



CHANGE ORDER NO. 2
DATE 6/16/23

Change Order not valid until signed by both the City and the Contractor. Contractor's signature indicates Agreement herewith, including any adjustments in the Agreement Price or Agreement Time.

Project Name: **Chandler Boulevard and Dobson Road Sewer and Water Improvements**

Project No.: **WW2005.403**

User Dept.: **Public Works & Utilities**

NTP Date: **TBD**

TO: B&F Contracting, Inc.

11011 N 23rd Ave, Phoenix, AZ 85029

(CONTRACTOR)

(Mailing Address)

bruceb@bfcontracting.com/JOnstott@bfcontracting.com/kelly.haberly@bfcontracting.com

(Email Address)

Contractor must make the following changes to this Agreement: (Detail scope change (Exh. A) / cost breakdown (Exh. B), if needed)

The following contract Change Order represents the GMP 3 for a portion of the water improvements work as presented in the attached Exhibits. The contract time will also be extended an additional 150 calendar days to allow the contractor to perform this portion of the work.

Amendment authorized by Owner name: Jeff Auker by email

Date: 6/16/2023

Original Agreement amount:	\$7,689,563.73
Previous Change Order total:	\$7,202,897.39
Last Agreement amount approved by Council:	\$14,892,461.12
This Change Order:	\$3,818,381.51
This Change Order + previous Change Order(s) not approved by Council total:	\$3,818,381.51
Revised Agreement total:	\$18,710,842.63

Council Approval Required (yes indicates approval required)

Yes

No

Change Order(s) total over \$100,000:

☒

☐

Change Order(s) total causes Agreement to exceed \$100,000:

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☐

Agreement Time

Agreement time prior to this Change Order (including previous change order(s):

435

Calendar Days

Net change resulting from this Change Order:

150

Calendar Days

Revised Agreement time (including this Change Order):

585

Calendar Days

Council Approval (if applicable)

Council Approval Date: 7/20/2023 Item No.

THE ABOVE IS AGREED TO BY:

"CITY" CITY OF CHANDLER

MAYOR

RECOMMENDED BY:



Digitally signed by Kimberly Moon
DN: C=US,
E=Kimberly.Moon@ChandlerAZ.gov, O=City of
Chandler, OU=Capital Projects Division,
CN=Kimberly Moon
Date: 2023.06.26 13:23:35-07'00'

Kimberly Moon, P.E.
CIP City Engineer

APPROVED AS TO FORM:

City Attorney



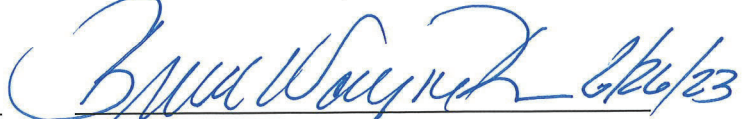
ATTEST:

City Clerk

Seal

"CONTRACTOR"

B&F CONTRACTING, INC.


Signature Date


Print Name


Title


Signer Email Address

C: Owner / Melanie Sikes

June 15, 2023

Scott Riter – Construction Project Manager
City of Chandler – Public Works & Utilities
215 E Buffalo Street
Chandler, AZ 85225

RE: Name: Chandler Blvd and Dobson Road Watermain Replacement Project
Project No.: WW2005.403

SUBJECT: Construction Manager at Risk – GMP-003

Dear Mr. Riter,

B&F Contracting, Inc. (CMAR) respectfully submits, for your review, our GMP-003 for the Chandler Dobson Watermain Replacement Project. CMAR proposes to complete GMP-003 work in 3 months to substantial completion. Place holders in the project schedule will show the delineation of these areas. The price includes all labor, equipment, material, and services to complete a portion of the work which is delineated on the schedule of values. See the attached schedule of values for reference and supplemental documentation.

Included in this package are the following documents:

- Scope of Work
- GMP Exhibit D
- Schedule of Values
- Cost Detail
- Equipment and Crew Composition
- List of GMP Documents
- Clarifications and Assumptions
- Subcontractor and Material Quotes
- GMP Schedule
- Cashflow Chart
- Risk Register

We are excited about the opportunity to work with the City of Chandler and look forward to discussing this soon. If you or your team have any questions or comments regarding the above items, please contact Josh Onstott at (623)238-3792.

Sincerely,

Josh Onstott

Josh Onstott – Executive Director
Jonstott@bfcontracting.com
B&F Contracting, Inc.

INDEX OF EXHIBITS
**CHANDLER BLVD. AND DOBSON ROAD TO CHIPPEWA WATERMAIN
REPLACEMENT PROJECT**

COC Project No.: WW2005.403

GMP-003

[06/15/2023]

- Exhibit D1: Scope of Work
- Exhibit D2: GMP Coversheet
- Exhibit D3: Schedule of Values
- Exhibit D4: List of GMP Documents
- Exhibit D5: Clarifications and Assumptions
- Exhibit D6: GM-001, GMP-002 & GMP-003 Schedule
- Exhibit D7: Cashflow Chart
- Exhibit D8: Risk Register
- Exhibit E: Subcontractor Documents with Contractor Coversheet

EXHIBIT D1: SCOPE OF WORK

CHANDLER AND DOBSON WATERMAIN REPLACEMENT

COC Project Number: WW2005.403

GMP-003

(06/15/2023)

PROJECT OVERVIEW

The project includes the replacement and abandonment of approximately 8,254 LF of 12-inch existing watermain with a new Ductile Iron Pipe main bound by the intersection of Dobson Road and Chandler Blvd and Chandler Blvd and Chippewa on the North Side of Chandler and Chandler and Meadows Drive on the South Side of Chandler Blvd. The project GMP was evaluated by delineating the intersection of Chandler Blvd and Dobson Intersection and all other pipe installed east of the intersection to their respective connections. This project includes the updating of existing services, backflow, and hydrant along the alignment.

SCOPE OF WORK

Chandler Blvd from Dobson Intersection to Chippewa Place: Installation of new 12-inch line that runs parallel with Chandler Blvd.

Chandler Blvd from Dobson to Meadows: Installation of new services, backflows, hydrant, and lateral as identified on the plans. Post installation and testing of the new pipeline, the existing pipe will be abandoned in place.

Construction phase services by the CMAR includes:

- Mill, Sawcut and removal of asphalt.
- Trench excavation.
- Perform water main installation.
- Tie into existing water mains.
- Install Fire hydrant.
- Cleaning and Inspection.
- Pressure Test and Chlorination.
- Coordinate with various City of Chandler departments, other agencies, utility companies, etc.
- Arrange for procurement of materials and equipment.
- Schedule and manage site operations.
- Bond and insure the construction.
- Maintain a safe work site for all project participants.
- As-built records drawings.
- Shutdown planning and coordination.
- Hardscape removal and replacement.
- Landscape restoration at disturbed areas.
- Asphalt Replacement.
- Concrete encasement per the plans.
- Known Utility Protection.
- Striping and Traffic Control.
- Public Outreach.
- SWPP Maintenance.
- Quality Control Testing.
- GPS/GIS field data per (Exhibit GPS Scope and Data Dictionary)

GENERAL ITEMS:

- 1) Mobilization & Demobilization: (Included in GMP-002)
- 2) Storm Water Pollution Prevention (SWPP): (Included in GMP-002)
- 3) Survey (Allowance): (Included in GMP-002)
- 4) Public Outreach (Allowance): (Included in GMP-002)
- 5) Remove and Replace Disturbed Pavement Markings
 - a) Cost to replace striping that is damaged by construction activities outside the Chandler Dobson intersection which is not covered in the Sewer GMP.
 - b) Striping to be completed after item 6 Fog Seal
- 6) Fog Seal
 - a) Fog seal half the street from curb to curb on the roadway that is being disturbed by the water alignment.
- 7) Place and Fine Grade ABC & Fine Grade Prior To Pavement
 - a) Complete a fine grade to ensure ac thickness and compaction is met prior to paving operations.
 - b) Quantity growth by direction of City of Chandler Transportation due to pavement line placement will be compensated through contractor's contingency at the unit rate plus applicable mark-ups.
- 8) Remove and Replace Curb and Gutter MAG Standard Detail 230
 - a) Remove and Replace Curb that is damaged by construction activities due to the proximity of the running line to the curb and gutter.
 - b) Labor, Equipment, Materials, and Fees to remove to sawcut remove the existing work regrade the area for new curb, compact the subgrade, and install new curb in place post construction of the waterline.
- 9) Remove And Replace Sidewalk Mag Std Det 230
 - a) R&R sidewalk at locations identified on the plans and any activity in the sidewalk.
 - b) Equipment, labor, materials, and consumables are included in the price of replacement.
- 10) Sawcut, Remove, And Replace Pavement MAG Standard Detail 200-1 & 200-2
 - a) Sawcut the pavement section for trench excavation.
 - b) Remove pavement offsite and associated dump fees.
 - c) Milling the trench line for T-Top
 - d) Furnish Install trench patch per COC standards.
 - e) Crack seal trench edges.
 - f) Tack coat on existing asphalt edges.
- 11) Remove And Replace Sidewalk Ramp in Kind - Identified in Potholing
 - a) Equipment, labor, materials, and consumables are included in the price of replacement.
 - b) Quantities are based on any time a ramp is encountered in the installation it will be fully replaced in kind.
 - c) Estimates based on plans and due to status of ramps and section of replacement the expectation field modification will be made to ensure new concrete identified without existing joints will need to be field directed by the owner / owner representative.
- 12) Remove & Replace Median
 - a) Replace vertical curb in medians based on plan quantity.
 - b) This item is to compensate for the concrete replacement and other work in median will be covered through allowances.
- 13) Remove and Replace Valley Gutter Mag Std Det 240
 - a) Demo and remove existing valley gutter and dispose of materials.
 - b) Grade and form new valley gutter.
 - c) Labor, equipment, and materials to complete the work.

