit w/62" Galv Cable	$	111.00
201151-84	Astro Brac Clamp Kit w/84" Galv Cable	$	112.00
201151-96	Astro Brac Clamp Kit w/96" Galv Cable	$	113.00
201151-120	Astro Brac Clamp Kit w/120" Galv Cable	$	121.00
201106	3 Section Gusseted Tube	$	53.00
201106-58	4 Section Gusseted Tube	$	61.00
201106-74	5 Section Gusseted Tube	$	82.00
201013	Astro-Brac Arm Kit, 1-Way 8-1/2" CTC, Stainless Slotted Washer, Alum	$	57.00
200084	9 inch CGB Arm Kit	$	64.00
0	Paint Adder (Add Color code Pxx)	$	7.00
	Pelco Wind Dampers		
200079-62	Wind Damper (MA-DPD-12) less sign - 62" Cable	$	637.00
200079-84	Wind Damper (MA-DPD-12) less sign - 84" Cable	$	652.00
200079-96	Wind Damper (MA-DPD-12) less sign - 96" Cable	$	661.00

0	Paint Adder (Add Color code Pxx)	$	-
0	School Zone Assembly (3 head Mast Arm)FOR EL PASO	$	-
Kit	**TxDOT 2 Section Split Span Assembly With Gap**		
20SE-5089	Span Hanger	$	78.00
20SE-0448	Check Nut (2 Required each)	$	9.00
20SE-0354	Neoprene Washer (2 Required Each))	$	1.00
20SE-0436-12	Nipple 1.5" (12")	$	16.00
20SE-5050-PNC	Tether Assy Tri Stud Breakaway	$	27.00
Kit	**NM Signal Mnt End of Arm**		
201052	Hub Plate (SE-0444) (2 required each)	$	21.00
201191	4" All Thread (SE-0309)	$	20.00
20-SE-0436-10	10" Nipple (SE-0436)	$	14.00
200085	Serrated Ell (SE-0457) (2 required Each)	$	17.00
201400	Lock Ring (SE-0360) (2 Required Each)	$	4.00
201046	Hex Nipple (SE-0443) (2 Required Each)	$	7.00
Home Depot	Home Depot 1 1/2" LB w/cover & Gasket	$	24.00
Kit	**NM Signal Mount Side of Pole/Mid Arm**		
201052	Hub Plate (SE-0444) (2 required each)	$	21.00
20-SE-0436-10	10" Nipple (SE-0436)	$	14.00
200085	Serrated Ell (SE-0457) (2 required Each)	$	17.00
201400	Lock Ring (SE-0360) (2 Required Each)	$	4.00
201046	Hex Nipple (SE-0443) (2 Required Each)	$	7.00
0	**NM Signal Mnt Ped Pole Head**		
201052	Hub Plate (SE-0444) (2 required each)	$	21.00
201191	4" All Thread (SE-0309)	$	20.00
200085	Serrated Ell (SE-0457) (2 required Each)	$	17.00
201400	Lock Ring (SE-0360) (2 Required Each)	$	4.00
201046	Hex Nipple (SE-0443) (2 Required Each)	$	7.00
0	**NM Ped Head & TX Type 1**		
201052	Hub Plate (SE-0444) (2 required each)	$	21.00
20-SE-0436-12	12" Nipple (SE-0436) (2 Required Each)	$	16.00
200085	Serrated Ell (SE-0457) (2 required Each)	$	17.00
201400	Lock Ring (SE-0360) (2 Required Each)	$	4.00
201046	Hex Nipple (SE-0443) (2 Required Each)	$	7.00

Coaxial and Heliax Cable

Coaxial Cable Including Connectors

PNS10-500200A	Coaxial Cable LMR-400 (Per Ft.)	$	1.34
LMR 400 Conn	N Male Connector - LMR-400 (2 per radio)	$	17.00

Heliax Cable Including Connectors

PNS10-500200H	Heliax Cable LMR-600 (Per Ft.)	$	2.57
LMR600 Conn	N Male Connector - LMR-600 (2 per radio)	$	29.00

Schneider APC UPS's

UPS System (External Battery Cabinet)

710010	UPS w/ APC Secure UPS 1300VA/1300 W 120 VAC In/Out RM Plus Bypass Unit with 12' Harness (No Cabinet or Power Panel)	$	3,005.00

710011	Complete UPS w/ APC Secure UPS 1300VA/1300 W 120 VAC In/Out RM Plus Bypass Unit with 12' Harness (NO Cabinet or Power Panel but with Generator Option)	$	2,999.00
APC-TXDOT	Turnkey UPS w/ APC Secure UPS 1300VA/1300 W 120 VAC In/Out RM, Bypass Unit, 12' Harness, RTC Cabinet and Power Panel 4 MK 110 AH Batteries (No Generator Plug) Includes Cabinet Wire/Portal Connection Kit	$	5,890.00
APC-DOT	Turnkey UPS w/ APC Secure UPS 1300VA/1300 W 120 VAC In/Out RM Plus Bypass Unit, 12' Harness, RTC Cabinet and Power Panel 4 MK 110 AH Batteries and Generator Plug, Includes Cabinet Wire/Portal Connection Kit	$	6,230.00
710001	APC Secure UPS 1300VA/1300 W 120 VAC In/Out RM Conformal Coated	$	2,306.00
710002	APC Schneider SecureUPS Bypass Unit W/ Generator input, W/O Batteries	$	394.00
710002NOGEN	APC Schneider SecureUPS Bypass Unit W/O Generator input, W/O Batteries	$	400.00
710003	APC Schneider Battery Harness (4' Plus an 8' Extension)	$	299.00
47-HAR4	APC Schneider Battery Harness 4'	$	239.00
APC CAB CONN	APC Cabinet Connection Kit (for wire portal if adding to existing Traffic Cabinet)	$	151.00
03-UPSGEN	Generator Option (Incl. Automatic Switch, Dead Face Panel, 30A Generator Receptacle, Wiring)	$	346.00
13-8A30 HEI	MK 105 Amp 12V Batteries	$	291.00
710006	APC 100 Amp 12V Batteries	$	412.00
710009	Set of 4 APC 100 Amp 48V Batteries	$	1,648.00
260012	Aluminum Mounting Cabinet	$	1,362.00
PNS10 -03-UPSCTC	Power Panel, wiring and Labor	$	359.00
PNS10 -03-UPSFANTHERM	Add ,Thermostat and Fan Only (NO POWER PANEL)	$	361.00
PNS10 -03-UPSCONF	Add Confirmation Light	$	65.00
PNS10 -03-UPSDOOR	Add Door Switch	$	135.00
710004	One Year Extended Warranty on APC Secure UPS	$	144.00
710005	One Year Extended Warranty on APC Secure UPS Bypass	$	53.00

Southern Illuminated Signs

	Clean Profile - Single Sided TXDOT		
CP618SRDNNAAG1	6' x 18" viewable area standard blocking background	$	1,462.00
CP621SRDNNAAG2	6' x 21" viewable area standard blocking background	$	1,527.00
CP624SRFNNAAG1	6' x 24" viewable area standard blocking background	$	1,595.00
CP818SRDNNAAG1	8' x 18" viewable area standard blocking background	$	1,705.00
CP821SRDNNAAG2	8' x 21" viewable area standard blocking background	$	1,784.00
CP824SRFNNAAG1	8' x 24" viewable area standard blocking background	$	1,863.00
CP1018SRDNNAAG2	10' x 21" viewable area standard blocking background	$	2,124.00
CP1024SRFNNAAG1	10' x 24" viewable area standard blocking background	$	2,221.00
	Clean Profile - Double Sided TXDOT		
CP618DTJNNAAG1	6' x 18" viewable area standard blocking background	$	1,584.00
CP621DTJNNAAG2	6' x 21" viewable area standard blocking background	$	1,665.00
CP624DTJNNAAG1	6' x 24" viewable area standard blocking background	$	1,748.00
CP818DTJNNAAG1	8' x 18" viewable area standard blocking background	$	1,927.00
CP821DTJNNAAG2	8' x 21" viewable area standard blocking background	$	2,024.00
CP824DTJNNAAG1	8' x 24" viewable area standard blocking background	$	2,074.00
CP1018DRDNNAAG2	10' x 21" viewable area standard blocking background	$	2,478.00
CP1024DRFNNAAG1	10' x 24" viewable area standard blocking background	$	2,591.00
	Thin LED Single Sided		
TL619SRDNNAAG1	6' x 19" Overall size standard blocking background	$	1,614.00
TL819SRDNNAAG1	8' x 19" Overall size standard blocking background	$	1,752.00
	Thin LED Double Sided		
TL619DTJNNAAG1	6' x 19" Overall size standard blocking background	$	2,028.00
TL819DTJNNAAG1	8' x 19" Overall size standard blocking background	$	2,267.00
	Options		
Diamond Grade 6' Single	Diamond Grade Signface upgrade for any 6' SINGLE SIDED sign	$	193.00
Diamond Grade 8' Single	Diamond Grade Signface upgrade for any 8' SINGLE SIDED sign	$	257.00
Diamond Grade 10' Single	Diamond Grade Signface upgrade for any 10' SINGLE SIDED sign	$	321.00

Diamond Grade 6' Double	Diamond Grade Signface upgrade for any 6' DOUBLE SIDED sign	$	385.00
Diamond Grade 8' Double	Diamond Grade Signface upgrade for any 8' DOUBLE SIDED sign	$	514.00
Diamond Grade 10' Double	Diamond Grade Signface upgrade for any 10' DOUBLE SIDED sign	$	642.00
MISCDECAL	Logo One color logo price per side	$	34.00
MISCDECAL	Logo Two or more colors price per sign	$	68.00
PHOTOCELL-SWIVEL	Photocell Tork Swivel	$	34.00
	Brackets		
EZ Bar Even	Free Swing from mast arm both fixed heights	$	207.00
BRACKET-EZ-BAR-UNEVEN	Free swing from mast arm one side adjustable	$	279.00
Pelco 0142	Rigid Rear Mount (Single Sided Only)	$	277.00
Pelco 1006	Rigid Mount top and bottom of sign (Single only)	$	371.00
Pelco 5148	Free Swing both fixed heights	$	371.00
Free Swing	Free Swing with one side extender	$	393.00
	Blank Out Signs		
BO2424BBNNAAYR3-1	24" x24" Symbolic display R3-1. Size of display	$	3,027.00
BO2424BBNNAAYR3-2	24" x24" Symbolic display R3-2. Size of display	$	3,027.00
BO2430BBNNAAYR3-1T	24" x 30" 30" R3-1 with TRAIN below	$	3,963.00
BO3030BBNNAAYR3-1	30" x 30" Symbolic display R3-1. Size of display	$	3,830.00
BO3036BBNNAAYR3-1T	30" x 36" 30" R3-1 with TRAIN below in 6" single stroke letters	$	4,242.00
BO2424BBNNAAY-W10-7	24" X 24" Symbolic Train R10-15 Size of Display	$	3,756.00
LC1818BBNNAAY-2R-2W	18" x 18" Lane Use Signal Red X and Green Arrow	$	3,427.00
BO3036BBNNAAY-R3(2WAY)	30" x 36" Dual Symbol Lane Use R3-5A & R3-5L	$	4,348.00
BO3036BBNNAAY-R3(2WAY)	30" x 36" Dual Symbol Lane Use R3-5L & R3-6L	$	4,590.00
	Standard LED Signs		
0	Single Sided	$	-
LE619SRDNNAAG1	6' x 19" viewable area standard blocking background	$	1,642.00
LE624SRDNNAAG1	6' x 24" viewable area standard blocking background	$	1,779.00
LE819SRDNNAAG1	8' x 19" viewable area standard blocking background	$	1,779.00
LE824SRDNNAAG1	8' x 24" viewable area standard blocking background	$	1,918.00
0	Double Sided	$	-
LE619DTJNNAAG1	6' x 19" viewable area standard blocking background	$	2,089.00
LE624DTJNNAAG1	6' x 24" viewable area standard blocking background	$	2,226.00
LE819DTJNNAAG1	8' x 19" viewable area standard blocking background	$	2,309.00
LE824DTJNNAAG1	8' x 24" viewable area standard blocking background	$	2,445.00
	Aluminum NEMA 3R Enclosures & ITS Commander		
171068	ITS Commander Remote Power Management System	$	1,340.00
Type III Control Cabinet	32"x20"x14" Pole Mounted Control Cabinet NEMA 3R .125" 5052 Aluminum.	$	1,145.00
Type IV Control Cabinet	50"x30"x16.5" Base Mounted Control Cabinet NEMA 3R .125" 5052 Aluminum.	$	1,340.00
336S CCTV	336S Pole Mount CCTV Cabinet with PDA 30 amp, 4 equipment outlets, 2 GFI outlets, fan light, shelf and drawer. No sunshields	$	4,032.00
332 DMS	332 DMS cabinet with 60 amp 120/240 Split phase PDA, fan light, shelf and drawer. No sunshield.	$	4,975.00
171039	30"H x 24"W x 24"D Pole Mounted cabinet with power panel for CCTV 30 Amp main breaker and 2 15 amp breakers. New Mexico	$	4,495.00
171036	30"H x 24"W x 24"D Pole Mounted cabinet with power panel for DMS, 2-30 Amp main breaker and 2-15 amp breakers. New Mexico	$	4,318.00
	Southern ILSN Sign Install Labor (CTC)		
CTCINSTALLSMILSN	ILSN Installation to Mast Arm Two Men w/ Bucket and Pickup 2.5 hours/per sign	$	1,350.00
CTCINSTALLLGILSN	ILSN Installation LARGE Sign Two men w/ Bucket and Pickup 5 hours /per sign (requires site visit)	$	2,700.00
CTCINSTALLILSNWIRE	ILSN Installation Wire pull cabinet to sign Two Men w/ 2 Pickups 2 Hours/per sign	$	720.00
*PNS Wire	Wire for Sign (250 ft) per sign $.35 per ft inrolls of 2,900 ft	$	119.00
*PNS Fuse	In Line Fuse (check with Agency to see if necessary)	$	68.00

Assa Abloy Locks

TQ403	CLIQ Programming Key* (2 Required)	$	248.00
TQ407	CLIQ Dynamic User key	$	146.00
TQB407	CLIQ Bluetooth Dynamic User key	$	359.00
PDA500	Programming Device*	$	978.00
PDA100	WallPD*	$	864.00
KS-T_TA77ZZ	Protec2 Key - Mechanical	$	10.00
PLM330T	Padlock with 25mm shackle mk ReKeyable w/o Keys	$	117.00
PLLW330T	CLIQ padlock w/25 mm shackle mk SWP w/o Keys	$	921.00
US_75481-LS-T	Traffic Encl. lck - LH Slm Ltch-cy406	$	180.00
US_75481-RS-T	Traffic Encl. lck - RH Slm Ltch-cy406	$	180.00
US_A75481-LS-T	Traffic Encl. lck-LH Bolt Ltch-cy406t	$	189.00
0	Traffic Encl. lck-RH Bolt Ltch-cy406t	$	189.00
US_75481-LS-CLIQ	CLIQ Traffic Encl. lck - LH Slm Ltch -cyl406T cyl	$	733.00
US_75481-RS-CLIQ	CLIQ Traffic Encl. lck - RH Slm Ltch -cyl406T cyl	$	733.00
0	CLIQ Traffic Encl. lck - LH Bolt Ltch with cyl406T cyl	$	756.00
US_A75481-RS-CLIQ	CLIQ Traffic Encl. lck - RH Bolt Ltch with cyl406T cyl	$	756.00
SP366_000000	CLIQ Web Manager Basic SaaS license - One time fee*	$	1,117.00
SP367_000001	CLIQ Web Manager Basic SaaS subscription 1-50 components - Yearly fee*	$	558.00
SP368_000000	CLIQ Web Manager Premium SaaS license - One time fee* required if using Bluetooth keys	$	5,258.00
SP369_000001	CLIQ Web Manager Premium SaaS subscription 1-50 components - Yearly fee* required if using Bluetooth keys	$	2,142.00

Houston Radar Counters

Speedlane (2 Radars, Color HD Camera, Bluetooth)

SpeedLanePro	Speedlane Base Unit (Dual Radar, Color HD Camera, Bluetooth Interface, SQL Database, RS232 and 12VDC Power, Mounting Bracket, StatsAnalyser Software)	$	5,226.00
OPT-SLP-0035	Solar Kit (96WHr LifePO Rechargeable Battery, 30 W Solar Panel, mounting bracket, 5 ft cable, AC Charger, On/Off Switch)	$	1,139.00
OPT-SLP-0010	UPS Kit (96WHr LifePO Rechargeable Battery, AC Charger, On/Off Switch)	$	871.00
OPT-SLP-0070	3G Penta Cell Modem w/ GPS (Full sized SIM and data plan NOT included)	$	804.00
OPT-SLP-0080	Built in Ethernet Port (for video streaming)	$	670.00
OPT-SLP-0180	Built in Power over Ethernet Module (includes Ethernet, Not Injector)	$	1,071.00
120-017	External Power over Ethernet Injector	$	106.00
900-0037	SeedLanePro Cable	$	161.00
FIB12-485	SeedLanePro Field Interface Box	$	761.00
9 hrs Video DVR	9 hours of onboard 800x60010ffps Video Recording	$	750.00
18 hrs Video DVR	18 hours of onboard 800x60010ffps Video Recording	$	1,072.00
110-0036	Class 1 Bluetooth Dongle	$	32.00
110-0074	15Watt 90-240VAC to 12 VDC Power Supply	$	53.00
110-0073	15Watt 90-240VAC to 24 VDC Power Supply	$	53.00
110-0144 & 110-0143	Split Cable Gland (to allow M12 Connection thru user enclosure)	$	34.00
OPT-SLP-0310	Extended Warranty per year up to 3 additional years, 4 total) 6% to Customer		6%
Tetryon/alc	Tetryon Cloud Server client activation (one-time fee)	$	629.00
TetryonHost	Tetyon Server Cloud Hosting, Per Radar, Per Year, up to 3 years, so 4 years Total)	$	741.00
Solar-Kit-Speedlane-30W	Solar Kit (30W Solar Panel, mounting bracket, 5 ft cable Only)	$	268.00
Solar-Kit-Speedlane-60W	Solar Kit (60W Solar Panel, mounting bracket, 5 ft cable Only)	$	402.00

Armadillo Crossfire (Count and Class Radar)

Armadillo PD	Armadillo Base Unit (Bluetooth Connectivity, Color Camera, LifePO Rechargeable Battery, USB Slow Charger, AC Quick Charger, 12V Car Charger, Mounting Bracket, USB Cable, Class 1 USB Bluetooth Dongle, ON/Off Switch, StatsAnalyser Software)	$	3,001.00
OPT-APD-0001	Solar Ready (Added Solar Connector?)	$	420.00
OPT-APD-0015	Solar Kit (10 W Solar Panel, mounting bracket, 3 ft cable, Mounting Bracket)	$	670.00

Armadillo Booster Pack	Armadillo Booster Pack (External Battery in a box, Mounting Bracket/straps, 3 ft Cable (Requires Solar Connector)	$	871.00
CHG-100-0000	24VDC output 90-240VAC input charger with 5-pin circular connector and 6ft cable (requires solar connector)	$	150.00
Armadillo Carrying Case	Weatherproof Carrying Case	$	268.00
OPT-SLP-0310	Extended Warranty up to 3 additional years, so 4 total) 6% per year to Customer		6%
	Armadillo Tracker (Count and Class Radar)		
Base Unit	Armadillo Base Unit (LifePO Rechargeable Battery, Bluetooth Interface, USB Slow Charger, AC Quick Charger, 12V Car Charger, Mounting Bracket, ON/Off Switch, StatsAnalyser Software)	$	3,076.00
OPT-APD-0001	Solar Ready (Added Solar Connector?)	$	420.00
OPT-APD-0055	Solar Kit (5 W Solar Panel, mounting bracket, 3 ft cable, Mounting Bracket)	$	581.00
OPT-APD-0015	Solar Kit (10 W Solar Panel, mounting bracket, 3 ft cable, Mounting Bracket)	$	670.00
OPT-ADC-0060	GPS Data Location Tagging Includes GPS Module and antenna)	$	320.00
OPT-ADC-0070	Built in LTE Cell Modem w/ GPS (Full sized SIM and data plan NOT included)	$	804.00
OPT-ADC-0110	Mfi Bluetooth Hardware for Ios Compatability	$	268.00
Armadillo Booster Pack	Armadillo Booster Pack (External Battery in a box, Mounting Bracket/straps, 3 ft Cable (Requires Solar Connector)	$	871.00
Case	Weatherproof Carrying Case	$	268.00
CHG-100-0000	24VDC output 90-240VAC input charger with 5-pin circular connector and 6ft cable (requires solar connector)	$	150.00
OPT-SLP-0310	Extended Warranty per year up to 3 additional years, 4 total) 6% to Customer		6%
Tetryon/alc	Tetryon Cloud Server client activation (one-time fee)	$	315.00
TetryonHost	Tetyon Server Cloud Hosting, Per Radar, Per Year, up to 3 years, so 4 years Total)	$	485.00
OPT-ADC-050	5 Watt solar panel, bracket, straps (NO connector)	$	161.00
OPT-ADC-010	10 Watt solar panel, bracket, straps (NO connector)	$	249.00
	3M Loop Sealant		
	3M		
110501	Detector Loop Sealant (5 Gal Pail)	$	473.00
110506	Loop Sealant Ply-Pack	$	39.00
110507	Loop Sealant Ply-Pack Gun	$	270.00
	Flir Detection Products		
	Traficon Visual Cameras(Legacy)		
10-4375	Traficon VIP/3D.1s - Vehicle Presence & Data Monitor Detector Board - 1 camera input - US Edge Connector	$	2,061.00
10-4325	Traficon VIP/3D.2s - Vehicle Presence & Data Monitor Detector Board - 2 camera input - US Edge Connector	$	3,216.00
10-4545	Traficon VIEWCOM/Es MAX + - Remote Monitoring & Setup Board - MPEG-4/H.264 - single slot - US Edge Connector	$	3,127.00
10-0023	Traficon VIP Set Up Keypad - for DB9 Connector & Stereo Jack Connector	$	221.00
10-4420	4 I/Os - Output Expansion Board - 4 outputs - single slot - US Edge Connector	$	575.00
10-4470	2 I/Os - Output Expansion Board - 2 outputs - single slot - US Edge Connector	$	389.00
	Analog Thermal Imagers		
427-0088-21-00	FC-369 T2 - QVGA, 69° H FOV, NTSC	$	2,577.00
427-0088-31-00	FC-344 T2 - QVGA, 44° H FOV, NTSC	$	2,577.00
427-0088-41-00	FC-332 T2 - QVGA, 32° H FOV, NTSC	$	2,577.00
427-0092-31-00	FC-324 T2 - QVGA, 24° H FOV, NTSC	$	2,577.00
427-0092-41-00	FC-317 T2 - QVGA, 17° H FOV, NTSC	$	2,577.00
	ITS Series of Thermal Imagers (analogue, IP, POE)		
427-0090-21-00	FC-369 T2 - QVGA, 69° H FOV, NTSC	$	3,238.00
427-0090-31-00	FC-344 T2 - QVGA, 44° H FOV, NTSC	$	3,238.00
427-0090-41-00	FC-332 T2 - QVGA, 32° H FOV, NTSC	$	3,238.00
427-0094-31-00	FC-324 T2 - QVGA, 24° H FOV, NTSC	$	3,238.00

427-0094-41-00	FC-317 T2 - QVGA, 17° H FOV, NTSC	$	3,238.00
	TrafiCam Visual Vehicle Detection (Legacy)		
10-6090A	TrafiCam wide angle	$	1,436.00
10-6091A	TrafiCam narrow angle	$	1,436.00
10-6083	4TI ETH Edge - 4 outputs, SDLC via PIM module, USB, ETH - single slot - US Edge Connector	$	441.00
10-4670	4/Os xp. Edge - Output Expansion Board - 4 outputs - single slot - US Edge Connector	$	368.00
10-6077	4TI ETH - 16 outputs, USB, ETH	$	795.00
10-6078	1TI - 4 outputs, USB	$	559.00
LEA050923	USB/A - USB/B Cable - for setup of 1TI, 4TI ETH and 4TI ETH Edge with PC	$	8.00
CNCIR008F1	Spare Power / RS485 connector (8 pins, of which 5 pins color coded)	$	52.00
25-6091	Sunshield for aluminum housing	$	52.00
	TrafiCam x-Stream2 Vehicle Detection, Traffic Data and Visual Traffic Monitoring		
10-7150	Traficam Xstream2 Digital Visual Camera with Streaming capability Wide Angle	$	3,120.00
10-7151	Traficam Xstream2 Digital Visual Camera with Streaming capability Narrow Angle	$	3,120.00
10-7013	TI BPL2 Edge Card (supports up to 4 Cameras)	$	1,104.00
10-4675	4 I/O USB - Input Output Expansion Board (If more than 4 cameras needed in an intersection)	$	368.00
10-7085	TI BPL2 interface - Power Line Interface - 16 outputs	$	1,178.00
CNCIR008F1	Spare Connector - 8 pins - BPL2 - PoE	$	52.00
TOOL160620	Spare Wrench tool fo applting right torque to cable gland	$	16.00
10-7018	TI BPL2 Edge W/ BIU and SIU Interface SDLC Interface(supports up to 4 Cameras) (if SDLC needed)	$	1,458.00
10-7320	FLIR POE Interface	$	221.00
0	**TrafiCam AI Vehicle Detection, Traffic Data and Visual Traffic Monitoring**	$	-
10-7710	Traficam AI Wide Angle - BPL2, POE, Sunshield	$	3,312.00
10-7715	Traficam AI Narrow Angle - BPL2, POE, Sunshield	$	3,312.00
10-7499AI	Premium Traffic Data License Fee for AI	$	1,766.00
10-7013	TI BPL2 Edge Card (supports up to 4 Cameras)	$	1,104.00
10-4675	4 I/O USB - Input Output Expansion Board (If more than 4 cameras needed in an intersection)	$	368.00
10-7085	TI BPL2 interface - Power Line Interface - 16 outputs	$	1,178.00
CNCIR008F1	Spare Connector - 8 pins - BPL2 - PoE	$	52.00
TOOL160620	Spare Wrench tool fo applting right torque to cable gland	$	16.00
10-7018	TI BPL2 Edge W/ BIU and SIU Interface SDLC Interface(supports up to 4 Cameras) (if SDLC needed)	$	1,458.00
10-7320	FLIR POE Interface	$	221.00
	TraffiRadar Visual Stop Bar Detection, Traffic Data & Traffic Monitoring. Radar Dilemna zone protection and Advance Detection (Radar and Visual Dual)		
10-6066U	TrafiRadar BPL Dual Detection Radar and Visual	$	5,299.00
10-6055	TI BPL2 Edge Card (supports up to 4 Cameras)	$	956.00
10-4670	4/Os xp. Edge - Output Expansion Board - 4 outputs - single slot - US Edge Connector	$	368.00
10-6085	TI x-stream BPL interface - Power Line Interface - 16 outputs	$	1,178.00
10-6044	TI xp BPL Expansion Board	$	529.00
CNCIR004F7	Spare PosewerBPL Connector (3 wire)	$	52.00
20-6065	TrafiRadar Mounting Kit (Wall Mount+ Pole Adapter)	$	272.00
	TrafiOne Thermal Pedestrian Presence Detection & Visual Traffic Monitoring		
10-7070	TrafiOne 195 - QQVGA, 95° H FOV, 9Hz, including HD visual stream license	$	2,104.00
10-7075	TrafiOne 156 - QQVGA, 56° H FOV, 9Hz, including HD visual stream license	$	2,104.00
10-7013	TI BPL2 Edge Card (supports up to 4 Cameras)	$	1,104.00
10-4675	4 I/O USB - Input Output Expansion Board (If more than 4 cameras needed in an intersection)	$	368.00
10-7085	TI BPL2 interface - Power Line Interface - 16 outputs	$	1,178.00
10-6075	Ethernet interface	$	221.00
25-7070	Spare Rain Shield - for 10-7075	$	52.00

10-7018	TI BPL2 Edge W/ BIU and SIU Interface SDLC Interface(supports up to 4 Cameras) (if SDLC needed)	$	1,458.00
10-7320	FLIR POE Interface	$	221.00
	TraffiSense2 Thermal Vehicle/Bicycle/Pedestrian Detection, Traffic Data & Traffic Monitoring		
10-7470	Traffisense 2 Thermal Camera 690 (90 deg Field of View) Includes Sunshield	$	5,423.00
10-7474	Traffisense 2 Thermal Camera 645 (45 deg Field of View) Includes Sunshield	$	5,423.00
10-7476	Traffisense 2 Thermal Camera 632 (32 deg Field of View) Includes Sunshield	$	5,423.00
10-7450	Traffisense 2 Thermal Camera 690 V2X (90 deg Field of View) Includes Sunshield (V2X Ready)	$	6,166.00
10-7454	Traffisense 2 Thermal Camera 645 V2X (45 deg Field of View) Includes Sunshield (V2X Ready)	$	6,166.00
10-7456	Traffisense 2 Thermal Camera 632 V2X (32 deg Field of View) Includes Sunshield (V2X Ready)	$	6,166.00
10-7499	Premium Traffic Data License Fee	$	736.00
TBD	Stopped Vehicle License Fee (Consult Flir for Price)		#N/A
10-7013	TI BPL2 Edge Card (supports up to 4 Cameras)	$	1,104.00
10-4675	4 I/O USB - Input Output Expansion Board (If more than 4 cameras needed in an intersection)	$	368.00
10-7085	TI BPL2 interface - Power Line Interface - 16 outputs	$	1,178.00
CNCIR008F1	Spare Connector - 8 pins - BPL2 - PoE	$	52.00
TOOL160620	Spare Wrench tool fo applting right torque to cable gland	$	16.00
10-7018	TI BPL2 Edge W/ BIU and SIU Interface SDLC Interface(supports up to 4 Cameras) (if SDLC needed)	$	1,458.00
10-7320	FLIR POE Interface	$	221.00
	TraffiSense 2 DUAL Thermal and Visual (for Vehicle/Bike/Pedestrian Detection, Traffic Data and Thermal AND Visual Traffic monitoring)		
10-7578	Traffisense 2 Dual Thermal Camera 625 (25 deg Field of View) Visual 5-50 Deg HD, Includes Sunshield	$	7,087.00
10-7574	Traffisense 2 Dual Thermal Camera 645 (45 deg Field of View) Visual 5-50 Deg HD, Includes Sunshield	$	7,087.00
10-7576	Traffisense 2 Dual Thermal Camera 632 (32 deg Field of View) Visual 5-50 Deg HD, Includes Sunshield	$	7,087.00
10-7499	Premium Traffic Data License Fee	$	736.00
TBD	Stopped Vehicle License Fee (Consult Flir for Price)		#N/A
10-7013	TI BPL2 Edge Card (supports up to 4 Cameras)	$	1,104.00
10-4675	4 I/O USB - Input Output Expansion Board (If more than 4 cameras needed in an intersection)	$	368.00
10-7085	TI BPL2 interface - Power Line Interface - 16 outputs	$	1,178.00
CNCIR008F1	Spare Connector - 8 pins - BPL2 - PoE	$	52.00
TOOL160620	Spare Wrench tool fo applting right torque to cable gland	$	16.00
MEAC161006	Mounting Bracket	$	88.00
10-7018	TI BPL2 Edge W/ BIU and SIU Interface SDLC Interface(supports up to 4 Cameras) (if SDLC needed)	$	1,458.00
10-7320	FLIR POE Interface	$	221.00
	TraffiSense AI Thermal (for Vehicle/Bike/Pedestrian Detection, Traffic Data and Traffic monitoring)		
10-7750	Traffisense AI 690 (90 deg Field of View) 30Hz, Includes Sunshield	$	5,423.00
10-7754	Traffisense AI 645 (45 deg Field of View) 30Hz, Includes Sunshield	$	5,423.00
10-7756	Traffisense AI 632 (32 deg Field of View) 30Hz, Includes Sunshield	$	5,423.00
10-7499AI	Premium Traffic Data License Fee for AI	$	1,766.00
10-7725	TI BPL3 interface - Power Line Interface - 16 outputs Interfaces & accessories	$	1,458.00
10-4675	4 I/O USB - Input Output Expansion Board (If more than 4 cameras needed in an intersection)	$	368.00
10-7085	TI BPL2 interface - Power Line Interface - 16 outputs	$	1,178.00
CNCIR008F1	Spare Connector - 8 pins - BPL2 - PoE	$	52.00

TOOL160620	Spare Wrench tool fo applting right torque to cable gland	$	16.00
10-7018	TI BPL2 Edge W/ BIU and SIU Interface SDLC Interface(supports up to 4 Cameras) (if SDLC needed)	$	1,458.00
10-7320	FLIR POE Interface	$	221.00
	FLUX Traffic Management System		
10-0076	FLUX Traffic Mgt Sytem 1 Server License (must ALWAYS add 10-150 and 10-160 to this?)	$	6,329.00
10-0150	FLUX Embedded Clustering LibraryLicense	$	405.00
10-0160	FLUX Embedded Database License	$	405.00
10-0125	FLUX 1 video Channel License for viewing Data Streaming	$	183.00
TBDQUE	Queue Length & Waiting Time License - for ramp metering applications (price per single video channel)		#N/A
	Acyclica 1 Yr Software Licenses and Modules (Per Location, Per Year)		
AC-SW_FLIR_VSO	Flir Detectors VSO (Vehicle Speed and Occupancy)1 yr License (Historical and Real Time, Images and Events)	$	221.00
AC-SW_VSO	NON-Flir Detectors VSO (Vehicle Speed and Occupancy as avaiable) 1 yr License	$	177.00
AC-SW_TRAVEL	Travel Time (Travel and Delay Time, O/D) 1 Yr License	$	663.00
0	Modules requiring Travel Time Basic Module	$	-
AC-SW_SIGNAL	Signal Timing Tools (Advance travel and Delay Time, progression Diagram, Speed by Segment, Timing Planning)	$	354.00
AC-SW_REPORT	Reporting Module (Route and segment Travel Time Distribution, Turning Movement Count)	$	354.00
AC-SW_PLAN	Planning Module Advanced O/D)	$	354.00
	Modules requiring Travel Time Basic Module AND FLIR VSO License		
AC-SW_ROUTE	Route Performance Measures	$	354.00
	Modules requiring Travel Time Basic Module AND Connection to Signal Phase Info		
AC-SW_INTERS	Intersection Performance Measures	$	354.00
	Module Bundle		
AC-SW_FLIR_SNSR	Flir Sensor Package (Flir VSO, Travel Time, Sinal Timing Tools, Reporting Module, Planning Module, Route Performance and intersection Performance)	$	2,296.00
AC-SRV_CELM_DS	Cellular Data Service 1 Yr	$	588.00
AC-SRV_VPN	Dedicated cloud VPN (price per client group per year)	$	5,887.00
	Acyclica 5 Yr Software Licenses and Modules (Per Location, 5 Years for price of 4)		
AC-SW_FLIR_VSO_5Y	Flir Detectors VSO (Vehicle Speed and Occupancy)5 yr License (Historical and Real Time, Images and Events)	$	883.00
AC-SW_VSO_5Y	NON-Flir Detectors VSO (Vehicle Speed and Occupancy as avaiable) 5 yr License	$	706.00
AC-SW_TRAVEL_5Y	Travel Time (Travel and Delay Time, O/D) 5 Yr License	$	2,649.00
	Modules requiring Travel Time Basic Module		
AC-SW_SIGNAL_5Y	Signal Timing Tools (Advance travel and Delay Time, progression Diagram, Speed by Segment, Timing Planning)	$	1,413.00
AC-SW_REPORT_5Y	Reporting Module (Route and segment Travel Time Distribution, Turning Movement Count)	$	1,413.00
AC-SW_PLAN_5Y	Planning Module Advanced O/D)	$	1,413.00
	Modules requiring Travel Time Basic Module AND FLIR VSO License		
AC-SW_ROUTE_5Y	Route Performance Measures	$	1,413.00
	Modules requiring Travel Time Basic Module AND Connection to Signal Phase Info		
AC-SW_INTERS_5Y	Intersection Performance Measures	$	1,413.00
	Module Bundle		
AC-SW_FLIR_SNSR_5Y	Flir Sensor Package (Flir VSO, Travel Time, Sinal Timing Tools, Reporting Module, Planning Module, Route Performance and intersection Performance)	$	9,184.00
AC-SRV_CELM_DS	Cellular Data Service Per Year	$	588.00
AC-SRV_VPN	Dedicated cloud VPN (price per client group per year)	$	5,887.00
	DA-400 and Software Bundles		
AC-DA400_SW_CONG	DA-400 5 Yr Congestion Package (Includes DA-400 with Power Cable only, Travel Time, Intersection Performance)(Must add Antenna and Harness and cell service if needed)		#N/A

AC-DA400_SW_ALL	DA-400 5 Yr All Package (Includes DA-400 with Power Cable only, Travel Time, Intersection Performance, Signal Timing, Reporting, Planning, Route Performance) (Must add Antenna and Harness and cell service if needed)		#N/A
	API Integration and Usage		
0	API Integration and Usage (Consult Flir for pricing	$	-
	FLIR Extended Warranty (3 Yr Standard)		
EW-ITS-1	1 additional Year Extended Warranty 7%, (5 Year Total Maximum) Add 1 to QTY)		7.00%
EW-ITS-2	2 Additional Year Extended Warranty 14%, (5 Year Total Maximum (Add 1 to QTY)		14.00%
	FLIR Installation Power Supplies and Wire		
SDR120-48	48 volt Power Supply	$	97.00
0	Din Rail	$	29.00
231518	IMSA 18/2 Wire Per Foot	$	0.24
	PTZ Cameras and Accessories		
CP-6408-21-I	4K IP Pan Tilt Zoom Camera (Pendant w/ IR LED)	$	3,242.00
CP-6302-31-P	Quasar Full HD Pan Tilt Zoom Camera (Pendant)	$	2,609.00
CP-6302-31-I	Quasar Full HD Pan Tilt Zoom Camera (Pendant w/ IR LED)	$	2,609.00
CX-POLE-G3	Pole Adapter for CX-xxx-G3 Mounts	$	78.59
CX-ELBX-G3	Wall Mount Bracket (1.5 " Threaded) W/ Enclosure	$	155.63
CX-GSNK-G3	Gooseneck Mount (1.5" Threaded) W/ Enclosure	$	470.81
CX-CRNR-G3	90° Exterior Angle Corner Adapterfor CX-XXXX-G3 Mounts	$	77.81
CX-POE-60W-US	US High Power POE Injector for Quasar CP-4221-301 Camera (100-240VAC Input)	$	234.21
	CTC Installation Labor (Per Hour)		
CTCINSTALL	Driving Time One Man and Pickup Truck ($120 for the Man, $60 for Truck)	$	180.00
CTCINSTALLLES	Time for Les Trammell and Pickup Truck ($175 for the Man, $60 for Truck)	$	235.00
CTCINSTALL	On Site Time One Man and Pickup Truck (2 Hr minimum including drive time)	$	180.00
CTCINSTALL	Second Man (Include Both Drive and On Site time)	$	180.00
CTCINSTALL	Second Man with a Pickup to be used as a Crash Truck (Use whenever a bucket truck is needed on a two lane or larger road) (Include Both Drive and On Site time)	$	180.00
CTCINSTALLBUC	Bucket Truck Upcharge (Include Both Drive and On Site Time)	$	75.00
CTCINSTALLINT	Intersection Turn on One Man 8 Hours Included (Add Drive Time and Air Hotel and ALL Travel Expenses if out tof town)	$	1,440.00
CTCINSTALLPOL	Polara Turn on One Man 3 Hours Included (Add Driving Time and Expenses)	$	540.00
CTCINSTALLOPT	Opticom Turn on One man 3 Hours Included (Add Driving Time and Expenses)	$	540.00
CTCINSTALLAPC	APC Turn on (Add Driving Time and Expenses)	$	180.00
CTCINSTALLFLR1	FLIR Turn on One Man - Need Contractor assistance to aim Heads 3 Hours Included (Add Driving Time and Expenses)	$	540.00
CTCINSTALLFLR2	FLIR Turn on Two Men and Bucket - If CTC Aims the heads, 3 Hours Included (Add Driving Time and Expenses)	$	1,305.00
CTCINSTALL	Mobilization Charge Per Hour (includes Site Survey and Line Locates)	$	180.00
CTCINSTALL	Equipment Rental	$	180.00
CTCINSTALL	Travel and Other Expenses (Hotel Air rent car meals etc.)	$	180.00

CITY OF CYPRESS

CITY COUNCIL REPORT

City Council Regular **9.**

FROM: Douglas Dancs, Director of Public Works

DATE: 08/26/2024

SUBJECT: **Approve a Lease with the County of Orange Public Libraries System for the City-Owned Building at 5331 Orange Avenue**

RECOMMENDATION

Approve a 10-year lease with the County of Orange Public Libraries System for the City-owned building at 5331 Orange Avenue.