- d) Quantities for valley gutter are based on plans.
- e) CMAR takeoff for valley gutters based on existing conditions onsite differ from plans. CMAR has excluded this from the GMP direct cost but will carry possible overrun in contractor's contingency.
- f) Due to the running line on the waterline like the curb the expectation is that valley gutter will be susceptible to damage from the equipment performing the work. Extra contingency is added to the contractor's contingency to cover this cost.

14) Replace Concrete Bus Bay COC Standard

- a) Demo and remove existing valley gutter and dispose of materials.
- b) Labor, equipment, and materials to complete the work.
- c) Associated haul off and dump fees for concrete.
- d) Fine grading and compaction prior to placement.
- e) An additional 500 SF was added to the GMP due to damaged panels identified in the design phase potholing efforts.
- f) Eco Pan for washout at the yard.

15) 12-inch ACP Abandonment with Grout W/Grout MAG Std Spec 350

- a) Crew and materials to add grouting points on pipe for abandonment.
- b) Grout crew and pump to complete work.

16) 12-inch CIP Abandonment with Grout (Included in GMP-002)

17) 8-inch ACP Abandonment with Grout W/Grout MAG Std Spec 350

- a) Crew and materials to add grouting points on pipe for abandonment.
- b) Grout crew and pump to complete work.

18) 8-inch CIP Abandonment with Grout (Included in GMP-002)

19) 6-inch ACP Abandonment with Grout W/Grout MAG Std Spec 350

- a) Crew and materials to add grouting points on pipe for abandonment.
- b) Grout crew and pump to complete work.

20) Abandon In Place 12-inch Gate Valve in Closed Position Std Det 350

- a) Remove surface to square edges and remove risers once valve is in desired position and fill with ½ sack slurry.
- b) Crew & Equipment to complete the work.
- c) Abandon gate valve in concrete that are not identified to replace concrete will be patch with bag mix 4000 PSI concrete once abandonment is completed.

21) Abandon In Place 8-inch Gate Valve in Closed Position Std Det 350

- a) Remove surface to square edges and remove risers once valve is in desired position and fill with ½ sack slurry.
- b) Crew & Equipment to complete the work.
- c) Abandon gate valve in concrete that are not identified to replace concrete will be patch with bag mix 4000 PSI concrete once abandonment is completed.

22) Abandon In Place 6-inch Gate Valve in Closed Position Std Det 350

- a) Remove surface to square edges and remove risers once valve is in desired position and fill with ½ sack slurry.
- b) Crew & Equipment to complete the work.
- c) Abandon gate valve in concrete that are not identified to replace concrete will be patch with bag mix 4000 PSI concrete once abandonment is completed.

23) Abandon In Place Existing Water Service Line

- a) Labor, Equipment and Materials to complete cut and plugs after the new line is in service.
- b) Materials include fittings to abandon in place.

- c) The corporation stop at the main will remain open and the abandonment will be complete near the meter or private side connection and cut the service below grade to its current running line to 18-inch minimum below grade of the running line is less than 18".
 - d) The service will be abandoned as deep as possible and closest to the main without creating more surface repair.
- 24) Remove Existing Water Meter Box and Salvage Meter to City
- a) Crew and Materials to remove meter box and meter.
 - b) CMAR will contact City of Chandler Water Distribution and deliver the meters to the McQueen Yard.
- 25) Remove Existing Fire Hydrant
- a) Crew & Equipment to complete the work.
 - b) Materials to fill voids and any other hardscape or existing concrete that will need to be removed to properly remove and abandon the hydrant.
 - c) Landscape restoration will be compensated through the Pavers and Landscape allowance.
- 26) Remove 12" CIP Water Main: (Included in GMP-002)
- 27) Remove 12" ACP Water Main: (Included in GMP-002)
- 28) Cut and Plug 6-inch Water Main
- a) Labor, Equipment and Materials to complete cut and plugs after the new line is in service.
 - b) Materials include DIP, Transition Coupling, cap, and concrete for restraint on existing pipe for abandonment or reenergization.
- 29) Cut and Plug 8-inch Water Main
- a) Labor, Equipment and Materials to complete cut and plugs after the new line is in service.
 - b) Materials include DIP, Transition Coupling, cap, and concrete for restraint on existing pipe for abandonment or reenergization.
- 30) Cut & Plug 12-inch Water Main
- a) Labor, Equipment and Materials to complete cut and plugs after the new line is in service.
 - b) Materials include DIP, Transition Coupling, cap, and concrete for restraint on existing pipe for abandonment or reenergization.
- 31) Remove Existing 12" Gate Valve and Backfill with ½ Sack CLSM
- a) Equipment, Labor, and Materials to remove valve box and cover.
 - b) CLSM to backfill the void after removal.
 - c) Disposal of gate valve and materials
- 32) Remove Existing 12" Gate Valve Box and Cover (Included in GMP-002)
- 33) Remove 8-inch Gate Valve Backfill With 1/2 Sack CLSM
- a) Equipment, Labor, and Materials to remove valve box and cover.
 - b) CLSM to backfill the void after removal.
 - c) Disposal of gate valve and materials
- 34) Remove Existing 6" Gate Valve and Backfill with ½ Sack CLSM (Included in GMP-002)
- 35) Remove 24-Inch Abandoned SRP Irrigation Pipe (Included in GMP-002)
- 36) Plug 24-inch Abandoned Irrigation Line (Included in GMP-002)
- 37) 12-Inch Pipe Installation in the Chandler & Dobson Intersection (Included in GMP-002)

- 38) 12-Inch Class 350 DIP Watermain W/Polywrap, Valves, Fittings, Vertical/Horizontal Alignment's, & Gate Valves Misc.
- a) Included all 12-inch waterline material outside the intersection work only. (Included in GMP-002)
 - b) Equipment, labor, and materials to install and backfill pipe.
 - c) Shoring and Plates
 - d) Vertical realignments and horizontal realignments'
 - e) Pipe will consist of a combination of field locking gasketed pipe and restraint joint pipe.
 - f) ABC backfill.
 - g) Haul off and disposal of excavated materials.
 - h) Dig laying and backfilling pipe.
 - i) Standard bedding depth.
 - j) Anticipated to be completed with a 30-inch excavator bucket.
 - k) Compaction complete with an excavator sheep's foot attachment after 1 foot above pipe.
- 39) 8-Inch Class 350 DIP Watermain W/Polywrap, Valves, Fittings, Vertical/Horizontal Alignment's, & Gate Valves Misc.
- a) Equipment, labor, and materials to install and backfill pipe.
 - b) Shoring and Plates
 - c) Vertical realignments and horizontal realignments'
 - d) ABC backfill.
 - e) Haul off and disposal of excavated materials.
 - f) Dig, lay, and backfill pipe.
 - g) Standard bedding depth.
 - h) Anticipated to be completed with a 24-inch excavator bucket.
 - i) Compaction complete with an excavator sheep's foot attachment after 1 foot above pipe.
- 40) 6-Inch Class 350 DIP Watermain W/Polywrap, Fittings, And Valves
- a) Equipment, labor, and materials to install pipe and backfill.
 - b) Shoring and Plates
 - c) Vertical realignments and horizontal realignments'
 - d) ABC backfills.
 - e) Haul off and disposal of excavated materials.
 - f) Dig, lay, and backfill pipe.
 - g) Standard bedding depth.
 - h) Anticipated to be completed with a 24-inch excavator bucket.
- 41) 4-Inch Class 350 DIP Watermain W/Polywrap, Fittings, And Valves (Included in GMP-002)
- 42) 12" Perma-Seal Insertion Valve Mueller Co LLC or Approved Equivalent: (Included in GMP-002)
- 43) 12" Inserta Valve Romac Industries or Approved Equivalent: (Included in GMP-002)
- 44) 12-inch Cut in Tee (Included in GMP-002)
- 45) 16-inch Gate Valve (Included in GMP-002)
- 46) 16-inch X 8-inch Cut in Tee (Included in GMP-002)
- 47) Thrust Block Installation @ Intersection (Included in GMP-002)
- 48) Chandler Blvd Misc. Thrust Blocks

- a) Includes all thrust blocks not at the intersection on the new connection to the exiting lines per the design drawings.

- 49) Concrete Encasements at Chandler Blvd & Dobson Road (Included in GMP-002)
- 50) Connect to Existing 12-inch Water Main ACP To DIP Transition Coupling (Included in GMP-002)
- 51) Connect to Existing 12-inch Water Main Not ACP Transition Coupling (Included in GMP-002)
- 52) Connect to Existing 8-inch Water Main ACP To DIP Transition Coupling:
 - a) Includes time to complete and expose existing main and preparation to make tie in.
 - b) Includes labor, materials, and equipment to make time and complete backfill post installation.
 - c) Includes hydro excavation around existing main.
 - d) Asbestos disposal as needed.
- 53) Connect to Existing 8-inch Water Main Not ACP To DIP Transition Coupling: (Included in GMP-002)
- 54) Main ACP To DIP Transition Coupling: (Included in GMP-002)
- 55) Connect To Existing 6-inch Watermain Not ACP (Included in GMP-002)
- 56) Connect To Existing 4" DIP Main (Included in GMP-002)
- 57) Fire Hydrant Assembly COC Std Det C-303 & C-305:
 - a) The bid items included the cost of materials, labor, and equipment to complete.
- 58) 4" Bollard Type 1 COC Standard Detail C-105 & MAG Standard Detail 140(Included in GMP-002)
- 59) 1" Type K Soft Copper Service Line COC Std Det C-301
 - a) The bid items included the cost of materials, labor, and equipment to complete work.
 - b) ABC Backfill
- 60) 1.5" Rigid Copper Service Line COC Std Det C-301:
 - a) The bid items included the cost of materials, labor, and equipment to complete work.
 - b) ABC Backfill
- 61) 2" Rigid Copper Service Line COC Std Det C-301
 - a) The bid items included the cost of materials, labor, and equipment to complete work.
 - b) ABC Backfill
- 62) Locate and Connect Existing Service
 - a) The bid items included the cost of materials, labor, and equipment to complete work.
- 63) 1" Backflow Preventor & Enclosure COC Standard Detail C-311(Included in GMP-002)
- 64) 1.5" Backflow Preventor & Enclosure COC Standard Detail C-311
 - a) The bid items included the cost of materials, labor, and equipment to complete work.
 - b) The bid item includes the installation of a concrete slab and enclosure post installation.
 - c) Includes the certification of the backflow after installation and testing is completed.
 - d) Note all backflow preventor will need to be inspected by the city for proper placement.
- 65) 2" Backflow Preventer & Enclosure COC Std Det C-302 (Included in GMP-002)

- 66) 4-inch Backflow Preventer COC Std Det C-315 (Included in GMP-002)
- 67)) 6" Backflow Preventor & Enclosure COC Standard Detail C-311
- a) The bid items included the cost of materials, labor, and equipment to complete work.
 - b) The bid item includes the installation of a concrete slab and enclosure post installation.
 - c) Includes the certification of the backflow after installation and testing is completed.
 - d) Note all backflow preventor will need to be inspected by the city for proper placement.
- 68) Water Meter Box Installation
- a) Labor and Equipment to install level the box after the swing connection is completed and backfilled per COC standards.
- 69) Install 2-inch Combination Air Relief Valve COC Detail C-319
- a) The bid items included the cost of materials, labor, and equipment to complete work.
- 70) Temporary Watermain Installation at Arrowhead Dr and Jack in a Box (Included in GMP-002)
- 71) Protect Existing SRP utilities being crossed at the intersection. (Included in GMP-002)
- 72) General Conditions - 3 Months
- a) 3 each month of waste management service for the project yard.
 - b) 2 each Connex boxes for project staff to protect valuable material during construction.
 - c) Water and ice for the crews
 - d) Office and Yard rental for project materials, equipment, and personnel.
 - e) Project utilities for site internet service, power, waste, water, etc.
 - f) Project Sanitation portable restrooms, handwashing station, and disinfection supplies.
 - g) Temporary fence rental for project security.
 - h) Senior Project Manager – Josh Onstott ½ Time
 - i) Assistant Project Manager – Amit Satre, P.E. Full Time
 - j) Project Superintendent – Jared Freeman ½ Time
 - k) Field Superintendent – Rod Reeder Full Time
 - l) Field Communication – Radios, Cellular Devices, Tables, and Procore for the project.
 - m) First Aid – Service based kits inspected monthly and stocked for project site personnel.
 - n) ST&S, Safety Supplies, Training, Fall Protection, and small tools – Per Direct Labor Manhours.
 - o) Job Office Expense – Printer, ink, paper, supplies, labor posters, and consumables.
 - p) Drone Photography- Take Monthly Drone Photos

EXHIBIT D
CM@RISK GMP SUMMARY (PAGE 2 of 2)

Project Name: ChanlderBlvd and Dobson Water and Sewer Repacment Project
 Project Location: Chandler BLVD & Dobson Road
 City of Chandler Project No.: WW2005.403

Date: 6/15/2023

		Amount
A. Cost of Work		
A1 Cost of Work (self perform, no mark-up)		\$1,966,105.04
A2 Cost of Work (subcontractors, suppliers, materialmen)		\$664,558.71
TOTAL COST OF WORK:		\$2,630,663.75
B. General Conditions		
		\$286,737.00
	SUBTOTAL 1 (Cost of Work) (A + B):	\$2,917,400.75
C. CM@Risk's Fee		
		\$247,979.06
	SUBTOTAL 2 (A + B + C):	\$3,165,379.81
D. Bonds and Insurance (on Subtotal 1)		
D1 Bonds (Payment and Performance)		\$29,174.01
D2 Insurance		\$32,091.41
TOTAL BONDS & INSURANCE:		\$61,265.42
	SUBTOTAL 3 (SUBTOTAL 2 + BONDS & INS):	\$3,226,645.23
E. Sales Tax		
E1 Sales Tax		\$155,846.96
E2 Tax Credits		\$0.00
TOTAL SALES TAX:		\$155,846.96
F. Approved Allowances		
F9 Landscape Restoration		\$47,160.32
TOTAL ALLOWANCES:		\$47,160.32
G. Contingencies		
G1 Owner Contingency		\$200,000.00
G2 Contractors Contingency		\$188,729.00
TOTAL CONTINGENCIES:		\$388,729.00
	TOTAL GMP PROPOSAL:	\$3,818,381.51

Establishment of Values:

- Cost of Work (A) and Allowances (F) to be submitted with GMP Proposal
- General Conditions Cost (B) to be established in Baseline Cost Model.
- CM@Risk Fee as set forth in Section 3.7.3 of this Contract

A	B	C	D	E	F
ITEM No.	DESCRIPTION OF WORK	QTY	Unit of Measure	Unit Price	SCHEDULED VALUE
	<u>WW2005.403</u>				
1	Mobilization & Demobilization (Included In GMP-002)	0.00	LS		
2	SWPPP (Included In GMP-002)	0.00	MO		
3	Survey (Included In GMP-002)	0.00	AL		
4	Public Outreach (Included In GMP-002)	0.00	AL		
5	Remove And Replace Disturbed Pavement Markings In Kind	1.00	EACH	20,429.00	20,429.00
6	Fog Seal Roadway (SOV Matches Subcontractor Quote and is Not Rounded)	32,000.00	SY	0.52	16,500.00
7	Place And Fine Grade ABC Prior To Pavement	1,726.00	SY	15.21	26,252.46
8	Remove And Replace Curb And Gutter MAG Standard Detail 230	749.00	LF	45.76	34,274.24
9	Remove And Replace Sidewalk MAG Standard Detail 230	989.00	SF	35.26	34,872.14
10	Sawcut, Remove, And Replace Pavement MAG Standard Detail 200-1 & 200-2	1,726.00	SY	111.86	193,070.36
11	Remove And Replace Sidewalk Ramp In Kind - Identified In Potholing	1.00	EACH	8,209.00	8,209.00
12	Remove & Replace Median	71.00	LF	183.53	13,030.63
13	Remove And Replace Valley Gutter & Apron Standard Detail 240	240.00	SF	62.51	15,002.40
14	Replace Concrete Bus Bay COC Standard	235.00	SF	65.22	15,326.70
15	Abandon In Place 12-inch ACP Watermain W/Grout MAG Std Spec 350	2,951.00	LF	28.91	85,313.41
16	Abandon In Place 12-Inch CIP Watermain W/Grout MAG Std Spec 350 (Included In GMP-002)		LF		
17	Abandon In Place 8-inch ACP Watermain W/Grout MAG Std Spec 350	66.00	LF	82.86	5,468.76
18	Abandon In Place 8-inch CIP Watermain W/Grout MAG Std Spec 350 (Included In GMP-002)		LF		
19	Abandon In Place 6-Inch ACP Watermain W/Grout MAG Std Spec 350	89.00	LF	64.44	5,735.16
20	Abandon 12-Inch Gate Valve In Closed Position MAG Std Det 350	3.00	EACH	851.00	2,553.00
21	Abandon 8-Inch Gate Valve In Closed Position Standard Detail 350	7.00	EACH	880.00	6,160.00
22	Abandon 6-Inch Gate Valve In Closed Position MAG Standard Detail 350	4.00	EACH	921.00	3,684.00
23	Abandon In Place Water Service Line	171.00	LF	13.87	2,371.77
24	Remove Existing Water Meter Box & Salvage Meter To City	2.00	EACH	920.00	1,840.00
25	Remove Existing Hydrant Assembly	2.00	EACH	1,527.41	3,054.82
26	Remove 12-inch CIP (Included In GMP-002)		LF		
27	Remove 12-inch ACP (Included In GMP-002)		LF		
28	Cut & Plug 6-inch Watermain	2.00	EACH	3,515.12	7,030.24
29	Cut & Plug 8-inch Watermain	8.00	EACH	3,527.97	28,223.76
30	Cut & Plug 12-inch Watermain	4.00	EACH	5,079.56	20,318.24
31	Remove 12-inch Gate Valve Backfill With 1/2 Sack CLSM	2.00	EACH	1,952.00	3,904.00
32	Remove 12-Inch Gate Valve And Cover (Included In GMP-002)		EACH		
33	Remove 8-inch Gate Valve Backfill With 1/2 Sack CLSM	2.00	EACH	1,800.00	3,600.00
34	Remove 6-inch Gate Valve Backfill With 1/2 Sack CLSM		EACH		
35	Remove 24-inch SRP Irrigation Pipe (Included In GMP-002)		LF		
36	Cut & Plug 24-inch Irrigation Pipe (Included In GMP-002)		EACH		
37	12-Inch Intersection Waterline Work (Included In GMP-002)		LF		
38	12-Inch Class 350 DIP Watermain W/Polywrap, Valves, Fittings, Vertical/Horizontal Alignment	7,372.00	LF	248.02	1,828,403.44
39	8-inch Class 350 DIP Watermain With Polywrap, Fittings, And Valves	210.00	LF	419.82	88,162.20
40	6-Inch Class 350 DIP Watermain W/Polywrap, Fittings, And Valves	114.00	LF	315.68	35,987.52
41	4-inch Class 350 DIP Watermain W/PolyWrap (Included In GMP-002)		LF		
42	Install 12-inch Perma Seal Valve (Included In GMP-002)		EACH		
43	Install 12-inch Inserta Valve Romac Industries Or Approved Equivalent (Included In GMP-002)		EACH		
44	12X12 Cut In Tee (Included In GMP-002)		EACH		
45	Install 16-inch Gate Valve (Included In GMP-002)		EACH		
46	Install 16 X 8 Tee (Included In GMP-002)		EACH		
47	Note 29 Thrust Block Installation @ Intersection (Included In GMP-002)		EACH		
48	Thrust Block On Chandler Blvd	3.00	EACH	2,089.00	6,267.00
49	Concrete Encasement (Included In GMP-002)		LF		
50	Connect To Existing 12-inch Watermain ACP To DIP Transition Coupling (Included In GMP-002)		EACH		
51	Connect To Existing 12-inch Watermain (Included In GMP-002)		EACH		
52	Connect To Existing 8-inch ACP Water Main To DIP Coupling	3.00	EACH	9,538.00	28,614.00
53	Connect To Existing 8-inch PVC Watermain To DIP Transition Coupling (Included In GMP-002)		EACH		
54	Connect To Existing 6" ACP Watermain ACP To DIP Coupling (Included In GMP-002)		EACH		
55	Connect To Existing 6-inch Watermain Not ACP (Included In GMP-002)		EACH		
56	Connect To Existing 4" DIP Main (Included In GMP-002)		EACH		
57	Fire Hydrant Assembly COC Standard Detail C-303 & C-305	2.00	EACH	4,793.00	9,586.00
58	4-inch Bollard Type 1 COC Standard Detail C-105 & Mag Standard Detail 140 (Included In GMP-002)		EACH		
59	1" Type K Soft Copper Service Line COC Standard Detail C-301	62.00	LF	98.90	6,131.80
60	1.5" Copper Service Line COC Standard Detail C-301	119.00	LF	56.80	6,759.20
61	2" Rigid Copper Service Line COC Standard Detail C-301	65.00	LF	68.60	4,459.00
62	Locate & Connect Existing Services	7.00	EACH	1,334.00	9,338.00
63	1" Backflow Preventer & Enclosure COC Standard Detail C-311 (Included In GMP-002)		EACH		
64	1.5" Backflow Preventer & Enclosure COC Standard Detail C-311	1.00	EACH	9,376.00	9,376.00
65	2" Backflow Preventer & Enclosure COC Standard Detail C-302 (Included In GMP-002)		EACH		
66	4-inch Backflow Preventer COC Standard Detail C-315 (Included In GMP-002)		EACH		
67	6" Backflow Preventer And Enclosure COC Standard Detail C-315	1.00	EACH	31,730.00	31,730.00
68	Water Meter Box	3.00	EACH	597.50	1,792.50
69	2" Combo Air Relief Valve	1.00	EACH	7,833.00	7,833.00
70	Temporary Waterline Installation And Removal (Included In GMP-002)		EACH		
71	SRP Engineered Supports (Included In GMP-002)		EACH		
					\$ 2,630,663.75