DISCUSSION

Cypress is a member of the Orange County Public Libraries system, which operates libraries throughout the county on behalf of member cities. The County has operated its Cypress library at the City-owned building located at 5331 Orange Avenue since 1974. The Cypress library underwent significant renovation in 2021, including new flooring, lighting, HVAC, furniture, and other interior improvements. The previous lease expired on July 1 and the County and City have operated on a month-to-month agreement since.

The recommended 10-year lease (which includes two option five-year extensions) is largely consistent with the previous lease. The City maintains responsibility for landscaping and maintenance, while the County operates the library and pays for utilities. The recommended lease requires the County to provide janitorial and custodial services (saving the City $15,000 annually) and to replace all lights and fixtures (estimated to save the City $70,000 over the next decade). The recommended lease allows the City to use the Library's community room, and the City can terminate the lease at any time and for any reason (including a reduction in library hours). Consistent with the previous lease and other city-County library leases, no rent is required.

BUDGET IMPACT

Sufficient amounts are available in the General Fund budget to provide all anticipated maintenance through June 30, 2025 under the recommended lease.

LEGAL REVIEW

The City Attorney has reviewed and approved the lease agreement as to form.

APPROVED BY: Peter Grant, City Manager

Attachments

Lease Agreement

OPL-001
Cypress Library
5331 Orange Avenue
Cypress, CA 90630

LEASE

THIS IS A LEASE (hereinafter referred to as "**Lease**") made _____, 2024, ("**Effective Date**"), by and between the CITY OF CYPRESS, a municipal corporation (hereinafter referred to as "**City**") and the COUNTY OF ORANGE, a political subdivision of the State of California (hereinafter referred to as "**County**"). The City and County may individually be referred to herein as a "**Party**," or collectively as the "**Parties**."

1. DEFINITIONS (1.0 SA)

"**Board of Supervisors**" means the Board of Supervisors of the County of Orange, a political subdivision of the State of California.

"**Building**" means the building commonly known as 5331 Orange Ave, Cypress constituting a portion of the Premises.

"**CEO/Office of Risk Management**" means the Risk Manager, County Executive Office, Risk Management, County of Orange, or designee, or upon written notice to City, such other person or entity as shall be designated by the County Executive Officer or the Board of Supervisors.

"**Chief Real Estate Officer**" means the Chief Real Estate Officer, County Executive Office, County of Orange, or upon written notice to City, such other entity as shall be designated by the County Executive Officer.

"**County Counsel**" means the County Counsel, County of Orange, or designee, or upon written notice to City, such other person or entity as shall be designated by the County Executive Officer or the Board of Supervisors.

"**County Executive Officer**" means the County Executive Officer, County Executive Office, County of Orange, or designee, or upon written notice to City, such other person or entity as shall be designated by the Board of Supervisors.

"**County Librarian**" means the County Librarian, OC Public Libraries, County of Orange, or designee, or upon written notice to City, such other person or entity as shall be designated by the County Executive Officer or the Board of Supervisors.

"**OC Public Libraries/Facilities Manager**" means the Manager, OC Public Libraries/Facilities Services, County of Orange, or designee, or upon written notice to City, such other person or entity as shall be designated by the County Librarian.

"**County Assessor Office**" means County of Orange Assessor Office.

"**City Manager**" means the City Manager of the City of Cypress.

"**Risk Manager**" means the Risk Manager, County Executive Office, Risk Management, County of Orange, or designee, or such other person or entity as shall be designated by the County Officer or the Board of Supervisors.

2. PREMISES (1.1 SA)

City leases to County that certain property, including the improvements thereon, described in Exhibit A and shown on Exhibit B, which exhibits are attached hereto and by reference made a part hereof, of approximately 15,090 rentable square feet ("**RSF**") in the Building located at 5331 Orange Avenue, Cypress, California ("**Premises**"), together with non-exclusive, in common use of elevators, stairways, washrooms, hallways, driveways for vehicle ingress and egress, pedestrian walkways, community room, other facilities and common areas appurtenant to the Premises.

3. USE (1.2 SA)

County shall use the Premises to provide free public library services. County shall not use the Premises or any portion thereof for any illegal or unlawful purpose and will not cause or permit a nuisance to be created or maintained therein.

NO ALCOHOL, TOBACCO, OR MARIJUANA PRODUCTS SHALL BE SOLD FROM OR CONSUMED WITHIN THE PREMISES. DRINKING ALCOHOLIC BEVERAGES AND SMOKING OF ANY KIND IS PROHIBITED INSIDE ANY BUILDING WITHIN THE PREMISES.

4. PARKING (1.3 SA)

Throughout the Term of the Lease and including any Extension Term pursuant to Clause 7 (OPTION TO EXTEND TERM), County and library patrons shall have the nonexclusive right to fifty (50) parking spaces located within the parking lot and the exclusive right, without charge, to use twelve (12) designated parking spaces for County staff within the parking lot as shown on Exhibit B. County's use of said parking spaces shall be subject to all reasonable rules and regulations which are prescribed by City from time to time for the efficient operation of the parking areas for the Building and provided to County in writing. City shall mark the parking spaces designated for County staff.

In addition to said parking spaces, City shall also provide parking for disabled persons ("**ADA Spaces**") in accordance with the Americans with Disabilities Act, Section 7102 of the California Uniform Building Code and the applicable codes and/or ordinances relating to parking for disabled persons as established by the local jurisdiction in which the Premises is located where the provisions of such local codes and/or ordinances exceed or supersede the State requirements.

5. TERMINATION OF PRIOR AGREEMENTS (1.4 SA)

It is mutually agreed that this Lease shall terminate and supersede any prior agreements between the Parties hereto covering all or any portion of the Premises including that certain lease dated June 11, 1974, except for those terms relating to continuing obligations for events during the terms of that prior agreement between the Parties hereto, including but not limited to indemnification, and that all personal property and/or equipment (e.g., fixtures, partitions, counters, shelving) attached to and/or placed upon any portion of the Premises by County pursuant to the terms of any prior agreement between the Parties hereto shall remain the personal property of County, who shall have the right and obligation to remove same.

6. TERM (1.5 N)

The Term of this Lease shall commence on the first day of the first full calendar month following the Effective Date ("**Commencement Date**") and continuing in effect for ten (10) years, unless sooner terminated as provided herein or as otherwise agreed to in writing by the Parties ("**Term**").

Parties agree that the Commencement Date of this Lease will be confirmed in writing by either Party upon demand by the other.

7. OPTION TO EXTEND TERM (1.6 SA)

Provided there is no current County Default under this Lease (as further defined in Clause 29 DEFAULTS AND REMEDIES), either at the time of the exercise of the Option or upon commencement of the Extension Term, County shall have the option to extend the term (the "**Option(s)**") of this Lease for two (2) five (5) year periods (each an "**Extension Term**") approved and executed by the Chief Real Estate Officer and memorialized in an amendment. County shall give City written notice of its intent to exercise its Option(s) to extend the Term no sooner than twelve (12) months and no later than nine (9) months prior to the Lease termination date. Time is of the essence in the exercise of the Option(s). The Option(s) shall be personal to County and shall not be exercised by any assignee or sublessee of County. "Term" as used in this Lease shall mean the initial Term and the Extension Term(s) if the Option(s) are duly exercised. If the County exercises the Options(s) to extend, during each of the Extension Term(s) County shall continue to have the option to terminate the Lease pursuant to Clause 8 (OPTION TO TERMINATE).

8. OPTION TO TERMINATE LEASE (1.7 N)

Unless earlier terminated as set forth herein, this Lease may be terminated at any time by either Party by giving written notice to the other Party at least one hundred and eighty (180) days prior to said termination date.

9. RENT (1.8 N)

In exchange for the valuable consideration of providing free public library services, County's use of the Premises shall be rent-free throughout the Term of this Lease or any Extension Term(s) and shall continue to be rent-free as long as County uses the Premises to provide free public library services.

10. RENT ADJUSTMENT (1.9 SA) - *Intentionally Omitted*

11. ADJUSTMENT FOR COST OF CITY SERVICES (2.0 SA) - *Intentionally Omitted*

12. RIGHT OF FIRST OFFER (2.1 SA*) - Intentionally Omitted*

13. CONSTRUCTION (2.2 SA) - *Intentionally Omitted*

14. PAINTING BY CITY (2.3 SA) - *Intentionally Omitted*

15. CARPETING BY CITY (2.4 SA) - *Intentionally Omitted*

16. ALTERATIONS (2.5 N)

County may make improvements and changes in the Premises, including, but not limited to, the installation of fixtures, partitions, counters, shelving, and equipment as deemed necessary or appropriate by the County in its discretion. It is agreed that any such fixtures, partitions, counters, shelving, or equipment attached to or placed upon the Premises by County shall be considered as personal property of County, as defined below in Clause 34 (COUNTY PROPERTY), which shall have the right and the obligation, to remove same. County agrees that the Premises shall be left in as good condition as when received, reasonable wear and tear exempted.

County must obtain written approval from the City prior to initiating any large improvement projects that would affect the physical structure or aesthetics of the facility, including but not limited to: construction, major renovations, or structural modifications.

17. IMPROVEMENTS BY CITY (2.6 N) – *Intentionally Omitted*

18. ORANGE COUNTY TELECOMMUNICATIONS NETWORK (2.7 N)

City agrees that County may install, at County's sole cost and expense, telecommunication devices and a security card access system in, on, or around the Premises and Building in accordance with the relevant and applicable County telecommunications network plans and specifications, provided that the provisions of Clause 16 (ALTERATIONS), shall be applicable to such work. It shall be County's responsibility to obtain all governmental permits and/or approvals required for such installation; however, City shall reasonably cooperate with County as necessary or appropriate, to obtain said permits and/or approvals. Additionally, County or County subcontractors have the right to enter the Premises and/or Building to maintain, repair or replace the County telecommunications network consistent with said contract between County and its service provider. County may, in its discretion, remove any cabling, conveyance systems or cabling conduit installed by County. When the Lease is terminated, County reserves all rights to remove, at its discretion, any such telecommunication improvements from the Premises and/or Building.

19. REPAIR, MAINTENANCE, AND JANITORIAL SERVICES (2.8 N)

A. **County Services.** County shall provide, at its own cost and expense, except as otherwise provided in this Lease or as otherwise directed by City: (1) all janitorial supplies and services to the Premises, including the supplying of restroom expendables and replacement of light bulbs and Light Emitting Diode (LED) lamps; (2) any and all necessary repair, maintenance and replacement of all equipment and personal property within the Premises; and (3) the cleaning and refinishing of interior furniture and shelving and repair of all damage caused by County's patrons' use and/or misuse of the Premises.

B. **City Services.** City shall provide at its sole cost and expense (except as otherwise provided in this Lease), any and all necessary repair, maintenance and replacement for the Premises, Building (and systems therein), and parking lot in good order, condition and repair and in compliance with all applicable laws, including, but not limited to, the replacement, repair and maintenance of the structural portions of the Building, the roof of the Building, the parking facilities and all Building systems including the Heating, Ventilation, Air Conditioning (**"HVAC"**) system, the plumbing, electrical and mechanical systems, fire/life safety system, elevators, roof, paving, fire extinguishers, and whether capital or non-capital (the "**Services**"), consistent with Exhibit C, which is attached hereto and by reference made a part hereof. After receipt of an invoice from City, County shall reimburse City for any reasonable expenses incurred for repairing plumbing defects caused by the introduction of foreign matter into the plumbing fixtures from within the Premises. City, at its sole expense, agrees to maintain all landscaping immediately surrounding the Premises in a manner consistent with landscape

maintenance services for the Civic Center complex and Exhibit C; and the parking lot in accordance with City's maintenance schedule, attached herein as Exhibit C. Additionally, City shall, at its sole cost and expense, be responsible for as-needed pest control. The County and its employees are strongly recommended to adhere to best practices regarding food consumption and storage within the Premises, including but not limited to: (1) no food or consumables left out in open areas or workspaces overnight; (2) all food should be properly sealed and stored away or disposed of in designated waste receptacles; and (3) consumption of food and other consumables should be restricted to designated break room areas.

C. **Warranties.** In order for the County to comply with the California Code of Regulations, Title 8, Section 5142 ("**Regulation 5142**"), and as it may be subsequently amended, City shall regularly inspect and maintain the HVAC system as required by Regulation 5142 and provide repair and maintenance accordingly. Inspections and maintenance of the HVAC system shall be documented in writing and City shall retain such records for at least five (5) years. City shall make all HVAC records required by this section available to County for examination and copying, within forty-eight (48) hours of a written request. City acknowledges that County may be subject to fines and/or penalties for failure to provide said records to regulatory agencies within the given timeframes. Should County incur fines and/or penalties as a direct result of City's failure to provide said records to County in a timely manner and as set forth herein, City shall reimburse County for said fines and/or penalties within thirty (30) days upon written notice.

D. **HVAC System.** County will ensure and monitor that air conditioning is supplied to cause the temperature in the Premises and Building to be at a temperature consistent with other office buildings in Orange County, California, which are typically not less than 70° F nor greater than 75° F, during all Normal Business Hours as defined below in Clause 19(E).

E. **Normal Business Hours.** The "**Resource Deployment Formula**" determines the days and hours of operations for libraries based on weighing factors which include, but are not limited to, population, taxes and circulation of library materials. Pursuant to and consistent with the Resource Deployment Formula, the County agrees, to keep the Premises and Building open the minimum hours determined ("**Normal Business Hours**"), exempt from County holidays. County agrees that it will confer and consult with City at least ninety (90) days prior to any alteration of Normal Business Hours by County. Should the County propose any reduction of Normal Business Hours by twenty-five percent (25%) or more, the City may, at City's sole option, terminate the Lease, pursuant to Clause 8 (OPTION TO TERMINATE).

F. **Community Room.** The City has the right to request the use of the "**Community Room**," located within the Premises, for use by the City during normal library business hours, subject to the County's policies and scheduling constraints. Requests for the use of the Community Room shall be made in writing to the County no less than fourteen (14) days in advance of the proposed event date.

G. **Emergency Services.** If County requires same day emergency repairs and/or services ("**Emergency Services**"), County shall first contact the City. If the City cannot be reached following reasonable efforts by the County and/or is not available for such Emergency Services, and the Emergency Services are necessary to remedy the emergency condition or to prevent imminent danger to persons or property, or if following such contact by County the City is unable or refuses to provide the necessary Emergency Services, County may have the necessary repairs made and/or provide Emergency Services to remedy the emergency condition and seek reimbursement from the City for said Emergency Services. County shall document all efforts made to contact the City for any such

Emergency Services and shall provide such documentation to City upon request. Any inability or refusal by City to provide Emergency Services shall be confirmed in writing by City.

20. UTILITIES (2.9 N)

County shall be responsible for and pay, prior to the delinquency date, all charges for utilities supplied to the Premises.

21. BUILDING AND SAFETY REQUIREMENTS (3.0 SA)

During the Term and Extension Term(s) of this Lease, City, at City's sole cost, agrees to maintain the Building and Premises in compliance with all applicable laws, rules, regulations, building codes, statutes, and orders as they are applicable on the date of this Lease, and as they may be subsequently amended, including but not limited to the California Building Code, Title 24, Seismic Code, Fire and Life Safety requirements and, if applicable, California Green Building Standard Code.

Included in this provision is compliance with the Americans with Disabilities Act **("ADA"**) and all other federal, state, and local codes, statutes, and orders relating to disabled access as they are applicable on the dates of this Lease, and as they may be subsequently amended and all regulations issued by the U. S. Attorney General or other agencies under the authorization of the ADA. However, City shall not be responsible for any ADA violations resulting from alterations made by County or the placement of County's furniture, fixtures or equipment by County.

City and County shall use commercially reasonable efforts to repair and maintain the Premises as a "safe place of employment," as defined in the California Occupational Safety and Health Act (California Labor Code §§ 6300 *et seq.*,) and the Federal Occupational Safety and Health Act (29 U.S.C. §§ 651 *et seq.*). County agrees to notify City of any repair or maintenance necessary within the Premises or Building to comply with such Acts for which City is responsible and City agrees to take such steps necessary to repair or maintain the Premises or Building. In the event that such repair or maintenance is necessary and is the result of County's acts or omissions, provided that County approves a work order with associated expense estimate, City agrees to perform such repair or maintenance and County agrees to reimburse City within thirty (30) days.

In the event City neglects, fails, or refuses to maintain said Premises as aforesaid, following thirty (30) days after written notice from County to City providing notice of such neglect or failure or refusal, County may, notwithstanding any other termination provisions contained herein: thirty (30) days following a second written notice of such neglect or failure or refusal, County may terminate this Lease with written notice to the City.

22. ASSIGNMENT AND SUBLETTING (3.1 SA)

County shall not assign this Lease or sublet the Premises or any part thereof without the prior written consent of City. However, both Parties agree that the County has the right to enter into a license agreement with the Friends of the Library, without the prior written consent of the City. This Lease serves as notice to the City of said license agreement between the County and Friends of the Library.

23. INSURANCE (3.2 N)

City shall obtain and keep in force during the term of this Lease a program of self-insurance to cover City's liability arising from City's performance of its obligations hereunder with limits no less than two million dollars ($2,000,000.00) and a policy or policies of commercial property insurance written on ISO form CP 00

10 10 12, or a substitute form providing coverage at least as broad, to cover the loss or damage to the Premises to the full insurable value of all improvements and fixtures owned by City, at least in the amount of the full replacement cost thereof.

City agrees to and shall include in the policy or policies of commercial property insurance a standard waiver of right of subrogation against the County of Orange, its elected and appointed officials, officers, agents and employees by the insurance company issuing said policy or policies. City further agrees to include in the policies required hereunder an Additional Insured endorsement naming the County of Orange, its elected and appointed officials, officers, agents and employee**s** as an additional insured. City shall provide County with a Certificate of Insurance and endorsement as evidence of compliance with these requirements upon request. City shall deposit the Certificate of Insurance with CEO Real Estate, consistent with the Notice clause, through electronic correspondence on or before the Effective Date of this Lease and annually throughout the Term, as necessary to: insurance.ceore@ocgov.com.

County shall obtain, maintain, and keep in full force and effect during the life of this Lease insurance or a program of self-insurance against claims for injuries to persons or damages to property which may arise from or in connection with the County's operation and use of the Premises. The cost of such insurance or a program of self-insurance shall be borne by the County. County shall designate the City as an Indemnified Party under its program of self-insurance.

Coverage shall be at least as broad as:

a. **Commercial General Liability** (CGL): Insurance Services Office Form CG 00 01 covering CGL on an "occurrence" basis, including products and completed operations, property damage, bodily injury and personal & advertising injury with limits no less than **Two Million Dollars ($2,000,000.00)** per occurrence.

b. **Workers' Compensation** insurance as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limits of no less than **One Million Dollars ($1,000,000.00)** per accident for bodily injury or disease.

c. **Property** insurance against all risks of loss to any tenant improvements or betterments, at full replacement cost with no coinsurance penalty provision.

If City or County maintains broader coverage and/or higher limits than the minimums shown above, the other Party shall be entitled to the broader coverage and/or higher limits maintained. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the other Party.

Endorsements. County's insurance policies shall contain, or be endorsed to contain, the following provisions:

a. Indemnified Party Status. The City of Cypress and its elected and appointed boards, officers, officials, agents, employees, and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the County of Orange including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the County of Orange's insurance (at least as broad as ISO Form CG 20 10).

b. Notice of Cancellation. Each insurance policy required above shall provide that coverage shall not be canceled, suspended, voided, nor the coverage or limited reduced, except with thirty (30) days written notice to the City.

Upon approval by City, the required endorsements set forth herein may be satisfied by County's Certificate of Self-insurance.

Waiver of Subrogation. County and City hereby waive all rights of subrogation.

Acceptability of Insurers. Insurance is to be placed with insurers authorized to conduct business in the State of California with a current A.M. Best's rating of no less than A: VII, unless otherwise acceptable to the City.

County and City shall provide Certificates of Insurance or a Certificate of Self-insurance to comply with the insurance requirements stated herein.

Special Risks or Circumstances. City reserves the right to modify these requirements at any time, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances; however said modifications must be mutually agreed upon by both Parties.

24. INDEMNIFICATION (3.3 SA)

City hereby agrees to indemnify, hold harmless, and defend County, its elected and appointed officials, officers, agents, employees, and those special districts and agencies which the Board of Supervisors acts as the governing board, with counsel approved by County, against any and all claims, loss, demands, damages, cost, expenses or liability arising out of the ownership, maintenance, or use of the Premises, except for liability arising out of the negligence of County, its elected and appointed officials, officers, agents, or employees, including the cost of defense of any lawsuit arising therefrom. In the event County is named as co-defendant, City shall notify County of such fact and shall represent County, with counsel approved by County, in such legal action unless County undertakes to represent itself as co-defendant in such legal action, in which event City shall pay County's litigation costs, expenses and attorneys' fees. In the event judgment is entered against County and City because of the concurrent negligence of County and City, their officers, agents, or employees, an apportionment of liability to pay such judgment shall be made by a court of competent jurisdiction. Neither Party shall request a jury apportionment.

County hereby agrees to indemnify, hold harmless, and defend City, its officers, agents, and employees, against any and all claims, loss, demands, damages, cost, expenses or liability arising out of the use of the Premises, except for liability arising out of the negligence of City, its officers, agents, or employees, including the cost of defense of any lawsuit arising therefrom.

25. TAX EXEMPTION (3.4 SA) – *Intentionally Omitted*

26. TOXIC MATERIALS (3.5 SA)

County hereby warrants and represents that County will comply with all laws and regulations relating to the storage, use and disposal of hydrocarbon substances and hazardous, toxic or radioactive matter, including, but not limited to, those materials identified in Title 26 of the California Code of Regulations (collectively "**Toxic Materials**"). County shall be responsible for and shall indemnify and hold City, its elected officials, officers,

directors, employees, agents, and representatives, harmless from and against all claims, costs and liabilities, including attorneys' fees and costs arising out of or in connection with the storage, use, and disposal of Toxic Materials on the Premises by County. If the storage, use, and disposal of Toxic Materials on the Premises by County results in contamination or deterioration of water or soil resulting in a level of contamination greater than maximum allowable levels established by any governmental agency having jurisdiction over such contamination, County shall promptly take any and all action necessary to clean up such contamination.

City hereby warrants and represents that City has in the past and will hereafter comply with all applicable laws and regulations relating to the storage, use and disposal of Toxic Materials. If the previous, current and future storage, use, and disposal of Toxic Materials on the Premises by City results in contamination or deterioration of water or soil resulting in a level of contamination greater than maximum allowable levels established by any governmental agency having jurisdiction over such contamination (and such violation does not arise out of any acts or omissions of County, its agents, employees or contractors), City shall promptly take any and all action necessary to clean up such contamination.

27. SUBORDINATION, ATTORNMENT AND NON-DISTURBANCE (3.6 SA) - *Intentionally Omitted*

28. ESTOPPEL CERTIFICATE (3.7 SA) - *Intentionally Omitted*

29. DEFAULTS AND REMEDIES (3.8 N)

County Default:

County shall be deemed in default of this Lease if: a) in the event of any monetary breach of this Lease by County, City shall notify County in writing of such breach, County shall have ten (10) days from such notice in which to cure said breach, and County fails to cure said breach, or b) in the event of any non-monetary breach of this Lease, County fails within fifteen (15) days after receipt by County of written notice specifying wherein such obligation of County has not been performed; provided however, that if the nature of County's obligation is such that more than fifteen (15) days after such notice are reasonably required for its performance, then County shall not be in breach of this Lease if performance is commenced as soon as reasonably possible within such fifteen (15) day period and thereafter diligently pursued to completion (each, a "**County Default**").

City Default:

City shall be deemed in breach of this Lease if: a) in the event of any monetary breach of this Lease by City, County shall notify City in writing of such breach, City shall have ten (10) days from such notice in which to cure said breach, and City fails to cure said breach, or b) in the event of any non-monetary breach of this Lease, City fails within fifteen (15) days after receipt by City of written notice specifying wherein such obligation of City has not been performed; provided however, that if the nature of City's obligation is such that more than fifteen (15) days after such notice are reasonably required for its performance, then City shall not be in breach of this Lease if performance is commenced as soon as reasonably possible within such fifteen (15) day period and thereafter diligently pursued to completion (each, a "**City Default**").

County Remedies:

County's remedies as the result of City Default shall be the right to damages, injunctive relief, and/or any other rights at law or in equity.

City Remedies:

City's remedies as the result of County Default for monetary or non-monetary breach shall be the right to damages, injunctive relief, and/or any other rights at law or in equity.

In addition to the remedies set forth herein, in the event of a City Default or a County Default, the non-defaulting Party may immediately terminate this Lease. Such termination shall be deemed effective thirty (30) days after the non-defaulting party provides written notice to the defaulting party that it is terminating this Lease pursuant to this Clause 29. Upon termination of this Lease, County shall remove all County-owned property and equipment from the Premises in a timely manner.

30. DEBT LIMIT (3.9 SA) - ***Intentionally Omitted***

31. LABOR CODE COMPLIANCE (4.0 N)

City and County acknowledges and agrees that all improvements or modifications performed shall be governed by, and performed in accordance with, the provisions of Article 2 of Chapter 1, Part 7, Division 2 of the Labor Code of the State of California (Sections 1770, et seq.), as applicable. These provisions may be applicable to improvements or modifications costing more than $1,000, unless an exception applies, including but not limited to the exception to the definition of public works under § 1720.2.

Pursuant to the provisions of Section 1773 of the Labor Code of the State of California, City and County shall comply with the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work in the locality applicable to this Lease for each craft, classification, or type of workman needed to execute the aforesaid improvements or modifications. The rates are available at the following website: http://www.dir.ca.gov/dlsr/DPreWageDetermination.htm from the Director of the State Department of Industrial Relations. As required by applicable law, City and County shall post a copy of such wage rates at the job site and shall pay the adopted prevailing wage rates at all times for all improvements or modifications to be completed for County within the Premises. As applicable, City and County shall comply with the provisions of Sections 1775 and 1813 of the Labor Code.

As required by applicable law, City and County shall maintain payroll records for all workers that will be assigned to the improvements or modifications. Said payroll records shall contain, but not be limited to, the complete name, address, telephone number, social security number, job classification, and prevailing wage rate for each worker. Upon request by either Party, City and/or County shall furnish certified payroll records for all workers that shall include, but not be limited to, the weekly hours worked, prevailing hourly wage rates, and total wages paid.

Except as expressly set forth in this Lease, nothing herein is intended to grant authority for City to perform improvements or modifications on space currently leased by County or for which County has entered into a lease or lease amendment.

32. RIGHT TO WORK AND MINIMUM WAGE LAWS (4.1 N)

In accordance with the United States Immigration Reform and Control Act of 1986, City and County shall require its employees that directly or indirectly service the Premises or the terms and conditions of this Lease, in any manner whatsoever, to verify their identity and eligibility for employment in the United States. City and County shall also require and verify that its contractors or any other persons servicing the Premises or terms and conditions of this Lease, in any manner whatsoever, verify the identity of their employees and their eligibility for employment in the United States.

Pursuant to the United States of America Fair Labor Standard Act of 1938, as amended, and State of California Labor Code, Section 1178.5, City and County shall pay no less than the greater of the Federal or California Minimum Wage to all its employees that directly or indirectly service the Premises, in any manner whatsoever. City and County shall require and verify that all its contractors or other persons servicing the Premises also pay their employees no less than the greater of the Federal or California Minimum Wage.

City and County shall comply and verify that its contractors comply with all other Federal and State of California laws for minimum wage, overtime pay, record keeping, and child labor standards pursuant to the servicing of the Premises or terms and conditions of this Lease.

Notwithstanding the minimum wage requirements provided for in this clause, City and County, where applicable, shall comply with the prevailing wage and related requirements, as provided for in Clause 31 (LABOR CODE COMPLIANCE) of this Lease.

33. COMMISSION (4.2 SA*) - Intentionally Omitted*

34. COUNTY PROPERTY (4.3 SA)

All trade fixtures, merchandise, inventory, telecommunications equipment, supplemental air conditioning equipment and all personal property placed in or about the Premises by, at the direction of or with the consent (express or implied) of the City, its employees, agents, licensees or invitees, shall be at the sole risk of the County, and City shall not be liable for any loss of or damage to said property resulting from any cause whatsoever unless such loss or damage is the result of City's negligence or willful misconduct and not otherwise waived pursuant to Clause 35 (CITY'S RIGHT OF ENTRY) below. City hereby waives any and all lien rights, whether statutory or common law or established pursuant to this Lease, that City may have as "landlord" with respect to any and all goods, wares, equipment, fixtures, furniture, improvements and other personal property of County presently or which may hereafter be situated within the Premises.

35. CITY'S RIGHT OF ENTRY AND ACCESS TO THE PREMISES (4.4 N)

City shall have the right to enter the Premises at any time, with or without notice to County. City and County shall each have full access to the entire Premises, with the exception of each Party's server room. Access to each Party's server room shall be limited to that Party and its officers, agents, employees, and volunteers, unless such Party permits access to the other Party.

36. SIGNAGE (4.5 SA)

County shall not erect, install or maintain any sign or display upon or in front of the Premises and/or Building without prior written approval from City. However, County may hang up to two banners and/or flags at each entrance to the Library for special events without prior City approval. Such banners and flags shall be removed promptly after the conclusion of such special events. All signage shall comply with all applicable laws and zoning and site plan requirements.

37. SECURITY SERVICES (4.6 SA)

County may provide security services within the Premises. City may provide security services for the exterior of the Premises.

County shall wire the Building alarm system notifications so that City's Police and Fire Departments are notified when the Building alarm system activated.

38. AUTHORITY (4.7 SA)

The persons executing the Lease below on behalf of County or City warrant that they have the power and authority to bind County or City to this Lease.

39. LEASE ORGANIZATION (4.8 SA)

The various headings in this Lease, the numbers thereof, and the organization of the Lease into separate sections and paragraphs are for purposes of convenience only and shall not be considered otherwise.

40. SUCCESSORS IN INTEREST (4.9 SA)

Unless otherwise provided in this Lease, the terms, covenants, and conditions contained herein shall apply to and bind the heirs, successors, executors, administrators, and assigns of all the Parties hereto, all of whom shall be jointly and severally liable hereunder.

41. DESTRUCTION OF OR DAMAGE TO PREMISES (5.0 NA)

"**Partial Destruction**" of the Premises shall mean damage or destruction to the Premises, for which the repair cost is less than 25 percent (25%) of the then replacement cost of the Premises (including tenant improvements), excluding the value of the land.

"**Total Destruction**" of the Premises shall mean damage or destruction to the Premises, for which the repair cost is 25 percent (25%) or more of the then replacement cost of the Premises (including tenant improvements), excluding the value of the land.

In the event of a Partial Destruction of the Premises, City shall immediately pursue completion of all repairs necessary to restore the Premises to the condition which existed immediately prior to said Partial Destruction. Said restoration work (including any demolition required) shall be completed by City, at City's sole cost, within sixty (60) days of the occurrence of said Partial Destruction or within an extended time frame as may be mutually agreed. County shall reimburse City for costs to repair the Premises for damage or destruction caused by County or County's employees, agents or invitees. The Partial Destruction of the Premises shall in no way render this Lease null and void. Should City fail to complete necessary repairs, for any reason, within sixty (60) days, or other time frame as may be mutually agreed, County may, at County's sole option, terminate the Lease.

In the event of Total Destruction of the Premises or the Premises being legally declared unsafe or unfit for occupancy, this Lease shall in no way be rendered null and void and City shall immediately initiate action to rebuild or make repairs, as necessary, to restore the Premises (including replacement of all tenant improvements) to the condition which existed immediately prior to the destruction. County shall reimburse City for costs to repair the Premises for damage or destruction caused by County or County's employees, agents or invitees. In the event City refuses to diligently pursue or is unable to restore the Premises to a condition suitable for being occupied (including replacement of all tenant improvements) within one hundred and eighty (180) days of the occurrence of said destruction or within an extended time frame as may be mutually agreed, County may, at County's sole option, terminate this Lease.

42. AMENDMENT (5.1 SA)

This Lease sets forth the entire agreement between City and County and any modification must be in the form of a written amendment.

43. PARTIAL INVALIDITY (5.2 SA)

If any term, covenant, condition, or provision of this Lease is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remainder of the provisions hereof shall remain in full force and effect and shall in no way be affected, impaired, or invalidated thereby.

44. CIRCUMSTANCES WHICH EXCUSE PERFORMANCE (5.3 SA)

If either Party hereto shall be delayed or prevented from the performance of any act required hereunder by reason of Force Majeure as defined below in Clause 55 (FORCE MAJEURE), performance of such act shall be excused for the period of the delay; and the period for the performance of any such act shall be extended for a period equivalent to the period of such delay. Financial inability shall not be considered a circumstance excusing performance under this Lease.

45. STATE AUDIT (5.4 SA)

Pursuant to and in accordance with Section 8546.7 of the California Government Code, in the event that this Lease involves expenditures and/or potential expenditures of State funds aggregating in excess of ten thousand dollars ($10,000), City shall be subject to the examination and audit of the Auditor General of the State of California for a period of three years after final payment by County to City under this Lease. The examination and audit shall be confined to those matters connected with the performance of the contract, including, but not limited to, the costs of administering the contract.

46. WAIVER OF RIGHTS (5.5 SA)

The failure of City or County to insist upon strict performance of any of the terms, conditions, and covenants in this Lease shall not be deemed a waiver of any right or remedy that City or County may have, and shall not be deemed a waiver of any right or remedy for a subsequent breach or default of the terms, conditions, and covenants herein contained.

47. HOLDING OVER (5.6 SA)

In the event County shall continue in possession of the Premises after the Term or any Extension Term of this Lease, such possession shall not be considered a renewal of this Lease but a tenancy from month to month and shall be governed by the conditions and covenants contained in this Lease.

48. EARTHQUAKE SAFETY (5.7 SA)

City hereby confirms that to the best of City's knowledge, the Premises was in compliance with all applicable seismic safety regulations and building codes at the time of construction.

49. QUIET ENJOYMENT (5.8 SA)

City agrees that, subject to the terms, covenants and conditions of this Lease, County may, upon observing and complying with all terms, covenants and conditions of this Lease, peaceably and quietly occupy the Premises.

50. ADMINISTRATIVE COSTS (5.9 SA) - *Intentionally Omitted*

51. GOVERNING LAW AND VENUE (6.0 SA)

This agreement has been negotiated and executed in the State of California and shall be governed by and construed under the laws of the State of California. In the event of any legal action to enforce or interpret this agreement, the sole and exclusive venue shall be a court of competent jurisdiction located in Orange County, California, and the Parties hereto agree to and do hereby submit to the jurisdiction of such court, notwithstanding Code of Civil Procedure section 394.

52. ATTORNEYS' FEES (6.1 SA)

In the event of a dispute between City and County concerning claims arising out of this Lease, or in any action or proceeding brought to enforce or interpret any provision of this Lease or where any provision hereof is validly asserted as a defense, each Party shall bear its own attorneys' fees and costs.

53. TIME (6.2 SA)

Time is of the essence of this Lease.

54. INSPECTION OF PREMISES BY A CERTIFIED ACCESS SPECIALIST (6.3 SA)

In accordance with California Civil Code 1938(e), "A Certified Access Specialist (CASp) can inspect the subject premises and determine whether the subject premises comply with all of the applicable construction-related accessibility standards under state law. Although state law does not require a CASp inspection of the subject premises, the commercial property owner or lessor may not prohibit the lessee or tenant from obtaining a CASp inspection of the subject premises for the occupancy or potential occupancy of the lessee or tenant, if requested by the lessee or tenant. The Parties shall mutually agree on the arrangements for the time and manner of the CASp inspection, the payment of the fee for the CASp inspection, and the cost of making any repairs necessary to correct violations of construction-related accessibility standards within the premises."

Pursuant to California Civil Code section 1938, City hereby represents that the Premises has not undergone an inspection by a certified access specialist and no representations are made with respect to compliance with accessibility standards. However, if it is determined that a violation of handicapped access laws (including the Americans with Disabilities Act) existed at the Premises as of the Commencement Date, City shall correct such non-compliance at City's cost, unless such non-compliance is due to alterations made by County or the placement of County's furniture, fixtures or equipment by County in which case, County shall correct such non-compliance at County's cost.

55. FORCE MAJEURE (6.4 SA)

For purposes of this Lease, the term "**Force Majeure**" means any of the following events which are beyond the control of either Party: act of God, unavailability of equipment or materials (but only if such equipment and materials were ordered in a timely fashion), enemy or terrorist act, act of war, riot or civil commotion, strike, lockout or other labor disturbance, fire, earthquake, explosion, governmental delays (including

nonstandard delays in issuance of any permit or other necessary governmental approval or the scheduling of any inspections or tests), nonstandard delays by third party utility providers, or any other matter of any kind or character beyond the reasonable control of the Party delayed or failing to perform under this Lease despite such Party's best efforts to fulfill the obligation. "**Best Efforts**" includes anticipating any potential force majeure event and addressing the effects of any such event (a) as it is occurring and (b) after it has occurred, to prevent or minimize any resulting delay to the greatest extent possible. Force Majeure shall not include inability to obtain financing or other lack of funds. City and County shall be excused for the period of any delay in the performance of any obligation hereunder when such delay is occasioned by causes beyond its control.