	General Conditions				
72	General Conditions	3	MO	\$ 95,579.00	\$ 286,737.00
	Subtotal with General Conditions				\$ 2,917,400.75
	8.5% Markup				\$ 247,979.06
	Total with OH&P				\$ 3,165,379.81
	Insurand and Bond on Subtotal of CMAR Direct Work + Overhead & Profit				
	Insurance Cost (1.1%)				\$ 32,091.41
	Bond Cost (1%)				\$ 29,174.01
	Subtotal Bond and Insurance				\$ 61,265.42
	Subtotal Bond and Insurance+ CMAR Direct Work + Overhead & Profit				\$ 3,226,645.23
	Sales Tax (4.83%)				
	Sales Tax (4.83%) (Includes Cost of Insurance and Bond * .0483)				\$ 155,846.96
	Anticipated Material Tax Credit				\$ -
	Combined Total with Insurance, Bonds, & Tax				\$ 3,382,492.19
	ALLOWANCE				
F1	Traffic Control Allowance (Included In GMP-002)	1	AL		
F2	Police Officer (Included In GMP-002)	1	AL		
F3	Quality Control Testing (Included In GMP-002)	1	AL		
F4	Construction Water (Included In GMP-002)	1	AL		
F5	Crack Seal (Included In GMP-002)	1	AL		
F6	Paver Allowance (Included In GMP-002)	1	AL		
F7	Public Outreach (Included In GMP-002)	1	AL		
F8	Survey (Included In GMP-002)	1	AL		
F9	Landscape (Allowance will be GMP-003)	1	AL	\$ 47,160.32	\$ 47,160.32
	Subtotal with Allowances			\$ -	\$ 3,429,652.51
500	Contractors Contingency	1	AL	\$ 188,729.00	\$ 188,729.00
510	Owner's Contingency	1	AL	\$ 200,000.00	\$ 200,000.00
	Subtotal of Contingency			\$ 388,729.00	\$ 3,818,381.51
	ORIGINAL CONTRACT TOTALS				\$ 3,818,381.51



Proposal

Corporate: 11011 N. 23rd Ave. Phoenix, AZ 85029

Office: 623-582-1170|Fax: 623-582-3761

Tucson: 1904 W. Prince Rd. Tucson, AZ 85705

Office: 520-207-8228|Fax: 520-305-3323

AZ Licenses: ROC-089744 A General Contracting

ROC-111282 B-04 General Engineering

Cost Detail

Project Name:	Chandler Dobson Water Install Project	Customer:	City of Chandler
Job Number:	22-4020-02	Bid Number:	W22351
Bid As:	B&F Contracting, Inc.	Billing Address:	Mail Stop 407, P.O. Box 4008 Chandler, AZ 85244 USA
Estimator:	Joshua Onstott	Phone:	4807823310
Project Address:	Chandler Blvd/ Dobson Rd, Chandler, AZ	Contact:	Scott Riter
Completion Date:	11/29/2024		

Pay Items

Description	Quantity	UM	Unit Direct Cost	Total Direct Cost	Unit Price	Total Price	Markup Percent
D 5 - Remove And Replace Disturbed Pavement Markings In Kind	1.00	LS	\$20,429.00	\$20,429.00	\$20,427.76	\$20,427.76	-0.01%
D Striping Replacement	1.00	LS	\$20,429.00	\$20,429.00			
S Subcontracted-Striping	1.00	LF	\$20,429.00	\$20,429.00			
D 6 - Fog Seal Roadway	32,000.00	SY	\$0.52	\$16,500.00	\$0.52	\$16,500.00	0.00%
P Fog Seal	32,000.00	SY	\$0.52	\$16,500.00			
D 7 - Place And Fine Grade ABC Prior To Pavement	1,726.00	SY	\$15.21	\$26,260.09	\$15.21	\$26,252.46	-0.03%
+ Fine Grade Trench	1,726.00	SY	\$15.21	\$26,260.09			
+ Subgrade Preparation (281.72 SY/DY, 6.13 DY)	1,726.00	SY	\$15.21	\$26,260.09			
D 8 - Remove And Replace Curb And Gutter MAG Standard Detail 230	749.00	LF	\$45.76	\$34,272.43	\$45.75	\$34,266.75	-0.02%
D Curb And Gutter Remove & Replacement	749.00	LF	\$45.76	\$34,272.43			
+ CP-Concrete Demo Curb & Gutter Crew (750.00 LF/DY, 1.00 DY)	749.00	LF	\$6.16	\$4,615.20			
+ CP-Concrete Curb & Gutter Crew (165.00 LF/DY, 4.54 DY)	749.00	LF	\$22.59	\$16,916.69			
+ Form, Cure, Stakes	1.00	LS	\$2,249.00	\$2,249.00			
+ Aggregate - ABC MAG Spec	61.60	TON	\$22.00	\$1,355.20			
+ Ready Mix Concrete - MAG B 2500	43.05	CY	\$172.50	\$7,426.13			
+ Trucking (8.53 DY, 0.14 Trucks, 10.98 LF/HR)	749.00	LF	\$1.75	\$1,310.22			
+ Dump Fee - Concrete	4.00	LOAD	\$100.00	\$400.00			
D 9 - Remove And Replace Sidewalk MAG Standard Detail 230	989.00	SF	\$35.26	\$34,867.53	\$35.25	\$34,862.25	-0.02%
D Remove And Replace Concrete Sidewalk	989.00	SF	\$35.26	\$34,867.53			
+ CP-Concrete Demo Sidewalk Crew (650.00 SF/DY, 1.52 DY)	989.00	SF	\$5.20	\$5,142.31			
+ Subgrade Preparation (469.44 SY/DY, 2.11 DY)	989.00	SY	\$9.13	\$9,030.02			
+ CP-Concrete Sidewalk Crew (200.00 SF/DY, 4.95 DY)	989.00	SF	\$17.03	\$16,840.30			
+ Forms, Cure, Stakes	1.00	LS	\$1,170.00	\$1,170.00			
+ Aggregate - ABC MAG Spec	18.70	TON	\$22.00	\$411.40			
+ Ready Mix Concrete - MAG B 2500	12.60	CY	\$172.50	\$2,173.50			
+ Dump Fee - Concrete	1.00	LOAD	\$100.00	\$100.00			
D 10 - Sawcut, Remove, And Replace Pavement MAG Standard Detail 200-1 & 200-2	1,726.00	SY	\$111.86	\$193,063.01	\$111.85	\$193,053.10	-0.01%
D Remove Existing AC Trench Paving	1,726.00	SY	\$31.16	\$53,774.81			

Description		Quantity	UM	Unit Direct Cost	Total Direct Cost	Unit Price	Total Price	Markup Percent
(Item 10 - Sawcut, Remove, And Replace Pavement MAG Standard Detail 200-1 & 200-2 continued)								
 CP-Sawcutting Large Crew (291.00 SY/DY, 5.93 DY)		1,726.00	SY	\$9.94	\$17,151.34			
 CP-Asphalt Demo Crew (291.00 SY/DY, 5.93 DY)		1,726.00	SY	\$21.22	\$36,623.47			
 Replace AC Trench Paving		1,726.00	SY	\$80.70	\$139,288.20			
 Furnish & Install Trench Patching		1,726.00	SY	\$80.70	\$139,288.20			
 Sub AC Paver (P1 Paving & Construction)		1,726.00	SY	\$80.70	\$139,288.20			
 11 - Remove And Replace Sidewalk Ramp In Kind - Identified In Potholing		1.00	EACH	\$8,209.50	\$8,209.50	\$8,209.00	\$8,209.00	-0.01%
 Chandler Blvd		1.00	EACH	\$8,209.50	\$8,209.50			
 CP-Concrete Fine Grade Crew (3.33 EACH/DY, 0.30 DY)		1.00	EACH	\$738.55	\$738.55			
 CP-Concrete Demo Ramp Crew (2.50 EACH/DY, 0.40 DY)		1.00	EACH	\$1,868.51	\$1,868.51			
 CP-Concrete Ramp Crew (0.78 EACH/DY, 1.29 DY)		1.00	EACH	\$3,606.99	\$3,606.99			
 Form Work , Cure, Tactile Warning Strips		1.00	LS	\$500.00	\$500.00			
 Aggregate - ABC MAG Spec		8.80	TON	\$22.00	\$193.60			
 Ready Mix Concrete - MAG A 3000		4.73	CY	\$175.50	\$829.24			
 Trucking (1.00 DY, 0.35 Trucks, 0.13 EACH/HR)		1.00	EACH	\$372.60	\$372.60			
 Dump Fee - Concrete		1.00	LOAD	\$100.00	\$100.00			
 12 - Remove & Replace Median		71.00	LF	\$183.54	\$13,031.24	\$183.53	\$13,030.63	-0.00%
 Chandler Blvd		71.00	LF	\$183.54	\$13,031.24			
 CP-Concrete Fine Grade Crew (35.50 EACH/DY, 2.00 DY)		71.00	EACH	\$69.35	\$4,923.68			
 CP-Concrete Demo Ramp Crew (142.00 EACH/DY, 0.50 DY)		71.00	EACH	\$32.90	\$2,335.64			
 CP-Concrete Ramp Crew (47.33 EACH/DY, 1.50 DY)		71.00	EACH	\$52.49	\$3,726.48			
 Form Work , Cure, Tactile Warning Strips		1.00	LS	\$250.00	\$250.00			
 Aggregate - ABC MAG Spec		5.50	TON	\$22.00	\$121.00			
 Ready Mix Concrete - MAG A 3000		4.73	CY	\$175.50	\$829.24			
 Trucking (1.00 DY, 0.69 Trucks, 0.25 EACH/HR)		2.00	EACH	\$372.60	\$745.20			
 Dump Fee - Concrete		1.00	LOAD	\$100.00	\$100.00			
 13 - Remove And Replace Valley Gutter & Apron Standard Detail 240		240.00	SF	\$62.51	\$15,002.13	\$62.51	\$15,002.40	0.00%
 Chandler Blvd		240.00	SF	\$62.51	\$15,002.13			
 CP-Concrete Valley Gutter Crew (163.56 SF/DY, 1.47 DY)		240.00	SF	\$23.16	\$5,559.42			
 CP-Concrete Demo Valley Gutter Crew (336.00 SF/DY, 0.71 DY)		240.00	SF	\$16.24	\$3,896.63			
 CP-Sawcutting Small Crew (368.00 LF/DY, 0.65 DY)		240.00	LF	\$5.11	\$1,227.44			
 Material Per Bid Item		1.00	LS	\$652.00	\$652.00			
 Aggregate - ABC MAG Spec		0.00	TON	\$22.00	\$0.00			
 Ready Mix Concrete - MAG A 3000		0.00	CY	\$175.50	\$0.00			
 Subgrade Preparation (280.56 SY/DY, 0.86 DY)		240.00	SY	\$15.28	\$3,666.64			
 14 - Replace Concrete Bus Bay COC Standard		235.00	SF	\$65.22	\$15,327.17	\$65.22	\$15,326.70	-0.00%
 Trucking (2.00 DY, 0.36 Trucks, 14.69 SF/HR)		235.00	SF	\$3.33	\$781.79			
 Dump Fee - Concrete		0.00	LOAD	\$100.00	\$0.00			
 Chandler Blvd		235.00	SF	\$58.97	\$13,857.16			
 CP-Concrete Valley Gutter Crew (163.57 SF/DY, 1.44 DY)		235.00	SF	\$23.16	\$5,443.12			
 CP-Concrete Demo Valley Gutter Crew (500.00 SF/DY, 0.47 DY)		235.00	SF	\$10.91	\$2,563.98			
 Subgrade Preparation (250.00 SY/DY, 0.94 DY)		235.00	SY	\$17.14	\$4,029.07			
 Concrete Consumables		1.00	LS	\$250.00	\$250.00			
 Aggregate - ABC MAG Spec		4.40	TON	\$22.00	\$96.80			
 Ready Mix Concrete - MAG A 3000		8.40	CY	\$175.50	\$1,474.20			

Description		Quantity	UM	Unit Direct Cost	Total Direct Cost	Unit Price	Total Price	Markup Percent
(Item 14 - Replace Concrete Bus Bay COC Standard continued)								
	CP-Sawcutting Small Crew (642.67 LF/DY, 0.37 DY)	235.00	LF	\$2.93	\$688.21			
	Eco Pan	0.00	LOAD	\$350.00	\$0.00			
D	15 - Abandon In Place 12-inch ACP Watermain W/Grout MAG Std Spec 350	2,951.00	LF	\$28.92	\$85,332.84	\$28.91	\$85,313.41	-0.02%
	Chandler Blvd Sta 33+00 To 38+00	500.00	LF	\$28.82	\$14,412.42			
	WL-Abandonment Crew (162.50 LF/DY, 3.08 DY)	500.00	LF	\$16.58	\$8,289.72			
	Miscellaneous-Materials	1.00	LS	\$500.00	\$500.00			
	Grout - Mix	15.25	TON	\$196.00	\$2,988.22			
	Grout Pump	1.00	EACH	\$1,600.00	\$1,600.00			
	Grout Crew	1.00	EACH	\$1,034.48	\$1,034.48			
	Grouting Crew	1.00	EACH	\$1,034.48	\$1,034.48			
	Chandler Blvd Sta 38+00 To 42+50	450.00	LF	\$29.49	\$13,270.63			
	WL-Abandonment Crew (162.50 LF/DY, 2.77 DY)	450.00	LF	\$16.58	\$7,460.75			
	Miscellaneous-Materials	1.00	LS	\$500.00	\$500.00			
	Grout - Mix	13.65	TON	\$196.00	\$2,675.40			
	Grout Pump	1.00	EACH	\$1,600.00	\$1,600.00			
	Grout Crew	1.00	EACH	\$1,034.48	\$1,034.48			
	Grouting Crew	1.00	EACH	\$1,034.48	\$1,034.48			
	Chandler Blvd Sta 42+50 To 47+50	500.00	LF	\$29.02	\$14,511.20			
	WL-Abandonment Crew (162.50 LF/DY, 3.08 DY)	500.00	LF	\$16.58	\$8,289.72			
	Miscellaneous-Materials	1.00	LS	\$500.00	\$500.00			
	Grout - Mix	15.75	TON	\$196.00	\$3,087.00			
	Grout Pump	1.00	EACH	\$1,600.00	\$1,600.00			
	Grout Crew	1.00	EACH	\$1,034.48	\$1,034.48			
	Grouting Crew	1.00	EACH	\$1,034.48	\$1,034.48			
	Chandler Blvd 47+50 To 52+50	500.00	LF	\$28.20	\$14,099.60			
	WL-Abandonment Crew (162.50 LF/DY, 3.08 DY)	500.00	LF	\$16.58	\$8,289.72			
	Miscellaneous-Materials	1.00	LS	\$500.00	\$500.00			
	Grout - Mix	13.65	TON	\$196.00	\$2,675.40			
	Grout Pump	1.00	EACH	\$1,600.00	\$1,600.00			
	Grouting Crew	1.00	EACH	\$1,034.48	\$1,034.48			
	Chandler Blvd 52+50 To 57+50	570.00	LF	\$28.22	\$16,083.36			
	WL-Abandonment Crew (162.50 LF/DY, 3.51 DY)	570.00	LF	\$16.58	\$9,450.28			
	Miscellaneous-Materials	1.00	LS	\$500.00	\$500.00			
	Grout - Mix	17.85	TON	\$196.00	\$3,498.60			
	Grout Pump	1.00	EACH	\$1,600.00	\$1,600.00			
	Grouting Crew	1.00	EACH	\$1,034.48	\$1,034.48			
	Chandler Blvd Sta 57+50 To 62+00	431.00	LF	\$30.06	\$12,955.62			
	WL-Abandonment Crew (162.50 LF/DY, 2.65 DY)	431.00	LF	\$16.58	\$7,145.74			
	Miscellaneous-Materials	1.00	LS	\$500.00	\$500.00			
	Grout - Mix	13.65	TON	\$196.00	\$2,675.40			
	Grout Pump	1.00	EACH	\$1,600.00	\$1,600.00			
	Grouting Crew	1.00	EACH	\$1,034.48	\$1,034.48			
D	17 - Abandon In Place 8-inch ACP Watermain W/Grout MAG Std Spec 350	66.00	LF	\$82.87	\$5,469.32	\$82.86	\$5,468.76	-0.01%
	Chandler Blvd W7 Sta 28+00 To Sta 33+00	40.00	LF	\$77.74	\$3,109.42			
	WL-Abandonment Crew (162.50 LF/DY, 0.25 DY)	40.00	LF	\$16.58	\$663.18			
	Miscellaneous-Materials	1.00	LS	\$100.00	\$100.00			
	Grout - Mix	5.25	TON	\$196.00	\$1,029.00			
	Grout Pump	1.00	EACH	\$800.00	\$800.00			
	Grouting Crew	1.00	EACH	\$517.24	\$517.24			
	Chandler Blvd W2	20.00	LF	\$97.73	\$1,954.63			
	WL-Abandonment Crew (162.50 LF/DY, 0.12 DY)	20.00	LF	\$16.58	\$331.59			