56. CONDEMNATION (6.5 SA)

If the Premises or any portion thereof are taken under the power of eminent domain or sold under the threat of the exercise of said power (collectively, "**Condemnation**"), this Lease shall terminate as to the part taken as of the date the condemning authority takes title or possession, whichever first occurs. If all or a material portion of the rentable area of the Premises are taken by Condemnation, County may, at County's option, to be exercised in writing within ten (10) days after City shall have given County written notice of such taking (or in the absence of such notice, within ten (10) days after the condemning authority shall have taken possession) terminate this Lease as of the date the condemning authority takes such possession. City shall also have the right to terminate this Lease if there is a taking by Condemnation of any portion of the Building or property which would have a material adverse effect on City's ability to profitably operate the remainder of the Building. If neither Party terminates this Lease in accordance with the foregoing, this Lease shall remain in full force and effect as to the portion of the Premises remaining. Condemnation awards and/or payments shall be the property of City, whether such award shall be made as compensation for diminution in value of the leasehold, the value of the part taken or for severance damages. County hereby waives any and all rights it might otherwise have pursuant to Section 1265.130 of the California Code of Civil Procedure, or any similar or successor Laws.

57. CONSENT OR APPROVAL (6.6 SA)

Unless expressly stated otherwise, where the consent or approval of a Party is required, such consent or approval will not be unreasonably withheld, conditioned or delayed.

58. UNENFORCEABLE PROVISIONS (6.7 SA)

If any paragraph or clause hereof shall be determined illegal, invalid or unenforceable by a court of competent jurisdiction, it is the express intention of the Parties hereto that the remainder of the Lease shall not be affected thereby, and it is also the express intentions of the Parties hereto that in lieu of each paragraph or clause of this Lease which may be determined to be illegal, invalid or unenforceable, there may be added as a part of this Lease a paragraph or clause as similar in terms to such illegal or invalid or unenforceable paragraph or clause as may be possible and may be legal, valid and enforceable.

59. NOTICES (6.8 SA)

All written notices pursuant to this Lease shall be addressed as set forth below or as either Party may hereafter designate by written notice and shall be deemed received upon personal delivery, delivery by facsimile machine, electronic mail, or seventy-two (72) hours after deposit in the United States Mail.

To: City
City of Cypress
5275 Orange Ave.,
Cypress, CA 90630
Attention: City Manager

To: County
Orange County Public Library
1501 E. St. Andrew Place
Santa Ana, CA 92705
Attention: County Librarian

With a copy to:

County of Orange, CEO Real Estate
400 West Civic Center Drive, 5th Floor
Santa Ana, CA 92701
Attention: Chief Real Estate Officer

In regards to insurance, Lessor shall ensure that any and all insurance related mail includes the Lease number and project name and Lessor shall mail all insurance certificates and insurance related correspondence to: insurance.ceore@ocgov.com.

60. ATTACHMENTS (6.9 SA)

This Lease includes the following, which are attached hereto and made a part hereof:

I. EXHIBITS

Exhibit A - Description of Premises
Exhibit B - Depiction of Premises
Exhibit C - City Maintenance Schedule

61. COUNTERPARTS (7.0 SA)

This Lease may be executed in one or more electronic or original counterparts, each of which will be deemed an original signature but all of which together will constitute one and the same instrument.

IN WITNESS WHEREOF, the Parties have executed this Lease the day and year first above written.

APPROVED AS TO FORM:

OFFICE OF COUNTY COUNSEL
ORANGE COUNTY, CALIFORNIA

By_____
Deputy

Date:_____

RECOMMENDED FOR APPROVAL

OC Public Libraries

By_____
County Librarian

COUNTY EXECUTIVE OFFICE

By _____
Administrative Manager
Real Estate Services

CITY

City of Cypress, a municipal corporation

By_____
Peter Grant, City Manager

APPROVED AS TO FORM:

By_____
Fred Galante, City Attorney

ATTEST:

By_____
Alisha Farnell, City Clerk

SIGNED AND CERTIFIED THAT A
COPY OF THIS DOCUMENT HAS BEEN
DELIVERED TO THE CHAIRMAN OF
THE BOARD OF SUPERVISORS
PER GC § 25103, RESO. 79-1535

BY: _____
ROBIN STIELER
Clerk of the Board of Supervisors
of Orange County, California

COUNTY

COUNTY OF ORANGE

BY:_____
Chairman of the Board of Supervisors
Orange County, California

EXHIBIT A

LEASE DESCRIPTION

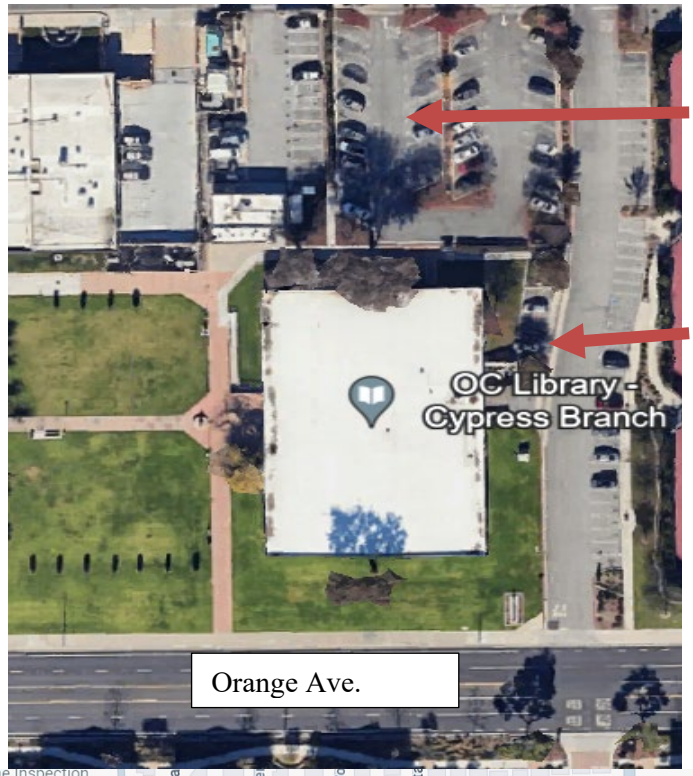
PROJECT NO:	OCPL-001	DATE:	5/1/24
PROJECT:	Cypress Library	VERIFIED BY:	Julie Oakley

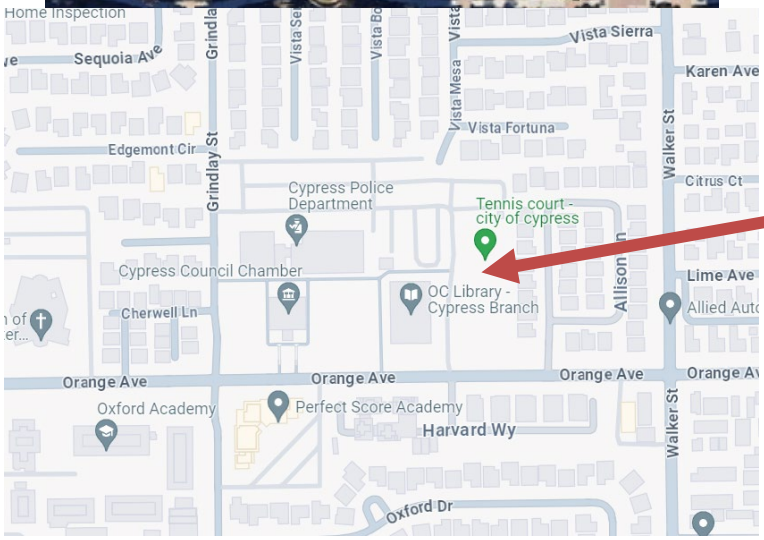
All the Premises shown on plot plan marked Exhibit B, attached hereto and made a part hereof, located at 5331 Orange Avenue in the City of Cypress, County of Orange, State of California, comprising approximately 15,090 square feet, together with free use of twelve (12) parking spaces in the parking shown on Exhibit B.

NOT TO BE RECORDED

EXHIBIT B

DEPICTION OF PREMISES





OPL-001 **Cypress Library** 5331 Orange Avenue Cypress, CA 90630	Prepared By: Checked By: Julie Oakley Date: 6-11-2024	**County OF ORANGE** **OC PUBLIC LIBRARIES**

EXHIBIT C

CITY MAINTENANCE SCHEDULE

CYPRESS LIBRARY HEATING-VENTILATION-AIR CONDITIONING (HVAC) MAINTENANCE BY CITY CONTRACTOR

- Respond to indoor temperature complaints and provide expeditious correction and record complaints and corrections.
- Inspect all HVAC systems at least twice a year, with seasonal start-up and run inspections performed and documented.
- Inspect all support structures and provide documentation of maintenance and repairs to the City representative.
- Inspect all moving parts or components, investigate noises; belts; bearings; drives; and fans, and lubricate and adjust as recommended per manufacturers' specifications.
- Perform air-handling unit maintenance which includes but is not limited to; all services recommended by manufacturer; replacing air filters at least quarterly.
- Perform monthly walkthroughs of HVAC systems for preventative maintenance work requests.

CYPRESS LIBRARY LANDSCAPE MAINTENANCE BY CITY CONTRACTOR (SCOPE AND FREQUENCY ARE SUBJECT TO CHANGE, WITH THE APPROVAL OF THE CITY ENGINEER, BUT SHALL AT A MINIMUM MEET THE SAME LEVEL OF SERVICE FOR THE CIVIC CENTER LANDSCAPE MAINTENANCE SERVICES)

- Mowing – weekly
- Planter weeding – minimum one time per month or more often as needed
- Shrub trimming – minimum one time per month or more often as needed
- Turf fertilization – two times per year
- Planter fertilization – two times per year
- Planter pre-emergent or alternate method, as needed
- Irrigation inspection – one time per month. Repairs made on an as needed basis.
- Trimming of trees on an as needed basis
- Pest control services – on going as needed

CYPRESS LIBRARY MAINTENANCE BY CITY/CITY CONTRACTOR

- Clean inside and outside of all windows – minimum two (2) times a year

CITY OF CYPRESS

CITY COUNCIL REPORT

City Council Regular **10.**

FROM: Matt Burton, Director of Finance and Administrative Services

DATE: 08/26/2024

SUBJECT: **Approve a Renewal Agreement for Fiber Internet Services**

RECOMMENDATION

Approve a three-year renewal agreement for fiber internet services with Spectrum Enterprise for $41,364.

DISCUSSION

The City's agreement for fiber internet services expires in August 2024. These services provide the primary internet connection at City Hall and all internet traffic from City facilities are routed through the connection. Due to the high volume flowing through City Hall, it is necessary to have sufficient bandwidth to handle the traffic and provide enhanced reliability and availability for all facilities. Adding to these needs, the City continues to invest in new technologies and transition existing solutions to cloud-based applications and systems, which has created a demand for additional internet bandwidth.

A review of the two major providers of fiber internet services available in the area was conducted. Spectrum Enterprises, the existing provider of fiber internet services to the City, was determined to provide the appropriate level of service at the most reasonable cost. The Spectrum proposal provides double the amount of bandwidth when compared to the existing agreement. By opting for a three-year agreement, the annual cost of service is $13,788 which is $3,500 (25%) less than the price offered under a one-year agreement. Therefore, it is recommended a three-year agreement with Spectrum Enterprise be approved. The agreement will cover the period September 2024 through August 2027.

BUDGET IMPACT

The annual cost for service in the recommended agreement represents a modest decrease (about two percent) when compared to the current agreement and sufficient amounts are available in the FY 2024-25 budget.

LEGAL REVIEW

None required.

APPROVED BY: Peter Grant, City Manager

Attachments

Spectrum Internet Agreement

SERVICE ORDER

THIS SERVICE ORDER ("Service Order"), is executed and effective upon the date of the signature set forth in the signature block below ("Effective Date") and is by and between Charter Communications Operating, LLC on behalf of those operating subsidiaries providing the Service(s) hereunder ("Spectrum") and Customer (as shown below) and is governed by and subject to the Spectrum Enterprise Commercial Terms of Service posted to the Spectrum Enterprise website, https://enterprise.spectrum.com/ (or successor url) or, if applicable, an existing services agreement mutually executed by the parties (each, as appropriate, a "Service Agreement"). Except as specifically modified herein, all other terms and conditions of the Service Agreement shall remain unamended and in full force and effect.

Spectrum Enterprise Contact Information
Contact: Ellice Lee Telephone: 5623909055 Email: ellice.lee@charter.com

Customer Information		
Customer Name CITY OF CYPRESS		Order # 14419307
Address 5275 ORANGE AVE CYPRESS CA 90630		
Telephone (714) 229-6715		Email: asmith@cypressca.org
Contact Name Adrian Smith	Telephone (714) 229-6715	Email: asmith@cypressca.org
Billing Address 5275 ORANGE AVE CYPRESS CA 90630		
Billing Contact Name	Telephone	Email:

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NEW AND REVISED SERVICES AT 5275 Orange Ave , Cypress CA 90630				
Service Description	**Order Term**	**Quantity**	**Monthly Recurring Charge(s)**	**Total Monthly Recurring Charge(s)**
Fiber Internet 1Gbps	36 Months	1	$1,149.00	$1,149.00
Static IP 5	36 Months	1	$0.00	$0.00
TOTAL*				**$1,149.00**

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1. **TOTAL CHARGE(S). TOTAL MONTHLY RECURRING CHARGES AND TOTAL ONE-TIME CHARGES ARE DUE IN ACCORDANCE WITH THE MONTHLY INVOICE.**
2. **TAXES. PLUS APPLICABLE TAXES, FEES, AND SURCHARGES AS PRESENTED ON THE RESPECTIVE INVOICE(S).**
3. **SPECIAL TERMS.**

By signing below, the signatory represents they are duly authorized to execute this Service Order.

CUSTOMER SIGNATURE

Signature: _____

Printed Name: Scott Minikus

Title: Mayor

Date: _____

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Spectrum ENTERPRISE™

Spectrum Enterprise
Fiber Internet Access Service Level Agreement

This Service Level Agreement ("SLA") for Spectrum Enterprise ("Spectrum") Fiber Internet Access (referred to herein as "FIA" or the "Service") is a part of, and hereby incorporated by reference into the Spectrum Enterprise Service Agreement (including the terms and conditions, attachments, and Service Orders described therein, the "Service Agreement"). To the extent any provision of this SLA conflicts with the Service Agreement, this SLA shall control. Performance goals for the Services ("SLA Targets") are set forth in the tables below. Capitalized words used but not defined herein shall have the meanings assigned to them in the Service Agreement.

I. Priority Classification and Definitions

Priority classifications for Service Disruptions and Service Degradations are described as follows:

Priority	Criteria
Priority 1	• Service Disruption resulting in a total loss of Service; or • Service Degradation to the point where Customer is unable to use the Service (each a "Priority 1 Outage")
Priority 2	• Service Degradation where Customer is able to use the Service
Priority 3	• A service problem that does not impact the Service; or • A single non-circuit specific quality of Service inquiry

As used in this SLA, the following terms have the meanings assigned below:

"Service Disruption" is defined as an outage, disruption, or degradation, other than an Excluded Disruption, that interferes with the ability of a Spectrum network hub to: (i) transmit and receive network traffic on Customer's dedicated access port at the Spectrum network hub; or (ii) exchange network traffic with another Spectrum network hub. The Service Disruption period begins on the earlier of (i) when Spectrum opens a trouble ticket in connection with a Service Disruption that Spectrum detects and verifies, or (ii) when Customer reports a Service Disruption by contacting Enterprise Technical Support, and then Spectrum validates that the Service is affected and creates a corresponding trouble ticket. The Service Disruption ends when the affected Service has been restored.

"Service Degradation" means a degradation of the Service, such as failure of the Service to achieve the SLA Targets for Latency/Frame Delay, Jitter/Frame Delay Variation, or Packet Delivery.

"Excluded Disruptions" means (i) planned outages, (ii) routine or urgent maintenance, (iii) time when Spectrum is unable to gain access to Customer's Service Location to troubleshoot, repair or replace equipment or the Service, (iv) Service problems resulting from acts or omissions of Customer or Customer's representatives or agents, (v) Customer equipment failures, (vi) Customer does not release the Service for testing, and (vii) Force Majeure Events.

II. SLA Targets for FIA Service

Service Availability	Mean Time To Restore ("MTTR")	Latency / Frame Delay (Roundtrip)	Jitter / Frame Delay Variation	Packet Delivery
End to End: 100%	Priority 1 Outages within 4 hours	≤ 35ms	≤ 1ms	≥ 99.99%

SLA Targets are measured from Customer's Service Location to the location where Spectrum Enterprise ("Spectrum") has local access to the Internet (i.e., the Spectrum point of presence) at the individual circuit or Service level, and any applicable credits are issued only for the affected FIA circuit or Service (the "Affected Service").

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III. SLA Calculations

1. Service Availability

"Service Availability" is calculated as the total number of minutes in a calendar month, less the number of minutes in the calendar month that the Service is unavailable due to a Priority 1 Outage ("Downtime"), with such difference divided by the total number of minutes in the calendar month, and expressed as a percentage.

Service Availability per calendar month is calculated as follows:

$$\text{Service Availability} = \frac{\text{Total number of minutes in the calendar month - Downtime}}{\text{Total number of minutes in a calendar month}} \times 100$$

2. Mean Time to Restore ("MTTR")

The MTTR SLA Target is applicable to Priority 1 Outages and is measured, each calendar month, as the average time for Spectrum to restore Priority 1 Outages calculated as the cumulative length of time it takes Spectrum to restore a Service following a Priority 1 Outage divided by the corresponding number of trouble tickets for Priority 1 Outages opened during the respective calendar month for the Service.

MTTR per calendar month is calculated as follows:

$$\text{Mean Time to Restore} = \frac{\text{Cumulative length of time to restore Priority 1 Outage(s) per Service in the calendar month}}{\text{Total number of Priority 1 Outage trouble tickets per Service in the calendar month}}$$

3. Latency/Frame Delay

Latency or Frame Delay is the average roundtrip network delay, measured every five (5) minutes during a calendar month (except during an Excluded Disruption), to adequately determine a consistent average monthly performance level for frame delay for each Service. The roundtrip delay is expressed in milliseconds (ms).

Latency/Frame Delay is calculated as follows:

$$\text{Latency or Frame Delay Average (ms)} = \frac{\text{Sum of the roundtrip delay measurements for a Service in the calendar month}}{\text{Total number of measurements for a Service in the calendar month}}$$

4. Packet Delivery

Packet Delivery is defined as the percentage of frames that are successfully received compared to the total frames that are sent in a calendar month (except during an excluded Disruption). The percentage calculation is based on frames that are transmitted from a network origination point and received at a network destination point.

Packet Delivery is calculated as follows:

$$\text{Packet Delivery (\%)} = \frac{\text{Number of frames delivered in the calendar month}}{\text{Total frames sent in the calendar month}} \times 100$$

5. Jitter/Frame Delay Variation

Jitter or Frame Delay Variation is defined as the variation in delay for two consecutive frames that are transmitted (one way) from a network origination point and received at a network destination point. Spectrum measures a sample set of frames every five (5) minutes during a calendar month (except during an Excluded Disruption), and determines the average delay between consecutive frames within each sample set. The monthly Jitter/Frame Delay Variation is calculated as the average of all of the frame delay variation measurements during such calendar month and is expressed in milliseconds (ms).

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Jitter/Frame Delay Variation is calculated as follows:

Jitter or Frame Delay Variation Average (ms) =	**Sum of the Frame Delay Variation measurements for a Service in the calendar month** **Total number of measurements for a Service in the calendar month**

IV. Remedies

1. Service Credits

If a Service fails to satisfy the SLA Targets during any calendar month and Customer is in compliance with the terms of the Service Agreement and this SLA, then Customer may request credit equal to the corresponding percentage of monthly recurring charges ("MRC") for the Affected Service as set forth in the tables below. Any credit to be applied will be offset against amounts due from Customer to Spectrum in the billing cycle following the date Spectrum makes its credit determination. Credit requests must be submitted to Spectrum within thirty (30) days of the calendar month in which the SLA Target was missed. Spectrum will exercise commercially reasonable efforts to respond to such credit requests within thirty (30) days of receipt thereof.

Service Availability Credits		
Downtime		**Service Credit**
> 0	< 1 hour	10% of MRC
≥ 1 hour	< 2 hours	20% of MRC
≥ 2 hours	< 4 hours	30% of MRC
≥ 4 hours	< 8 hours	40% of MRC
≥ 8 hours	< 12 hours	50% of MRC
≥ 12 hours	< 16 hours	80% of MRC
≥ 16 hours		100% of MRC

Mean Time To Restore ("MTTR") Credits		Latency/Frame Delay (Roundtrip) Credit	Jitter/Frame Delay Variation Credit	Packet Delivery Credit
MTTR > 4 hours < 8 hours	40% of MRC	50% of MRC	50% of MRC	50% of MRC
MTTR ≥ 8 hours	50% of MRC			

All SLA Targets are monthly measurements, and Customer may request only one credit per SLA Target per month for the Affected Service. Should one event impact more than one SLA hereunder, Customer shall receive the single highest of the qualifying credits only. Service Credits hereunder shall not be cumulative per Service. The aggregate credit amount due to Customer in any month will not exceed 100% of the MRC for the Affected Service. Except as set forth below, the credits described in this SLA shall constitute Customer's sole and exclusive remedy, and Spectrum's sole and exclusive liability, with respect to any missed SLA Targets.

2. Chronic Priority 1 Outages

If Customer experiences and reports three (3) separate Priority 1 Outages where the Downtime exceeds four (4) hours during each Priority 1 Outage within three (3) consecutive calendar months, then Customer may terminate the Affected Service without charge or liability by providing at least thirty (30) days written notice to Spectrum; provided, however, that (i) Customer may only terminate the Affected Service; (ii) Customer must exercise its right to terminate the Affected Service by providing written notice to Spectrum within thirty (30) days after the event giving rise to Customer's termination right; (iii) Customer shall have paid Spectrum all amounts due at the time of such termination for all Services provided by Spectrum pursuant to the Service Agreement, and (iv) the foregoing termination right provides the sole and exclusive remedy of Customer and the sole and exclusive liability of Spectrum for chronic Priority 1 Outages and Customer shall not be eligible for any additional credits.

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V. Network Maintenance

Maintenance Notice:
Customer understands that from time to time, Spectrum will perform network maintenance for network improvements and preventive maintenance. In some cases, Spectrum will need to perform urgent network maintenance, which will usually be conducted within the routine maintenance windows. Spectrum will use reasonable efforts to provide advance notice of the approximate time, duration, and reason for any urgent maintenance outside of the routine maintenance windows.

Maintenance Windows:
Routine maintenance may be performed Monday – Friday 12 a.m. – 6 a.m. local time.

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DocuSign

Certificate Of Completion

Envelope Id: 79A4FD9FE86E4AD980851F6656037D80
Status: Sent
Subject: DocuSign: City of Cypress | Fiber Internet Upgrade
Source Envelope:
Document Pages: 9
Signatures: 0
Envelope Originator:
Certificate Pages: 5
Initials: 0
Ellice Lee
AutoNav: Enabled
Ellice.Lee@charter.com
EnvelopeId Stamping: Disabled
IP Address: 209.112.106.2
Time Zone: (UTC-08:00) Pacific Time (US & Canada)

Record Tracking

Status: Original
7/8/2024 1:02:47 PM
Holder: Ellice Lee
Ellice.Lee@charter.com
Location: DocuSign

Signer Events	Signature	Timestamp
Scott Minikus sminikus@cypressca.org Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Not Offered via DocuSign		Sent: 7/11/2024 5:13:39 PM

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp
Adrian Smith asmith@cypressca.org IT Manager City of Cypress Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Accepted: 8/3/2021 9:51:18 AM ID: 4d2f12cf-d015-4414-acdc-f6416fbbe398 Company Name: Spectrum Enterprise	COPIED	Sent: 7/8/2024 1:10:19 PM Resent: 7/11/2024 5:13:38 PM Viewed: 7/12/2024 8:51:36 AM

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	7/8/2024 1:10:19 PM
Envelope Updated	Security Checked	7/11/2024 5:13:38 PM
Envelope Updated	Security Checked	7/11/2024 5:13:38 PM
Envelope Updated	Security Checked	7/11/2024 5:13:38 PM
Envelope Updated	Security Checked	7/11/2024 5:13:38 PM

Payment Events	Status	Timestamps

Electronic Record and Signature Disclosure

ELECTRONIC RECORD AND SIGNATURE DISCLOSURE

From time to time, Charter Communications Operating, LLC ("Spectrum") may be required by law to provide to you certain written notices or disclosures. Described below are the terms and conditions for providing to you such notices and disclosures electronically through the DocuSign system. Please read the information below carefully and thoroughly, and if you can access this information electronically to your satisfaction and agree to this Electronic Record and Signature Disclosure (ERSD), please confirm your agreement by selecting the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

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At any time, you may request from us a paper copy of any record provided or made available electronically to you by us. You will have the ability to download and print documents we send to you through the DocuSign system during and immediately after the signing session and, if you elect to create a DocuSign account, you may access the documents for a limited period of time (usually 30 days) after such documents are first sent to you. If you wish to receive paper copies in lieu of electronic documents, you may close this browser and request paper copies from the "sending party" by following the procedures outlined below.

Withdrawing your consent

If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

Consequences of changing your mind

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. Further, you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

Requesting paper copies, withdrawing consent, and updating contact information

Requesting Paper Copies.
Please provide your name, title, email, telephone, postal address and document title.

Withdraw Consent.
Please provide your name, title, email, date, telephone number and postal address.

Update Contact Information.
Please provide your name, title, email, telephone and postal address.

Any fees associated with sending paper copies or withdrawing consent will be determined by the sending party.

All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

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To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;

ii. notify the "sending party" by email and in the body of such request you must state your email, full name, title, mailing address, and telephone number. We do not need any other information from you to withdraw consent. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process.

Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: https://support.docusign.com/guides/signer-guide-signing-system-requirements.

Acknowledging your access and consent to receive and sign documents electronically

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

By selecting the check-box next to 'I agree to use electronic records and signatures', you confirm that:

- You can access and read this Electronic Record and Signature Disclosure; and
- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify Charter Communications Operating, LLC ("Spectrum") as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by DocuSign during the course of your relationship with Charter Communications Operating, LLC ("Spectrum").

CITY OF CYPRESS

CITY COUNCIL REPORT

City Council Regular **11.**

FROM: Peter Grant, City Manager

DATE: 08/26/2024

SUBJECT: **Approve Task Orders for Communications Support and Marketing**

RECOMMENDATION

1. Approve a Task Order to Communications LAB for $120,000 for City Communications Support and Marketing Services for FY 2024-25; and

2. Approve a Task Order to Communications LAB for $60,000 for Recreation and Park District Communications Support and Marketing Services for FY 2024-25.

DISCUSSION

The City Council approved a five-year on-call agreement with Communications LAB for marketing and communications support following a competitive process in 2021. Communications LAB manages social media, email and newsletter content, provides communications support, maintains website content, produces *The Progress*, among other assignments. They have improved social media reach and interactions, the quality of video production, and created a unified marketing and communications voice for Cypress. They have also created new, recurring video segments, including *Minute with the Mayor, Cypress Says* and *Made in Cypress.*

Communications LAB implemented a new social media strategy for the City in January 2023. From January 2023 to August 2024, the City has seen the following changes in interactions on our two most popular platforms, Facebook and Instagram:

Facebook

Followers	5,524	53% increase
Reach	389,200	328% increase
Profile Visits	64,900	354% increase

Instagram

Followers	4,760	26% increase
Reach	242,900	495% increase

Profile Visits	21,200	465% increase

The attached task orders for FY 2024-25 will provide the same levels of service as FY 2023-24 for both the City and Recreation and Park District. Communications LAB has staffing flexibility which enables a higher level of service, at roughly the same annual cost as the previously funded Communications and Marketing Analyst position.

BUDGET IMPACT

Sufficient appropriations for contract services are available in the City's and District's General Fund budgets to pay for the task orders for Fiscal Year 2024-25.

LEGAL REVIEW

None required.

APPROVED BY: Peter Grant, City Manager

Attachments

City Task Order
Recreation Task Order

July 1, 2024

Peter Grant, City Manager
City of Cypress
5275 Orange Ave.
Cypress CA 90630

cc: Jason Machado, Senior Management Analyst

SUBJECT: **Task Order 008 (3rd EXTENSION)**
Ongoing Strategic Communications Support

Dear Mr. Grant,

Communications LAB is pleased to submit the following proposal to provide professional support and ongoing strategic communications services to the City of Cypress as outlined below.

The scope of services as outlined below are an extension of Task Order 008 for the new fiscal year. Individual task areas and associated costs are presented by line item for FY 2024-25. This extension would be for July 1, 2024 through June 30, 2025 with a NOT TO EXCEED AMOUNT (NTE) of $10,000 mo./$120,000 annually.

Date(s)	Task Description	Hours	Rate	Total
Fiscal Year 2024/ 2025	**Community Events** • Support Staffing • Videography • Photography • Event Planning	15 Hours Per Mo.	$150	$2,250
	Social Media • Content Creation • Photos/Video • Copy Editing • Social Channel Monitoring • Community Mgmt. • Mayor's Minute (Film & Edit)	10 Hours Per Mo.	$150	$1,500
	Community Newsletter • Content Creation • Design & Layout • Production Mgmt.	15 Hours Per Mo.	$150	$2,250

	Email Outreach • Content Creation • Design & Layout • Coordination with Staff	15 Hours Per Mo.	$150	$2,250
	Media Relations (as needed) • Press Releases • Content Delivery • Council Support	5 Hours Per Mo.	$150	$750
	Website Management • Content Creation • Graphic Design • Calendar Updates	10 Hours Per Mo.	$150	$1500
	Reports & Metrics • Qtr. KPI Reports • Staff Meetings • Monthly Task Reports	10 Hours Per Mo.	$150	$1500
	Monthly Hours & Costs Discount	80 Hours	$150	$12,000 ($2,000)
	Total Monthly Cost			$10,000
	Total Annual Project Cost	960 Hours	$150	$120,000

Additionally, as stated above, Communications LAB will be billing at a blended hourly professional rate of $150 per hour. We have provided the Rate Sheet below to reflect as much. As a valued client, this provides the City of Cypress a discounted professional service rate going forward.

Communications LAB Billing Rates

Title	Standard Rate	Negotiated Rate
CEO	$200	$150
President	$195	$150
Vice President	$185	$150
Director	$175	$150
Sr. Account Manager	$160	$150
Account Manager - 1	$140	$150
Account Manager – 2	$130	$150
Account Executive	$130	$150
Graphic Designer	$130	$150
Account Coordinator	$115	$150

If you should have any questions, please feel free to contact me at my personal mobile phone (714) 878-4864 or via email at arianna@communicationslab.com.

Thank you,

Arianna Barrios, CEO
Communications LAB
701 E Chapman Avenue
Orange, CA 92866

July 1, 2024

Jeff Draper, Director
Recreation & Community Services
City of Cypress
5275 Orange Ave.
Cypress CA 90630

cc: Jason Machado, Senior Management Analyst

SUBJECT: **Task Order 006 (3rd Extension)**
Strategic Communications Support
Recreation & Community Services

Dear Mr. Draper

Communications LAB is pleased to submit the following proposal for services to provide professional support to the City of Cypress, Recreation & Community Services Department in the form of **Task Order 006 (3rd Extension)** as outlined below. The scope of services and schedule of compensation are presented by line item for FY 2024-25. This extension would be for the period of July 1, 2024 through June 30, 2025 with a NOT TO EXCEED AMOUNT (NTE) of $5,000 mo./$60,000 yr.

Task Order 006 (3rd Extension)
Ongoing Strategic Communications Support
Rec and Comms Services Department

Date(s)	Task Description	Hours	Cost
July 2024-June 2025	• Social Media Management • Graphic Design • Social Channel Monitoring • Digital Event Marketing • Community Management • Quarterly KPI Reporting • Team Meetings • Website Updates • City and Event Photos • City and Event Videography • Event Planning & Implementation • Special Event Support	Minimum Monthly Hours **33.33** Minimum Annual Hours **400**	Hourly Rate: $150 Monthly Cost: $5,000 Total Cost: $60,000
	Task Order Total		**$60,000**

Additionally, as stated above, Communications LAB will be billing at a blended hourly professional rate of $150 per hour. We have provided the Rate Sheet below to reflect as much. As a valued client, this provides the City of Cypress a discounted professional service rate going forward.

Communications LAB Billing Rates

Title	Standard Rate	Negotiated Rate
CEO	$200	$150
President	$195	$150
Vice President	$185	$150
Director	$175	$150
Sr. Account Manager	$160	$150
Account Manager - 1	$140	$150
Account Manager – 2	$130	$150
Account Executive	$130	$150
Graphic Designer	$130	$150
Account Coordinator	$115	$150

If you should have any questions, please feel free to contact me at my personal mobile phone (714) 878-4864 or via email at arianna@communicationslab.com.

Thank you,

Arianna Barrios, CEO
Communications LAB
701 E Chapman Avenue
Orange, CA 92866

CITY OF CYPRESS

CITY COUNCIL REPORT

City Council Regular **12.**

FROM: Mark Lauderback, Chief of Police

DATE: 08/26/2024

SUBJECT: **Award On-Call Contract for Police Department Pre-Employment Background Investigation Services**

RECOMMENDATION

Award an on-call contract for Police Department pre-employment background investigations services to JL Group.

DISCUSSION

The Police Department is required to conduct pre-employment background investigations on all new employees. Due to the complexity of these investigations and the importance of remaining fair and impartial, background investigations are largely handled by outside third-party firms. Having three on-call contracts to provide pre-employment background investigations provides the Police Department with a pool of resources and options necessary to complete these investigations as quickly as possible. In the current law enforcement job market, the ability to process new employees efficiently is critical. The City utilizes similar on-call contracts for a variety of services throughout all departments, including within the Police Department for internal affairs investigations.

Earlier this year, the City conducted a Request for Proposals (RFP) for on-call background investigation services and the City Council approved contracts with the three highest-rated firms in February. One of these vendors, Horsemen Investigations, went out of business earlier this summer. The next highest ranked firm from the RFP process is JL Group, LLC. JL Group is located in Orange County and has conducted background investigations for neighboring cities such as Anaheim, Buena Park, Fountain Valley and Seal Beach. It is recommended JL Group be added to the list of on-call investigation firms, with an initial on-call contract for three years with two optional one-year extensions.

BUDGET IMPACT

There must be amounts available in the budget before a vendor can be authorized to initiate any work under an on-call contract. Sufficient amounts are expected to be available in the FY 2024-25 Budget to perform all required background investigation services through June 30, 2025.

LEGAL REVIEW

The City Attorney has approved the agreement as to form.

APPROVED BY: Peter Grant, City Manager

Attachments

JL Group Contract

CITY OF CYPRESS
AGREEMENT FOR CONTRACT SERVICES FOR POLICE DEPARTMENT BACKGROUND INVESTIGATIONS

THIS AGREEMENT FOR CONTRACT SERVICES (herein "Agreement") is made and entered into this 1st day of September 2024, by and between the CITY OF CYPRESS, a California municipal corporation ("City") and JL Group LLC, a Limited Liability corporation, a California based company (herein "Contractor").

NOW, THEREFORE, the parties hereto agree as follows:

1. SERVICES OF CONTRACTOR

1.1 Scope of Services. In compliance with all of the terms and conditions of this Agreement, the Contractor shall perform the work or services set forth in the "Scope of Services" attached hereto as Exhibit "A" and incorporated herein by reference. Contractor warrants that it has the experience and ability to perform all work and services required hereunder and that it shall diligently perform such work and services in a professional and satisfactory manner.

1.2 Compliance With Law. All work and services rendered hereunder shall be provided in accordance with all ordinances, resolutions, statutes, rules, and regulations of the City and any Federal, State or local governmental agency of competent jurisdiction.

1.3 Licenses, Permits, Fees and Assessments. Contractor shall obtain at its sole cost and expense such licenses, permits, and approvals as may be required by law for the performance of the services required by the Agreement.

1.4 Special Requirements. Additional terms and conditions of this Agreement, if any, which are made a part hereof are set forth in the "Special Requirements" attached hereto as Exhibit "B" and incorporated herein by this reference. In the event of a conflict between the provisions of Exhibit "B" and any other provisions of this Agreement, the provisions of Exhibit "B" shall govern.

2. COMPENSATION

2.1 Contract Sum. For the services rendered pursuant to this Agreement, Contractor shall be compensated in accordance with the "Schedule of Compensation" attached hereto as Exhibit "C" and incorporated herein by this reference, but not exceeding available amounts contained in the City Council approved budget for services and purchases herein (See Exhibits "B" and C") (the "Contract Sum").

2.2 Invoices. Each month Contractor shall furnish to City an original invoice for all work performed and expenses incurred during the preceding month in a form approved by City's Director of Finance. By submitting an invoice for payment under this Agreement, Contractor is certifying compliance with all provisions of the Agreement. The invoice shall detail charges for all necessary and actual expenses by the following categories: labor (by sub-category), travel, materials, equipment, supplies, and sub-contractor contracts. Sub-contractor charges shall

also be detailed by such categories. Contractor shall not invoice City for any duplicate services performed by more than one person.

City shall independently review each invoice submitted by the Contractor to determine whether the work performed and expenses incurred are in compliance with the provisions of this Agreement. Except as to any charges for work performed or expenses incurred by Contractor which are disputed by City, City will use its best efforts to cause Contractor to be paid within forty-five (45) days of receipt of Contractor's correct and undisputed invoice; however, Contractor acknowledges and agrees that due to City warrant run procedures, the City cannot guarantee that payment will occur within this time period. In the event any charges or expenses are disputed by City, the original invoice shall be returned by City to Contractor for correction and resubmission. Review and payment by the City of any invoice provided by the Contractor shall not constitute a waiver of any rights or remedies provided herein or any applicable law.

2.3 Additional Services. City shall have the right at any time during the performance of the services, without invalidating this Agreement, to order extra work beyond that specified in the Scope of Services or make changes by altering, adding to or deducting from said work. No such extra work may be undertaken unless a written order is first given by the Contract Officer to the Contractor, incorporating therein any adjustment in (i) the Contract Sum for the actual cost of the extra work, and/or (ii) the time to perform this Agreement, which said adjustments are subject to the written approval of the Contractor. Any increase in compensation of up to ten percent (10%) of the Contract Sum but not exceeding a total contract amount of Five Thousand Dollars ($5,000) or in the time to perform of up to ninety (90) days may be approved by the Contract Officer. Any greater increases, taken either separately or cumulatively, must be approved by the City Council. No claim for an increase in the Contract Sum or time for performance shall be valid unless the procedures established in this Section are followed.

3. PERFORMANCE SCHEDULE

3.1 Time of Essence. Time is of the essence in the performance of this Agreement.

3.2 Schedule of Performance. Contractor shall commence the services pursuant to this Agreement upon receipt of a written notice to proceed and shall perform all services within the time period(s) established in the "Schedule of Performance" attached hereto as Exhibit "D" and incorporated herein by this reference. When requested by the Contractor, extensions to the time period(s) specified in the Schedule of Performance may be approved in writing by the Contract Officer but not exceeding thirty (30) days cumulatively.

3.3 Force Majeure. The time period(s) specified in the Schedule of Performance for performance of the services rendered pursuant to this Agreement shall be extended because of any delays due to unforeseeable causes beyond the control and without the fault or negligence of the Contractor, including, but not restricted to, acts of God or of the public enemy, unusually severe weather, fires, earthquakes, floods, epidemics, quarantine restrictions, riots, strikes, freight embargoes, wars, litigation, and/or acts of any governmental agency, including the City, if the Contractor shall within ten (10) days of the commencement of such delay notify the Contract Officer in writing of the causes of the delay. The Contract Officer shall ascertain the facts and the extent of delay, and extend the time for performing the services for the period of the enforced delay when and if in the judgment of the Contract Officer such delay is

justified. The Contract Officer's determination shall be final and conclusive upon the parties to this Agreement. In no event shall Contractor be entitled to recover damages against the City for any delay in the performance of this Agreement, however caused, Contractor's sole remedy being extension of the Agreement pursuant to this Section.

3.4 Term. Unless earlier terminated in accordance with Article 7 of this Agreement, this Agreement shall continue in full force and effect until completion of the services but not exceeding one (1) year from the date hereof, except as otherwise provided in the Schedule of Performance (Exhibit "D").

4. COORDINATION OF WORK

4.1 Representative of Contractor. Jeffrey B. Love, Principal is hereby designated as being the representative of Contractor authorized to act on its behalf with respect to the work and services specified herein and make all decisions in connection therewith. All personnel of Contractor and any authorized agents shall be under the exclusive direction of the representative of Contractor. Contractor shall utilize only competent personnel to perform services pursuant to this Agreement. Contractor shall make every reasonable effort to maintain the stability and continuity of Contractor's staff and subcontractors, and shall keep City informed of any changes.

4.2 Contract Officer. Support Services Division Captain, or such person as may be designated by the City Manager, is hereby designated as being the representative the City authorized to act in its behalf with respect to the work and services specified herein and to make all decisions in connection therewith ("Contract Officer").

4.3 Prohibition Against Subcontracting or Assignment. Contractor shall not contract with any entity to perform in whole or in part the work or services required hereunder without the express written approval of the City. Neither this Agreement nor any interest herein may be assigned or transferred, voluntarily or by operation of law, without the prior written approval of City. Any such prohibited assignment or transfer shall be void.

4.4 Independent Contractor. Neither the City nor any of its employees shall have any control over the manner, mode or means by which Contractor, its agents or employees, perform the services required herein, except as otherwise set forth. Contractor shall perform all services required herein as an independent contractor of City with only such obligations as are consistent with that role. Contractor shall not at any time or in any manner represent that it or any of its agents or employees are agents or employees of City, or that it is a member of a joint enterprise with City.

5. INSURANCE AND INDEMNIFICATION

5.1 Insurance Coverages. The Contractor shall procure and maintain, at its sole cost and expense, in a form and content satisfactory to City, during the entire term of this Agreement including any extension thereof, the following policies of insurance which shall cover all elected and appointed officers, employees and agents of City:

(a) Commercial General Liability Insurance (Occurrence Form CG0001 or equivalent). A policy of comprehensive general liability insurance written on a per occurrence

basis for bodily injury, personal injury and property damage. The policy of insurance shall be in an amount not less than $1,000,000.00 per occurrence or if a general aggregate limit is used, either the general aggregate limit shall apply separately to this contract/location, or the general aggregate limit shall be twice the occurrence limit.

(b) Worker's Compensation Insurance. A policy of worker's compensation insurance in such amount as will fully comply with the laws of the State of California and which shall indemnify, insure and provide legal defense for the Contractor against any loss, claim or damage arising from any injuries or occupational diseases occurring to any worker employed by or any persons retained by the Contractor in the course of carrying out the work or services contemplated in this Agreement.

(c) Automotive Insurance (Form CA 0001 (Ed 1/87) including "any auto" and endorsement CA 0025 or equivalent). A policy of comprehensive automobile liability insurance written on a per occurrence for bodily injury and property damage in an amount not less than either (i) bodily injury liability limits of $100,000 per person and $300,000 per occurrence and property damage liability limits of $150,000 per occurrence or (ii) combined single limit liability of $1,000,000. Said policy shall include coverage for owned, non-owned, leased, hired cars, and any other automobile.

(d) Professional Liability. Professional liability insurance appropriate to the Contractor's profession. This coverage may be written on a "claims made" basis, and must include coverage for contractual liability. The professional liability insurance required by this Agreement must be endorsed to be applicable to claims based upon, arising out of or related to services performed under this Agreement. The insurance must be maintained for at least 5 consecutive years following the completion of Contractor's services or the termination of this Agreement. During this additional 5-year period, Contractor shall annually and upon request of the City submit written evidence of this continuous coverage.

(e) Additional Insurance. Policies of such other insurance, as may be required in the Special Requirements in Exhibit "B".

(f) Subcontractors. Contractor shall include all subcontractors as insureds under its policies or shall furnish separate certificates and certified endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

5.2 General Insurance Requirements.

All of the above policies of insurance shall be primary insurance and shall name the City, elected and appointed officers, employees and agents as additional insureds and any insurance maintained by City or officers, employees or agents may apply in excess of, and not contribute with Contractor's insurance. The insurer is deemed hereof to waive all rights of subrogation and contribution it may have against the City, officers, employees and agents and their respective insurers. The insurance policy must specify that where the primary insured does not satisfy the self-insured retention, any additional insured may satisfy the self-insured retention. All of said policies of insurance shall provide that said insurance may not be amended or cancelled by the insurer or any party hereto without providing thirty (30) days prior written notice by certified mail return receipt requested to the City. In the event any of said policies of insurance are cancelled,

the Contractor shall, prior to the cancellation date, submit new evidence of insurance in conformance with this Section 5.1 to the Contract Officer. No work or services under this Agreement shall commence until the Contractor has provided the City with Certificates of Insurance, additional insured endorsement forms or appropriate insurance binders evidencing the above insurance coverages and said Certificates of Insurance or binders are approved by the City. City reserves the right to inspect complete, certified copies of and endorsement to all required insurance policies at any time. Any failure to comply with the reporting or other provisions of the policies including breaches or warranties shall not affect coverage provided to City.

The insurance required by this Agreement shall be satisfactory only if issued by companies qualified to do business in California, rated "A" or better in the most recent edition of Best Rating Guide, The Key Rating Guide or in the Federal Register, and only if they are of a financial category Class VII or better, unless such requirements are waived by the City's Risk Manager or other designee of the City due to unique circumstances.

5.3 Indemnification. To the full extent permitted by law, Contractor agrees to indemnify, defend and hold harmless the City, its officers, employees and agents ("Indemnified Parties") against, and will hold and save them and each of them harmless from, any and all actions, either judicial, administrative, arbitration or regulatory claims, damages to persons or property, losses, costs, penalties, obligations, errors, omissions or liabilities whether actual or threatened (herein "claims or liabilities") that may be asserted or claimed by any person, firm or entity arising out of or in connection with the negligent performance of the work, operations or activities provided herein of Contractor, its officers, employees, agents, subcontractors, or invitees, or any individual or entity for which Contractor is legally liable ("indemnitors"), or arising from Contractor's or indemnitors' reckless or willful misconduct, or arising from Contractor's or indemnitors' negligent performance of or failure to perform any term, provision, covenant or condition of this Agreement, and in connection therewith:

a. Contractor will defend any action or actions filed in connection with any of said claims or liabilities and will pay all costs and expenses, including legal costs and attorney's fees incurred in connection therewith;

b. Contractor will promptly pay any judgment rendered against the City, its officers, agents or employees for any such claims or liabilities arising out of or in connection with the negligent performance of or failure to perform such work, operations or activities of Contractor hereunder; and Contractor agrees to save and hold the City, its officers, agents, and employees harmless therefrom;

c. In the event the City, its officers, agents or employees is made a party to any action or proceeding filed or prosecuted against Contractor for such damages or other claims arising out of or in connection with the negligent performance of or failure to perform the work, operation or activities of Contractor hereunder, Contractor agrees to pay to the City, its officers, agents or employees, any and all costs and expenses incurred by the City, its officers, agents or employees in such action or proceeding, including but not limited to, legal costs and attorney's fees.

Contractor shall incorporate similar indemnity agreements with its subcontractors and if it fails to do so Contractor shall be fully responsible to indemnify City hereunder therefore, and failure of City to monitor compliance with these provisions shall not be a waiver hereof. This

indemnification includes claims or liabilities arising from any negligent or wrongful act, error or omission, or reckless or willful misconduct of Contractor in the performance of professional services hereunder. The provisions of this Section do not apply to claims or liabilities occurring as a result of City's sole negligence or willful acts or omissions, but, to the fullest extent permitted by law, shall apply to claims and liabilities resulting in part from City's negligence, except that design professionals' indemnity hereunder shall be limited to claims and liabilities arising out of the negligence, recklessness or willful misconduct of the design professional. The indemnity obligation shall be binding on successors and assigns of Contractor and shall survive termination of this Agreement.

6. RECORDS, REPORTS, AND RELEASE OF INFORMATION

6.1 Records. Contractor shall keep, and require subcontractors to keep, such ledgers, books of accounts, invoices, vouchers, canceled checks, reports, studies or other documents relating to the disbursements charged to City and services performed hereunder (the "books and records"), as shall be necessary to perform the services required by this Agreement and enable the Contract Officer to evaluate the performance of such services and shall keep such records for a period of three years following completion of the services hereunder. The Contract Officer shall have full and free access to such books and records at all times during normal business hours of City, including the right to inspect, copy, audit and make records and transcripts from such records.

6.2 Reports. Contractor shall periodically prepare and submit to the Contract Officer such reports concerning the performance of the services required by this Agreement or as the Contract Officer shall require.

6.3 Confidentiality and Release of Information.

(a) All information gained or work product produced by Contractor in performance of this Agreement shall be considered confidential, unless such information is in the public domain or already known to Contractor. Contractor shall not release or disclose any such information or work product to persons or entities other than the City without prior written authorization from the Contract Officer.

(b) Contractor shall not, without prior written authorization from the Contract Officer or unless requested by the City Attorney, voluntarily provide documents, declarations, letters of support, testimony at depositions, response to interrogatories or other information concerning the work performed under this Agreement. Response to a subpoena or court order shall not be considered "voluntary" provided Contractor gives the City notice of such court order or subpoena.

(c) If Contractor provides any information or work product in violation of this Agreement, then the City shall have the right to reimbursement and indemnity from Contractor for any damages, costs and fees, including attorney's fees, caused by or incurred as a result of Contractor's conduct.

(d) Contractor shall promptly notify the City should Contractor be served with any summons, complaint, subpoena, notice of deposition, request for documents, interrogatories, request for admissions or other discovery request, court order or subpoena from any party

regarding this Agreement and the work performed thereunder. The City retains the right, but has no obligation, to represent Contractor or be present at any deposition, hearing or similar proceeding. Contractor agrees to cooperate fully with the City and to provide the City with the opportunity to review any response to discovery requests provided by Contractor.

6.4 Ownership of Documents. All studies, surveys, data, notes, computer files, reports, records, drawings, specifications, maps, designs, photographs, documents and other materials (the "documents and materials") prepared by Contractor in the performance of this Agreement shall be the property of the City and shall be delivered to the City upon request of the Contract Officer or upon the termination of this Agreement, and Contractor shall have no claim for further employment or additional compensation as a result of the exercise by the City of its full rights of ownership use, reuse, or assignment of the documents and materials hereunder. Moreover, Contractor with respect to any documents and materials that may qualify as "works made for hire" as defined in 17 U.S.C. § 101, such documents and materials are hereby deemed "works made for hire" for the City.

7. ENFORCEMENT OF AGREEMENT AND TERMINATION

7.1 California Law. This Agreement shall be interpreted, construed and governed both as to validity and to performance of the parties in accordance with the laws of the State of California. Legal actions concerning any dispute, claim or matter arising out of or in relation to this Agreement shall be instituted in the Superior Court of the County of Orange, State of California. In the event of litigation in a U.S. District Court, venue shall lie exclusively in the Central District of California, in the County of Orange, State of California.

7.2 Disputes; Default. In the event that Contractor is in default under the terms of this Agreement, the City shall not have any obligation or duty to continue compensating Contractor for any work performed after the date of default. Instead, the City may give notice to Contractor of the default and the reasons for the default. The notice shall include the timeframe in which Contractor may cure the default. This timeframe is presumptively thirty (30) days, but may be extended, if circumstances warrant. During the period of time that Contractor is in default, the City shall hold all invoices and shall, when the default is cured, proceed with payment on the invoices. If Contractor does not cure the default, the City may take necessary steps to terminate this Agreement under this Article.

7.3 Legal Action. In addition to any other rights or remedies, either party may take legal action, in law or in equity, to cure, correct or remedy any default, to recover damages for any default, to compel specific performance of this Agreement, to obtain declaratory or injunctive relief, or to obtain any other remedy consistent with the purposes of this Agreement. Notwithstanding any contrary provision herein, Contractor shall file a statutory claim pursuant to Government Code Sections 905 et. seq. and 910 et. seq., in order to pursue any legal action under this Agreement.

Except with respect to rights and remedies expressly declared to be exclusive in this Agreement, the rights and remedies of the parties are cumulative and the exercise by either party of one or more of such rights or remedies shall not preclude the exercise by it, at the same or different times, of any other rights or remedies for the same default or any other default by the other party.

7.4 Termination Prior to Expiration of Term. This Section shall govern any termination of this Contract except as specifically provided in the following Section for termination for cause. The City reserves the right to terminate this Contract at any time, with or without cause, upon written notice to Contractor. In addition, the Contractor may terminate this Contract at any time for cause, upon sixty (60) days' advance written notice to City. Upon receipt of any notice of termination, Contractor shall immediately cease all services hereunder except such as may be specifically approved by the Contract Officer. Except where the Contractor has initiated termination, the Contractor shall be entitled to compensation for all services rendered prior to the effective date of the notice of termination and for any services authorized by the Contract Officer thereafter in accordance with the Schedule of Compensation or such as may be approved by the Contract Officer. In the event the Contractor has initiated termination, the Contractor shall be entitled to compensation only for the reasonable value of the work product actually produced hereunder, but not exceeding the compensation provided therefore in the Schedule of Compensation Exhibit "C". In the event of termination without cause pursuant to this Section, the terminating party need not provide the non-terminating party with the opportunity to cure pursuant to Section 7.2.

7.5 Termination for Default of Contractor. If termination is due to the failure of the Contractor to fulfill its obligations under this Agreement, City may, after compliance with the provisions of Section 7.2, take over the work and prosecute the same to completion by contract or otherwise, and the Contractor shall be liable to the extent that the total cost for completion of the services required hereunder exceeds the compensation herein stipulated (provided that the City shall use reasonable efforts to mitigate such damages), and City may withhold any payments to the Contractor for the purpose of set-off or partial payment of the amounts owed the City as previously stated.

8. MISCELLANEOUS

8.1 Covenant Against Discrimination. Contractor covenants that, by and for itself, its heirs, executors, assigns and all persons claiming under or through them, that there shall be no discrimination against or segregation of, any person or group of persons on account of race, color, creed, religion, sex, gender, sexual orientation, marital status, national origin, ancestry, or other protected class in the performance of this Agreement. Contractor shall take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, color, creed, religion, sex, gender, sexual orientation, marital status, national origin, ancestry, or other protected class

8.2 Non-liability of City Officers and Employees. No officer or employee of the City shall be personally liable to the Contractor, or any successor in interest, in the event of any default or breach by the City or for any amount, which may become due to the Contractor or to its successor, or for breach of any obligation of the terms of this Agreement.

8.3 Notice. Any notice, demand, request, document, consent, approval, or communication either party desires or is required to give to the other party or any other person shall be in writing and either served personally or sent by prepaid, first-class mail, in the case of the City, to the City Manager and to the attention of the Contract Officer (with her/his name and City title), City of Cypress, 5275 Orange Avenue, Cypress, California 90630 and in the case of the Contractor, to the person(s) at the address designated on the execution page of this Agreement.

Either party may change its address by notifying the other party of the change of address in writing. Notice shall be deemed communicated at the time personally delivered or in seventy-two (72) hours from the time of mailing if mailed as provided in this Section.

8.4 Integration; Amendment. It is understood that there are no oral agreements between the parties hereto affecting this Agreement and this Agreement supersedes and cancels any and all previous negotiations, arrangements, agreements and understandings, if any, between the parties, and none shall be used to interpret this Agreement. This Agreement may be amended at any time by the mutual consent of the parties by an instrument in writing.

8.5 Severability. In the event that part of this Agreement shall be declared invalid or unenforceable by a valid judgment or decree of a court of competent jurisdiction, such invalidity or unenforceability shall not affect any of the remaining portions of this Agreement which are hereby declared as severable and shall be interpreted to carry out the intent of the parties hereunder unless the invalid provision is so material that its invalidity deprives either party of the basic benefit of their bargain or renders this Agreement meaningless.

8.6 Waiver. No delay or omission in the exercise of any right or remedy by non-defaulting party on any default shall impair such right or remedy or be construed as a waiver. A party's consent to or approval of any act by the other party requiring the party's consent or approval shall not be deemed to waive or render unnecessary the other party's consent to or approval of any subsequent act. Any waiver by either party of any default must be in writing and shall not be a waiver of any other default concerning the same or any other provision of this Agreement.

8.7 Attorney's Fees. If either party to this Agreement is required to initiate or defend or made a party to any action or proceeding in any way connected with this Agreement, the prevailing party in such action or proceeding, in addition to any other relief which any be granted, whether legal or equitable, shall be entitled to reasonable attorney's fees, whether or not the matter proceeds to judgment.

8.8 Interpretation.

The terms of this Agreement shall be construed in accordance with the meaning of the language used and shall not be construed for or against either party by reason of the authorship of this Agreement or any other rule of construction which might otherwise apply.

8.9 Counterparts.

This Agreement may be executed in counterparts, each of which shall be deemed to be an original, and such counterparts shall constitute one and the same instrument.

8.10 Warranty & Representation of Non-Collusion. No official, officer, or employee of City has any financial interest, direct or indirect, in this Agreement, nor shall any official, officer, or employee of City participate in any decision relating to this Agreement which may affect his/her financial interest or the financial interest of any corporation, partnership, or association in which (s)he is directly or indirectly interested, or in violation of any corporation, partnership, or association in which (s)he is directly or indirectly interested, or in violation of any State or municipal statute or regulation. The determination of "financial interest" shall be

consistent with State law and shall not include interests found to be "remote" or "noninterests" pursuant to Government Code Sections 1091 or 1091.5. Contractor warrants and represents that it has not paid or given, and will not pay or give, to any third party including, but not limited to, any City official, officer, or employee, any money, consideration, or other thing of value as a result or consequence of obtaining or being awarded any agreement. Contractor further warrants and represents that (s)he/it has not engaged in any act(s), omission(s), or other conduct or collusion that would result in the payment of any money, consideration, or other thing of value to any third party including, but not limited to, any City official, officer, or employee, as a result of consequence of obtaining or being awarded any agreement. Contractor is aware of and understands that any such act(s), omission(s) or other conduct resulting in such payment of money, consideration, or other thing of value will render this Agreement void and of no force or effect.

Contractor's Authorized Initials _____

8.11 Corporate Authority. The persons executing this Agreement on behalf of the parties hereto warrant that (i) such party is duly organized and existing, (ii) they are duly authorized to execute and deliver this Agreement on behalf of said party, (iii) by so executing this Agreement, such party is formally bound to the provisions of this Agreement, and (iv) the entering into this Agreement does not violate any provision of any other Agreement to which said party is bound. This Agreement shall be binding upon the heirs, executors, administrators, successors and assigns of the parties.

[Signatures on the following page.]

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date and year first-above written.

CITY:
City of Cypress, a municipal corporation

Scott Minikus, Mayor

ATTEST:

Alisha Farnell, City Clerk

APPROVED AS TO FORM:
ALESHIRE & WYNDER, LLP

Fred Galante, City Attorney

CONTRACTOR:
JL Group, LLC

By:

Name: JEFFRY L. JOHNSON
Title: PRINCIPAL

By:

Name:
Title:

Address: 30025 ALICA PARKWAY #327
LAGUNA NIGUEL, CA 92677

Two corporate officer signatures required when Contractor is a corporation, with one signature required from each of the following groups: 1) Chairman of the Board, President or any Vice President; and 2) Secretary, any Assistant Secretary, Chief Financial Officer or any Assistant Treasurer.

EXHIBIT "A"

SCOPE OF SERVICES

I. On an on-call and as-needed basis, Contractor shall provide Police Department background investigation services generally described in this Scope of Services, which are assigned in writing at the direction of the Contract Officer. **This Agreement retains Contractor's on-call and as-needed availability, but does not guarantee that the Contractor shall be selected to provide services.** Contractor must obtain written approval from the Contract Officer to perform maintenance.

II. Contractor acknowledges and agrees that City has no obligation to request any Services from Contractor under this Agreement.

III. Agreement does not provide for Contractor's compensation except for Contractor's services rendered pursuant to a written approval from the Contract Officer to commence services.

IV. Pre-employment background investigations shall be consistent with the guidelines set forth in the following California laws:

- Government Code 1031
- Penal Code Section 13510(c)
- Peace Officer Standards and Training (P.O.S.T.) Regulation 1953 for Sworn Peace Officers
- Civil Code 1786, et al.

V. Contractor's on-call and as-needed services, may include, but are not limited to, the following:

Perform background investigations and provide the required reports and forms within four to six weeks of receipt of request, unless the City grants an extension. A comprehensive background investigation file shall include a detailed report summarizing all findings and reports of each applicant's background and eligibility based on City of Cypress hiring and POST standards and the above-referenced codes and regulations. Though not solely completed by the Contractor, a Cypress Police Department background investigation report will, at a minimum, address the following areas:

1. A narrative-based summary of the applicant's background investigation. This summary will reflect the below-listed aspects of the background investigation, and articulate any concerns that were discovered as a result of the background investigation.

2. A review of the candidate's personal history statement.

3. A photograph of the applicant.

4. Verification of birth and citizenship.

5. Social Security Number (SSN) - Trace & Address Locator verification to determine name and name variations used by the individual such as maiden, divorced or previous names; other names associated with that SSN, current and former addresses associated with that SSN, and date of birth.

6. Employment verification and history.

7. Verification and contacts with the applicant's professional references.

8. Verification and contacts with the applicant's personal references.

9. Education background and verification. This section should verify that the applicant has either graduated from an accredited high school, or has passed the General Education Development (GED) Test, or has passed the California High School Equivalency Examination. Copies of transcripts and diplomas from colleges and universities must be included.

10. Military verification and/or Selective Service registrations, including applicable dates of service, branch of military, rank and discharge status, etc.

11. Financial information, including monthly income/expenses.

12. Criminal history that advises of felony and/or misdemeanor convictions.

13. Applications to other Police department agencies, including an examination of the status/dispositions of said applications.

14. Motor vehicle driving history (all states in which applicant held an operators/driver's license), including a copy of the applicant's driver's license and proof of motor vehicle insurance.

15. Drug and/or substance use history.

16. Neighborhood and rent check, including contacts with the applicant's neighbors.

17. Polygraph examination. (Proposer does not administer the polygraph examination, but will provide a statement regarding the results of the examination).

18. Civil suits and legal judgments concerning the applicant (Federal, State and Current County of residence).

19. Fingerprint return, demonstrating the results of a Department of Justice and Federal Bureau of Investigation fingerprint check for criminal history. (This is conducted by the Cypress Police Department Records Division).

20. A check of wants/warrants information systems, including County of Orange CLETS system; National Crime Information Center (NCIC); Department of Justice search of the Child Abuse Central Index. (This is conducted by the Cypress Police Department Records Division).

EXHIBIT "B"

SPECIAL REQUIREMENTS
(Superseding Contract Boilerplate)

I. **Section 2.1 shall be amended to read as follows:**

2.1 Contract Sum. For on-call services rendered pursuant to this Agreement, the Contractor shall be compensated in accordance with the "Schedule of Compensation" attached hereto as Exhibit "C" and incorporated herein by this reference in an amount not to exceed available amounts contained in the City Council approved budget for services and purchases herein ("Contract Sum"). Contractor shall provide estimate of work pursuant to Exhibit "A" for approval by the Contract Officer prior to the commencement of the investigation or related services.

II **Section 3.4 shall be amended to read as follows:**

3.4 Term. Unless earlier terminated in accordance with Article 7 of this Agreement, this Agreement shall continue in full force and effect from and after September 1, 2024 and for thirty (36) consecutive calendar months thereafter. City reserves the right, in its sole and unfettered discretion, to extend the Term of this Agreement, upon the same terms and conditions set forth herein, for up to a maximum of two (2) one-year extended terms (an "Extended Term"). City shall exercise its right to extend the Term of the Agreement by providing Contractor with written notice of its intent to extend the Term or any Extended Term of this Agreement not less than forty-five (45) calendar days prior to the expiration of the Term or any Extended Term of this Agreement.

EXHIBIT "C"

SCHEDULE OF COMPENSATION

I. This Schedule of Compensation governs Contractor's compensation in the event the Contractor performs services pursuant to a written approval from the Contract Officer as provided in Exhibit "A". Compensation shall be as follows:

Year 1
Sworn Officer Flat rate $1,800

Non-Sworn/Professional Staff $1,300

Year 2
Sworn Officer Flat rate $1,850

Non-Sworn/Professional Staff $1,350

Year 3
Sworn Officer Flat rate $1,900

Non-Sworn/Professional Staff $1,400

Contractor will not charge the full rate for background investigations that are terminated by the City during the early or mid-stages of the process. City will only be billed for a percentage of the time worked to the point of termination.

If a situation arises where a partial background is conducted due to early disqualification, withdrawal, etc. or there is significant travel time, a pay schedule is as follows:

$75 per hour

Contract Extension Rates

Rates may be adjusted by up to 3% per year if the City extends the term of the agreement per section 3.4. Rate adjustments must be mutually agreed upon between City and Contractor. The Contract Officer must provide written approval before any new rates can be established.

EXHIBIT "D"

SCHEDULE OF PERFORMANCE

Refer to Exhibit "A" for Details

CITY OF CYPRESS

CITY COUNCIL REPORT

City Council Regular **13.**

FROM: Matt Burton, Director of Finance and Administrative Services

DATE: 08/26/2024

SUBJECT: **Receive and File the Investment Reports for the Months Ended June 30, 2024 and July 31, 2024.**

RECOMMENDATION

Receive and file the attached investment reports.

DISCUSSION

California Government Code Section 53607 and Cypress Municipal Code Section 2-18(f) requires the submission of a monthly investment report to the City Council. Due to the cancelation of two City Council meetings in July and August, two reports are being presented for the periods ending June 30, 2024 and July 31, 2024. As of June 30, 2024, the City had $198.4 million (current market value) in cash and investments and the interest return (yield) on the public funds investments was 4.55%. As of July 31, 2024, the City had $190.8 million (current market value) in cash and investments and the interest return (yield) on the public funds investments was 4.51%. As required by the Government Code, all investments are in conformity with the City's investment policy and sufficient cash flows are available to meet the next six months of estimated expenditures.

The attached Summary of Cash and Investments presents the investments held by the City of Cypress as of June 30, 2024 and July 31, 2024. The Investment Report consists of the following five summaries:

1. Summary of Cash and Investments - Provides the total portfolio of the City.
2. Changes in Cash and Investments - Provides a two-month cash flow analysis by fund type. These separate fund types allow for restricted monies to be segregated and tracked separately. The total ending amount agrees to the current market value shown in the Summary of Cash and Investments.
3. Investments at Market Value by Maturity Date - Provides a list of investments by maturity date, and an indication of the liquidity (ability to turn into cash) of the investments. The California Government Code restricts the type of investments eligible for public funds. The City’s Investment Policy further defines permitted investments. These restrictions on investment types and the terms of allowable investments tend to

result in limited yields on City investments.

4. Interfund Investments - Shows all authorized and outstanding loans between City funds. The loans from the Infrastructure Reserve Fund to the Cypress Recreation and Park District General Fund relate to the construction of Lexington Park and the rehabilitation of Arnold Cypress Park.
5. Summary of Cash and Investments Held In Trust - Shows the investments held in trust by the Public Agency Retirement Services (PARS) for offsetting unfunded pension liabilities. The pension trust amounts can only be used for future pension obligations. The legal restrictions on the allowable investment types are less restrictive than those in the City's portfolio, which provides the ability for the trust to invest in more diverse assets which have the potential to yield a higher long-term rate of return.

As mentioned previously, the City had $198.4 million and $190.8 million (current market value) in cash and investments on June 30, 2024 and July 31, 2024 respectively. The investments include Federal Agencies and US Treasuries Debt ($143.1 million at June 30 and $143.7 million at July 31) and Investment Pools ($53.8 million at June 30 and $44.8 million at July 31). The City's bank accounts held $1.5 million on June 30, 2024 and $2.3 million on July 31, 2024.

A portion of the investment portfolio is with the State Investment Pool (Local Agency Investment Fund or LAIF) in which the State's investment experts provide a diversified investment pool for local agencies to invest. By using the combined size of the participating cities and agencies, the State Pool provides a competitive yield, liquidity and investment diversification and management that would otherwise be unavailable to a single entity.

The amount of cash in the City’s checking accounts fluctuates based on the maturity of investments, daily cash receipts, and when vendors and employees are paid. The daily balances maintained in the checking accounts provide credits which offset monthly bank charges. In addition to the Federal Depository Insurance Corporation (FDIC) which insures the first $250,000, excess checking deposits are secured by banks, government, or mortgage securities valued between 110% and 150% of the deposits.

BUDGET IMPACT

None.

LEGAL REVIEW

None required.

APPROVED BY: Peter Grant, City Manager

Attachments

Investment Report for the Month Ended June 30, 2024

Investment Report for the Month Ended July 31, 2024

City of Cypress

Summary of Cash and Investments

As of June 30, 2024

	Type	Description	Bank/Agent	Investment Date	Maturity Date	Interest Rate	Carrying Value	Current Market Value (2)
(1)	Ckg	General Operating Account	BMO		7/1/2024	-	$ 1,465,397.02	$ 1,465,397.02
	Pool	Local Agency Investment Fund	State Treasurer		7/1/2024	4.480	28,000,000.00	27,896,849.18
	Pool	Local Agency Investment Fund	State Treasurer		7/1/2024	4.480	26,000,000.00	25,904,217.09
	FFCB	Federal Farm Credit Bank	BMO	2/21/2023	8/21/2024	4.875	10,000,000.00	9,990,600.00
	FFCB	Federal Farm Credit Bank	BMO	10/27/2022	10/17/2024	4.620	5,000,000.00	4,985,800.00
	FHLMC	Federal Home Loan Mortgage Corp	BMO	7/28/2022	12/30/2024	3.350	4,000,000.00	3,962,800.00
	FFCB	Federal Farm Credit Bank	BMO	1/10/2023	1/10/2025	4.310	3,005,400.00	2,988,090.00
	FHLMC	Federal Home Loan Mortgage Corp	BMO	1/30/2023	1/27/2025	5.000	10,000,000.00	9,986,800.00
	FHLB	Federal Home Loan Bank	BMO	5/27/2021	2/27/2025	0.660	3,000,000.00	2,909,940.00
	FFCB	Federal Farm Credit Bank	BMO	3/22/2021	3/17/2025	0.700	4,000,000.00	3,868,840.00
	FHLMC	Federal Home Loan Mortgage Corp	BMO	9/21/2022	3/31/2025	4.320	5,000,000.00	4,966,500.00
	FHLMC	Federal Home Loan Mortgage Corp	BMO	5/11/2023	5/9/2025	5.299	8,550,000.00	8,528,881.50
	FHLMC	Federal Home Loan Mortgage Corp	BMO	6/6/2023	6/6/2025	5.320	5,000,000.00	4,994,650.00
	FHLMC	Federal Home Loan Mortgage Corp	BMO	9/30/2022	9/30/2025	4.750	5,000,000.00	4,976,050.00
	FFCB	Federal Farm Credit Bank	BMO	1/13/2023	1/13/2026	4.000	2,000,000.00	1,972,120.00
	FFCB	Federal Farm Credit Bank	BMO	3/2/2023	3/2/2026	4.478	5,002,000.00	4,973,200.00
	FFCB	Federal Farm Credit Bank	BMO	9/29/2023	4/20/2026	5.000	4,988,459.27	5,004,050.00
	FFCB	Federal Farm Credit Bank	BMO	6/23/2023	6/23/2026	4.820	5,000,000.00	4,974,100.00
	FHLB	Federal Home Loan Bank	BMO	6/26/2023	6/26/2026	5.350	4,815,000.00	4,806,766.35
	FHLB	Federal Home Loan Bank	BMO	11/30/2023	11/17/2026	4.420	5,023,375.00	4,997,200.00
	FHLB	Federal Home Loan Bank	BMO	4/18/2024	4/16/2027	5.000	3,015,000.00	3,019,522.50
	FHLB	Federal Home Loan Bank	BMO	4/18/2024	7/23/2027	5.300	3,000,000.00	2,994,330.00
	FHLB	Federal Home Loan Bank	BMO	2/16/2024	8/13/2027	4.999	4,000,000.00	3,998,720.00
	FHLB	Federal Home Loan Bank	BMO	11/15/2023	11/15/2027	5.625	5,000,000.00	4,996,100.00
	FFCB	Federal Farm Credit Bank	BMO	12/6/2023	12/6/2027	5.380	5,000,000.00	4,953,050.00
	FFCB	Federal Farm Credit Bank	BMO	6/30/2023	6/30/2028	5.000	5,000,000.00	4,981,100.00
	FHLB	Federal Home Loan Bank	BMO	1/10/2024	1/3/2029	5.000	10,000,000.00	10,019,500.00
	FHLB	Federal Home Loan Bank	BMO	2/15/2024	2/12/2029	4.411	4,647,675.00	4,578,157.50
	FFCB	Federal Farm Credit Bank	BMO	4/18/2024	4/10/2029	4.375	4,935,200.00	5,000,400.00
	TSY	US Treasury Bill	BMO	6/24/2024	7/31/2028	4.288	4,969,531.25	4,948,400.00
	TSY	US Treasury Bill	BMO	6/24/2024	5/31/2029	4.241	4,671,093.75	4,646,450.00
	Ckg	Worker's Comp Account	BMO		7/1/2024	-	50,000.00	50,000.00
	Ckg	Liability Account	California Bank & Trust		7/1/2024	-	8,500.00	8,500.00
	Cash	Petty Cash	City		7/1/2024	-	8,350.00	8,350.00
							$ 199,154,981.29	$ 198,355,431.14

Average Weighted Yield to Maturity: 4.55%
Average Weighted Days to Maturity: 566.17

(1) Negative cash balance (if any) shown due to checks being issued at month end, transfer to cover checks not made until early in the following month.

(2) Current market value of securities with maturities in excess of 12 months (if any) are provided by third-party safekeeping agents.

I certify that this report reflects all Government Agency pooled investments and is in conformity with the Investment Policy of the City of Cypress. A copy of this Investment Policy is available on the City's website.
The Investment Program herein shown provides sufficient cash flow liquidity to meet six months estimated expenditures.

Signed: _____
Finance Director

City of Cypress

Changes in Cash/Investments

		4/30/2024	+RECEIPTS	(DISBURSEMENTS)	5/31/2024	+RECEIPTS	(DISBURSEMENTS)	6/30/2024
GENERAL								
111/114	GENERAL FUND/GENERAL FUND-GRANTS	$ 27,403,974	$ 6,259,445	$ (3,641,558)	$ 30,021,864	$ 2,948,613	$ (4,567,603)	$ 28,402,874
SPECIAL REVENUE								
115	PANDEMIC RELIEF	6,276	-	-	6,276	-	-	6,276
212	CRPD-GENERAL FUND	14,674,680	2,063,337	(2,196,314)	14,541,703	5,703,554	(5,333,360)	14,911,897
213	CRPD-PARK DEVELOPMENT	423,409	-	-	423,409	3,788	-	427,197
221	TRAFFIC SAFETY	44,589	5,962	-	50,551	3,468	-	54,019
230	STREETS	9,822,664	215,589	(83,633)	9,954,620	2,511,806	(1,015,007)	11,451,419
251	LIGHTING DISTRICT #2	6,427,485	90,420	(106,351)	6,411,554	74,524	(160,623)	6,325,455
261	STORM DRAIN	2,127,370	28,262	(69,387)	2,086,245	49,011	(13,812)	2,121,444
262	PLANNED LOCAL DRAINAGE FACILITY	1,105,976	-	-	1,105,976	9,894	-	1,115,870
271	CORP CNTR MAINT DISTRICT #1	224,857	-	(1,706)	223,151	-	(2,192)	220,959
280	ASSET SEIZURE	1,346,178	10,916	(10,480)	1,346,614	48,527	(6,820)	1,388,321
291	CABLE TV FRANCHISE AGREEMENT	813,834	15,954	-	829,788	-	-	829,788
301	SUPPLEMENTAL LAW ENFORCEMENT	100,814	488	(11,932)	89,370	810	(7,955)	82,225
321	SEWER FUND	8,783,396	126,750	(98,007)	8,812,139	211,278	(107,033)	8,916,384
471	LOW AND MODERATE HSG ASSET	14,236	798	(256)	14,778	774	-	15,552
CAPITAL PROJECTS								
415	CITY CAPITAL PROJECTS	15,671,208	-	(53,294)	15,617,914	-	(1,209,627)	14,408,287
416	INFRASTRUCTURE RESERVE	71,933,681	-	(1,560,491)	70,373,190	1,102,362	(5,005,693)	66,469,859
TRUST AND AGENCY								
600	TRUST AND AGENCY	1,594,481	146,541	(13,799)	1,727,223	244,251	(38,358)	1,933,116
611	BUSINESS ASSESSMENT DISTRICT	-	-	-	-	-	-	-
612	CFD #1 ASSESSMENT DISTRICT	153,575	-	-	153,575	-	-	153,575
620	REC & COMM SERVICES FOUNDATION	41,672	6,000	(280)	47,392	1,858	(1,715)	47,535
INTERNAL SERVICE								
710	CENTRAL SERVICES	3,931,615	234,457	(202,759)	3,963,313	240,821	(195,140)	4,008,994
720	CAPITAL REPLACEMENT	15,630,125	62,717	(4,783)	15,688,059	62,616	(193,369)	15,557,306
730	TECHNOLOGY IMPROVEMENT	2,273,110	-	-	2,273,110	-	-	2,273,110
750	EMPLOYEE BENEFITS	8,685,227	1,735,641	(2,586,786)	7,834,082	1,277,905	(2,359,935)	6,752,052
760	LIABILITY SELF INSURANCE	2,234,022	51,126	-	2,285,148	51,126	-	2,336,274
770	WORKERS COMP SELF INSURANCE	3,487,184	94,388	(32,189)	3,549,383	61,683	(37,046)	3,574,020
OTHER								
811/812	WESTCOMM JPA	5,002,299	123,783	(432,220)	4,693,862	164,533	(286,772)	4,571,623
		$ 203,957,937	$ 11,272,574	$ (11,106,225)	$ 204,124,289	$ 14,790,504	$ (20,559,362)	$ 198,355,431

City of Cypress

INVESTMENTS AT MARKET VALUE BY MATURITY DATE

As of June 30, 2024

Investments	1 day to 180 days	181 days to 1 year	1 year to 2 years	2 years to 3 years	3 years to 4 years	4 years to 5 years	Totals	Percent
CASH	$ 1,532,247	$ -	$ -	$ -	$ -	$ -	$ 1,532,247	0.77%
FFCB	14,976,400	6,856,930	16,923,470	-	4,953,050	9,981,500	53,691,350	27.07%
FHLB	-	2,909,940	4,806,766	8,016,723	11,989,150	14,597,658	42,320,236	21.34%
FHLMC	-	32,439,632	4,976,050	-	-	-	37,415,682	18.86%
STATE POOL	53,801,066	-	-	-	-	-	53,801,066	27.12%
TSY	-	-	-	-	-	9,594,850	9,594,850	4.84%

Totals	$ 70,309,713	$ 42,206,502	$ 26,706,286	$ 8,016,723	$ 16,942,200	$ 34,174,008	$ 198,355,431	100.00%
Percent	35.45%	21.28%	13.46%	4.04%	8.54%	17.23%	100.00%	

CITY OF CYPRESS
INTERFUND
INVESTMENTS

As of June 30, 2024

Note No.	Note Outstanding To	Note Outstanding From	Issue Date	Maturity Date	Interest Rate	Authorized Amount	Note Principal Outstanding *
1	CRPD	City	02/08/21	06/30/25	LAIF	$ 12,800,000	$ 4,236,608
2	CRPD	City	02/13/23	06/30/25	LAIF	$ 1,275,000	$ -
3	CRPD	City	11/13/23	TBD	2.00%	$ 33,500,000	$ 10,611,419
	Total Interfund Investments						$ 14,848,027

The City Infrastructure Reserve Fund issued a promissory note to the Cypress Recreation and Park District (CRPD) General Fund to pay up to $12.8 million for the construction of Lexington Park. Repayment by the CRPD will be made from future park develeopment fees. Construction is complete, with advances totaling $12,293,975. Repayments to date total $8,057,367.