Description	Quantity	UM	Unit Direct Cost	Total Direct Cost	Unit Price	Total Price	Markup Percent
(Item 17 - Abandon In Place 8-inch ACP Watermain W/Grout MAG Std Spec 350 continued)							
 Miscellaneous-Materials	1.00	LS	\$100.00	\$100.00			
 Grout - Mix	1.05	TON	\$196.00	\$205.80			
 Grout Pump	1.00	EACH	\$800.00	\$800.00			
 Grouting Crew	1.00	EACH	\$517.24	\$517.24			
 Chandler Blvd W5	6.00	LF	\$67.55	\$405.28			
 WL-Abandonment Crew (162.50 LF/DY, 0.04 DY)	6.00	LF	\$16.58	\$99.48			
 Miscellaneous-Materials	1.00	LS	\$100.00	\$100.00			
 Grout - Mix	1.05	TON	\$196.00	\$205.80			
D 19 - Abandon In Place 6-Inch ACP Watermain W/Grout MAG Std Spec 350	89.00	LF	\$64.44	\$5,735.28	\$64.44	\$5,735.16	-0.00%
 Chandler Sta 33+00 To Sta 38+00	9.00	LF	\$156.84	\$1,411.54			
 WL-Abandonment Crew (200.00 LF/DY, 0.04 DY)	7.00	LF	\$13.47	\$94.30			
 Grout Pump	1.00	EACH	\$800.00	\$800.00			
 Grouting Crew	1.00	EACH	\$517.24	\$517.24			
 Chandler Blvd Sta 47+50 To Sta 52+50	19.00	LF	\$98.89	\$1,878.99			
 WL-Abandonment Crew (200.00 LF/DY, 0.10 DY)	19.00	LF	\$13.47	\$255.95			
 Miscellaneous-Materials	1.00	LS	\$100.00	\$100.00			
 Grout - Mix	1.05	TON	\$196.00	\$205.80			
 Grout Pump	1.00	EACH	\$800.00	\$800.00			
 Grouting Crew	1.00	EACH	\$517.24	\$517.24			
 Chandler Blvd Sta 71+00 To Sta 76+00	61.00	LF	\$40.08	\$2,444.76			
 WL-Abandonment Crew (200.00 LF/DY, 0.31 DY)	61.00	LF	\$13.47	\$821.72			
 Miscellaneous-Materials	1.00	LS	\$100.00	\$100.00			
 Grout - Mix	1.05	TON	\$196.00	\$205.80			
 Grout Pump	1.00	EACH	\$800.00	\$800.00			
 Grouting Crew	1.00	EACH	\$517.24	\$517.24			
D 20 - Abandon 12-Inch Gate Valve In Closed Position MAG Std Det 350	3.00	EACH	\$851.04	\$2,553.13	\$850.99	\$2,552.97	-0.01%
 Chandler Blvd Sta 42+50 To Sta 47+50	1.00	EACH	\$851.04	\$851.04			
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.20 DY)	1.00	EACH	\$722.94	\$722.94			
 Ready Mix - Slurry ABC Slurry 1/2 Sack	1.05	YARD	\$122.00	\$128.10			
 Chandler Blvd Sta 47+50 To Sta 52+50	1.00	EACH	\$851.04	\$851.04			
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.20 DY)	1.00	EACH	\$722.94	\$722.94			
 Ready Mix - Slurry ABC Slurry 1/2 Sack	1.05	YARD	\$122.00	\$128.10			
 Chandler Blvd Sta 57+50 To Sta 62+00	1.00	EACH	\$851.04	\$851.04			
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.20 DY)	1.00	EACH	\$722.94	\$722.94			
 Ready Mix - Slurry ABC Slurry 1/2 Sack	1.05	YARD	\$122.00	\$128.10			
 Concrete - Short Load Fee	0.00	EACH	\$200.00	\$0.00			
D 21 - Abandon 8-Inch Gate Valve In Closed Position Standard Detail 350	7.00	EACH	\$879.62	\$6,157.31	\$879.56	\$6,156.92	-0.01%
 Chandler Blvd Sta 33+00 To Sta 38+00	1.00	EACH	\$722.94	\$722.94			
 WL-Abandon Crew (5.00 EACH/DY, 0.20 DY)	1.00	EACH	\$722.94	\$722.94			
 Chandler Blvd Sta 42+50 To Sta 47+50	3.00	EACH	\$722.94	\$2,168.83			
 WL-Abandon Crew (5.00 EACH/DY, 0.60 DY)	3.00	EACH	\$722.94	\$2,168.83			
 Chandler Blvd Sta 47+50 To Sta 52+50	3.00	EACH	\$722.94	\$2,168.83			
 WL-Abandon Crew (5.00 EACH/DY, 0.60 DY)	3.00	EACH	\$722.94	\$2,168.83			
 Ready Mix - Slurry ABC Slurry 1/2 Sack	7.35	YARD	\$122.00	\$896.70			
 Concrete - Short Load Fee	1.00	EACH	\$200.00	\$200.00			
D 22 - Abandon 6-inch Gate Valve In Closed Position MAG Standard Detail 350	4.00	EACH	\$921.04	\$3,684.18	\$920.99	\$3,683.96	-0.01%
 Chandler Blvd Sta 47+50 To Sta 52+50	1.00	EACH	\$722.94	\$722.94			
 WL-Abandon Crew (5.00 EACH/DY, 0.20 DY)	1.00	EACH	\$722.94	\$722.94			
 Chandler Blvd Sta 52+50 To Sta 57+50	1.00	EACH	\$722.94	\$722.94			
 WL-Abandon Crew (5.00 EACH/DY, 0.20 DY)	1.00	EACH	\$722.94	\$722.94			
 Chandler Blvd Sta 57+50 To Sta 62+00	2.00	EACH	\$722.94	\$1,445.89			

Description	Quantity	UM	Unit Direct Cost	Total Direct Cost	Unit Price	Total Price	Markup Percent
(Item 22 - Abandon 6-inch Gate Valve In Closed Position MAG Standard Detail 350 continued)							
 WL-Abandon Crew (5.00 EACH/DY, 0.40 DY)	2.00	EACH	\$722.94	\$1,445.89			
 Ready Mix - Slurry ABC Slurry 1/2 Sack	4.20	YARD	\$122.00	\$512.40			
 Concrete - Short Load Fee	1.40	EACH	\$200.00	\$280.00			
D 23 - Abandon In Place Water Service Line	171.00	LF	\$13.87	\$2,371.82	\$13.87	\$2,371.77	-0.00%
 Chandler Blvd Sta 28+00 To Sta 33+00	14.00	LF	\$13.01	\$182.12			
 WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.04 DY)	14.00	LF	\$10.59	\$148.24			
 Aggregate - ABC MAG Spec	1.54	TON	\$22.00	\$33.88			
 Chandler Blvd Sta 33+00 To Sta 38+00	49.00	LF	\$12.07	\$591.19			
 WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.14 DY)	49.00	LF	\$10.59	\$518.83			
 Aggregate - ABC MAG Spec	3.29	TON	\$22.00	\$72.36			
 Chandler Blvd Sta 47+50 To Sta 52+50	57.00	LF	\$12.07	\$688.24			
 WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.16 DY)	57.00	LF	\$10.59	\$603.54			
 Aggregate - ABC MAG Spec	3.85	TON	\$22.00	\$84.70			
 Chandler Blvd Sta 52+50 To Sta 57+50	54.00	LF	\$11.93	\$644.37			
 WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.15 DY)	54.00	LF	\$10.59	\$571.77			
 Aggregate - ABC MAG Spec	3.30	TON	\$22.00	\$72.60			
 Chandler Blvd Sta 578+50 To Sta 62+00	21.00	LF	\$12.66	\$265.92			
 WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.06 DY)	21.00	LF	\$10.59	\$222.36			
 Aggregate - ABC MAG Spec	1.98	TON	\$22.00	\$43.56			
D 24 - Remove Existing Water Meter Box & Salvage Meter To City	2.00	EACH	\$920.04	\$1,840.09	\$919.99	\$1,839.98	-0.01%
 Chandler Blvd Sta 52+50 To Sta 57+50	2.00	EACH	\$785.04	\$1,570.09			
 WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.40 DY)	2.00	EACH	\$722.94	\$1,445.89			
 Material Per Bid Item	1.00	LS	\$100.00	\$100.00			
 Aggregate - ABC MAG Spec	1.10	TON	\$22.00	\$24.20			
 Trucking (1.00 DY, 0.25 Trucks, 0.25 EACH/HR)	2.00	EACH	\$135.00	\$270.00			
D 25 - Remove Existing Hydrant Assembly	2.00	EACH	\$1,527.51	\$3,055.01	\$1,527.41	\$3,054.82	-0.01%
 Chandler Blvd Sta 52+50 To Sta 57+50	2.00	EACH	\$1,527.51	\$3,055.01			
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.67 DY)	2.00	EACH	\$1,204.91	\$2,409.81			
 Material Per Bid Item	2.00	LS	\$250.00	\$500.00			
 Aggregate - ABC MAG Spec	6.60	TON	\$22.00	\$145.20			
 Trucking (1.00 DY, 0.00 Trucks, 0.00 EACH/HR)	0.00	EACH	\$0.00	\$0.00			
D 28 - Cut & Plug 6-inch Watermain	2.00	EACH	\$3,515.33	\$7,030.66	\$3,515.12	\$7,030.24	-0.01%
 Chandler Blvd Sta 33+00 To Sta 38+00	2.00	EACH	\$2,793.56	\$5,587.12			
 Aggregate - ABC MAG Spec	2.20	TON	\$22.00	\$48.40			
 WL- Waterline Crew (2.00 EACH/DY, 1.00 DY)	2.00	EACH	\$2,769.36	\$5,538.72			
 Material Per Bid Item Caps, Piping, DIP And Long Body	2.00	LS	\$495.15	\$990.30			
 Ready Mix Concrete	10.50	BAG	\$7.68	\$80.64			
 Trucking (3.50 DY, 0.10 Trucks, 0.07 EACH/HR)	2.00	EACH	\$186.30	\$372.60			
D 29 - Cut & Plug 8-inch Watermain	8.00	EACH	\$3,528.18	\$28,225.44	\$3,527.97	\$28,223.76	-0.01%
 Chandler Blvd Sta 33+00 To Sta 38+00	3.00	EACH	\$2,793.56	\$8,380.68			
 Aggregate - ABC MAG Spec	3.30	TON	\$22.00	\$72.60			
 WL- Waterline Crew (2.00 EACH/DY, 1.50 DY)	3.00	EACH	\$2,769.36	\$8,308.08			
 Chandler Blvd Sta 57+50 To Sta 62+00	5.00	EACH	\$2,793.56	\$13,967.80			
 Aggregate - ABC MAG Spec	5.50	TON	\$22.00	\$121.00			
 WL- Waterline Crew (2.00 EACH/DY, 2.50 DY)	5.00	EACH	\$2,769.36	\$13,846.80			
 Material Per Bid Item Caps, Piping, DIP And Long Body	8.00	LS	\$433.00	\$3,464.00			
 Ready Mix Concrete	42.00	BAG	\$7.68	\$322.56			
 Dump Fee - Dirt	8.00	LOAD	\$75.00	\$600.00			
 Trucking (4.00 DY, 0.35 Trucks, 0.25 EACH/HR)	8.00	EACH	\$186.30	\$1,490.40			