The City Infrastructure Reserve Fund issued a promissory note to the CRPD General Fund to pay up to $1.275 million for design costs associated with the rehabilitation of Arnold Cypress Park. On June 30, 2024, full repayment of $874,206 plus $36,001 interest was made from additional Property Tax revenues resulting from the dissolution of the Successor Agency to the former Redevelopment Agency.

The City Infrastructure Reserve Fund issued a promissory note to the CRPD General Fund to pay up to $33.5 million for construction costs associated with the rehabilitation of Arnold Cypress Park. Repayment by the CRPD will be made from CRPD General Funds and future property taxes over the next 20 years. Advances to date total $10,611,419.

* Unaudited; amounts subject to change as part of finalizing the recording of actual FY 2023-24 transactions.

City of Cypress
Summary of Cash and Investments Held In Trust

As of June 30, 2024

Fund	Type	Issuer	Maturity Date	One Year Return *	Cost Amount	Current Market Value
PARS Public Agencies Post-Employment Benefits Trust						
Trustee: Public Agency Retirement Services (PARS)						
Section 115 Trust	Pension Trust	Various	Open	8.70%	$ 27,390,000.00	$ 31,931,565.43
			Total		$ 27,390,000.00	$ 31,931,565.43

* 12-month period ending with the current month.

City of Cypress

Summary of Cash and Investments

As of July 31, 2024

	Type	Description	Bank/Agent	Investment Date	Maturity Date	Interest Rate	Carrying Value	Current Market Value (2)
(1)	Ckg	General Operating Account	BMO		8/1/2024	-	$ 2,270,170.59	$ 2,270,170.59
	Pool	Local Agency Investment Fund	State Treasurer		8/1/2024	4.516	23,000,000.00	22,915,268.97
	Pool	Local Agency Investment Fund	State Treasurer		8/1/2024	4.516	22,000,000.00	21,918,952.92
	FFCB	Federal Farm Credit Bank	BMO	2/21/2023	8/21/2024	4.875	10,000,000.00	9,996,700.00
	FFCB	Federal Farm Credit Bank	BMO	10/27/2022	10/17/2024	4.620	5,000,000.00	4,991,100.00
	FHLMC	Federal Home Loan Mortgage Corp	BMO	7/28/2022	12/30/2024	3.350	4,000,000.00	3,969,640.00
	FFCB	Federal Farm Credit Bank	BMO	1/10/2023	1/10/2025	4.310	3,002,700.00	2,989,770.00
	FHLMC	Federal Home Loan Mortgage Corp	BMO	1/30/2023	1/27/2025	5.000	10,000,000.00	9,984,300.00
	FHLB	Federal Home Loan Bank	BMO	5/27/2021	2/27/2025	0.660	3,000,000.00	2,925,480.00
	FFCB	Federal Farm Credit Bank	BMO	3/22/2021	3/17/2025	0.700	4,000,000.00	3,892,080.00
	FHLMC	Federal Home Loan Mortgage Corp	BMO	9/21/2022	3/31/2025	4.320	5,000,000.00	4,973,800.00
	FHLMC	Federal Home Loan Mortgage Corp	BMO	5/11/2023	5/9/2025	5.299	8,550,000.00	8,533,071.00
	FHLMC	Federal Home Loan Mortgage Corp	BMO	6/6/2023	6/6/2025	5.320	5,000,000.00	4,999,950.00
	FHLMC	Federal Home Loan Mortgage Corp	BMO	9/30/2022	9/30/2025	4.750	5,000,000.00	4,971,800.00
	FFCB	Federal Farm Credit Bank	BMO	1/13/2023	1/13/2026	4.000	2,000,000.00	1,983,720.00
	FFCB	Federal Farm Credit Bank	BMO	3/2/2023	3/2/2026	4.478	5,002,000.00	5,001,350.00
	FFCB	Federal Farm Credit Bank	BMO	9/29/2023	4/20/2026	5.000	4,988,459.27	5,040,500.00
	FFCB	Federal Farm Credit Bank	BMO	6/23/2023	6/23/2026	4.820	5,000,000.00	4,987,250.00
	FHLB	Federal Home Loan Bank	BMO	6/26/2023	6/26/2026	5.350	4,815,000.00	4,812,785.10
	FHLB	Federal Home Loan Bank	BMO	11/30/2023	11/17/2026	4.420	5,023,375.00	5,046,750.00
	FHLB	Federal Home Loan Bank	BMO	4/18/2024	4/16/2027	5.000	3,015,000.00	3,030,135.30
	FHLB	Federal Home Loan Bank	BMO	4/18/2024	7/23/2027	5.300	3,000,000.00	3,003,960.00
	FHLB	Federal Home Loan Bank	BMO	2/16/2024	8/13/2027	4.999	4,000,000.00	4,000,520.00
	FHLB	Federal Home Loan Bank	BMO	11/15/2023	11/15/2027	5.625	5,000,000.00	5,001,700.00
	FFCB	Federal Farm Credit Bank	BMO	12/6/2023	12/6/2027	5.380	5,000,000.00	4,976,100.00
	FFCB	Federal Farm Credit Bank	BMO	6/30/2023	6/30/2028	5.000	5,000,000.00	5,003,200.00
	FHLB	Federal Home Loan Bank	BMO	1/10/2024	1/3/2029	5.000	10,000,000.00	10,002,600.00
	FHLB	Federal Home Loan Bank	BMO	2/15/2024	2/12/2029	4.411	4,647,675.00	4,641,025.50
	FFCB	Federal Farm Credit Bank	BMO	4/18/2024	4/10/2029	4.375	4,935,200.00	5,089,100.00
	TSY	US Treasury Bill	BMO	6/24/2024	7/31/2028	4.288	4,970,283.82	5,028,100.00
	TSY	US Treasury Bill	BMO	6/24/2024	5/31/2029	4.241	4,671,093.75	4,739,450.00
	Ckg	Worker's Comp Account	BMO		8/1/2024	-	50,000.00	50,000.00
	Ckg	Liability Account	California Bank & Trust		8/1/2024	-	8,500.00	8,500.00
	Cash	Petty Cash	City		8/1/2024	-	8,350.00	8,350.00
							$ 190,957,807.43	$ 190,787,179.38

Average Weighted Yield to Maturity: 4.51%
Average Weighted Days to Maturity: 567.13

(1) Negative cash balance (if any) shown due to checks being issued at month end, transfer to cover checks not made until early in the following month.

(2) Current market value of securities with maturities in excess of 12 months (if any) are provided by third-party safekeeping agents.

I certify that this report reflects all Government Agency pooled investments and is in conformity with the Investment Policy of the City of Cypress. A copy of this Investment Policy is available on the City's website.
The Investment Program herein shown provides sufficient cash flow liquidity to meet six months estimated expenditures.

Signed: _____
Finance Director

City of Cypress

Changes in Cash/Investments

		5/31/2024	+RECEIPTS	(DISBURSEMENTS)	6/30/2024	+RECEIPTS	(DISBURSEMENTS)	7/31/2024
GENERAL								
111/114	GENERAL FUND/GENERAL FUND-GRANTS	$ 30,021,864	$ 2,948,613	$ (4,567,603)	$ 28,402,874	$ 4,203,238	$ (3,026,674)	$ 29,579,438
SPECIAL REVENUE								
115	PANDEMIC RELIEF	6,276	-	-	6,276	-	-	6,276
212	CRPD-GENERAL FUND	14,541,703	5,703,554	(5,333,360)	14,911,897	201,058	(3,316,142)	11,796,813
213	CRPD-PARK DEVELOPMENT	423,409	3,788	-	427,197	-	-	427,197
221	TRAFFIC SAFETY	50,551	3,468	-	54,019	5,087	-	59,106
230	STREETS	9,954,620	2,511,806	(1,015,007)	11,451,419	416,637	(55,141)	11,812,915
251	LIGHTING DISTRICT #2	6,411,554	74,524	(160,623)	6,325,455	37,918	(119,199)	6,244,174
261	STORM DRAIN	2,086,245	49,011	(13,812)	2,121,444	32,190	(36,907)	2,116,727
262	PLANNED LOCAL DRAINAGE FACILITY	1,105,976	9,894	-	1,115,870	-	-	1,115,870
271	CORP CNTR MAINT DISTRICT #1	223,151	-	(2,192)	220,959	-	(16,793)	204,166
280	ASSET SEIZURE	1,346,614	48,527	(6,820)	1,388,321	19,775	(9,145)	1,398,951
291	CABLE TV FRANCHISE AGREEMENT	829,788	-	-	829,788	1,006	-	830,794
301	SUPPLEMENTAL LAW ENFORCEMENT	89,370	810	(7,955)	82,225	-	(4,072)	78,153
321	SEWER FUND	8,812,139	211,278	(107,033)	8,916,384	151,884	(30,645)	9,037,623
471	LOW AND MODERATE HSG ASSET	14,778	774	-	15,552	641	(413)	15,780
CAPITAL PROJECTS								
415	CITY CAPITAL PROJECTS	15,617,914	-	(1,209,627)	14,408,287	-	(196,408)	14,211,879
416	INFRASTRUCTURE RESERVE	70,373,190	1,102,362	(5,005,693)	66,469,859	-	-	66,469,859
TRUST AND AGENCY								
600	TRUST AND AGENCY	1,727,223	244,251	(38,358)	1,933,116	36,200	(47,585)	1,921,731
611	BUSINESS ASSESSMENT DISTRICT	-	-	-	-	-	-	-
612	CFD #1 ASSESSMENT DISTRICT	153,575	-	-	153,575	-	-	153,575
620	REC & COMM SERVICES FOUNDATION	47,392	1,858	(1,715)	47,535	425	-	47,960
INTERNAL SERVICE								
710	CENTRAL SERVICES	3,963,313	240,821	(195,140)	4,008,994	269,297	(320,918)	3,957,373
720	CAPITAL REPLACEMENT	15,688,059	62,616	(193,369)	15,557,306	62,262	(27,747)	15,591,821
730	TECHNOLOGY IMPROVEMENT	2,273,110	-	-	2,273,110	-	-	2,273,110
750	EMPLOYEE BENEFITS	7,834,082	1,277,905	(2,359,935)	6,752,052	1,273,794	(6,217,055)	1,808,791
760	LIABILITY SELF INSURANCE	2,285,148	51,126	-	2,336,274	55,266	(672,663)	1,718,877
770	WORKERS COMP SELF INSURANCE	3,549,383	61,683	(37,046)	3,574,020	63,997	(317,893)	3,320,124
OTHER								
811/812	WESTCOMM JPA	4,693,862	164,533	(286,772)	4,571,623	582,456	(565,982)	4,588,097
		$ 204,124,289	$ 14,790,504	$ (20,559,362)	$ 198,355,431	$ 7,413,131	$ (14,981,382)	$ 190,787,180

City of Cypress

INVESTMENTS AT MARKET VALUE BY MATURITY DATE

As of July 31, 2024

Investments	1 day to 180 days	181 days to 1 year	1 year to 2 years	2 years to 3 years	3 years to 4 years	4 years to 5 years	Totals	Percent
CASH	$ 2,337,021	$ -	$ -	$ -	$ -	$ -	$ 2,337,021	1.22%
FFCB	17,977,570	3,892,080	17,012,820	-	9,979,300	5,089,100	53,950,870	28.28%
FHLB	-	2,925,480	4,812,785	11,080,845	9,002,220	14,643,626	42,464,956	22.26%
FHLMC	13,953,940	18,506,821	4,971,800	-	-	-	37,432,561	19.62%
STATE POOL	44,834,222	-	-	-	-	-	44,834,222	23.50%
TSY	-	-	-	-	-	9,767,550	9,767,550	5.12%

Totals	$ 79,102,752	$ 25,324,381	$ 26,797,405	$ 11,080,845	$ 18,981,520	$ 29,500,276	$ 190,787,179	100.00%
Percent	41.46%	13.27%	14.05%	5.81%	9.95%	15.46%	100.00%	

CITY OF CYPRESS
INTERFUND INVESTMENTS

As of July 31, 2024

Note No.	Note Outstanding To	Note Outstanding From	Issue Date	Maturity Date	Interest Rate	Authorized Amount	Note Principal Outstanding *
1	CRPD	City	02/08/21	06/30/25	LAIF	$ 12,800,000	$ 4,236,608
2	CRPD	City	11/13/23	TBD	2.00%	$ 33,500,000	$ 10,611,419
	Total Interfund Investments						$ 14,848,027

The City Infrastructure Reserve Fund issued a promissory note to the Cypress Recreation and Park District (CRPD) General Fund to pay up to $12.8 million for the construction of Lexington Park. Repayment by the CRPD will be made from future park develeopment fees. Construction is complete, with advances totaling $12,293,975. Repayments to date total $8,057,367.

The City Infrastructure Reserve Fund issued a promissory note to the CRPD General Fund to pay up to $33.5 million for construction costs associated with the rehabilitation of Arnold Cypress Park. Repayment by the CRPD will be made from CRPD General Funds and future property taxes over the next 20 years. Advances to date total $10,611,419.

* Unaudited; amounts subject to change as part of finalizing the recording of actual FY 2023-24 transactions.

City of Cypress
Summary of Cash and Investments Held In Trust

As of July 31, 2024

Fund	Type	Issuer	Maturity Date	One Year Return *	Cost Amount	Current Market Value
PARS Public Agencies Post-Employment Benefits Trust						
Trustee: Public Agency Retirement Services (PARS)						
Section 115 Trust	Pension Trust	Various	Open	8.70%	$ 27,390,000.00	$ 32,820,997.77
			Total		$ 27,390,000.00	$ 32,820,997.77

* 12-month period ending with the current month.

CITY OF CYPRESS

CITY COUNCIL REPORT

City Council Regular **14.**

FROM: Matt Burton, Director of Finance and Administrative Services

DATE: 08/26/2024

SUBJECT: **Receive and File Register of Warrants, Transfers, and Wires Issued for the Period of June 8, 2024 through August 9, 2024**

RECOMMENDATION

Receive and file the attached payment register summarized below for the period of June 8, 2024 through August 9, 2024:

- Electronic Funds Transfers 15300 through 15546
- Warrants 65425 through 65865
- Payroll Transfers W1531 through W1535

DISCUSSION

Payments to vendors for goods and services received and/or rendered are initiated and approved by the requesting department in accordance with proper purchasing guidelines. Processing of these payments occurs centrally in the City's Finance Department with payments issued bi-weekly. A register listing of these payments is presented monthly to the City Council for approval. This register also includes any Electronic Funds Transfers (EFT), outgoing payroll transfers or wires issued since the previous register was presented to the City Council. Voided payments (if any) are also identified.

All payments are processed on the City's financial management software system. This system generates a payment batch register, sorted by warrant number (or EFT/Wire number), and presents the invoice amount and a description of the payment issued.

BUDGET IMPACT

Total warrants, transfers, and wires issued (net of any voided payments) during the period of June 8, 2024 through August 9, 2024 are $23,208,226.55.

LEGAL REVIEW

None required.

APPROVED BY: Peter Grant, City Manager

Attachments

Payment Register for the Period 06-08-24 through 08-09-24

City of Cypress
Payment Register
06/08/24 - 08/09/24

EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
15300	2432 - BITTON, DEKEL	$ 500.00			
			Refund/Recycling Deposit/4046 Brighton Circle	Rfd 6/21/24	$ 500.00
15301	2440 - BRIGHT OPS	$ 217.00			
			Refund/Plan Check Fees/BS-24-615	Rfd 6/21/24	$ 217.00
15302	2436 - BUMANGLAG, ARVIN	$ 1,700.50			
			Refund/Plan Check Fees/BS-24-195	Rfd 6/21/24	$ 1,700.50
15303	100505 - CITY OF CYPRESS-WORKERS COMP	$ 4,528.08			
			Workers Comp Claims/Professional Svcs/#27362-27421	Reimb 6/21/24	$ 4,528.08
15304	100505 - CITY OF CYPRESS-WORKERS COMP	$ 10,045.98			
			Workers Comp Claims/Medical/#27362-27421	Reimb(A) 6/21/24	$ 10,045.98
15305	100505 - CITY OF CYPRESS-WORKERS COMP	$ 10,633.84			
			Workers Comp Claims/Permanent Disability/#27362-27421	Reimb(B) 6/21/24	$ 10,633.84
15306	100505 - CITY OF CYPRESS-WORKERS COMP	$ 3,075.20			
			Workers Comp Claims/Temporary Disability/#27362-27421	Reimb(C) 6/21/24	$ 3,075.20
15307	2429 - COVINGTON, ALMA	$ 324.00			
			Refund/Corrected Fees/BS-23-901	Rfd 6/21/24	$ 324.00
15308	2433 - EDRY, BARUCH	$ 500.00			
			Refund/Recycling Deposit/CDD-24-58/5471 Cerritos Ave	Rfd 6/21/24	$ 500.00
15309	2438 - LORE, WILLIAM	$ 178.20			
			Refund/Duplicate Payment/BS-24-693	Rfd 6/21/24	$ 178.20
15310	2435 - MCMURTRY, DYLAN	$ 500.00			
			Refund/Recycling Deposit/CDD-24-130/11478 Madeira Street	Rfd 6/21/24	$ 500.00
15311	120801 - MISSION SQUARE - ICMA RETIREMENT TRUST - RHS	$ 13,550.00			
			Monthly Retiree Health Savings 6/24	6/24	$ 13,550.00
15312	120801 - MISSION SQUARE - ICMA RETIREMENT TRUST - RHS	$ 1,200.00			
			Deferred Comp/Exec Mgmt 6/24	401a-6/24	$ 1,200.00
15313	2422 - NISSAN, VERED	$ 594.00			
			Refund/Recycling Deposit/CDD-24-82/11559 Cozumel Street	Rfd 6/21/24	$ 594.00
15314	2431 - PICKETT, TERRA	$ 500.00			
			Refund/Recycling Deposit/CDD-24-97/5240 Cumberland Drive	Rfd 6/21/24	$ 500.00
15315	2431 - PICKETT, TERRA	$ 280.80			
			Refund/Plan Check Fees/BS-24-439	Rfd(A) 6/21/24	$ 280.80
15316	2431 - PICKETT, TERRA	$ 1,012.54			
			Refund/Building Permit Fees/BS-24-439	Rfd(B) 6/21/24	$ 1,012.54
15317	2430 - ROOF TOP PRO	$ 500.00			
			Refund/Recycling Deposit/CDD-24-96/10171 Esther Street	Rfd 6/21/24	$ 500.00
15318	2437 - ROTH, NICOLE	$ 27.00			
			Refund/Plan Check Fees/BS-24-607	Rfd 6/21/24	$ 27.00
15319	2434 - SMITH, GARY	$ 500.00			
			Refund/Recycling Deposit/CDD-24-93/5712 Belle Ave	Rfd 6/21/24	$ 500.00
15320	2444 - TENNAKOON, CHAMLI	$ 21.50			
			Refund/Corrected Fees/BS-24-350	Rfd 6/21/24	$ 21.50
15321	145 - AUSTIN, CHERYL	$ 56.52			
			W/C Retiree Health Care Benefits 7/24	7/24	$ 56.52
15322	128744 - AYRES, RICHARD	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15323	102038 - BALDWIN, DARRELL	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15324	102087 - BISH, EDWARD	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15325	100101 - BRUCE, THOMAS M	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15326	129695 - COTE, ROBERT	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00

City of Cypress
Payment Register
06/08/24 - 08/09/24

EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
15327	128938 - COX, RODNEY	$ 123.85			
			Retiree Health Care Benefits 7/24	7/24	$ 123.85
15328	104003 - ESSEX, CLARE	$ 465.85			
			Retiree Health Care Benefits 7/24	7/24	$ 465.85
15329	128044 - FORNISS, DANIEL	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15330	129816 - FOSTER, SCOTT	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15331	100667 - LASSALLE, ISMAEL	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15332	123656 - MANUEL, DEAN	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15333	129700 - MCSHANE, CHRIS	$ 232.96			
			Retiree Health Care Benefits 7/24	7/24	$ 232.96
15334	2017 - MINIKUS, SCOTT	$ 675.18			
			Reimb/Hotel/Meals/So CA Assoc of Government Conf 5/1-5/3	Reimb(A) 6/21/24	$ 366.65
			Reimb/Medical Premiums 7/24	7/24	$ 308.53
15335	128832 - MORALES, PAULO	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15336	122 - MORROW, RICHARD L	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15337	129501 - MOUNT, ERIC	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15338	129608 - OLSON, JAMES	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15339	128784 - RAMSEY, KENNETH	$ 125.00			
			Retiree Health Care Benefits 7/24	7/24	$ 125.00
15340	119027 - RAMSEY, STEVE	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15341	180 - SWIFT, JEFF	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15342	1024 - VALLEY VISTA SERVICES, INC	$ 231,080.50			
			Waste Disposal Fee 5/24	5/24	$ 231,080.50
15343	105121 - VIGIL, FELIX	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15344	129666 - WALQUIST, BRIAN	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15345	40 - WARLAND INVESTMENTS COMPANY	$ 37,500.00			
			Development Assistance 7/24	7/24	$ 37,500.00
15346	122756 - WINTERSOLE, MICHAEL	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15347	342 - WU, ALEX	$ 300.00			
			Retiree Health Care Benefits 7/24	7/24	$ 300.00
15348	2453 - BURLINE, WENDEL	$ 150.00			
			Refund/Permit #BS-24-872	Rfd 7/5/24	$ 150.00
15349	2246 - ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES, INC	$ 2,891.10			
			Refund/Business Recovery Program/BS-24-62	Rfd 7/5/24	$ 2,891.10
15350	116005 - PERS - PUBLIC EMPLOYEES RETIREMENT SYS	$ 184,803.44			
			Med Insurance/City & Dist 7/24	17575064	$ 184,803.44
15351	116005 - PERS - PUBLIC EMPLOYEES RETIREMENT SYS	$ 12,456.89			
			Med Insurance/West Comm 7/24	17575322	$ 12,456.89
15352	100505 - CITY OF CYPRESS-WORKERS COMP	$ 2,267.02			
			Workers Comp Claims/Professional Svcs/#27422-27474	Reimb 7/5/24	$ 2,267.02

City of Cypress
Payment Register
06/08/24 - 08/09/24

EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
15353	100505 - CITY OF CYPRESS-WORKERS COMP	$ 6,244.08	Workers Comp Claims/Medical/#27422-27474	Reimb(A) 7/5/24	$ 6,244.08
15354	100505 - CITY OF CYPRESS-WORKERS COMP	$ 5,316.92	Workers Comp Claims/Permanent Disability/#27422-27474	Reimb(B) 7/5/24	$ 5,316.92
15355	1608 - ALARM PROGRAM SYSTEMS, LLC	$ 2,607.12	PD Svc/Alarm Permit & False Alarm Collections 5/24	5/24	$ 2,607.12
15356	1247 - HINDERLITER, DE LLAMAS AND ASSOCIATES - HdL	$ 1,411.02	Svc/Business License Tax Admin 5/24	MAY24	$ 1,411.02
15357	130114 - USPS-HASLER - TMS ACCT #39991	$ 5,000.00	Postage 7/24	39991 7/2/24	$ 5,000.00
15358	128823 - PETTY CASH	$ 70.00	Fuel(13 Gls)/Task Force Vehicle/CW 7/11	53199	$ 70.00
15359	128823 - PETTY CASH	$ 8.21	PD Ribbons(6 Pks)/Red Ribbon Week 10/22	53404	$ 8.21
15360	128823 - PETTY CASH	$ 49.10	PD Fuel(9 Gls)/Task Force Vehicle/CM 3/5	53505	$ 49.10
15361	128823 - PETTY CASH	$ 25.82	PD Photos(4)/Perptual Plaques 3/19	53200	$ 25.82
15362	128823 - PETTY CASH	$ 11.53	PD Food/Senior Resource Fair 6/11	53406	$ 11.53
15363	128823 - PETTY CASH	$ 10.00	PD Svc/Dry Clean Tablecloth(1)/Open House 6/10	53407	$ 10.00
15364	128823 - PETTY CASH	$ 54.00	Svc/Dry Clean Tablecloths(9)/Community Center 4/18	53288	$ 54.00
15365	128823 - PETTY CASH	$ 160.00	Svc/Dry Clean Tablecloths(28)/Sr Center 4/9	53289	$ 160.00
15366	128823 - PETTY CASH	$ 162.00	Svc/Dry Clean Tablecloths(27)/Sr Center 4/29	53290	$ 162.00
15367	2170 - US BANK	$ 45.66	W/C Paper Towels(2,4K)	0781 6/10/24	$ 45.66
15368	2170 - US BANK	$ 8.70	W/C Sub/Business Analytics/Reporting Software 5/7-6/6	0781(A) 6/10/24	$ 8.70
15369	2170 - US BANK	$ 144.60	W/C Supplies/Cypress PD Open House 5/17	0781(B) 6/10/24	$ 144.60
15370	2170 - US BANK	$ (45.66)	W/C Credit/Paper Towels(2.4K) 5/23	0781(C) 6/10/24	$ (45.66)
15371	2170 - US BANK	$ 154.00	W/C Dispatch Headset(1)/CF 5/29	0781(D) 6/10/24	$ 154.00
15372	2170 - US BANK	$ 121.80	W/C Cable(1K Ft)/Dispatch 5/23	0781(E) 6/10/24	$ 121.80
15373	2170 - US BANK	$ 135.98	W/C Svc/Satellite TV 5/25-6/24	0781(F) 6/10/24	$ 135.98
15374	2170 - US BANK	$ 21.96	W/C Data Storage/Amazon Cloud 5/24	0781(G) 6/10/24	$ 21.96
15375	2170 - US BANK	$ 20.40	W/C Postage Stamps(30) 6/4	0781(H) 6/10/24	$ 20.40
15376	2170 - US BANK	$ 21.55	Supplies/Teen Program 5/17	1504 6/10/24	$ 21.55
15377	2170 - US BANK	$ 32.85	Supplies/Teen Program 5/17	1504(A) 6/10/24	$ 32.85
15378	2170 - US BANK	$ 52.72	Food/Playground/Kids Night Out 5/17	1504(B) 6/10/24	$ 52.72
15379	2170 - US BANK	$ 30.13	Food/Teen Night Out 5/17	1504(C) 6/10/24	$ 30.13

City of Cypress
Payment Register
06/08/24 - 08/09/24

EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
15380	2170 - US BANK	$ 6.98	Supplies/Playground 5/23	1504(D) 6/10/24	$ 6.98
15381	2170 - US BANK	$ 24.51	Supplies/Day Camp 5/28	1504(E) 6/10/24	$ 24.51
15382	2170 - US BANK	$ 37.81	Supplies/Day Camp 5/28	1504(F) 6/10/24	$ 37.81
15383	2170 - US BANK	$ 16.40	Supplies/Day Camp 5/28	1504(G) 6/10/24	$ 16.40
15384	2170 - US BANK	$ 18.60	Supplies/Day Camp 6/4	1504(H) 6/10/24	$ 18.60
15385	2170 - US BANK	$ 109.89	Supplies/Day Camp 6/5	1504(I) 6/10/24	$ 109.89
15386	2170 - US BANK	$ 342.72	Supplies/Playground 6/5	1504(J) 6/10/24	$ 342.72
15387	2170 - US BANK	$ 82.05	PD Pens(60) 5/13	2499 6/10/24	$ 82.05
15388	2170 - US BANK	$ 25.35	PD Acrylic Sign Holders(3) 5/13	2499(A) 6/10/24	$ 25.35
15389	2170 - US BANK	$ 10.79	PD Pens(12) 5/15	2499(B) 6/10/24	$ 10.79
15390	2170 - US BANK	$ 13.73	PD Phone Case(1)/Court Liaison 6/3	2499(C) 6/10/24	$ 13.73
15391	2170 - US BANK	$ 62.75	PD Sub/Business Analytics/Reporting Software 4/9-6-8	2499(D) 6/10/24	$ 62.75
15392	2170 - US BANK	$ 31.24	PD Safety Goggles(50)/CERT Training 6/15	2499(E) 6/10/24	$ 31.24
15393	2170 - US BANK	$ 24.75	PD Desk Organizer(1)/CR 6/10	2499(F) 6/10/24	$ 24.75
15394	2170 - US BANK	$ 123.90	PD Folding Hand Truck(1)/PACE 6/10	2499(G) 6/10/24	$ 123.90
15395	2170 - US BANK	$ 66.03	Plaque(1)/Business Appreciation 5/14	2518 6/10/24	$ 66.03
15396	2170 - US BANK	$ 492.50	Hotel/So CA Assoc of Government Conf/AV 5/1-5/2	2518(A) 6/10/24	$ 492.50
15397	2170 - US BANK	$ 32.30	Supplies/Housing Element Workshop 5/21	2518(B) 6/10/24	$ 32.30
15398	2170 - US BANK	$ 37.32	Food/Business Visitation Program Meeting 5/22	2518(C) 6/10/24	$ 37.32
15399	2170 - US BANK	$ 19.37	Supplies/Housing Element Workshop 5/30	2518(D) 6/10/24	$ 19.37
15400	2170 - US BANK	$ 150.00	Sub/Property Data/Code Enforcement & Planning 5/24	2818(E) 6/10/24	$ 150.00
15401	2170 - US BANK	$ 96.84	Supplies/2024 Service Awards 5/13	2873 6/10/24	$ 96.84
15402	2170 - US BANK	$ 22.80	Supplies/2024 Service Awards 5/13	2873(A) 6/10/24	$ 22.80
15403	2170 - US BANK	$ 80.17	Supplies/Gift Cards(5)/2024 Service Awards 5/14	2873(B) 6/10/24	$ 80.17
15404	2170 - US BANK	$ 145.28	Food/2024 Service Awards 5/14	2873(C) 6/10/24	$ 145.28
15405	2170 - US BANK	$ 50.55	Food/2024 Service Awards 5/14	2873(D) 6/10/24	$ 50.55
15406	2170 - US BANK	$ 68.64	2024 Service Award(1) 5/16	2873(E) 6/10/24	$ 68.64

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15407	2170 - US BANK	$ 1,094.74	Svc/Cater/2024 Service Awards 5/15	2873(G) 6/10/24	$ 1,094.74
15408	2170 - US BANK	$ 65.00	Svc/Bilingual Testing(1)/PD 6/6	2873(H) 6/10/24	$ 65.00
15409	2170 - US BANK	$ (183.51)	Credit/Supplies/2024 Service Awards 5/17	2873(F) 6/10/24	$ (183.51)
15410	2170 - US BANK	$ 33,378.73	Svc/Cloud-Based Phone System 5/11/24-5/10/25	3071 6/10/24	$ 33,378.73
15411	2170 - US BANK	$ 564.03	Phone Replacement(1) 10/12	3071(A) 6/10/24	$ 564.03
15412	2170 - US BANK	$ 84.37	RingCentral User License(1) 11/28/23-5/10/24	3071(B) 6/10/24	$ 84.37
15413	2170 - US BANK	$ (600.00)	Credit/Early Payment Incentive 5/14	3071(C) 6/10/24	$ (600.00)
15414	2170 - US BANK	$ (473.03)	Credit/Defective Phone Replacement(1) 9/27	3071(D) 6/10/24	$ (473.03)
15415	2170 - US BANK	$ (95.90)	Credit/Defective Phone Replacement(1) 9/27	3071(E) 6/10/24	$ (95.90)
15416	2170 - US BANK	$ 35.00	Reg/Rethinking Reserves Webinar/DM 6/27	3071(F) 6/10/24	$ 35.00
15417	2170 - US BANK	$ 340.84	PD Supplies/Firearms Maintenance 5/17	4142 6/10/24	$ 340.84
15418	2170 - US BANK	$ 25.71	PD Batteries(48)/Range Headsets 5/15	4142(A) 6/10/24	$ 25.71
15419	2170 - US BANK	$ 77.75	PD Supplies/Range 5/14	4142(B) 6/10/24	$ 77.75
15420	2170 - US BANK	$ 336.77	PD Supplies/Firearms Maintenance 6/3	4142(C) 6/10/24	$ 336.77
15421	2170 - US BANK	$ 40.93	PD K9 Training Tools(2)/Bono 5/17	4289 6/10/24	$ 40.93
15422	2170 - US BANK	$ 49.35	PD K9 Training Tools(2)/Bono 5/14	4289(A) 6/10/24	$ 49.35
15423	2170 - US BANK	$ 91.34	PD Dog Food(1 Bag)/Bono 5/15	4289(B) 6/10/24	$ 91.34
15424	2170 - US BANK	$ 87.86	PD Dog Food(1 Bag)/Bono 5/28	4289(C) 6/10/24	$ 87.86
15425	2170 - US BANK	$ 2.69	Decor/Sr Center Resource Fair 6/5	5178 6/10/24	$ 2.69
15426	2170 - US BANK	$ 40.41	Supplies/Sr Camp 6/5	5178(A) 6/10/24	$ 40.41
15427	2170 - US BANK	$ 158.96	Meals(8)/Board & Brew/Council Meeting 5/13	5530 6/10/24	$ 158.96
15428	2170 - US BANK	$ 50.00	Facebook Ad(1)/City Events 4/23	5530(A) 6/10/24	$ 50.00
15429	2170 - US BANK	$ 253.21	Meals(25)/Board & Brew/Citizens Academy 5/15	5530(B) 6/10/24	$ 253.21
15430	2170 - US BANK	$ 199.34	Condolence Flowers/Former Mayor Ana Piercy 5/15	5530(C) 6/10/24	$ 199.34
15431	2170 - US BANK	$ 21.45	Food/Welcome Back City Clerk 5/20	5530(D) 6/10/24	$ 21.45
15432	2170 - US BANK	$ 18.63	Facebook Ad(1)/City Events 5/23	5530(E) 6/10/24	$ 18.63
15433	2170 - US BANK	$ 2.83	Facebook Ad(1)/City Events 5/23	5530(F) 6/10/24	$ 2.83

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15434	2170 - US BANK	$ 40.00	Reg/Cypress Chamber Networking Breakfast/PG & MB 6/11	5530(G) 6/10/24	$ 40.00
15435	2170 - US BANK	$ 110.00	Sub/Mailchimp/Email Distribution/Admin 5/24	5530(H) 6/10/24	$ 110.00
15436	2170 - US BANK	$ 23.75	Food/Council Meeting 5/28	5530(I) 6/10/24	$ 23.75
15437	2170 - US BANK	$ 109.86	Meals(8)/Round Table/Council Meeting 5/28	5530(J) 6/10/24	$ 109.86
15438	2170 - US BANK	$ 665.00	Reg/Cypress Chamber Business Awards(7) 6/6	5530(K) 6/10/24	$ 665.00
15439	2170 - US BANK	$ 345.88	Meals(25)/Francos Italian/Citizens Academy 5/29	5530(L) 6/10/24	$ 345.88
15440	2170 - US BANK	$ 124.39	Svc/Cater/OCCMA Event/Reimbursed	5530(M) 6/10/24	$ 124.39
15441	2170 - US BANK	$ 1,323.00	Golf Fees/OCCMA Event/Reimbursed	5530(N) 6/10/24	$ 1,323.00
15442	2170 - US BANK	$ 50.00	Facebook Ads(3)/City Events 6/4	5530(O) 6/10/24	$ 50.00
15443	2170 - US BANK	$ 183.41	Supplies/OCCMA Event/Reimbursed	5530(P) 6/10/24	$ 183.41
15444	2170 - US BANK	$ 81.87	Hard Drives(2)/PD Server 5/20	5350 6/10/24	$ 81.87
15445	2170 - US BANK	$ 90.72	Display Cables(6)/IT 5/20	5350(A) 6/10/24	$ 90.72
15446	2170 - US BANK	$ 71.08	Computer Mount(1)/Zip Ties(800)/Surge Protector(1) 5/24	5350(B) 6/10/24	$ 71.08
15447	2170 - US BANK	$ (154.33)	Credit/Hard Drives(2) 5/22	5350(C) 6/10/24	$ (154.33)
15448	2170 - US BANK	$ 1.10	Svc/Mail Forwarding/PO Box Cancellation 6/5	5350(D) 6/10/24	$ 1.10
15449	2170 - US BANK	$ 102.74	Hard Drive(1)/PD DVD Computer 6/10	5350(E) 6/10/24	$ 102.74
15450	2170 - US BANK	$ 12.92	External Hard Drive Enclosure(1)/IT 6/10	5350(F) 6/10/24	$ 12.92
15451	2170 - US BANK	$ 500.04	Supplies/Election 5/30	6013 6/10/24	$ 500.04
15452	2170 - US BANK	$ 1,233.96	PD Hotel/Emergency Vehicle Operations Course/JP 5/12-5/18	6557 6/10/24	$ 1,233.96
15453	2170 - US BANK	$ 799.00	PD Reg/Special Event Safety Seminar/MM 12/3-12/5	6557(A) 6/10/24	$ 799.00
15454	2170 - US BANK	$ 1,044.00	PD Reg/First Aid-CPR(9) 6/3	6557(B) 6/10/24	$ 1,044.00
15455	2170 - US BANK	$ 449.00	PD Reg/CA Homicide Investigators Assoc Conf/SR 8/20-8/23	6557(C) 6/10/24	$ 449.00
15456	2170 - US BANK	$ 100.00	PD Reg/CA Homicide Investigators Wiretap Class/SR 8/20-8/23	6557(D) 6/10/24	$ 100.00
15457	2170 - US BANK	$ 549.00	PD Reg/CA Homicide Invest Assoc Conf/Wiretap Class/JH 8/20-8/23	6557(E) 6/10/24	$ 549.00
15458	2170 - US BANK	$ 549.00	PD Reg/CA Homicide Invest Assoc Conf/Wiretap Class/EC 8/20-8/23	6557(F) 6/10/24	$ 549.00
15459	2170 - US BANK	$ 549.00	PD Reg/CA Homicide Invest Assoc Conf/Wiretap Class/NG 8/20-8/23	6557(G) 6/10/24	$ 549.00
15460	2170 - US BANK	$ 250.00	PD Balloon Decor/Open House 5/21	6583 6/10/24	$ 250.00