Description		Quantity	UM	Unit Direct Cost	Total Direct Cost	Unit Price	Total Price	Markup Percent
<i>(Item 30 - Cut & Plug 12-inch Watermain continued)</i>								
D	30 - Cut & Plug 12-inch Watermain	4.00	EACH	\$5,079.87	\$20,319.47	\$5,079.56	\$20,318.24	-0.01%
	 Chandler Blvd Sta 100 To 102 W1	4.00	EACH	\$3,423.64	\$13,694.57			
	 WL- Waterline Crew (2.00 EACH/DY, 2.00 DY)	4.00	EACH	\$3,405.49	\$13,621.97			
	 Aggregate - ABC MAG Spec	3.30	TON	\$22.00	\$72.60			
	 Material Per Bid Item Caps, Piping, DIP And Long Body	3.00	LS	\$1,555.50	\$4,666.50			
	 Trucking (1.00 DY, 1.38 Trucks, 0.50 EACH/HR)	4.00	EACH	\$372.60	\$1,490.40			
	 Dump Fee - Dirt	4.00	LOAD	\$75.00	\$300.00			
	 Ready Mix Concrete	21.00	BAG	\$8.00	\$168.00			
D	31 - Remove 12-inch Gate Valve Backfill With 1/2 Sack CLSM	2.00	EACH	\$1,952.48	\$3,904.96	\$1,952.36	\$3,904.72	-0.01%
	 Chandler Blvd Sta 28+00 To Sta 33+00	2.00	EACH	\$1,952.48	\$3,904.96			
	 WL-Water Service Box & Cover Crew (4.00 EACH/DY, 0.50 DY)	2.00	EACH	\$961.98	\$1,923.96			
	 Material Per Bid Item	2.00	LS	\$350.00	\$700.00			
	 Ready Mix - Slurry ABC Slurry 1/2 Sack	10.50	YARD	\$122.00	\$1,281.00			
D	33 - Remove 8-inch Gate Valve Backfill With 1/2 Sack CLSM	2.00	EACH	\$1,799.68	\$3,599.36	\$1,799.57	\$3,599.14	-0.01%
	 Chandler Blvd Sta 28+00 To Sta 33+00	2.00	EACH	\$1,799.68	\$3,599.36			
	 WL-Water Service Box & Cover Crew (4.00 EACH/DY, 0.50 DY)	2.00	EACH	\$939.18	\$1,878.36			
	 Material Per Bid Item	2.00	LS	\$220.00	\$440.00			
	 Ready Mix - Slurry ABC Slurry 1/2 Sack	10.50	YARD	\$122.00	\$1,281.00			
D	38 - 12-Inch Class 350 DIP Watermain W/Polywrap, Valves, Fittings, Vertical/Horizontal Alignment's, & Gate Valves Misc.	7,372.00	LF	\$248.04	\$1,828,529.31	\$248.02	\$1,828,403.44	-0.01%
	 Watermain Installation Chandler Blvd	7,372.00	LF	\$237.43	\$1,750,335.87			
	 Dig Lay Backfill 12-inch DIP	7,372.00	LF	\$181.22	\$1,335,959.99			
	 12" Mainline (99.66 LF/DY, 74.00 DY)	7,375.00	LF	\$101.45	\$748,205.12			
	 Hyrdo Ex Support (1.00 DY/DY, 10.00 DY)	10.00	DY	\$2,465.79	\$24,657.90			
	 Material Handling (Pipe, AB, Haul Off) (100.00 LF/DY, 73.72 DY)	7,372.00	LF	\$16.26	\$119,848.08			
	 Trucking (73.00 DY, 2.05 Trucks, 12.62 LF/HR)	7,372.00	LF	\$21.92	\$161,576.89			
	 Aggregate - ABC MAG Spec	8,426.00	TON	\$22.00	\$185,372.00			
	 Dump Fee - Dirt	434.00	LOAD	\$75.00	\$32,550.00			
	 Utility Conflicts	81.00	EACH	\$1,972.74	\$159,791.62			
	 Existing Utility Conflicts (6.00 EACH/DY, 13.50 DY)	81.00	EACH	\$1,685.15	\$136,496.88			
	 Hyrdo Ex Support (1.67 DY/DY, 6.00 DY)	10.00	DY	\$1,479.47	\$14,794.74			
	 Chandler Blvd Vert Realignments	5.00	EACH	\$31,601.18	\$158,005.90			
	 Vertical Realignment (0.42 EACH/DY, 12.00 DY)	5.00	EACH	\$20,870.40	\$104,352.00			
	 Ready Mix - Slurry ABC Slurry 1/2 Sack	168.00	YARD	\$122.00	\$20,496.00			
	 Hyrdo Ex Support (1.00 DY/DY, 10.00 DY)	10.00	DY	\$2,465.79	\$24,657.90			
	 Install 12-Inch Gate Valve	38.00	EACH	\$2,541.54	\$96,578.36			
	 WL-Gate Valve 12in Appurtenance Crew (4.00 EACH/DY, 9.50 DY)	38.00	EACH	\$2,527.72	\$96,053.36			
	 Cement - Concrete Mix 60#	75.00	BAG	\$7.00	\$525.00			
	 Material Per Bid Item	0.00	LS	\$527,966.28	\$0.00			
	 GC-Chlorine & Pressure Test	12.00	DY	\$4,553.79	\$54,645.44			
	 GC-Chlorine & Pressure Test Crew (1.00 DY/DY, 12.00 DY)	12.00	DY	\$3,937.12	\$47,245.44			
	 Chlorine And Dechlorine	1.00	EACH	\$5,000.00	\$5,000.00			
	 Vertical Realignment	0.00	LS	\$20,630.12	\$0.00			
	 GC-Combo Hydro Truck Crew (4.00 EACH/DY, 2.50 DY)	10.00	EACH	\$684.70	\$6,847.00			
	 RH-Manhole Adjust Crew (4.00 EACH/DY, 9.50 DY)	38.00	EACH	\$439.50	\$16,701.00			
D	39 - 8-inch Class 350 DIP Watermain With Polywrap, Fittings, And Valves	210.00	LF	\$419.84	\$88,166.62	\$419.82	\$88,162.20	-0.01%
	 WL- Waterline Crew (49.78 LF/DY, 4.22 DY)	210.00	LF	\$156.17	\$32,795.89			