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15461	2170 - US BANK	$ 8.00	Parking/Shade Hotel/Business Meeting 5/20	7052 6/10/24	$ 8.00
15462	2170 - US BANK	$ 11.29	Lunch Meeting(2)/PG & AM 5/22	7052(A) 6/10/24	$ 11.29
15463	2170 - US BANK	$ 31.22	Supplies/Salute to America 6/7	7072 6/10/24	$ 31.22
15464	2170 - US BANK	$ 60.52	Food/Teens/Youth Action Committee Banquet 5/10	7667 6/10/24	$ 60.52
15465	2170 - US BANK	$ 296.54	Volleyballs(12)/Youth Sports 5/24	7667(A) 6/10/24	$ 296.54
15466	2170 - US BANK	$ 4.00	Sub/OC Register Online/JD 5/27-6/26	7667(B) 6/10/24	$ 4.00
15467	2170 - US BANK	$ 203.32	Athletic Ball Bags(20)/Youth Sports 5/23	7667(C) 6/10/24	$ 203.32
15468	2170 - US BANK	$ 64.64	Magnetic Sweeper(1)/Pickleball Courts/Salute to America 6/11	7667(D) 6/10/24	$ 64.64
15469	2170 - US BANK	$ 1,330.56	PD Fingerprint Readers(18) 6/4	7727 6/10/24	$ 1,330.56
15470	2170 - US BANK	$ 44.20	Light Bulbs(5) 5/14	8731 6/10/24	$ 44.20
15471	2170 - US BANK	$ 125.00	Dues/Municipal Mgmt Assoc of So CA/JL 5/169/24-5/15/25	8764 6/10/24	$ 125.00
15472	2170 - US BANK	$ 150.00	Reg/Municipal Mgmt Assoc Leadership Summit/JL 5/23	8764(A) 6/10/24	$ 150.00
15473	2170 - US BANK	$ 1,330.56	PD Fingerprint Readers(18) 6/3	9075 6/10/24	$ 1,330.56
15474	2170 - US BANK	$ 600.30	Food/Youth Action Committee Banquet 5/11	9103 6/10/24	$ 600.30
15475	2170 - US BANK	$ 49.52	Beverage Dispenser(1)/Sr Commission Events 5/15	9213 6/10/24	$ 49.52
15476	2170 - US BANK	$ 122.67	Decor/Salute to America 6/3	9213(A) 6/10/24	$ 122.67
15477	2170 - US BANK	$ 70.03	Decor/Salute to America 6/1	9213(B) 6/10/24	$ 70.03
15478	2170 - US BANK	$ 82.12	Food/Inservice Summer Staff Training 5/30	9213(C) 6/10/24	$ 82.12
15479	2170 - US BANK	$ (232.56)	Credit/Desk Chairs(8)/Sr Center Computer Lab 6/1	9213(D) 6/10/24	$ (232.56)
15480	2170 - US BANK	$ 362.62	Food/Inservice Summer Staff Training 5/30	9213(E) 6/10/24	$ 362.62
15481	2170 - US BANK	$ 4.60	Microphone Windscreens(40)/Sr Center Lectern 6/3	9213(F) 6/10/24	$ 4.60
15482	2170 - US BANK	$ 98.30	Supplies/Concert on the Green 6/3	9213(G) 6/10/24	$ 98.30
15483	2170 - US BANK	$ 13.23	Supplies/Sr Camp 6/9	9213(H) 6/10/24	$ 13.23
15484	2170 - US BANK	$ 10.00	Svc/Box/Staff Document Review/Engineering 5/29-6/28	9399 6/10/24	$ 10.00
15485	2170 - US BANK	$ 1,260.00	Svc/Quickbase/Bldg/Public Works 6/4-7/4	9399(A) 6/10/24	$ 1,260.00
15486	2170 - US BANK	$ 128.00	PD Birth Records(4)/DR #24-00331 5/15	9844 6/10/24	$ 128.00
15487	2170 - US BANK	$ 202.28	PD Breakfast(80)/All Hands Staff Meeting 5/23	9844(A) 6/10/24	$ 202.28

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15488	2170 - US BANK	$ 161.58	PD Portable Chargers(5) 5/29	9844(B) 6/10/24	$ 161.58
15489	2170 - US BANK	$ 214.07	PD Memory Devices(50) 5/31	9844(C) 6/10/24	$ 214.07
15490	2170 - US BANK	$ 221.19	PD Memory Devices(50) 5/31	9844(D) 6/10/24	$ 221.19
15491	2456 - PEREZ, ANGIE	$ 71.00	Refund/Permit #BS-24-130	Rfd 7/19/24	$ 71.00
15492	100505 - CITY OF CYPRESS-WORKERS COMP	$ 44,798.75	Workers Comp Claims/Professional Svcs/#27475-27530	Reimb 7/19/24	$ 44,798.75
15493	100505 - CITY OF CYPRESS-WORKERS COMP	$ 15,960.24	Workers Comp Claims/Medical/#27475-27530	Reimb(A) 7/19/24	$ 15,960.24
15494	100505 - CITY OF CYPRESS-WORKERS COMP	$ 5,171.59	Workers Comp Claims/Permanent Disability/#27475-27530	Reimb(B) 7/19/24	$ 5,171.59
15495	120801 - MISSION SQUARE - ICMA RETIREMENT TRUST - RHS	$ 16,250.00	Monthly Retiree Health Savings 7/24	7/24	$ 16,250.00
15496	120801 - MISSION SQUARE - ICMA RETIREMENT TRUST - RHS	$ 1,200.00	Deferred Comp/Exec Mgmt 7/24	401a-7/24	$ 1,200.00
15497	1608 - ALARM PROGRAM SYSTEMS, LLC	$ 9,587.88	PD Svc/Alarm Permit & False Alarm Collections 6/24	6/24	$ 9,587.88
15498	1480 - ARCO BUSINESS SOLUTIONS	$ 16,030.14	Fuel/Police 6/3-7/2	NP66744530(E)	$ 16,030.14
15499	1480 - ARCO BUSINESS SOLUTIONS	$ 2,510.74	Fuel/Maint 6/3-7/2	NP66744530(C)	$ 2,510.74
15500	1480 - ARCO BUSINESS SOLUTIONS	$ 18.59	Fuel/Finance 6/3-7/2	NP66744530	$ 18.59
15501	1480 - ARCO BUSINESS SOLUTIONS	$ 28.81	Fuel/Engineering 6/3-7/2	NP66744530(B)	$ 28.81
15502	1480 - ARCO BUSINESS SOLUTIONS	$ 219.00	Fuel/Recreation 6/3-7/2	NP66744530(D)	$ 219.00
15503	1480 - ARCO BUSINESS SOLUTIONS	$ 65.90	Fuel/Community Development 6/3-7/2	NP66744530(A)	$ 65.90
15504	168 - CalPERS-Fiscal Services Division	$ 152,404.00	W/C Pre-Pay/Unfunded Accrued Liability/Classic 2024-25	Reimb(F) 7/30/24	$ 152,404.00
15505	168 - CalPERS-Fiscal Services Division	$ 538.00	W/C Pre-Pay/Unfunded Accrued Liability/PEPRA 2024-25	Reimb(G) 7/30/24	$ 538.00
15506	168 - CalPERS-Fiscal Services Division	$ 1,999,574.00	Pre-Pay/Unfunded Accrued Liability/City Misc Plan 2024-25	Reimb 7/30/24	$ 1,999,574.00
15507	168 - CalPERS-Fiscal Services Division	$ 2,928,520.00	Pre-Pay/Unfunded Accrued Liability/City Safety Plan 2024-25	Reimb(A) 7/30/24	$ 2,928,520.00
15508	168 - CalPERS-Fiscal Services Division	$ 344,900.00	Pre-Pay/Unfunded Accrued Liability/CRPD Misc Plan 2024-25	Reimb(B) 7/30/24	$ 344,900.00
15509	168 - CalPERS-Fiscal Services Division	$ 2,875.00	Pre-Pay/Unfunded Accrued Liability/City Misc Plan/PEPRA 2024-25	Reimb(C) 7/30/24	$ 2,875.00
15510	168 - CalPERS-Fiscal Services Division	$ 17,047.00	Pre-Pay/Unfunded Accrued Liability/City Sfty Plan/PEPRA 2024-25	Reimb(D) 7/30/24	$ 17,047.00
15511	168 - CalPERS-Fiscal Services Division	$ 459.00	Pre-Pay/Unfunded Accrued Liability/CRPD Misc Plan/PEPRA 2024-25	Reimb(E) 7/30/24	$ 459.00
15512	168 - CalPERS-Fiscal Services Division	$ 1,409.20	PD Classic Survivor Benefits FY 2023-24	Reissue 17582747	$ 1,409.20
15513	168 - CalPERS-Fiscal Services Division	$ 1,908.40	PD PEPRA Survivor Benefits FY 2023-24	Reissue 17581522	$ 1,908.40
15514	145 - AUSTIN, CHERYL	$ 56.52	W/C Retiree Health Care Benefits 8/24	8/24	$ 56.52

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15515	128744 - AYRES, RICHARD	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15516	102038 - BALDWIN, DARRELL	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15517	102087 - BISH, EDWARD	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15518	100101 - BRUCE, THOMAS M	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15519	129695 - COTE, ROBERT	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15520	128938 - COX, RODNEY	$ 123.85	Retiree Health Care Benefits 8/24	8/24	$ 123.85
15521	104003 - ESSEX, CLARE	$ 465.85	Retiree Health Care Benefits 8/24	8/24	$ 465.85
15522	128044 - FORNISS, DANIEL	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15523	129816 - FOSTER, SCOTT	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15524	100667 - LASSALLE, ISMAEL	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15525	123656 - MANUEL, DEAN	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15526	129700 - MCSHANE, CHRIS	$ 232.96	Retiree Health Care Benefits 8/24	8/24	$ 232.96
15527	2017 - MINIKUS, SCOTT	$ 308.53	Reimb/Medical Premiums 8/24	8/24	$ 308.53
15528	128832 - MORALES, PAULO	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15529	122 - MORROW, RICHARD L	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15530	129501 - MOUNT, ERIC	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15531	129608 - OLSON, JAMES	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15532	128784 - RAMSEY, KENNETH	$ 125.00	Retiree Health Care Benefits 8/24	8/24	$ 125.00
15533	119027 - RAMSEY, STEVE	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15534	180 - SWIFT, JEFF	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15535	1024 - VALLEY VISTA SERVICES, INC	$ 231,080.51	Waste Disposal Fee 6/24	6/24	$ 231,080.51
15536	105121 - VIGIL, FELIX	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15537	129666 - WALQUIST, BRIAN	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15538	40 - WARLAND INVESTMENTS COMPANY	$ 37,500.00	Development Assistance 8/24	8/24	$ 37,500.00
15539	122756 - WINTERSOLE, MICHAEL	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15540	342 - WU, ALEX	$ 300.00	Retiree Health Care Benefits 8/24	8/24	$ 300.00
15541	100505 - CITY OF CYPRESS-WORKERS COMP	$ 5,228.59	Workers Comp Claims/Professional Svcs/#27531-27562	Reimb 8/2/24	$ 5,228.59

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15542	100505 - CITY OF CYPRESS-WORKERS COMP	$ 2,285.28			
			Workers Comp Claims/Medical/#27531-27562	Reimb(A) 8/2/24	$ 2,285.28
15543	100505 - CITY OF CYPRESS-WORKERS COMP	$ 24,482.84			
			Workers Comp Claims/Permanent Disability/#27531-27562	Reimb(B) 8/2/24	$ 24,482.84
15544	116005 - PERS - PUBLIC EMPLOYEES RETIREMENT SYS	$ 184,256.61			
			Med Insurance/City & Dist 8/24	17612497	$ 184,256.61
15545	116005 - PERS - PUBLIC EMPLOYEES RETIREMENT SYS	$ 15,231.63			
			Med Insurance/West Comm 8/24	17612748	$ 15,231.63
15546	1247 - HINDERLITER, DE LLAMAS AND ASSOCIATES - HdL	$ 1,411.02			
			Svc/Business License Tax Admin 6/24	JUN24	$ 1,411.02
65425	1296 - EDCO CNG	$ 1,433.00			
			Natural Gas(376.72 Gls)/Sweepers(2) 1/1-1/15	01232024-6	$ 1,213.04
			Natural Gas(68.31 Gls)/Sewer Truck(1) 1/1-1/15	01232024-6(A)	$ 219.96
65426	1346 - A1 TEST ONLY & SMOG	$ 60.00			
			Svc/Smog Test/Unit #685	1024015 5/30/24	$ 60.00
65427	123456 - ADS CONSULTING GROUP INC	$ 62.50			
			Consult/Network 5/24	205790	$ 62.50
65428	1570 - ADVANTAGE COLOR GRAPHICS ADVANTAGE MAILING, LLC	$ 4,959.42			
			Svc/Print/City & Rec Newsletter 6/24	208830	$ 4,959.42
65429	1398 - AGI ACADEMY-ANCOM GROUP, INC	$ 86.45			
			Instruct/Computer Adventure 5/9-6/6	6/6/24	$ 86.45
65430	270 - AITHAL, DARSHINI	$ 460.20			
			Instruct/Chair Yoga 5/7-5/28	5/28/24	$ 354.90
			Instruct/Flow Yoga 5/6-5/27	5/27/24	$ 105.30
65431	105442 - ALL CITY MANAGEMENT SERVICE INC	$ 15,809.30			
			Crossing Guard Svcs(27 Hrs)/Orange & Grindlay 5/12-5/25	93723(A)	$ 650.43
			Crossing Guard Svcs(629.26 Hrs) 5/12-5/25	93723	$ 15,158.87
65432	1200 - ANNEALTA GROUP	$ 7,595.00			
			Consult/Planning/Commons Housing/Cypress Town Center 5/24	3230	$ 7,052.50
			Svc/Planning Project Management & Support Assistance 5/24	3231	$ 542.50
65433	1619 - ARDURRA GROUP, INC-ANDERSON PENNA PARTNERS	$ 20,593.45			
			Inspect/Arterial Street Rehab 4/24	149063	$ 72.50
			Inspect/Emergency Repairs/Sewer Line/Christopher/Myra 4/24	149568	$ 1,808.80
			Inspect/Emergency Repairs/Sewer Line/Christopher/Myra 5/24	149574	$ 896.80
			Inspect/Landscape Improvements/Cerritos Ave 3/24	148000	$ 4,291.50
			Inspect/Landscape Improvements/Cerritos Ave 4/24	149064	$ 1,925.75
			Inspect/Landscape Improvements/Cerritos Ave 5/24	150143	$ 3,069.25
			Inspect/Roof Replacement/Community Center 5/24	150144	$ 8,528.85
65434	110860 - AT&T	$ 824.23			
			Svc/Internet 5/24	217921467	$ 824.23
65435	110860 - AT&T	$ 4.43			
			2481347232-Admin Phone Svc 6/24	6/24	$ 4.43
65436	110860 - AT&T	$ 29.12			
			9391033695-Civic Center Phone Svc 5/24	5/24(I)	$ 29.12
65437	1232 - BANNER BANK	$ 15,488.11			
			Retention/RJ Noble/Street Resurfacing 5/24	2-5/24	$ 15,488.11
65438	1232 - BANNER BANK	$ 136,535.00			
			Retention/LA Engineering/AC Park Rehab 5/24	6-5/24	$ 136,535.00
65439	109327 - BEE REMOVERS - HONEYCOTT, INC	$ 140.00			
			Svc/Bee Removal 5/15	602342	$ 140.00
65440	1822 - BENEFITS COORDINATORS CORPORATION BCC	$ 9,922.78			
			Insurance/Life/LTD/STD/Optional 7/24	14752	$ 9,922.78
65441	1822 - BENEFITS COORDINATORS CORPORATION BCC	$ 2,772.68			
			Insurance/Dental & Vision/West Comm 6/24	B0DNDB	$ 1,008.95

EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
			Insurance/Vision Claims/City & Dist 5/24	B0DQ3N	$ 1,763.73
65442	1355 - BIG BELLY SOLAR, INC	$ 15,353.31			
			Lease/Smart Waste and Recycling System(1) 7/25/23-7/24/24	5000151	$ 3,207.39
			Lease/Smart Waste and Recycling Systems(6) 4/9/24-4/8/25	51127	$ 12,145.92
65443	2205 - BP FORD OF LONG BEACH	$ 105,552.58			
			Ford Dump Truck(1)/Maint 6/6	CF624116	$ 105,552.58
65444	1600 - BRIGHTVIEW LANDSCAPE SERVICES, INC	$ 32,801.90			
			Svc/Landscape/Citywide 6/24	8928098	$ 32,801.90
65445	103141 - CA FORENSIC PHLEBOTOMY, INC	$ 254.92			
			PD Blood/Alcohol Tests(2) 5/24	2591	$ 254.92
65446	1375 - CALIBER CONSTRUCTION	$ 6,020.00			
			Refund/Recycling Deposit/CDD-23-384/6200 Phyllis Dr	Rfd 6/21/24	$ 6,020.00
65447	2137 - CALIFORNIA SAFETY AGENCY RECON INDUSTRIES INC	$ 1,240.00			
			Svc/Restroom & Tennis Court Lockup 5/24	3604-162	$ 1,240.00
65448	111882 - CALIFORNIA YELLOW CAB CORP	$ 6,330.00			
			Sr Center/Nutrition Program 4/24	4503024	$ 2,010.00
			Taxi Vouchers/Sr Center 4/24	4501024	$ 4,320.00
65449	2425 - CAPTIVE AIRE SYSTEMS INC	$ 458.63			
			Exhaust Fan(1)/Oak Knoll Park Snack Shack 6/4	2298576	$ 458.63
65450	536 - CHARLAND, MATTHEW	$ 12.00			
			Meals/First Aid-CPR 6/3	Reimb 6/21/24	$ 12.00
65451	2090 - CHARTER COMMUNICATIONS HOLDINGS LLC SPECTRUM	$ 563.75			
			W/C Svc/Internet 5/24	218496501060124	$ 563.75
65452	2381 - CITYGREEN CONSULTING, LLC	$ 7,542.50			
			Consult/Solid Waste Program 4/1-5/31	1383-24-4	$ 7,542.50
65453	2035 - COMMUNICATIONS LAB BARRIOS & ASSOCIATES, LLC	$ 15,000.00			
			Svc/City Strategic Communication Support 5/25	2402-810	$ 10,000.00
			Svc/Recreation Strategic Communications Support 5/24	2402-809	$ 5,000.00
65454	1617 - CONTROL AIR ENTERPRISES LLC	$ 681.16			
			Repair/Exhaust Fan/Oak Knoll Park Snack Shack 5/16	3089879	$ 681.16
65455	1439 - CORODATA MEDIA STORAGE, INC	$ 154.76			
			Offsite Data Storage 5/24	DS1309034A	$ 154.76
65456	115003 - COUNTY OF ORANGE	$ 1,104.51			
			PD Svc/OC Automated Telecommunications System 5/24	SH68520	$ 1,104.51
65457	115003 - COUNTY OF ORANGE	$ 1,807.00			
			PD Svc/Automated Fingerprint Identification System 5/24	SH68559	$ 1,807.00
65458	1622 - DANIELS TIRE SERVICE, INC	$ 932.28			
			Vehicle Tires(7) 5/23	200505934	$ 932.28
65459	1296 - EDCO CNG	$ 2,686.51			
			Natural Gas(24.7 Gls)/Sewer Truck(1) 5/1-5/15	05292024-6(A)	$ 79.53
			Natural Gas(322.56 Gls)/Sweepers(2) 5/1-5/15	05292024-6	$ 1,038.64
			Natural Gas(37.9 Gls)/Sewer Truck(1) 5/16-5/31	06032024-6(A)	$ 122.17
			Natural Gas(449.12 Gls)/Sweepers(2) 5/16-5/31	06032024-6	$ 1,446.17
65460	2231 - ELYSIAN ARTS & EVENTS, LLC KIMBERLY DOWNEY ESMOND	$ 7,714.20			
			Instruction/Dance 4/2-5/30	5/30/24	$ 7,714.20
65461	1488 - ENTERPRISE HOLDINGS INC	$ 3,649.84			
			PD Rental Car(1) 3/21-4/19	36100861	$ 821.82
			PD Rental Car(1) 3/31-4/30	36100861(A)	$ 834.13
			PD Rental Car(1) 4/17-5/15	36100861(B)	$ 1,176.31
			PD Rental Car(1) 4/19-5/17	36100861(C)	$ 817.58
65462	104530 - EXPERIAN	$ 77.24			
			PD Credit Reports 5/24	424372	$ 77.24
65463	130353 - FLEETPRIDE	$ 46.47			
			Replace/Tubing/Unit #685	117257101	$ 46.47

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65464	798 - FORENSIC NURSE SPECIALISTS, INC	$ 1,200.00			
			PD Assault Exam(1)/DR #24-01228 5/14	5871	$ 1,200.00
65465	61 - FRANCHISE TAX BOARD	$ 643.50			
			Tax Withholding/PT 6/21/24	6/21/24	$ 643.50
65466	2006 - GHATTAS, NICHOLE	$ 12.00			
			Meals/First Aid-CPR 6/3	Reimb 6/21/24	$ 12.00
65467	2426 - GLORY DAYS SERVICES INC	$ 995.00			
			Photo Packages(140)/2024 Challenger Basketball League 6/27	33827	$ 995.00
65468	119018 - GOLDEN STATE WATER COMPANY	$ 53,646.97			
			Svc/Athletic Fields 5/24	5/24(E)	$ 504.68
			Svc/Civic Center 5/24	5/24(H)	$ 6,291.97
			Svc/Lexington Park 5/24	5/24(G)	$ 3,454.29
			Svc/Parks Landscaping 5/24	5/24(J)	$ 35,109.58
			Svc/Parkway Maint 5/24	5/24(K)	$ 5,557.15
			Svc/Sr Center 5/24	5/27(F)	$ 598.60
			Svc/Stanton Channel Berm 5/24	5/24(I)	$ 2,130.70
65469	977 - GRANT, PETER	$ 109.18			
			Reimb/Lunch Meeting(4)/PG & AV & Cypress Land(2) 5/15	Reimb 6/7/24	$ 109.18
65470	110049 - GREAT SCOTT TREE SERVICE INC	$ 19,143.75			
			Emergency Svc/Trim Tree(1) 5/29	53168	$ 230.00
			Svc/Remove Trees(11)/Nature Park 5/31	53203	$ 12,305.00
			Svc/Remove Trees(11)/Nature Park 6/3	53225	$ 2,070.00
			Svc/Trim Trees(2) 6/4	53229	$ 575.00
			Svc/Trim Trees(3) 6/10	53281	$ 1,000.00
			Svc/Trim Trees(42) 6/4	53230	$ 1,395.75
			Svc/Trim Trees(50) 6/5	53238	$ 1,568.00
65471	2283 - GREENFIELD LANDSCAPING & MAINT INC	$ 99,860.00			
			Install/Mulch(100 Tons)/Right of Way 2/24	L-3518(A)	$ 7,203.00
			Install/Mulch(100 Tons)/Right of Way 3/24	L-3552(A)	$ 7,203.00
			Install/Mulch(100 Tons)/Right of Way 4/24	L-3604(A)	$ 7,203.00
			Install/Mulch(100 Tons)/Right of Way 5/24	L-3680(A)	$ 7,203.00
			Svc/Landscape Maint/Right of Way 2/24	L-3518	$ 17,762.00
			Svc/Landscape Maint/Right of Way 3/24	L-3552	$ 17,762.00
			Svc/Landscape Maint/Right of Way 4/24	L-3604	$ 17,762.00
			Svc/Landscape Maint/Right of Way 5/24	L-3680	$ 17,762.00
65472	110815 - GRIFFIN STRUCTURES INC	$ 48,575.95			
			Construct Mgmt/Arnold Cypress Park Rehab 5/24	GSICACPR448-06	$ 48,575.95
65473	1464 - HANLEY CHESS ACADEMY	$ 828.75			
			Instruct/Chess 5/7-6/4	6/4/24	$ 828.75
65474	103008 - HARTZOG & CRABILL	$ 2,925.00			
			Consult/Traffic Plan Review & Signal Timing 5/24	24-0383	$ 900.00
			Svc/Monitor Traffic Signals 5/24	24-0382	$ 2,025.00
65475	1171 - HDL COREN & CONE	$ 3,556.25			
			Final/Svc/Property Tax Auditing 4/1/24-6/30/24	SIN038072	$ 3,556.25
65476	132 - HELM, STEVE-JUMP ACTION	$ 900.00			
			Rent/Bouncy Obstacle Courses(2)/Salute to America 6/28	62824	$ 900.00
65477	2397 - HORSEMEN INVESTIGATIONS	$ 1,895.00			
			PD Svc/Background Check(1) 4/22-6/5	1169670	$ 1,895.00
65478	102993 - ITERIS, INC	$ 12,693.50			
			Svc/Traffic Signal Timing Project 4/24	170069	$ 12,693.50

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65479	103024 - JHM & CARSON SUPPLY	$ 1,727.76			
			Battery Controllers(3)/Solenoid(2)/Misc 6/5	96272/3	$ 397.16
			Irrigation Diaphragms(4)/Basket Filter(1)/Misc 5/23	95911/3	$ 388.06
			Irrigation Fittings(103)/Teflon Tape(2)/Cement(1 Pt) 5/29	96044/3	$ 886.33
			Irrigation Pipe(10 Pcs)/Fittings(4) 6/11	96445/3	$ 56.21
65480	1607 - LEMMON, BRADLEY	$ 12.00			
			Meals/Drug Recognition Expert & Recertification 6/3	Reimb 6/21/24	$ 12.00
65481	2448 - LIZARRAGA, JACQUELINE	$ 65.12			
			Mileage/Municipal Mgmt Assoc of So CA Summit 5/23	Reimb 6/21/24	$ 65.12
65482	109290 - LONG BEACH BMW-RCA INVESTMENTS INC	$ 2,136.16			
			Repair/Tune Up/Motor Unit #661	49707	$ 2,136.16
65483	112017 - LOS ALTOS TROPHY CAL-LINE INVESTMENTS	$ 66.81			
			Gavels/Rec Commissioner(1)/Senior Commissioner(1) 6/3	95514	$ 66.81
65484	1202 - LOS ANGELES ENGINEERING INC	$ 2,594,165.00			
			Construct/Arnold Cypress Park Rehab 5/24	6-5/24	$ 2,594,165.00
65485	130198 - LOS ANGELES TRUCK CENTERS, LLC-LA FREIGHTLINER	$ 507.30			
			Repair/Air Conditioner/Unit #137	RA210056363:01	$ 507.30
65486	111271 - MAR-CO EQUIPMENT CO	$ 960.13			
			Sweeper Pressure Switch(1)/Disc(1)/Hub(1) 6/10	201754	$ 960.13
65487	1973 - MARINA LANDSCAPE, INC	$ 130,980.30			
			Construct/Frontage Road Improvements/Cerritos 3/24-5/24	152310-003	$ 130,980.30
65488	113056 - MCMASTER CARR SUPPLY CO	$ 73.60			
			Screws(50)/Lexington Park 6/6	28224651	$ 73.60
65489	914 - MCSHANE, CHRISTOPHER	$ 12.00			
			Meals/First Aid-CPR 6/3	Reimb 6/21/24	$ 12.00
65490	2407 - MDJ MANAGEMENT	$ 61,149.52			
			Consult/Picnic Shelter/Veterans Park 5/24	CYP1001.1	$ 61,149.52
65491	1483 - MERCADO, HENRY	$ 12.00			
			Meals/First Aid-CPR 6/3	Reimb 6/21/24	$ 12.00
65492	122124 - MIKE RAAHAUGE SHOOTING ENTERPRISES	$ 25.00			
			PD Svc/Shooting Range(1)/SWAT 5/9	1957	$ 25.00
65493	109269 - MILES, HILDA	$ 682.50			
			Instruct/Hula Dance 5/7-6/6	6/6/24	$ 682.50
65494	80 - MORRIS, LETICIA	$ 475.80			
			Instruct/Zumba 5/4-5/25	5/25/24	$ 304.20
			Instruct/Zumba Gold 5/2-5/30	5/30/24	$ 171.60
65495	122345 - MUSCO SPORTS LIGHTING LLC	$ 516,465.57			
			Final/Svc/Project Mgmt/Sports Field Lights Foundation	425701	$ 516,465.57
65496	129801 - MUTUAL LIQUID GAS & EQUIP	$ 30.00			
			Rent/Propane Tank 6/24	141103	$ 10.00
			Rent/Propane Tank 7/1-8/31	141103(A)	$ 20.00
65497	129724 - NAPA AUTO PARTS - SO CAL AUTO & TRUCK PARTS INC	$ 150.84			
			Vehicle Jump Starter(1) 6/4	461612	$ 150.84
65498	672 - O'REILLY AUTO PARTS	$ 66.37			
			Replace/Air Conditioner Fan/Unit #625	3078-487437	$ 66.37
65499	1574 - OLIVAS, CASSIE	$ 12.00			
			Meals/First Aid-CPR 6/3	Reimb 6/21/24	$ 12.00
65500	122725 - ORANGE COUNTY SANITATION DISTRICT	$ 8,179.15			
			Sewer Connect Fees 4/24	4/24	$ 8,179.15
65501	492 - PAUL'S CAR WASH & LUBE CENTER-FIRESTONE HAND WASH	$ 677.45			
			Svc/Car Wash/PD(57) 5/24	2171	$ 677.45
65502	364 - PAULUS ENGINEERING, INC	$ 84,125.72			
			Emergency Repair/Sewer Line/Christopher & Myra 4/24	23166	$ 45,787.16
			Emergency Repair/Sewer Line/Christopher & Myra 5/24	23203	$ 38,338.56

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65503	871 - PEREZ, DIANA	$ 103.35			
			Instruct/Toddler Workshop 5/22-6/5	6/5/24	$ 103.35
65504	2445 - PEREZ, JACQUELINE	$ 230.00			
			Reimb/Meals/Emergency Vehicle Operations Course 5/13-5/17	Reimb 6/21/24	$ 230.00
65505	1970 - PERFORMANCE PICKLEBALL, LLC	$ 507.00			
			Instruct/Pickleball 5/5-6/2	6/2/24	$ 507.00
65506	1310 - PRESTI, CAMERON	$ 12.00			
			Meals/First Aid-CPR 6/3	Reimb 6/21/24	$ 12.00
65507	1602 - R.E. SCHULTZ CONSTRUCTION, INC	$ 75,315.05			
			Final/Replace/Shade Structure/Eucalyptus Park 5/6-6/6	4868	$ 75,315.05
65508	580 - R.J. NOBLE COMPANY	$ 294,274.17			
			Construct/Residential Street Resurfacing 5/24	244587	$ 294,274.17
65509	2415 - RITE-WAY ROOF CORPORATION	$ 418,000.00			
			Construct/Roof Replacement/Community Center 5/24	1756	$ 418,000.00
65510	2237 - RODRIGUEZ, RAYMOND	$ 3,200.00			
			Perform/Music/Salute To America 6/28	42588	$ 3,200.00
65511	109096 - S.C. SIGNS & SUPPLIES, LLC	$ 2,312.86			
			Reflective Markers(40)/Posts(5) 5/14	247852	$ 980.53
			Special Sign(1) 5/28	248233	$ 202.57
			Street Signs(20) 5/28	248234	$ 650.27
			Street Signs(5) 5/28	248257	$ 479.49
65512	106893 - SAFESHRED	$ 40.00			
			W/C Svc/Shredding 5/7	351551	$ 40.00
65513	2443 - SHENKMAN & HUGHES PC	$ 835,000.00			
			Settlement Agreement/CVRA Challenge	6/21/24	$ 835,000.00
65514	939 - SKYHAWKS SPORTS ACADEMY, INC	$ 3,544.45			
			Instruct/Basketball 5/10-6/7	6/7/24	$ 1,837.55
			Instruct/Soccer 5/8-6/5	6/5/24	$ 1,706.90
65515	119051 - SMART & FINAL (REC & PARKS)	$ 301.85			
			Food/Playground/Kids Night Out 5/16	20005901 5/16/24	$ 39.13
			Food/Sr Center 5/1	20021401 5/1/24	$ 29.97
			Food/Sr Center 5/1	20021502 5/1/24	$ 35.98
			Food/Sr Center 5/1	20039901 5/1/24	$ 9.99
			Food/Youth Action Committee Banquet 5/10	20019101 5/10/24	$ 18.65
			Supplies/Playground 5/23	20013301 5/23/24	$ 37.14
			Supplies/Sr Center 5/1	200216014 5/1/24	$ 90.08
			Supply/Youth Action Committee Banquet 5/10	20019002 5/10/24	$ 40.91
65516	108459 - SMART & FINAL-POLICE ACCT	$ 471.16			
			PD Food/Open House 5/14	018101 5/14/24	$ 123.12
			PD Supplies/Breakdown 5/24	006301 5/24/24	$ 133.54
			PD Supplies/Breakdown 5/31	006702 5/31/24	$ 28.25
			PD Supplies/Breakroom 5/1	006101 5/1/24	$ 87.95
			PD Supplies/Breakroom 5/10	007501 5/10/24	$ 98.30
65517	119016 - SO CAL EDISON	$ 99,218.47			
			700351486618 Svc/Willow Park 5/24	5/24(B)	$ 404.49
			700370018870 - Svc/Traffic Signal 5/24	5/24(D)	$ 107.21
			700428641933 Svc/Mackay Park 5/24	5/24(C)	$ 118.88
			700564248438 Svc/Traffic Signals 5/24	5/24(E)	$ 3,015.18
			700710877173 - Svc/Lexington Park 6/24	6/24	$ 2,935.43
			Svc/Citywide 4/12-5/12	4/12/24-5/12/24	$ 92,637.28
65518	543 - SORVILLO, BRYAN	$ 7,924.25			
			Instruct/Group Tennis 5/6-6/7	6/7/24	$ 7,868.25
			Instruct/Private Tennis 5/24	5/24	$ 56.00

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65519	1591 - SOUTHERN CALIFORNIA NEWS GROUP	$ 3,042.17			
			Pub Notice/Cypress Recreation Services Budget FY 2024-25	0011669373	$ 604.65
			Pub Notice/Environmental Impact Report/5665 Plaza Dr	0011667051	$ 2,437.52
65520	1279 - SOUTHERN CALIFORNIA SHREDDING, INC	$ 65.00			
			PD Svc/Shredding 6/3	256144	$ 65.00
65521	125888 - SPARKLETTS	$ 97.28			
			Comm Center Bottled Water 5/24	4104724 5/24	$ 30.93
			Sr Center Bottled Water 5/24	4104716 5/24	$ 12.97
			W/C Bottled Water 5/24	4089647 5/24	$ 53.38
65522	122963 - STERICYCLE INC	$ 45.50			
			PD Med Waste Removal 6/24	8007233580	$ 45.50
65523	1330 - SUPERIOR PROPERTY SERVICES, INC-SUPERIOR GRAFFITI	$ 7,392.00			
			Svc/Graffiti Removal/Streets & Parks 5/24	18112	$ 7,392.00
65524	1137 - TAOIPU, PATRICK	$ 1,930.50			
			Instruct/Intermediate Hula 3/26-6/4	6/4/224	$ 1,930.50
65525	111309 - TAVERAS, RAFAEL	$ 12.00			
			Meals/First Aid-CPR 6/3	Reimb 6/21/24	$ 12.00
65526	2071 - THAT SOUND GUY DARREN KNOWLES	$ 1,600.00			
			Svc/Audio & Lighting/Salute to America 6/28	#81	$ 1,600.00
65527	851 - THE UPS STORE, #5882	$ 125.00			
			Svc/Fingerprints(1)/City 5/24	6/3/2024	$ 25.00
			Svc/Fingerprints(2)/Rec Volunteers 5/24	6/3/2024(B)	$ 50.00
			Svc/Fingerprints(2)/Recreation 5/24	6/3/2024(A)	$ 50.00
65528	1170 - TOM'S PLUMBING & DRAIN SERVICE CORP	$ 750.00			
			Svc/Hydro Jet Sewer Line/Oak Knoll Park Restrooms 5/17	62980	$ 750.00
65529	1994 - TRUTH BE TOLD POLYGRAPH, LLC YOLANDA GELLIS	$ 225.00			
			PD Svc/Polygraph(1) 5/24	CYPD-2024-05	$ 225.00
65530	2070 - TWIST AND SHOUT EVENTS, INC	$ 1,405.00			
			Svc/Air Brush Artist(4)/Salute to America 6/28	462710618945574	$ 1,405.00
65531	127207 - UNDERGROUND SVS ALERT OF SO CA	$ 109.75			
			Svc/DigAlert Tickets 5/24	520240215	$ 109.75
65532	100308 - UNITED MAINTENANCE SYSTEMS	$ 18,741.00			
			Svc/Enhanced Weekend Cleaning/PD 5/24	15771	$ 787.00
			Svc/Janitorial/Citywide 5/24	15772	$ 5,286.50
			Svc/Janitorial/Park & Rec Facilities 5/24	15774	$ 7,980.00
			Svc/Janitorial/Park Restrooms(8) 5/24	15773	$ 4,687.50
65533	1997 - VACCARO, FRANK WEST COAST OFFICIALS	$ 270.00			
			Officials(5 Games)/Youth Basketball 6/13 & 6/21	1612	$ 270.00
65534	1993 - WATANABE , BRYCE I	$ 1,429.35			
			Instruct/Karate 4/29-6/5	6/5/24	$ 1,429.35
65535	2399 - WAYNE PERRY, INC	$ 47,057.00			
			Svc/Recoat/PD Upper Deck Parking Lot 6/10	426800	$ 47,057.00
65536	1962 - WEX HEALTH INC	$ 86.25			
			Admin Fee/FSA 5/24	0001962975IN	$ 86.25
65537	423 - YORBA REGIONAL ANIMAL HOSPITAL	$ 1,079.35			
			PD Vet Svcs/Bono 5/22	5438691503	$ 1,079.35
65538	2273 - YOUNG REMBRANDTS NORTH ORANGE COUNTY BI DAN YU	$ 228.80			
			Instruct/Youth Drawing 5/4-6/8	6/8/24	$ 228.80

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EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
65539	1974 - YUNEX LLC	$ 10,870.24			
			Repair/Street Lights 11/23	5610001053	$ 3,930.24
			Repair/Street Lights 2/24	56100014640	$ 5,940.00
			Svc/Street Light Survey 1/24	90002121	$ 250.00
			Svc/Street Light Survey 3/24	90001914	$ 250.00
			Svc/Street Light Survey 4/24	90002022	$ 250.00
			Svc/Street Light Survey 5/24	90002191	$ 250.00
65540	0 - CARDENAS, AILEEN	$ 100.00			
			Refund/Facility Deposit/Contract #8918	Rfd 6/21/24	$ 100.00
65541	0 - FRUTO HUYNH, AILYNNE MAE	$ 2,471.00			
			Refund/Facility Deposit/Rental Fee/Contract #8890	Rfd 6/21/24	$ 2,471.00
65542	0 - KONISHI, RICHARD	$ 300.00			
			Refund/Facility Deposit/Contract #8894	Rfd 6/21/24	$ 300.00
65543	0 - LIVI, TAMA	$ 354.00			
			Refund/Facility Deposit/Rental Fee/Contract #8326	Rfd 6/21/24	$ 354.00
65544	0 - NGO, TU QUANG	$ 300.00			
			Refund/Facility Deposit/Contract #8603	Rfd 6/21/24	$ 300.00
65545	0 - TSAI, LISETTE	$ 54.00			
			Refund/Pee Wee Basketball 6/5-7/17	Rfd 6/21/24	$ 54.00
65546	0 - VUONG, PHAN	$ 500.00			
			Refund/Recycling Deposit/CDD-23-439/5253 Cumberland Dr	Rfd 6/21/24	$ 500.00
65547	1993 - WATANABE , BRYCE I	$ 1,958.45			
			Instruct/Karate 2/12-3/20	3/20/24	$ 1,958.45
65548	0 - SAOLE, EVANS	$ 1,690.54			
			Asset Seizure DR #24-00375	Rfd 7/1/24	$ 1,690.54
65549	100681 - ADVANCED ALARM & FIRE INC	$ 1,725.00			
			Svc/Alarm Panel Testing/City Hall 6/12	4601	$ 600.00
			Svc/Alarm Panel Testing/Sr Center 6/12	4600	$ 450.00
			Svc/Alarm Panel Testing/Sr Center 6/12	4602	$ 675.00
65550	270 - AITHAL, DARSHINI	$ 815.75			
			Instruct/Chair Yoga 6/4-6/25	6/25/24	$ 354.90
			Instruct/Flow Yoga 6/3-6/24	6/24/24	$ 152.10
			Instruct/Yoga 5/1-6/12	6/12/24	$ 308.75
65551	100723 - ALESHIRE & WYNDER, LLP	$ 41,321.02			
			Legal Svc/Citrus Square 5/24	87176(A)	$ 649.00
			Legal Svc/Code Enforcement 5/24	87175	$ 1,729.50
			Legal Svc/Engineering 5/24	87171	$ 944.00
			Legal Svc/Finance 5/24	87172	$ 291.50
			Legal Svc/General Admin 5/24	87167	$ 2,146.50
			Legal Svc/Housing 5/24	87176	$ 413.00
			Legal Svc/HR 5/24	87169	$ 3,923.50
			Legal Svc/Planning 5/24	87170	$ 2,004.00
			Legal Svc/Police 5/24	87174	$ 477.00
			Legal Svc/Recreation 5/24	87173	$ 159.00
			Litigation Svc/CVRA Challenge 5/24	87178	$ 2,242.00
			Litigation Svc/General Admin 5/24	87168	$ 2,140.00
			Litigation Svc/Ihrig 5/24	87180	$ 17,283.02
			Litigation Svc/Singh 5/24	87181	$ 2,255.00
			Litigation Svc/Sokmen 5/24	87177	$ 4,458.50
			Litigation Svc/Youngsma 5/24	87179	$ 205.50
65552	105442 - ALL CITY MANAGEMENT SERVICE INC	$ 9,374.14			
			Crossing Guard Svcs(389.13 Hrs) 5/26-6/8	94074	$ 9,374.14
65553	1403 - ALL STAR ELITE SPORTS	$ 1,011.84			
			Shirts/Youth(108)/Coaches(10)/Challenger Basketball 6/18	4316	$ 1,011.84

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65554	1619 - ARDURRA GROUP, INC-ANDERSON PENNA PARTNERS	$ 25,769.30			
			Final/Inspect/Roof Replacement/Community Center 6/24	150408	$ 3,007.25
			Inspect/Residential Street Resurfacing 5/24	150308	$ 19,874.05
			Inspect/Various Non-CIP Engineering Permits 5/24	150142	$ 2,888.00
65555	110860 - AT&T	$ 2,566.50			
			Cell Svc/Maint 6/24	6/24(A)	$ 56.26
			Cell Svc/PD 5/24	5/24(L)	$ 255.50
			Cell Svc/PD Body Wire 6/24	6/24(D)	$ 61.64
			PD Svc/Mobile Data 6/24	6/24(B)	$ 1,996.97
			Svc/Planning iPads 6/24	6/24(E)	$ 66.44
			Wireless Svc/Sewer Truck & Myra Pump Station #2 6/24	6/24(C)	$ 129.69
65556	110860 - AT&T	$ 2,847.98			
			9391033694-PW Phone Svc 5/24	5/24(J)	$ 155.55
			9391033696-PD Phone Svc 6/24	6/24(F)	$ 29.12
			9391033698-PW Phone Svc 5/24	5/24(K)	$ 29.12
			Phone Svc/Multi-Line 5/13-6/12	5/13/24-6/12/24	$ 2,634.19
65557	122652 - AVENU MUNISERVICES MUNISERVICES, LLC	$ 28,726.76			
			Credit/Svc/Sales and Use Tax QE 9/30/23	IN06-018057(A)	$ (26,463.80)
			Svc/Sales & Use Tax QE 12/31/24	INV06-018653	$ 615.63
			Svc/Sales & Use Tax QE 9/30/24	INV06-018057	$ 54,574.93
65558	2286 - AWARDS BY PAUL PINK CREATIONS INC	$ 452.55			
			PD PACE Medals(30) 6/13	56236	$ 452.55
65559	235 - AYSO REGION 154 CYPRESS	$ 300.00			
			Refund/Facility Deposit/Contract #7632	Rfd 7/5/24	$ 300.00
65560	1232 - BANNER BANK	$ 7,252.00			
			Retention/RJ Noble/Street Resurfacing 7/24	3/Final	$ 7,252.00
65561	109327 - BEE REMOVERS - HONEYCOTT, INC	$ 420.00			
			Svc/Bee Removal 5/4	602134	$ 140.00
			Svc/Bee Removal 6/6	602385	$ 140.00
			Svc/Bee Removal/Cedar Glen Park 5/24	602334	$ 140.00
65562	100623 - BIO-ACOUSTICAL CORP	$ 2,570.00			
			Hearting Tests(59) 5/28 & 5/30	24225	$ 2,570.00
65563	1600 - BRIGHTVIEW LANDSCAPE SERVICES, INC	$ 15,540.91			
			Svc/Landscape/Berm 3/24	8818304	$ 3,080.00
			Svc/Landscape/Berm 4/24	8852954	$ 3,080.00
			Svc/Landscape/Berm 5/24	8902638	$ 3,080.00
			Svc/Landscape/Berm 6/24	8944187	$ 3,080.00
			Svc/Weed Abatement/Baroldi Park 3/15	8899192	$ 3,220.91
65564	109108 - CALIFORNIA JPIA	$ 75,813.00			
			W/C Insurance/Liability 7/1/24-6/30/25	PRIM02355	$ 73,977.00
			W/C Insurance/Property 7/1/24-7/1/25	PROP02485	$ 1,836.00
65565	122980 - CALIFORNIA PEACE OFFCR ASSOC-CPOA	$ 1,040.00			
			PD Dues/CA Peace Officers Assoc/CR 7/1/24-6/30/25	7010	$ 155.00
			PD Dues/CA Peace Officers Assoc/ML 7/1/24-6/30/25	6909	$ 730.00
			PD Dues/CA Peace Officers Assoc/MT 7/1/24-6/30/25	7130	$ 155.00
65566	111882 - CALIFORNIA YELLOW CAB CORP	$ 6,930.00			
			Sr Center/Nutrition Program 5/24	5505024	$ 1,830.00
			Taxi Vouchers/Sr Center 5/24	5501024	$ 5,100.00
65567	123012 - CHARLES ABBOTT ASSOCIATES	$ 20,285.00			
			Svc/Fats,Oil & Grease/NPDES Inspection 4/24	67379	$ 12,442.50
			Svc/Fats,Oil & Grease/NPDES Inspection 5/24	67509	$ 6,525.00
			Svc/NPDES/Water Quality Mgmt Plan Reviews 5/24	67508	$ 1,317.50

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65568	2090 - CHARTER COMMUNICATIONS HOLDINGS LLC SPECTRUM	$ 1,734.91			
			Svc/Cable TV 6/10-7/9	0079111061024	$ 139.95
			Svc/Internet Access 6/15-7/14	0002117061724	$ 1,594.96
65569	111307 - CIPA-KISER & COMPANY	$ 1,107,862.00			
			Insurance Premiums 2024-25	1486	$ 1,107,862.00
65570	1617 - CONTROL AIR ENTERPRISES LLC	$ 608.66			
			Repair/Air Compressor/Community Center 6/19	3090496	$ 608.66
65571	115003 - COUNTY OF ORANGE	$ 4,594.00			
			Parking Violations 5/24	5/24	$ 4,594.00
65572	115003 - COUNTY OF ORANGE	$ 1,807.00			
			PD Svc/Automated Fingerprint Identification System 6/24	SH68642	$ 1,807.00
65573	115003 - COUNTY OF ORANGE	$ 347.50			
			W/C Repair/Dispatch Headset Plug 4/24	STTM002260	$ 347.50
65574	115003 - COUNTY OF ORANGE	$ 1,104.51			
			PD Svc/Automated Fingerprint Identification System 6/24	SH68612	$ 1,104.51
65575	115003 - COUNTY OF ORANGE	$ 15,917.10			
			Agreement/Animal Shelter 4/1/24-6/30/24	AC2490082	$ 15,917.10
65576	129969 - CROWN TROPHY COLOMRICAN, INC	$ 531.42			
			Trophies(30)/Medals(30)/Youth Basketball 6/14	17416	$ 531.42
65577	122050 - CYPRESS ART LEAGUE	$ 300.00			
			Refund/Facility Deposit/Contract #7552	Rfd 7/5/24	$ 300.00
65578	107980 - CYPRESS COLLEGE-NOCCCD	$ 1,500.00			
			Rent/Parking Lot & Room CYP #18/Salute to America 6/27-6/28	2038/EMS590262	$ 1,500.00
65579	112066 - CYPRESS COMMUNITY FESTIVAL ASSOC	$ 300.00			
			Refund/Facility Deposit/Contract #7729	Rfd 7/5/24	$ 300.00
65580	1475 - CYPRESS GIRLS SOFTBALL LEAGUE	$ 300.00			
			Refund/Facility Deposit/Contract #7807	Rfd 7/5/24	$ 300.00
65581	734 - CYPRESS YOUTH BASEBALL	$ 300.00			
			Refund/Facility Deposit/Contract #8163	2023-24	$ 300.00
65582	116854 - DATA TICKET INC-MSB	$ 1,482.28			
			Parking Citation Processing 5/24	166071	$ 1,482.28
65583	100707 - DEPT OF JUSTICE ACCT OFFICE CASHIER UNIT	$ 160.00			
			Svc/Fingerprints(1)/City 5/24	740162	$ 32.00
			Svc/Fingerprints(2)/PD 5/24	740162(B)	$ 64.00
			Svc/Fingerprints(2)/Recreation 5/24	740162(A)	$ 64.00
65584	2388 - ELITE AIR INC	$ 14,300.00			
			PD Replace/Cooling Tower Drive Shaft 6/26-6/27	21298	$ 14,300.00
65585	2185 - ENVIRO SAFETY PRODUCTS, PUBLIC SAFETY CENTER	$ 443.41			
			PD Exam Gloves(4K) 6/19	INV630342	$ 443.41
65586	2132 - FERGUSON ENTERPRISES LLC	$ 267.59			
			Toilet Handle(1)/Seats(3)/Misc 6/18	4403690	$ 267.59
65587	106030 - FRIENDS OF CYPRESS CULTURAL ARTS	$ 300.00			
			Refund/Facility Deposit/Contract #7541	Rfd 7/5/24	$ 300.00
65588	367 - FRIENDS OF CYPRESS RECREATION & PARKS	$ 300.00			
			Refund/Facility Deposit/Contract #7633	Rfd 7/5/24	$ 300.00
65589	1115 - FRONTIER	$ 61.12			
			7148996947 - Phone Svc/Sewers 7/24	7/24	$ 61.12
65590	119018 - GOLDEN STATE WATER COMPANY	$ 38,217.17			
			Svc/Athletic Fields 6/24	6/24(E)	$ 10,050.49
			Svc/Civic Center 5/24	5/24(Y)	$ 1,979.57
			Svc/Community Center 5/24	5/24(Z)	$ 43.26
			Svc/Maint Yard Landscaping 6/24	6/24(A)	$ 568.25
			Svc/Parks Landscaping 6/24	6/24	$ 4,602.30
			Svc/Parkway Maint 6/24	6/24(D)	$ 20,174.94

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			Svc/Sr Center 6/24	6/24(C)	$ 95.62
			Svc/Storm Drain 6/24	6/24(B)	$ 702.74
65591	107013 - GOLDEN WEST COLLEGE-ADMISSIONS RECORDS	$ 210.00			
			PD Facility Rental/Police Recruit Testing 7/16	2024-AAGWLB	$ 210.00
65592	110049 - GREAT SCOTT TREE SERVICE INC	$ 21,895.00			
			Svc/Tree Removal(1) 6/14	53319	$ 2,095.00
			Svc/Tree Removal(1) 6/17	53348	$ 1,150.00
			Svc/Trim Trees(195) 6/21	53385	$ 12,624.50
			Svc/Trim Trees(59) 6/20	53371	$ 6,025.50
65593	1019 - GROUNDSWELL OC HUMAN RELATIONS	$ 4,326.00			
			Dues/OC Human Relations Council 2024-25	10005	$ 4,326.00
65594	102993 - ITERIS, INC	$ 20,575.00			
			Consult/Citywide Traffic Signal Cabinet Assessment 5/24	170707	$ 5,670.00
			Design/Wireless Communications/Various Locations 5/24	170718	$ 14,905.00
65595	103024 - JHM & CARSON SUPPLY	$ 238.22			
			Brass Pipe(4 Pcs)/Galvanized Pipe(8 Pcs)/Misc 6/17	96620/3	$ 238.22
65596	2023 - KELLEY, JORDAN	$ 24.00			
			Meals/Leadership & Accountability 4/29-7/30	Reimb 7/5/24	$ 24.00
65597	2039 - KELLY SPICERS INC KELLY SPICER STORES	$ 105.54			
			Specialty Paper(2.5 Rms) 6/25	11653413	$ 105.54
65598	111167 - LEXIPOL LLC	$ 5,912.50			
			PD Training Manual Updates 6/1/24-5/31/25	INVLEX11234466	$ 5,912.50
65599	122069 - LIEBERT CASSIDY WHITMORE	$ 6,107.00			
			Legal Svc/HR Matter #CY020-00001 5/24	268395	$ 1,042.00
			Legal Svc/HR Matter #CY020-00043 5/24	269351	$ 5,065.00
65600	112017 - LOS ALTOS TROPHY CAL-LINE INVESTMENTS	$ 42.34			
			Name Badge(1)/Traffic Commissioner 6/20	95663	$ 16.16
			Name Badges/Rec Commissioner(1)/Sr Commissioner(1) 6/20	95664	$ 26.18
65601	933 - LSA ASSOCIATES, INC	$ 37,230.24			
			Consult/Mitigated Negative Declaration/5665 Plaza Dr 5/24	194253	$ 37,230.24
65602	109220 - MANHATTAN STITCHING CO, INC - BRENDAN SCREEN PRI	$ 930.96			
			Staff Polos(36)/Recreation 5/29	101840	$ 930.96
65603	111271 - MAR-CO EQUIPMENT CO	$ 320.53			
			Sweeper Water Hose(1) 6/20	201997	$ 320.53
65604	232 - MEDIEVAL TIMES	$ 2,573.75			
			Excursion(71)/Day Camp 7/24	37511809	$ 2,573.75
65605	109155 - MOTION PICTURE LICENSING CORP	$ 798.34			
			Motion Picture Licensing/Comm Center/Day Camp 7/14/24-7/13/25	504439631	$ 798.34
65606	946 - MOVIES BY KIDS-O.C., LLC	$ 1,235.00			
			Instruct/Minecraft Movies 6/17-6/21	6/21/24	$ 1,235.00
65607	672 - O'REILLY AUTO PARTS	$ 142.56			
			Replace/Battery/Unit #643	3078-489811	$ 142.56
65608	828 - PACIFIC RIM AUTOMATION INC	$ 937.50			
			Svc/Maint/Pump Station Monitoring System 6/15	10434	$ 937.50
65609	100870 - POSTMASTER -CYPRESS POST OFFICE	$ 3,500.00			
			Postage/City & Recreation Newsletter 8/24	7/5/24	$ 3,500.00
65610	2115 - POWERDMS, INC	$ 2,625.00			
			W/C Software Maint/Personnel Scheduling 8/1/24-7/31/25	INV52888	$ 2,625.00
65611	2236 - PROACTIVE WORK HEALTH SERVICES	$ 593.00			
			DOT Test(1) 5/24	15079_89682	$ 85.00
			Pre-Place Physical(2)/Dist 5/24	15079_8962(A)	$ 508.00
65612	580 - R.J. NOBLE COMPANY	$ 137,788.08			
			Final/Construct/Residential Street Resurfacing 6/24	245573	$ 137,788.08
65613	2415 - RITE-WAY ROOF CORPORATION	$ 7,261.78			

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			Final/Construct/Roof Replacement/Community Center 6/24	1757	$ 7,261.78
65614	1469 - ROTARY CLUB OF CYPRESS	$ 300.00			
			Refund/Facility Deposit/Contract #7430	Rfd 7/5/24	$ 300.00
65615	130231 - RSG, INC ROSENOW SPEVACEK GROUP INC	$ 4,525.00			
			Consult/Affordable Housing/Citrus Square 5/24	I011923	$ 4,525.00
65616	129917 - RUTAN & TUCKER	$ 6,033.69			
			Legal Svc/Land Use/LARC 4/24-5/24	995008	$ 50.00
			Legal Svc/Public Records Act Assistance 4/24-5/24	995009	$ 453.69
			Litigation Svc/Public Records Act/Fortis 4/24-5/24	995010	$ 5,530.00
65617	1033 - SAINT IRENAEUS CATHOLIC CHURCH	$ 300.00			
			Refund/Facility Deposit/Contract #7395	Rfd 7/5/24	$ 300.00
65618	2031 - SDI PRESENCE LLC	$ 1,350.00			
			W/C Svc/Monitor IT/CAD System 5/24	16097	$ 1,350.00
65619	1181 - SITE ONE LANDSCAPE SUPPLY, LLC	$ 3,100.36			
			Irrigation Valve Boxes(20)/Sprinklers(4)/Misc 6/12	142505383-001	$ 3,100.36
65620	939 - SKYHAWKS SPORTS ACADEMY, INC	$ 1,024.40			
			Instruct/Soccer Camp 6/17-6/21	6/21/24	$ 1,024.40
65621	165 - SKYLINE SAFETY & SUPPLY-PATRICIA SONTAG	$ 388.01			
			Traffic Paint(14 Cans)/Safety Vests(4) 6/12	8483	$ 388.01
65622	119016 - SO CAL EDISON	$ 27.64			
			700134894611 - Svc/Traffic Signal 6/24	6/24(A)	$ 27.64
65623	119017 - SO CAL GAS CO	$ 1,015.47			
			00840909006 Svc/Comm Center 6/24	6/24(C)	$ 87.10
			12600890003 Svc/Maint Yard 6/24	6/24(D)	$ 85.57
			13230923008 Svc/Storm Drain 6/24	6/24(B)	$ 18.85
			14011061398 Svc/Storm Drain 6/24	6/24(E)	$ 33.91
			16111070716 Svc/Storm Drain 6/24	6/24(F)	$ 38.46
			18690942000 Svc/Sr Center 6/24	6/24(A)	$ 275.13
			19530910009 Svc/City Hall 6/24	6/24	$ 476.45
65624	2427 - SOLUTIONZ INC RTS SOLUTIONZ INC	$ 700.00			
			Repair/Microphone Bluetooth Connection/Sr Center 5/3	441331	$ 700.00
65625	109186 - SOROPTIMIST INTERNATIONAL OF CYPRESS	$ 300.00			
			Refund/Facility Deposit/Contract #7672	Rfd 7/5/24	$ 300.00
65626	125888 - SPARKLETTS	$ 231.48			
			PD Bottled Water 5/24	4104648 5/24	$ 227.49
			Print Shop Bottled Water 5/24	4105217 5/24	$ 3.99
65627	2341 - STOP HUMAN TRAFFICKING NOW LLC	$ 345.00			
			PD Reg/Human Trafficking for Law Enforcement/NP & BR & JW 7/19	PD Reg 7/19/24	$ 345.00
65628	588 - THE COUNSELING TEAM INTERNATIONAL	$ 1,000.00			
			W/C Svc/Employee Counseling 6/24	INV100432	$ 1,000.00
65629	2241 - THE EMBLEM AUTHORITY EMBLEMS INC	$ 263.00			
			PD Uniform Patches(100)/Comm Emergency Response Team 6/12	45861	$ 263.00
65630	996 - THE EXECUTIVE CORP-THE EXECUTIVE ADVERTISING.COM	$ 301.96			
			PD Imprinted Cups(100)/PACE Program 6/10	127285	$ 301.96
65631	2385 - THE JAY PARTICLE LLC MAD SCIENCE	$ 4,743.70			
			Instruct/Nasa Jr Astronauts 6/17-6/21	6/21/24	$ 2,198.30
			Instruct/Science In Action 6/10-6/14	6/14/24	$ 2,545.40
65632	112084 - TRAINING INNOVATIONS INC	$ 800.00			
			PD Training Software Maint/TMS 7/1/24-6/30/25	24-031	$ 800.00
65633	2070 - TWIST AND SHOUT EVENTS, INC	$ 460.00			
			Svc/Face Painting(2)/Day Camp 6/14	6/14/24	$ 460.00
65634	1242 - UNIFORM DEPOT, INC-MR UNIFORM	$ 186.10			
			PD Honor Guard Uniform/HMercado	8148	$ 186.10

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EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
65635	129595 - VERIZON WIRELESS - CA	$ 69.12			
			Cell Svc/Rec 6/24	6/24	$ 69.12
65636	2193 - WEST GROVE VOLLEYBALL, LLC	$ 191.10			
			Instruct/Volleyball 6/2-6/23	6/23/24	$ 191.10
65637	1074 - WOMAN'S CLUB OF CYPRESS	$ 300.00			
			Refund/Facility Deposit/Contract #7579	Rfd 7/5/24	$ 300.00
65638	2273 - YOUNG REMBRANDTS NORTH ORANGE COUNTY BI DAN YU	$ 936.00			
			Instruct/Drawing 6/17-6/21	6/21/24	$ 936.00
65639	1974 - YUNEX LLC	$ 37,225.00			
			Repair/Street Lights 5/24	5610002308	$ 516.00
			Repairs/Traffic Signals 5/24	5610002320	$ 6,880.00
			Replace/Traffic Signal Batteries(64)/Katella & Valley View 5/24	90002242	$ 24,800.00
			Traffic Signal Maint 5/24	90002190	$ 5,029.00
65640	0 - CAZARES, NORA	$ 300.00			
			Refund/Facility Deposit/Contract #8195	Rfd 7/5/24	$ 300.00
65641	0 - CHAVEZ, MIA	$ 300.00			
			Refund/Facility Deposit/Contract #8735	Rfd 7/5/24	$ 300.00
65642	0 - CHEUNG, BRENAN	$ 1,000.00			
			Refund/Recycling Deposit/CDD-24-7/9321 Julie Beth St	Rfd 7/5/24	$ 1,000.00
65643	0 - COMMUNITY OF THE WORD	$ 300.00			
			Refund/Facility Deposit/Contract #8621	Rfd 7/5/24	$ 300.00
65644	0 - DERDZINSKI, NATALIIA	$ 131.00			
			Refund/Skyhawks Multi-Sport 6/24-8/12	Rfd 7/5/24	$ 131.00
65645	0 - FC PERMIER CYPRESS	$ 70.00			
			Refund/Rental & Light Fees/Contract #8703	Rfd 7/5/24	$ 70.00
65646	0 - KIM, JIN KOOK	$ 280.00			
			Refund/Rental & Light Fees/Contract #8843	Rfd 7/5/24	$ 280.00
65647	0 - LGBTQ CENTER OC	$ 354.00			
			Refund/Facility Deposit/Contract #8793	Rfd 7/5/24	$ 354.00
65648	0 - MIXON, LAKESIA	$ 300.00			
			Refund/Facility Deposit/Contract #8884	Rfd 7/5/24	$ 300.00
65649	0 - RYAN, SONDRA	$ 300.00			
			Refund/Facility Deposit/Contract #8922	Rfd 7/5/24	$ 300.00
65650	0 - SHAH-KOTHARY, DIPAL	$ 348.00			
			Refund/Kidz Love Soccer 6/22-8/3	Rfd 7/5/24	$ 348.00
65651	0 - WARD, MARIBEA	$ 500.00			
			Refund/Facility Deposit/Contract #8705	Rfd 7/5/24	$ 500.00
65652	115003 - COUNTY OF ORANGE	$ 4,101.25			
			Fee/Notice of Determination/Housing Element Implementation	7/10/24	$ 4,101.25
65653	115003 - COUNTY OF ORANGE	$ 4,101.25			
			Fee/Notice of Determination/Housing Element Implementation	7/10/24	$ 4,101.25
65654	115003 - COUNTY OF ORANGE	$ 4,101.25			
			Fee/Notice of Determination/Housing Element Implementation	7/10/24	$ 4,101.25
65655	106914 - ADMINSURE	$ 3,582.00			
			Workers Comp Claims Admin 7/24	17046	$ 3,582.00
65656	270 - AITHAL, DARSHINI	$ 1,194.05			
			Instruct/Youth Art 7/8-7/12	7/12/24	$ 1,194.05
65657	122455 - ALL AMERICAN SIGN CO, INC	$ 472.33			
			Update Banners(4)/National Night Out 6/28	55914	$ 290.66
			Update Banners(4)/Sake of the Green 6/28	55924	$ 181.67
65658	105442 - ALL CITY MANAGEMENT SERVICE INC	$ 1,806.75			
			Crossing Guard Services(75 Hrs) 6/9-6/22	94379	$ 1,806.75
65659	110117 - ALLIANT INSURANCE SVC	$ 2,437.00			
			W/C Crime Insurance 7/1/24-7/1/25	2708668	$ 2,437.00

City of Cypress
Payment Register
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EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
65660	111251 - ANIMAL FRIENDS PET HOTEL COMMUNITY VET HOSPITAL	$ 775.00			
			PD Svc/K9 Boarding/Bono 6/5-6/17	523401	$ 775.00
65661	1200 - ANNEALTA GROUP	$ 3,836.25			
			Consult/Planning/Commons Housing/Cypress Town Center 6/24	3261	$ 1,046.25
			Svc/Planning Project Management & Support Assistance 6/24	3260	$ 2,208.75
			Svc/Planning Project Manager/5665 Plaza Drive 6/24	3262	$ 581.25
65662	1619 - ARDURRA GROUP, INC-ANDERSON PENNA PARTNERS	$ 12,440.00			
			Inspect/Various Non-CIP Engineering Permits 6/24	151348	$ 10,640.00
			Svc/Administrative Assistance/Pavement Mgmt Relief Program 6/24	150941	$ 1,800.00
65663	110860 - AT&T	$ 2,145.22			
			Svc/Internet 6/24	000021939301	$ 824.23
			W/C Svc/Priority Radio Line 6/24	000021940459	$ 1,320.99
65664	110860 - AT&T	$ 4.43			
			2481347232-Admin Phone Svc 7/24	7/24	$ 4.43
65665	110860 - AT&T	$ 3,151.76			
			9391033694-PW Phone Svc 6/24	6/24(I)	$ 155.55
			9391033695-Civic Center Phone Svc 6/24	6/24(G)	$ 29.12
			9391033698-PW Phone Svc 6/24	6/24(J)	$ 29.38
			Phone Svc/Multi-Line 6/13-7/12	6/13/24-7/12/24	$ 2,937.71
65666	110860 - AT&T	$ 1.70			
			East Wing Fax Line 6/24	6/24(H)	$ 1.70
65667	122652 - AVENU MUNISERVICES MUNISERVICES, LLC	$ 750.00			
			Svc/Sales Tax Audit Report Service QE 3/31/24	INV06-019118	$ 750.00
65668	1232 - BANNER BANK	$ 124,589.30			
			Retention/LA Engineering/AC Park Rehab 6/24	7-6/24	$ 115,549.30
			Retention/LA Engineering/AC Park Rehab 6/24	7-Supp	$ 9,040.00
65669	1822 - BENEFITS COORDINATORS CORPORATION BCC	$ 9,928.78			
			Insurance/Life/LTD/STD/Optional 8/24	14908	$ 9,928.78
65670	1822 - BENEFITS COORDINATORS CORPORATION BCC	$ 13,737.27			
			Insurance/Dental & Vision/City & Dist 7/24	B0DQJ9	$ 9,547.05
			Insurance/Dental & Vision/West Comm 7/24	B0DXZY	$ 966.05
			Insurance/Vision Claims/City & West Comm 6/24	B0DZTW	$ 3,224.17
65671	261 - BMI	$ 435.00			
			Music License/Concerts on the Green 7/1/24-6/30/25	54172156	$ 435.00
65672	111259 - BON AIR, INC	$ 39,868.73			
			Retention/Construct/HVAC & Roof/Comm Center	5R	$ 39,868.73
65673	109247 - CA ASSOC OF CODE ENFORCEMENT OFFICERS	$ 100.00			
			Dues/CA Assoc of Code Enforcement Officers/HM 2024-25	300019845	$ 100.00
65674	103141 - CA FORENSIC PHLEBOTOMY, INC	$ 382.38			
			PD Blood/Alcohol Tests(3) 6/24	2615	$ 382.38
65675	122566 - CALIF ASSOC OF LOCAL ECONOMIC DEV - CALED	$ 800.00			
			Dues/CA Assoc for Local Economic Development/CW 2024-25	300004874	$ 800.00
65676	111328 - CALIFORNIA BUILDING STANDARDS COMMISSION	$ 461.41			
			Building Standards 4/24-6/24	4/24-6/24	$ 461.41
65677	722 - CALLYO 2009 CORP	$ 1,393.56			
			PD Svc/Body Wire 7/1/24-6/30/25	R19567	$ 1,393.56
65678	168 - CalPERS	$ 3,317.60			
			PD Classic Survivor Benefits FY 2023-24	17582747	$ 1,409.20
			PD PEPRA Survivor Benefits FY 2023-24	17581522	$ 1,908.40
65679	2118 - CASC ENGINEERING AND CONSULTING, INC	$ 11,398.00			
			Consult/Modernization & Integration/Business Park 5/24	0051427	$ 11,398.00
65680	2090 - CHARTER COMMUNICATIONS HOLDINGS LLC SPECTRUM	$ 2,886.57			
			W/C CAD/RMS Ethernet Connection 4/4-6/3	0026082040524	$ 1,594.96
			W/C CAD/RMS Ethernet Connection 6/4-7/3	0026082060524	$ 1,291.61

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EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
65681	2090 - CHARTER COMMUNICATIONS HOLDINGS LLC SPECTRUM	$ 139.95			
			Svc/Cable TV 7/10-8/9	79111071024	$ 139.95
65682	2090 - CHARTER COMMUNICATIONS HOLDINGS LLC SPECTRUM	$ 563.75			
			W/C Svc/Internet 6/24	218496501070124	$ 563.75
65683	2035 - COMMUNICATIONS LAB BARRIOS & ASSOCIATES, LLC	$ 5,000.00			
			Svc/Recreation Strategic Communication Support 6/24	2402-838	$ 5,000.00
65684	1439 - CORODATA MEDIA STORAGE, INC	$ 154.76			
			Offsite Data Storage 6/24	DS1309294	$ 154.76
65685	115003 - COUNTY OF ORANGE	$ 4,416.00			
			Parking Violations 6/24	6/24	$ 4,416.00
65686	115003 - COUNTY OF ORANGE	$ 8,047.16			
			Dues/LAFCO 2024-25	GA24250006	$ 8,047.16
65687	2457 - COVANTA ENERGY, LLC	$ 518.25			
			PD Svc/Drug Evidence Disposal 3/27	489868STANI	$ 518.25
65688	116854 - DATA TICKET INC-MSB	$ 1,082.04			
			Parking Citation Processing 6/24	167215	$ 1,082.04
65689	104010 - DEPT OF CONSERVATION-STATE OF CALIFORNIA	$ 2,463.88			
			Strong Motion 4/24-6/24	4/24-6/24	$ 2,463.88
65690	100707 - DEPT OF JUSTICE ACCT OFFICE CASHIER UNIT	$ 66.00			
			Svc/Fingerprints(1)/PD 6/24	747072	$ 66.00
65691	1488 - ENTERPRISE HOLDINGS INC	$ 2,922.00			
			PD Rental Car(1) 4/30-5/30	36355274	$ 919.65
			PD Rental Car(1) 5/15-6/13	36355274(B)	$ 1,180.53
			PD Rental Car(1) 5/17-6/16	36355274(A)	$ 821.82
65692	2185 - ENVIRO SAFETY PRODUCTS, PUBLIC SAFETY CENTER	$ 443.44			
			PD Exam Gloves(4K) 7/10	INV632521	$ 443.44
65693	104530 - EXPERIAN	$ 75.00			
			PD Credit Reports 6/24	427486	$ 75.00
65694	2377 - FAIRBANK, MASLIN, MAULLIN, METZ & ASSOC INC	$ 24,900.00			
			Svc/Resident Survey(405)/Housing Element Implementation 6/11-17	241853	$ 24,900.00
65695	107899 - FIREWORKS AND STAGE FX AMERICA	$ 12,500.00			
			Final/Fireworks Display/Salute to America 6/28	22191	$ 12,500.00
65696	2447 - FORMA DESIGN INC	$ 2,500.00			
			Svc/Update Exhibits/CTCC Specific Plan/Housing Element	13713	$ 2,500.00
65697	1115 - FRONTIER	$ 2,712.28			
			W/C Phone Svc/5624931036 7/24	7/24(B)	$ 78.22
			W/C Phone Svc/5627955413 7/24	7/24(A)	$ 2,634.06
65698	119018 - GOLDEN STATE WATER COMPANY	$ 26,212.23			
			Svc/Athletic Fields 7/24	7/24	$ 631.45
			Svc/Civic Center 6/24	6/24(I)	$ 6,279.12
			Svc/Lexington Park 6/24	6/24(F)	$ 388.53
			Svc/Parks Landscaping 6/24	6/24(G)	$ 10,077.57
			Svc/Parkway Maint 6/24	6/24(J)	$ 6,561.07
			Svc/Stanton Channel Berm 6/24	6/24(H)	$ 2,274.49
65699	119018 - GOLDEN STATE WATER COMPANY	$ 1,200.00			
			Deposit/Fire Hydrant Use/Willow Park Pond Repairs 7/29	Deposit 7/19/24	$ 1,200.00
65700	110815 - GRIFFIN STRUCTURES INC	$ 47,153.37			
			Construct Mgmt/Arnold Cypress Park Rehab 6/24	GSI-CACPR448-07	$ 47,153.37
65701	1464 - HANLEY CHESS ACADEMY	$ 2,429.05			
			Instruct/Chess 6/24-6/28	6/28/24	$ 1,082.25
			Instruct/Chess 7/1-7/5	7/5/24	$ 1,346.80
65702	103008 - HARTZOG & CRABILL	$ 1,653.75			
			Svc/Monitor Traffic Signals 6/24	24-0452	$ 1,653.75

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EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
65703	132 - HELM, STEVE-JUMP ACTION	$ 705.00			
			Rent/Bouncy Obstacle Course(1)/Day Camp 6/21	103	$ 705.00
65704	2459 - HENEHAN, COLLEEN	$ 12.00			
			W/C Meal/Suicide by Cop Training 7/23	Reimb 7/19/24	$ 12.00
65705	1826 - HID GLOBAL CORPORATION CROSSMATCH	$ 2,900.16			
			PD Software Maint/Fingerprint Readers 9/1/24-8/31/25	13502007943	$ 2,900.16
65706	2397 - HORSEMEN INVESTIGATIONS	$ 1,495.00			
			PD Svc/Background Check(1) 4/25-6/26	1170531	$ 1,495.00
65707	120000 - INSIGHT PUBLIC SECTOR	$ 1,072.64			
			PD Sub/Racial & Identity Profiling Act Reporting 1/24	1101150585	$ 230.16
			PD Sub/Racial & Identity Profiling Act Reporting 2/24	1101154978	$ 212.19
			PD Sub/Racial & Identity Profiling Act Reporting 3/24	1101167473	$ 219.70
			PD Sub/Racial & Identity Profiling Act Reporting 4/24	1101169468	$ 202.32
			PD Sub/Racial & Identity Profiling Act Reporting 5/24	1101172959	$ 208.27
65708	102993 - ITERIS, INC	$ 3,450.00			
			Svc/Maintain CCTV Network 6/24	171469	$ 3,450.00
65709	2417 - KIDZ TALENT ACADEMY LLC ANIYAH WILLIAMS	$ 748.80			
			Instruct/Gymnastics & Tumbling 6/10-7/1	7/1/24	$ 748.80
65710	125450 - KMBS USA INC KONICA MINOLTA	$ 4,685.68			
			Copier Maint/City Hall East Wing 3/1/24-5/31/24	294106139	$ 429.91
			Copier Maint/City Hall West Wing 3/1/24-5/31/24	294106135	$ 262.81
			Copier Maint/Citywide 6/24	9010007685	$ 1,115.35
			Copier Maint/Comm Center 3/1/24-5/31/24	294105938	$ 482.75
			Copier Maint/HR 3/1/24-5/31/24	294106125	$ 164.06
			Copier Maint/Maint Yard 3/1/24-5/31/24	294106141	$ 325.71
			Copier Maint/Police Admin 3/1/24-5/31/24	294106405	$ 304.59
			Copier Maint/Police Investigations 3/1/24-5/31/24	294106406	$ 237.98
			Copier Maint/Police Records 3/1/24-5/31/24	294106127	$ 105.85
			Copier Maint/Print Shop 3/1/24-5/31/24	9010005310	$ 635.61
			Copier Maint/Sr Center 3/1/24-5/31/24	294105665	$ 621.06
65711	2462 - LAW OFFICES OF RICHARD A JONES	$ 100,000.00			
			Settlement Agreement/Sokmen	7/19/24	$ 100,000.00
65712	1779 - LINSCOTT LAW & GREENSPAN ENGINEERS LG2WB	$ 63,434.00			
			Svc/Traffic Engineering 1/24	14394-00144	$ 7,080.00
			Svc/Traffic Engineering 2/24	14394-00146	$ 7,042.00
			Svc/Traffic Engineering 3/24	14394-00147	$ 12,912.00
			Svc/Traffic Engineering 4/24	14394-00148	$ 18,542.00
			Svc/Traffic Engineering 5/24	14394-00149	$ 17,858.00
65713	112017 - LOS ALTOS TROPHY CAL-LINE INVESTMENTS	$ 13.09			
			Name Badge(1)/Sr Citizens Commissioner 7/1	95729	$ 13.09
65714	1202 - LOS ANGELES ENGINEERING INC	$ 2,367,196.70			
			Construct/Arnold Cypress Park Rehab 6/24	7-6/24	$ 2,195,436.70
			Construct/Arnold Cypress Park Rehab 6/24	8-6/24	$ 171,760.00
65715	2407 - MDJ MANAGEMENT	$ 31,386.58			
			Construct/Picnic Shelter/Veterans Park 6/24	CYP1001.2	$ 31,386.58
65716	122124 - MIKE RAAHAUGE SHOOTING ENTERPRISES	$ 25.00			
			PD Svc/Shooting Range(1)/SWAT 6/20	1971	$ 25.00
65717	80 - MORRIS, LETICIA	$ 557.70			
			Instruct/Zumba 6/1-6/29	6/29/24	$ 417.30
			Instruct/Zumba Gold 6/6-6/27	6/27/24	$ 140.40
65718	122345 - MUSCO SPORTS LIGHTING LLC	$ 345,575.00			
			Replace/Sports Field Lighting/Oak Knoll Park 6/20	426389	$ 345,575.00
65719	2384 - NATIONAL DEMOGRAPHICS INC	$ 48,500.00			
			Consult/Establish Electoral Districts 6/24	1841	$ 48,500.00

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EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
65720	122610 - OC CHIEFS OF POLICE AND SHERIFF ASSOC	$ 500.00			
			PD Dues/OC Chiefs' of Police & Sheriffs' Assoc/ML 7/1/24-6/30/25	PD Dues 2024-25	$ 500.00
65721	108944 - OFFICE DEPOT	$ 464.06			
			Supplies/Citywide 6/24	7/19/24	$ 464.06
65722	1272 - PDQ.COM CORPORATION	$ 1,275.00			
			Software Maint/Inventory System Mgmt 7/9/24-7/9/25	PDQ-21359	$ 1,275.00
65723	1970 - PERFORMANCE PICKLEBALL, LLC	$ 1,612.00			
			Instruct/Pickleball 6/12-7/3	7/3/24	$ 1,287.00
			Instruct/Youth Pickleball 6/16-7/7	7/7/24	$ 325.00
65724	2390 - PREMIER UNIFORMS LLC	$ 2,588.13			
			PD Alterations/Honor Guard Uniforms(2) DA & HM	m16375	$ 432.00
			PD Alterations/Honor Guard Uniforms(2) DA & HM	m16376	$ 196.63
			PD Honor Guard Uniform/DAyres	m15643	$ 989.75
			PD Honor Guard Uniform/HMercado	m15644	$ 969.75
65725	1825 - PRISM PUBLIC RISK INNOVATION SOLUTIONS & MGMT	$ 1,400.70			
			EAP/City and West Comm(435) 7/24-9/24	25400007	$ 1,400.70
65726	2236 - PROACTIVE WORK HEALTH SERVICES	$ 170.00			
			Pre-Place Physical(1)/City 6/23	15079_83845	$ 135.00
			Pre-Place Physical(1)/City 7/23	15079_84279	$ 35.00
65727	2369 - RUSS BASSETT CORP	$ 39,438.56			
			W/C Svc/Install Dispatch Console 6/24	82920	$ 39,438.56
65728	106893 - SAFESHRED	$ 40.00			
			W/C Svc/Shredding 6/4	352409	$ 40.00
65729	2449 - SANCHEZ, JOSE OC GROOVE	$ 2,000.00			
			Perform/Music/Concert on the Green 7/19	July 19, 2024	$ 2,000.00
65730	109303 - SANCON TECHNOLOGIES, INC	$ 3,128.75			
			Retention/Construct/Sewer System Improvements	28497	$ 3,128.75
65731	119051 - SMART & FINAL (REC & PARKS)	$ 1,015.59			
			Food/Day Camp 6/10	20017701 6/10/24	$ 62.01
			Food/Day Camp 6/17	20032401 6/17/24	$ 33.44
			Food/Day Camp 6/21	20022001 6/21/24	$ 68.92
			Food/Day Camp 6/25	20017502 6/25/24	$ 46.41
			Food/Day Camp 6/28	20002002 6/28/24	$ 16.15
			Food/Sr Center 6/11	20027302A 6/11	$ 86.94
			Food/Sr Center 6/27	20023701 6/27/24	$ 14.99
			Food/Staff/Salute to America 6/26	20002501 6/26/24	$ 216.99
			Food/Staff/Salute to America 6/26	20010801 6/26/24	$ 17.98
			Food/Staff/Salute to America 6/26	20010901 6/26/24	$ 136.71
			Food/Youth Sports 6/26	20010601 6/26/24	$ 6.00
			Food/Youth Sports Camp 6/10	20017901 6/10/24	$ 3.29
			Supplies/Day Camp 6/10	20018001 6/10/24	$ 11.09
			Supplies/Day Camp 6/17	20032101 6/17/24	$ 39.30
			Supplies/Day Camp 6/17	20032301 6/17/24	$ 150.42
			Supplies/Playground 6/17	20032201 6/17/24	$ 25.30
			Supplies/Playground 6/28	20002201 6/28/24	$ 16.15
			Supplies/Sr Center 6/11	20027302 6/11/24	$ 5.37
			Supplies/Staff/Salute to America 6/26	20010702 6/26/24	$ 58.13
65732	108459 - SMART & FINAL-POLICE ACCT	$ 508.90			
			PD Supplies/Break Room 6/21	007101 6/21/24	$ 94.51
			PD Supplies/CERT Academy 6/19	001401 6/19/24	$ 113.52
			PD Supplies/CERT Academy 6/3	023502 6/3/24	$ 283.88
			PD Water Bottles(60)/Special Olympics Torch Run 6/3	023402 6/3/24	$ 16.99
65733	119138 - SO CAL ASSOC OF GOVERNMENTS - SCAG	$ 7,036.00			
			Dues/So CA Assoc of Governments 2024-25	Dues 2024-25	$ 7,036.00

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EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
65734	119016 - SO CAL EDISON	$ 110,972.05			
			700351486618 Svc/Willow Park 6/24	6/24(B)	$ 518.70
			700370018870 - Svc/Traffic Signal 6/24	6/24(C)	$ 102.38
			700428641933 Svc/Mackay Park 6/24	6/24(D)	$ 127.80
			Svc/Citywide 5/13-6/11	5/13/24-6/11/24	$ 110,223.17
65735	2088 - SO CAL INDUSTRIES	$ 8,721.39			
			Rent/Portable Restrooms(22)/Fencing(1.9K)/Salute to America 6/28	697523	$ 8,721.39
65736	543 - SORVILLO, BRYAN	$ 5,523.00			
			Instruct/Group Tennis 6/10-7/5	7/5/24	$ 5,187.00
			Instruct/Private Tennis 6/24	6/24	$ 336.00
65737	1591 - SOUTHERN CALIFORNIA NEWS GROUP	$ 4,156.48			
			Pub Notice/Bids/Orange Ave Rehab/Proj #315	0011675283	$ 2,109.70
			Pub Notice/Resolution #6959/Landscape Maint Dist #1	0011673797	$ 2,046.78
65738	125888 - SPARKLETTS	$ 106.76			
			Community Center Bottled Water 6/24	4104724 6/24	$ 48.89
			W/C Bottled Water 6/24	4089647	$ 57.87
65739	116238 - STAPLES BUSINESS ADVANTAGE	$ 1,052.66			
			Supplies/Citywide 6/24	7/19/24	$ 1,052.66
65740	119024 - STATE COMP INSURANCE FUND	$ 1,931.17			
			W/C Workers Comp Insurance Adjustment 5/30/24-5/30/25	1002391180	$ 1,931.17
65741	2330 - STROCK, JAMIE	$ 732.36			
			W/C Tuition/Intro to Admin of Justice/Spring 2024	Tuit 7/19/24	$ 732.36
65742	2378 - TEAMCIVX, LLC	$ 42,344.47			
			Svc/Education & Outreach/Housing Element/Ballot Measure 5/24	3086	$ 42,344.47
65743	2071 - THAT SOUND GUY DARREN KNOWLES	$ 1,600.00			
			Svc/Audio & Lighting/Concert on the Green 7/19	79	$ 1,600.00
65744	2385 - THE JAY PARTICLE LLC MAD SCIENCE	$ 1,501.50			
			Instruct/Crazy Chemworks 7/1-7/3	7/3/24	$ 1,501.50
65745	2070 - TWIST AND SHOUT EVENTS, INC	$ 460.00			
			Svc/Balloon Twisters/Day Camp 7/12	462710618945726	$ 460.00
65746	2393 - VERSATERM PUBLIC SAFETY US, INC - CI TECHNOLOGY	$ 1,391.15			
			PD Software Maint/IA Pro 7/1/24-6/30/25	INV37-00875	$ 1,391.15
65747	1992 - VOORHEES, RONDA	$ 715.00			
			Instruct/Piano 6/12-7/3	7/3/24	$ 715.00
65748	1962 - WEX HEALTH INC	$ 86.25			
			Admin Fee/FSA 6/24	0001980339IN	$ 86.25
65749	2458 - YERGLER, BROOKE	$ 25.53			
			W/C Meal & Mileage/Suicide by Cop Training 7/23	Reimb 7/19/24	$ 25.53
65750	0 - BUTCHER, DEBORAH	$ 10.00			
			Refund/Citation #CP483158	Rfd 7/19/24	$ 10.00
65751	0 - CYPRESS SENIOR CITIZENS CLUB	$ 300.00			
			Refund/Facility Deposit/Contract #7682	Rfd 7/19/24	$ 300.00
65752	0 - CYPRESS SUNSHINE CLUB	$ 300.00			
			Refund/Facility Deposit/Contract #8114	Rfd 7/19/24	$ 300.00
65753	0 - GARIBALDO, ANDREW	$ 100.00			
			Refund/Facility Deposit/Contract #9043	Rfd 7/19/24	$ 100.00
65754	0 - HUNTER, DAVID	$ 300.00			
			Refund/Facility Deposit/Contract #8740	Rfd 7/19/24	$ 300.00
65755	0 - KHAMIS, NAJWA	$ 40.00			
			Refund/Citation #CP481057	Rfd 7/19/24	$ 40.00
65756	0 - LAU, WON SAHN	$ 300.00			
			Refund/Facility Deposit/Contract #8684	Rfd 7/19/24	$ 300.00
65757	0 - SIEVERS, RAQUEL	$ 500.00			
			Refund/Facility Deposit/Contract #7799	Rfd 7/19/24	$ 500.00

EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
65758	2090 - CHARTER COMMUNICATIONS HOLDINGS LLC SPECTRUM	$ 148.90			
			Reissue Ck #65681	Reissue 7/19/24	$ 148.90
65759	0 - POYNTER, MICHAEL	$ 300.00			
			Refund/Facility Deposit/Contract #7641	Rfd 9/15/23	$ 300.00
65760	945 - 4ALL PROMOS, LLC	$ 436.40			
			PD Imprinted Backpacks(250)/Community Promotions 7/15	1534549	$ 436.40
65761	106914 - ADMINSURE	$ 3,582.00			
			Workers Comp Claims Admin 8/24	17125	$ 3,582.00
65762	100681 - ADVANCED ALARM & FIRE INC	$ 1,670.00			
			Repair/Smoke Alarm/Sr Center 6/19	4617	$ 425.00
			Svc/Monitor Alarms/Civic Center/Sr Center/Comm Center 7/24-9/24	894408	$ 1,245.00
65763	270 - AITHAL, DARSHINI	$ 1,194.05			
			Instruct/Youth Art 7/15-7/19	7/19/24	$ 1,194.05
65764	130335 - AKM CONSULTING ENGINEERS	$ 26,931.50			
			Design/Sewer System Mgmt Plan 4/24	0012803	$ 8,776.00
			Design/Sewer System Mgmt Plan 6/24	0012907	$ 9,743.50
			Svc/Pump Station Evaluation/Myra Ave & Veterans Park 3/24	0012788	$ 8,412.00
65765	102203 - AMERICAN SOCIETY OF COMPOSERS-ASCAP	$ 434.00			
			Music License/Concerts on the Green 8/15/24-8/14/25	2024-25	$ 434.00
65766	110860 - AT&T	$ 3,016.65			
			Cell Svc/Maint 7/24	7/24(E)	$ 55.21
			Cell Svc/PD 6/24	6/24(K)	$ 274.53
			Cell Svc/PD 7/24	7/24(C)	$ 274.65
			PD CIB Callyo Body Wire 7/24	7/24(F)	$ 61.83
			PD Svc/Mobile Data 7/24	7/24(H)	$ 1,993.34
			Svc/Engineering Mobile Hotspots 6/24	6/24(L)	$ 80.48
			Svc/Engineering Mobile Hotspots 7/24	7/24(B)	$ 80.48
			Svc/Planning iPads 7/24	7/24(D)	$ 66.44
			Wireless Svc/Sewer Truck & Myra Pump Station #2 7/24	7/24(G)	$ 129.69
65767	110860 - AT&T	$ 29.87			
			9391033696-PD Phone Svc 7/24	7/24(A)	$ 29.87
65768	122652 - AVENU MUNISERVICES MUNISERVICES, LLC	$ 353.63			
			Svc/Tax Audit QE 3/31/24	INV06-019209	$ 353.63
65769	1061 - AYRES, DIANA	$ 12.00			
			Meals/First Aid/CPR 7/2	Reimb 8/2/24	$ 12.00
65770	109327 - BEE REMOVERS - HONEYCOTT, INC	$ 140.00			
			Svc/Bee Removal/Pinewood Park 5/30	602365	$ 140.00
65771	1822 - BENEFITS COORDINATORS CORPORATION BCC	$ 10,420.70			
			Insurance/Dental & Vision/City & Dist 8/24	B0F67G	$ 9,454.65
			Insurance/Dental & Vision/West Comm 8/24	B0F6MF	$ 966.05
65772	2371 - BIONERDS	$ 951.60			
			Instruct/Biology Camp 7/19	7/19/24	$ 951.60
65773	166 - BLUE RIBBON TROPHY-LASERWERKS	$ 178.91			
			Retirement Plaque(1)/MC 7/22	45309	$ 178.91
65774	2205 - BP FORD OF LONG BEACH	$ 338.69			
			Throttle Bodies(2) 6/10	215058FOW	$ 338.69
65775	1600 - BRIGHTVIEW LANDSCAPE SERVICES, INC	$ 14,261.48			
			Svc/Landscape/Lexington Park 5/24	8937508	$ 6,831.76
			Svc/Landscape/Lexington Park 6/24	8985297	$ 6,831.76
			Svc/Seasonal Fertilization/Lexington Park 5/24	8937508(A)	$ 298.98
			Svc/Seasonal Fertilization/Lexington Park 6/24	8985297(A)	$ 298.98
65776	2421 - CAL-STATE SITE SERVICES CS TRANSIT LEASING, INC	$ 4,742.35			
			Install/Temporary Fencing/Lexington Park 6/11	276640	$ 4,742.35
65777	1405 - CALIFORNIA CITY MANAGEMENT FOUNDATION-CCMF	$ 400.00			

EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
			Dues/CA City Mgmt Foundation/PG 9/1/24-8/31/25	10048	$ 400.00
65778	103197 - CALIFORNIA PARK & REC SOCIETY - CPRS	$ 150.00			
			Dues/CA Park & Rec Society/AT 9/1/24-8/31/25	Dues/AT 2024-25	$ 150.00
65779	2137 - CALIFORNIA SAFETY AGENCY RECON INDUSTRIES INC	$ 1,200.00			
			Svc/Restroom & Tennis Court Lockup 6/24	3604-163	$ 1,200.00
65780	111882 - CALIFORNIA YELLOW CAB CORP	$ 6,945.00			
			Sr Center/Nutrition Program 6/24	6503024	$ 1,455.00
			Taxi Vouchers/Sr Center 6/24	6501024	$ 5,490.00
65781	109332 - CARLSON, ERIK	$ 12.00			
			Meal/First Aid/CPR 7/2	Reimb 8/2/24	$ 12.00
65782	2282 - CAROL ELECTRIC COMPANY INC	$ 14,202.50			
			Investigate & Repair/Wire Theft Damage/Lexington Park 6/10	2003195	$ 12,339.50
			Repair/Damaged Electrical Boxes & Poles 6/23	2003196	$ 1,863.00
65783	122396 - CARRILLO, JUAN	$ 12.00			
			Meal/First Aid/CPR 7/2	Reimb 8/2/24	$ 12.00
65784	2118 - CASC ENGINEERING AND CONSULTING, INC	$ 1,596.25			
			Construct/Modernization Integration/Business Park 6/24	0051583	$ 1,596.25
65785	1008 - CERTIFIX LIVE SCAN	$ 52.00			
			W/C Svc/Fingerprinting(1) 6/7	90880	$ 52.00
65786	123012 - CHARLES ABBOTT ASSOCIATES	$ 930.00			
			Svc/NPDES/Water Quality Mgmt Plan Reviews 6/24	67621	$ 930.00
65787	2035 - COMMUNICATIONS LAB BARRIOS & ASSOCIATES, LLC	$ 10,000.00			
			Final/Svc/City Strategic Communications Support 6/24	2402-839	$ 10,000.00
65788	1473 - COMMUNITY WORKS DESIGN GROUP, LLC	$ 10,781.66			
			Construct/Sports Court 4/24	15708	$ 291.46
			Construct/Sports Court 5/24	15744	$ 3,298.20
			Construct/Sports Court 6/24	15791	$ 7,192.00
65789	115003 - COUNTY OF ORANGE	$ 86.72			
			PD Pre-Booking Forms(400)/Cite & Release Forms(200) 6/3	SH68837	$ 86.72
65790	710 - COUNTY OF ORANGE SHERIFF'S DEPARTMENT OCSD	$ 396.73			
			PD Repair/Mobile Radio 6/24	STTM002377	$ 396.73
65791	1132 - DESTINY SOFTWARE, INC	$ 6,200.00			
			Software Maint/Agenda Quick 7/1/24-6/30/25	5169	$ 6,200.00
65792	1296 - EDCO CNG	$ 3,205.54			
			Natural Gas(389.41 Gls)/Sweepers(2) 6/1-6/15	06182024-6	$ 1,253.90
			Natural Gas(40.94Gls)/Sewer Truck(1) 6/16-6/30	07052024-6(A)	$ 131.83
			Natural Gas(490.06 Gls)/Sweepers(2) 6/16-6/30	07052024-6	$ 1,577.99
			Natural Gas(75.10 Gls)/Sewer Truck(1) 6/1-6/15	06182024-6(A)	$ 241.82
65793	2231 - ELYSIAN ARTS & EVENTS, LLC KIMBERLY DOWNEY ESMOND	$ 3,208.40			
			Instruct/Dance 6/18-7/17	7/17/24	$ 3,208.40
65794	2104 - ENGSTROM, DANIEL MAMA SAID ENTERTAINMENT	$ 2,000.00			
			Perform/Music/Concert on the Green 8/9	5017	$ 2,000.00
65795	100594 - FIVE STAR FIRE PROTECTION INC	$ 1,829.87			
			Inspect/Fire Suppression System/Comm Center 6/13	71479	$ 460.81
			Inspect/Fire Suppression System/Maint Yard 6/13	71477	$ 382.75
			Inspect/Fire Suppression System/Oak Knoll Park Snack Shack 6/13	71480	$ 425.81
			Inspect/Fire Suppression System/Sr Center 6/13	71476	$ 560.50
65796	1115 - FRONTIER	$ 155.25			
			7148996947 - Phone Svc/Sewers 8/24	8/24	$ 61.27
			W/C Phone Svc/5624931036 7/24	7/24(C)	$ 93.98
65797	2398 - GALLATIN INVESTIGATIONS LLC LISA MATTEROLI	$ 2,000.00			
			PD Svc/Background Check(1) 7/8	2024-0001	$ 2,000.00
65798	2276 - GENESIS BUILDERS, INC K2 PAINTING	$ 1,563.00			
			Replace/Door & Hinges/Sr Center 6/21	08012024	$ 1,563.00

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EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
65799	1506 - GODOY, SERGIO	$ 12.00			
			Meals/First Aid/CPR 7/2	Reimb 8/2/24	$ 12.00
65800	119018 - GOLDEN STATE WATER COMPANY	$ 63,938.60			
			Svc/Athletic Fields 6/24	6/24(K)	$ 830.47
			Svc/Community Center 6/24	6/24(N)	$ 43.26
			Svc/Lexington Park 6/24	6/24(O)	$ 2,445.19
			Svc/Maint Yard Landscaping 6/24	6/24(L)	$ 704.44
			Svc/Parks Landscaping 6/24	6/24(P)	$ 34,912.24
			Svc/Parkway Maint 6/24	6/24(Q)	$ 16,055.04
			Svc/Parkway Maint 7/24	7/24(B)	$ 7,532.77
			Svc/Sr Center 6/24	6/24(M)	$ 706.58
			Svc/Storm Drain 7/24	7/24(A)	$ 708.61
65801	110049 - GREAT SCOTT TREE SERVICE INC	$ 16,224.50			
			Svc/Remove Tree(1) 6/11	53291	$ 1,200.00
			Svc/Remove Tree(1) 6/30	53514	$ 700.00
			Svc/Trim Trees(251) 6/30	53516	$ 10,568.50
			Svc/Trim Trees(78) 6/27	53481	$ 3,756.00
65802	117233 - HOME DEPOT CREDIT SVC-REC #0720	$ 407.42			
			Measuring Wheel(1)/Salute to America 6/19	3374037	$ 70.01
			Soccer Goal Nuts(14)/Bolts(20)/Washers(20)/Lexington Park 7/1	4023463	$ 68.72
			Supplies/Facility Operations/Recreation 6/19	6614055	$ 171.51
			Supplies/Salute to America 6/19	6614054	$ 97.18
65803	120000 - INSIGHT PUBLIC SECTOR	$ 4,061.75			
			IT Cybersecurity Training 7/23/24-7/22/25	1101183764	$ 4,061.75
65804	102993 - ITERIS, INC	$ 5,834.50			
			Design/Wireless Communications/Various Locations 6/24	171511	$ 280.00
			Svc/Maintain CCTV Network 4/24-5/24	170706	$ 5,554.50
65805	2023 - KELLEY, JORDAN	$ 12.00			
			Meal/Response to the Non-Criminal Barricade 6/13	Reimb 8/2/24	$ 12.00
65806	111167 - LEXIPOL LLC	$ 7,223.14			
			PD Training Manual Updates 7/1/24-6/30/25	INVLEX11235707	$ 7,223.14
65807	122069 - LIEBERT CASSIDY WHITMORE	$ 2,188.50			
			Legal Svc/HR Matter #CY020-00001 6/24	270929	$ 351.00
			Legal Svc/HR Matter #CY020-00041 6/24	271761	$ 26.50
			Legal Svc/HR Matter #CY020-00043 6/24	271773	$ 1,655.00
			Legal Svc/PD Matter #CY020-00100 5/24	269640	$ 156.00
65808	1779 - LINSCOTT LAW & GREENSPAN ENGINEERS LG2WB	$ 28,824.00			
			Design/Traffic Signal/Valley View & Plaza 5/24	14394-00150	$ 9,400.00
			Svc/Traffic Engineering 6/24	14394-00151	$ 19,424.00
65809	933 - LSA ASSOCIATES, INC	$ 23,760.40			
			Consult/Housing Element/Environmental Impact Report 6/24	194729	$ 7,375.71
			Consult/Mitigated Negative Declaration/5665 Plaza Dr 6/24	194692	$ 16,384.69
65810	110492 - MCBAIN, MICHAEL	$ 12.00			
			Meal/First Aid/CPR 7/2	Reimb 8/2/24	$ 12.00
65811	109269 - MILES, HILDA	$ 786.50			
			Instruct/Hula Dance 6/11-7/18	7/18/24	$ 786.50
65812	1363 - MOBILE WIRELESS, LLC	$ 16,642.50			
			W/C Software Maint/CAD/RMS VPN Connection 5/3/24-5/2/27	5853	$ 16,642.50
65813	129724 - NAPA AUTO PARTS - SO CAL AUTO & TRUCK PARTS INC	$ 417.04			
			Brake Rotors(4)/Brake Pad(1) 6/7	461833	$ 417.04
65814	107959 - ORANGE COUNTY COUNCIL OF GOVERNMENTS-OCCOG	$ 8,287.80			
			Dues/OC Council of Governments 7/1/24-6/30/25	2024-106	$ 5,481.50
			Fee/Demographic Research 7/1/24-6/30/25	2024-106(A)	$ 2,806.30

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EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
65815	122725 - ORANGE COUNTY SANITATION DISTRICT	$ 5,498.12			
			Sewer Connect Fees 5/24	5/24	$ 4,953.57
			Sewer Connect Fees 6/24	6/24	$ 544.55
65816	1140 - ORTIZ, JESSE	$ 12.00			
			Meal/First Aid/CPR 7/2	Reimb 8/2/24	$ 12.00
65817	2115 - POWERDMS, INC	$ 3,354.75			
			PD Software Maint/Field Training Officer 8/6/23-8/5/24	INV52993	$ 3,354.75
65818	2236 - PROACTIVE WORK HEALTH SERVICES	$ 1,636.00			
			DOT Test(1) 6/24	15079_90203(A)	$ 85.00
			Pre-Place Physical(3)/City 6/24	15079_90203	$ 1,551.00
65819	2331 - PROFESSIONAL ACCESS CCTV & ELECTRICAL INC	$ 1,721.21			
			PD Jail Camera Power Button(1) 7/9	96502	$ 1,721.21
65820	484 - QUADIENT, INC	$ 244.73			
			Lease/Postage Meter 5/1/24-6/30/24	Q1401210	$ 163.16
			Lease/Postage Meter 7/24	Q1401210(A)	$ 81.57
65821	580 - R.J. NOBLE COMPANY	$ 706,458.65			
			Construct/Arterial Street Rehab 4/24-6/24	246129	$ 706,458.65
65822	2218 - READWRITE EDUCATIONAL SOLUTIONS INC	$ 622.05			
			Instruct/Reading & Math Development 6/10-6/26	6/26/24	$ 622.05
65823	101148 - RED WING SHOE STORE	$ 246.95			
			Safety Shoes/ERodriguez 7/7	20240711025347	$ 246.95
65824	1391 - REED, SEBASTIAN	$ 12.00			
			Meal/First Aid/CPR 7/2	Reimb 8/2/24	$ 12.00
65825	2230 - RINGCENTRAL INC	$ 188.83			
			Software Maint/Phone System 7/1/24-6/30/25	INVA83350869	$ 188.83
65826	130231 - RSG, INC ROSENOW SPEVACEK GROUP INC	$ 2,467.50			
			Consult/Affordable Housing/Citrus Square 6/24	11998	$ 2,467.50
65827	2194 - SAFETY-KLEEN SYSTEMS, INC	$ 978.42			
			Motor Oil(55 Gls) 3/26	94213363	$ 978.42
65828	2464 - SANTA MONICA-UCLA MEDICAL CENTER	$ 1,029.00			
			PD Assault Exam(1)/DR #24-01326 5/24	25377713	$ 1,029.00
65829	2031 - SDI PRESENCE LLC	$ 1,350.00			
			W/C Svc/Monitor IT/CAD System 6/24	16338	$ 1,350.00
65830	130328 - SHOETERIA	$ 169.70			
			Safety Shoes(1)/TNorcia 7/5	0069537IN	$ 169.70
65831	1181 - SITE ONE LANDSCAPE SUPPLY, LLC	$ 822.16			
			Grass Seed(100 Lbs)/Various Parks 6/12	142750437-001	$ 822.16
65832	119016 - SO CAL EDISON	$ 6,604.43			
			700003851853 Svc/Parkways 3/24-6/24	3/24-6/24	$ 305.99
			700564248438 Svc/Traffic Signals 6/24	6/24(E)	$ 3,322.28
			700710877173 - Svc/Lexington Park 7/24	7/24	$ 2,976.16
65833	119017 - SO CAL GAS CO	$ 715.62			
			00840909006 Svc/Comm Center 7/24	7/24(D)	$ 87.91
			08131074000 Svc/Storm Drain 6/24	6/24(G)	$ 32.93
			08131074000 Svc/Storm Drain 7/24	7/24(G)	$ 27.39
			12600890003 Svc/Maint Yard 7/24	7/24(C)	$ 83.24
			13230923008 Svc/Storm Drain 7/24	7/24(B)	$ 19.46
			14011061398 Svc/Storm Drain 7/24	7/24(E)	$ 54.94
			16111070716 Svc/Storm Drain 7/24	7/24(F)	$ 50.31
			18690942000 Svc/Sr Center 7/24	7/24(A)	$ 241.96
			19530910009 Svc/City Hall 7/24	7/24	$ 117.48
65834	127941 - SOUTH COAST AIR QUALITY MGT DISTRICT	$ 707.00			
			Fee/Diesel Generator/City Hall 2024-25	4377581	$ 541.04
			Fee/Generator Emissions/City Hall 2024-25	4378656	$ 165.96

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EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
65835	1027 - SOUTHERN CALIFORNIA BARRICADES-COAST HILLS INC	$ 3,573.00			
			Svc/Road Closure/Traffic Control/Salute to America 6/28	24-6127	$ 3,573.00
65836	1279 - SOUTHERN CALIFORNIA SHREDDING, INC	$ 65.00			
			PD Svc/Shredding 7/1	258099	$ 65.00
65837	125888 - SPARKLETTS	$ 285.55			
			Maint Bottled Water 5/24	4106666 5/24	$ 114.64
			Maint Bottled Water 6/24	4106666 6/24	$ 148.96
			Sr Center Bottled Water 6/24	4104716 6/24	$ 21.95
65838	1969 - SPINDOLA, CHRISTOPHER	$ 12.00			
			Meal/First Aid/CPR 7/2	Reimb 8/2/24	$ 12.00
65839	1330 - SUPERIOR PROPERTY SERVICES, INC-SUPERIOR GRAFFITI	$ 6,160.00			
			Svc/Graffiti Removal/Streets & Parks 6/24	18131	$ 6,160.00
65840	2378 - TEAMCIVX, LLC	$ 27,519.03			
			Svc/Education & Outreach/Housing Element/Ballot Measure 5/24	3086 Revised	$ 27,519.03
65841	2071 - THAT SOUND GUY DARREN KNOWLES	$ 1,600.00			
			Svc/Audio & Lighting/Concert on the Green 8/2	78	$ 1,600.00
65842	2071 - THAT SOUND GUY DARREN KNOWLES	$ 1,600.00			
			Svc/Audio & Lighting/Concert on the Green 8/9	80	$ 1,600.00
65843	2452 - THE DREAMBOATS BAND LLC	$ 2,300.00			
			Perform/Music/Concert on the Green 8/2	7/16/24	$ 2,300.00
65844	2241 - THE EMBLEM AUTHORITY EMBLEMS INC	$ 189.00			
			PD CERT Uniform Patches(100) 7/16	46178	$ 189.00
65845	2385 - THE JAY PARTICLE LLC MAD SCIENCE	$ 4,490.20			
			Instruct/Galaxy Defenders Camp 7/15-7/19	7/19/24	$ 1,619.80
			Instruct/Robots 101 Camp 7/8-7/12	7/12/24	$ 2,870.40
65846	851 - THE UPS STORE, #5882	$ 175.00			
			Svc/Fingerprints(7)/Rec Volunteers 6/24	7/15/2024	$ 175.00
65847	29 - TIMOTHY BOWEN PLAY-WELL TEKNOLOGIES	$ 3,510.00			
			Instruct/STEM & Pokemon Engineering with LEGO 7/15-7/19	7/19/24	$ 3,510.00
65848	1141 - TRAUMA INTERVENTION PROGRAMS, INC	$ 6,138.00			
			PD Svc/Traumatic Event Victim Support 7/1/24-6/30/25	4294	$ 6,138.00
65849	127207 - UNDERGROUND SVS ALERT OF SO CA	$ 197.25			
			Svc/DigAlert Tickets 6/24	620240223	$ 197.25
65850	1139 - UNIFIRST CORP	$ 593.00			
			Uniforms/Mats/Mops/Towels 6/24	6/24	$ 593.00
65851	2240 - UNIVERSAL WASTE SYSTEMS	$ 800.00			
			Svc/Porta-Pottie(1)/Nature Park 6/24	0003172002	$ 200.00
			Svc/Porta-Potties(3)/Maint Yard 5/24	0003055294	$ 600.00
65852	116933 - V & V MANUFACTURING INC	$ 164.22			
			Credit/Returned Out of Use Badges(217) 2/27	59340(A)	$ (217.00)
			PD Badges(2) 6/19	59340	$ 249.87
			PD Repair/Badges(2) 7/18	59547	$ 131.35
65853	129595 - VERIZON WIRELESS - CA	$ 79.32			
			Cell Svc/Rec 7/24	7/24	$ 79.32
65854	2095 - VU 4 LEARNING CORP BRICKS 4 KIDZ	$ 1,491.75			
			Instruct/Coding with Scratch 3 and LEGO 7/8-7/12	7/12/24	$ 1,491.75
65855	1993 - WATANABE , BRYCE I	$ 1,159.60			
			Instruct/Karate 6/17-7/17	7/17/24	$ 1,159.60
65856	112149 - WESTERN EXTERMINATOR COMPANY	$ 460.00			
			Svc/Pest Control/Citywide 6/24	424974C	$ 460.00
65857	2273 - YOUNG REMBRANDTS NORTH ORANGE COUNTY BI DAN YU	$ 1,497.60			
			Instruct/Drawing 6/11-7/16	7/16/24	$ 1,497.60
65858	2044 - YOUTH EVOLUTION ACTIVITIES	$ 347.10			
			Instruct/Youth Basketball 6/13-7/11	7/11/24	$ 347.10

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EFT/ Warrant Number	Vendor	Payment Amount	Description	Invoice	Invoice Amount
65859	1974 - YUNEX LLC	$ 10,521.50			
			Repair/Pedestrian Pole/Knockdown/Walker & Vessels 6/6	5610002779	$ 1,382.50
			Repair/Traffic Signals 6/24	5610002778	$ 3,860.00
			Svc/Street Light Survey 6/24	90002459	$ 250.00
			Traffic Signal Maint 6/24	90002440	$ 5,029.00
65860	0 - DMA BUILDER	$ 3,000.00			
			Refund/Recycling Deposit/CDD-23-175/5247 Katella Ave	Rfd 8/2/24	$ 3,000.00
65861	0 - GUEVARRA, MARY ANN	$ 100.00			
			Refund/Facility Deposit/Contract #8975	Rfd 8/2/24	$ 100.00
65862	0 - HABERMAN, LISA	$ 1,000.00			
			Refund/Facility Deposit/CDD-22-99/4071 Myra Ave	Rfd 8/2/24	$ 1,000.00
65863	0 - MOSLEY INSURANCE & FINANCIAL SERVICES	$ 300.00			
			Refund/Facility Deposit/Contract #8829	Rfd 8/2/24	$ 300.00
65864	0 - PARK, DAVID	$ 500.00			
			Refund/Recycling Deposit/CDD-24-88/10645 Lynn Circle	Rfd 8/2/24	$ 500.00
65865	0 - WAHBA, AMGAD	$ 1,000.00			
			Refund/Facility Deposit/CDD-23-373/5081 New Mexico Lane	Rfd 8/2/24	$ 1,000.00
63555	0 - POYNTER, MICHAEL	$ (300.00)			
			Refund/Facility Deposit/Contract #7641	Rfd 9/15/23	$ (300.00)
64559	1296 - EDCO CNG	$ (1,433.00)			
			Natural Gas(376.72 Gls)/Sweepers(2) 1/1-1/15	01232024-6	$ (1,213.04)
			Natural Gas(68.31 Gls)/Sewer Truck(1) 1/1-1/15	01232024-6(A)	$ (219.96)
64900	1993 - WATANABE, BRYCE I	$ (1,958.45)			
			Instruct/Karate 52/12-3/20	3/20/2024	$ (1,958.45)
65652	115003 - COUNTY OF ORANGE	$ (4,101.25)			
			Fee/Notice of Determination/Housing Element Implementation	7/10/24	$ (4,101.25)
65653	115003 - COUNTY OF ORANGE	$ (4,101.25)			
			Fee/Notice of Determination/Housing Element Implementation	7/10/24	$ (4,101.25)
65678	168 - CalPERS	$ (3,317.60)			
			PD Classic Survivor Benefits FY 2023-24	17582747	$ (1,409.20)
			PD PEPRA Survivor Benefits FY 2023-24	17581522	$ (1,908.40)
65681	2090 - CHARTER COMMUNICATIONS HOLDINGS LLC SPECTRUM	$ (139.95)			
			Svc/Cable TV 7/10-8/9	79111071024	$ (139.95)
65742	2378 - TEAMCIVX, LLC	$ (42,344.47)			
			Svc/Education & Outreach/Housing Element/Ballot Measure 5/24	3086	$ (42,344.47)
Total EFTs		$ 6,674,920.83			$ 6,674,920.83
Total Warrants		12,374,548.89			12,374,548.89
Transfer to Payroll (W1531)		808,210.85	Payroll 05/24/24-06/07/24		808,210.85
Transfer to Payroll (W1532)		826,348.15	Payroll 06/07/24-06/21/24		826,348.15
Transfer to Payroll (W1533)		828,039.62	Payroll 06/21/24-07/05/24		828,039.62
Transfer to Payroll (W1534)		886,668.16	Payroll 07/05/24-07/19/24		886,668.16
Transfer to Payroll (W1535)		809,490.05	Payroll 07/19/24-08/02/24		809,490.05
Grand Totals		$ 23,208,226.55			$ 23,208,226.55

CITY OF CYPRESS

CITY COUNCIL REPORT

City Council Regular **15.**

FROM: Mark Lauderback, Chief of Police

DATE: 08/26/2024

SUBJECT: **Receive an Update on the Police Department Strategic Plan**

RECOMMENDATION

Receive an update on the Police Department Strategic Plan.

DISCUSSION

The Police department held a strategic planning workshop in April 2022 which identified and established goals and strategies for 2022 through 2025. The strategic plan was presented to the City Council in July 2022 with the following goals:

- Create a Succession Plan
- Enhance Workplace Procedures to Improve Teamwork, Trust, and Transparency
- Enhance the Department Technology Plan
- Improve Internal and External Communication.

The Police Chief will provide an update on the status of the three-year strategic plan.

BUDGET IMPACT

None.

LEGAL REVIEW

None required.

APPROVED BY: Peter Grant, City Manager