Description	Quantity	UM	Unit Direct Cost	Total Direct Cost	Unit Price	Total Price	Markup Percent
(Item 39 - 8-inch Class 350 DIP Watermain With Polywrap, Fittings, And Valves continued)							
 WL-Gate Valve 8in Appurtenance Crew (4.00 EACH/DY, 1.50 DY)	6.00	EACH	\$1,943.46	\$11,660.76			
 Vertical Realignment (1.00 EACH/DY, 4.00 DY)	4.00	EACH	\$7,773.84	\$31,095.36			
 Material Per Bid Item	0.00	LS	\$39,453.00	\$0.00			
 Aggregate - ABC MAG Spec	134.20	TON	\$22.00	\$2,952.40			
 Ready Mix - Slurry ABC Slurry 1/2 Sack	7.88	YARD	\$122.00	\$960.75			
 Cement - Concrete Mix 60#	10.00	BAG	\$8.00	\$80.00			
 Vertical Realignment	0.00	LS	\$7,825.28	\$0.00			
 Trucking (5.00 DY, 0.56 Trucks, 5.25 LF/HR)	210.00	LF	\$14.33	\$3,009.46			
 Dump Fee - Dirt	7.00	LOAD	\$75.00	\$525.00			
 RH-Manhole Adjust Crew (4.00 EACH/DY, 1.50 DY)	6.00	EACH	\$439.50	\$2,637.00			
D 40 - 6-Inch Class 350 DIP Watermain W/Polywrap, Fittings, And Valves	114.00	LF	\$315.70	\$35,989.56	\$315.68	\$35,987.52	-0.01%
 WL- Waterline Crew (36.25 LF/DY, 3.14 DY)	114.00	LF	\$210.63	\$24,012.14			
 WL-Gate Valve 6in Appurtenance Crew (6.00 EACH/DY, 0.67 DY)	4.00	EACH	\$1,275.92	\$5,103.68			
 Vertical Realignment (1.00 EACH/DY, 0.00 DY)	0.00	EACH	\$0.00	\$0.00			
 RH-Manhole Adjust Crew (4.00 EACH/DY, 1.00 DY)	4.00	EACH	\$439.50	\$1,758.00			
 Material Per Bid Item	0.00	LS	\$56,958.31	\$0.00			
 Aggregate - ABC MAG Spec	84.18	TON	\$22.00	\$1,852.03			
 Ready Mix - Slurry ABC Slurry 1/2 Sack	0.00	YARD	\$122.00	\$0.00			
 Cement - Concrete Mix 60#	20.00	BAG	\$8.00	\$160.00			
 Trucking (4.00 DY, 0.38 Trucks, 3.56 LF/HR)	114.00	LF	\$14.33	\$1,633.71			
 Dump Fee - Dirt	2.00	LOAD	\$75.00	\$150.00			
 Vertical Realignment	0.00	LS	\$4,364.20	\$0.00			
D 48 - Thrust Block On Chandler Blvd	3.00	EACH	\$2,089.04	\$6,267.11	\$2,088.91	\$6,266.73	-0.01%
 Thrust Blocks (3'0"x1'8"x2'0")	3.00	EACH	\$1,889.04	\$5,667.11			
 Ready Mix Concrete - MAG B 2500	3.15	CY	\$172.50	\$543.38			
 Rebar - # 4 (1/2in) 10ft	3.30	EACH	\$50.00	\$165.00			
 CP-Concrete Replace Crew (2.00 EACH/DY, 1.50 DY)	3.00	EACH	\$1,595.68	\$4,787.04			
 Material Per Bid Item	3.00	LS	\$57.23	\$171.69			
 Concrete - Short Load Fee	3.00	EACH	\$200.00	\$600.00			
D 52 - Connect To Existing 8-inch ACP Water Main To DIP Coupling	3.00	EACH	\$9,538.58	\$28,615.74	\$9,538.00	\$28,614.00	-0.01%
 WL- Waterline Crew (1.50 EACH/DY, 2.00 DY)	3.00	EACH	\$4,755.32	\$14,265.97			
 GC-Combo Hydro Truck Crew (2.00 EACH/DY, 1.50 DY)	3.00	EACH	\$1,369.40	\$4,108.20			
 Material Per Bid Item	3.00	LS	\$1,547.89	\$4,643.67			
 Ready Mix - Slurry ABC Slurry 1/2 Sack	22.05	YARD	\$122.00	\$2,690.10			
 Cement - Concrete Mix 60#	30.00	BAG	\$8.00	\$240.00			
 Trucking (3.00 DY, 0.35 Trucks, 0.13 EACH/HR)	3.00	EACH	\$372.60	\$1,117.80			
 Dump Fee - Dirt [3]	0.00	LOAD	\$75.00	\$0.00			
D 57 - Fire Hydrant Assembly COC Standard Detail C-303 & C-305	2.00	EACH	\$4,793.68	\$9,587.36	\$4,793.39	\$9,586.78	-0.01%
 WL- Fire Hydrant Domestic Water Wet Barrel Crew (1.00 EACH/DY, 2.00 DY)	2.00	EACH	\$4,745.28	\$9,490.56			
 Material Per Bid Item	0.00	LS	\$38,664.00	\$0.00			
 Aggregate - ABC MAG Spec	4.40	TON	\$22.00	\$96.80			
D 59 - 1" Type K Soft Copper Service Line COC Standard Detail C-301	62.00	LF	\$98.91	\$6,132.26	\$98.90	\$6,131.80	-0.01%
 WL-Water Service 1in W/ Box & Cover Crew (50.57 LF/DY, 1.23 DY)	62.00	LF	\$93.83	\$5,817.66			
 Material Per Bid Item	0.00	LS	\$6,613.00	\$0.00			
 Aggregate - ABC MAG Spec	14.30	TON	\$22.00	\$314.60			
D 60 - 1.5" Copper Service Line COC Standard Detail C-301	119.00	LF	\$56.79	\$6,758.27	\$56.79	\$6,758.01	-0.00%
 WL-Water Service 1.5in W/ Box & Cover Crew (89.50 LF/DY, 1.33 DY)	119.00	LF	\$51.71	\$6,153.27			
 Material Per Bid Item	0.00	LS	\$24,635.32	\$0.00			

Description	Quantity	UM	Unit Direct Cost	Total Direct Cost	Unit Price	Total Price	Markup Percent
 Aggregate - ABC MAG Spec	27.50	TON	\$22.00	\$605.00			
D 61 - 2" Rigid Copper Service Line COC Standard Detail C-301	65.00	LF	\$68.61	\$4,459.52	\$68.60	\$4,459.00	-0.01%
 WL-Water Service 2in W/ Box & Cover Crew (73.00 LF/DY, 0.89 DY)	65.00	LF	\$63.40	\$4,120.72			
 Material Per Bid Item	0.00	LS	\$10,395.00	\$0.00			
 Aggregate - ABC MAG Spec	15.40	TON	\$22.00	\$338.80			
D 62 - Locate & Connect Existing Services	7.00	EACH	\$1,334.03	\$9,338.19	\$1,333.95	\$9,337.65	-0.01%
 WL- Waterline Crew (3.00 EACH/DY, 2.33 DY)	7.00	EACH	\$1,234.83	\$8,643.79			
 Material Per Bid Item	7.00	LS	\$75.00	\$525.00			
 Aggregate - ABC MAG Spec	7.70	TON	\$22.00	\$169.40			
D 64 - 1.5" Backflow Preventer & Enclosure COC Standard Detail C-311	1.00	EACH	\$9,376.65	\$9,376.65	\$9,376.07	\$9,376.07	-0.01%
 Backflow Preventer Small (1.00 EACH/DY, 1.00 DY)	1.00	EACH	\$4,627.88	\$4,627.88			
 CP-Concrete Sidewalk Crew (1.00 EACH/DY, 1.00 DY)	1.00	EACH	\$2,459.04	\$2,459.04			
 Material Per Bid Item	1.00	LS	\$1,636.00	\$1,636.00			
 Aggregate - ABC MAG Spec	3.30	TON	\$22.00	\$72.60			
 Subcontracted-Certification	1.00	DY	\$150.00	\$150.00			
 Material Per Bid Item Concrete	1.00	LS	\$50.00	\$50.00			
 Ready Mix Concrete - MAG B 2500	1.05	CY	\$172.50	\$181.13			
 Concrete - Short Load Fee	1.00	EACH	\$200.00	\$200.00			
D 67 - 6" Backflow Preventer And Enclosure COC Standard Detail C-315	1.00	EACH	\$31,731.87	\$31,731.87	\$31,729.94	\$31,729.94	-0.01%
 WL-Double Check Backflow Preventer 6in Appurtenance Crew (0.50 EACH/DY, 2.00 DY)	1.00	EACH	\$12,831.84	\$12,831.84			
 CP-Concrete Sidewalk Crew (0.50 EACH/DY, 2.00 DY)	1.00	EACH	\$4,918.08	\$4,918.08			
 Material Per Bid Item	1.00	LS	\$12,512.25	\$12,512.25			
 Aggregate - ABC MAG Spec	6.60	TON	\$22.00	\$145.20			
 Subcontracted-Certification	1.00	DY	\$350.00	\$350.00			
 Material Per Bid Item Concrete	1.00	LS	\$250.00	\$250.00			
 Ready Mix Concrete - MAG B 2500	4.20	CY	\$172.50	\$724.50			
D 68 - Water Meter Box	3.00	EACH	\$597.47	\$1,792.42	\$597.44	\$1,792.32	-0.01%
 WL-Water Service 1in W/ Box & Cover Crew (5.00 EACH/DY, 0.60 DY)	3.00	EACH	\$597.47	\$1,792.42			
D 69 - 2" Combo Air Relief Valve	1.00	EACH	\$7,832.65	\$7,832.65	\$7,832.17	\$7,832.17	-0.01%
 ARV Installation (1.00 EACH/DY, 1.00 DY)	1.00	EACH	\$4,627.88	\$4,627.88			
 CP-Concrete Sidewalk Crew (1.00 EACH/DY, 1.00 DY)	1.00	EACH	\$2,459.04	\$2,459.04			
 Material Per Bid Item	0.00	LS	\$6,280.70	\$0.00			
 Aggregate - ABC MAG Spec	14.30	TON	\$22.00	\$314.60			
 Material Per Bid Item Concrete	1.00	LS	\$50.00	\$50.00			
 Ready Mix Concrete - MAG B 2500	1.05	CY	\$172.50	\$181.13			
 Concrete - Short Load Fee	1.00	EACH	\$200.00	\$200.00			
D 72 - General Conditions	3.00	MO	\$95,584.75	\$286,754.25	\$95,578.93	\$286,736.79	-0.01%
 Trash Dumpsters / Dump Fees	3.00	MO	\$400.00	\$1,200.00			
 Connex Boxes	3.00	MO	\$700.00	\$2,100.00			
 Water Meter	0.00	EACH	\$0.00	\$0.00			
 Water & Ice	14.00	WK	\$125.00	\$1,750.00			
 Office & Yard Rental	3.00	MO	\$7,000.00	\$21,000.00			
 Project Utilities	3.00	MO	\$500.00	\$1,500.00			
 Project Sanitation	3.00	MO	\$700.00	\$2,100.00			
 Temporary Fencing	3.00	MO	\$350.00	\$1,050.00			
 Senior Project Manager	3.00	MO	\$12,961.88	\$38,885.64			
 Senior Project Manager (11.50 DY/MO, 34.50 DY)	3.00	MO	\$12,961.88	\$38,885.64			
 Assistant Project Manager	3.00	MO	\$21,876.48	\$65,629.44			
 Assistant Project Manager Crew (21.60 DY/MO, 64.80 DY)	3.00	MO	\$21,876.48	\$65,629.44			
 General / Project Superintendent	3.00	MO	\$11,485.15	\$34,455.46			

Description		Quantity	UM	Unit Direct Cost	Total Direct Cost	Unit Price	Total Price	Markup Percent
(Item 72 - General Conditions continued)								
	Superintendent (10.80 DY/MO, 32.40 DY)	3.00	MO	\$11,485.15	\$34,455.46			
	Field Superintendent	3.00	MO	\$21,371.90	\$64,115.71			
	Field Superintendent (21.60 DY/MO, 64.80 DY)	3.00	MO	\$21,371.90	\$64,115.71			
	Field Communication	3.00	MO	\$300.00	\$900.00			
	First Aid	0.00	EACH	\$0.00	\$0.00			
	ST&S, Safety Supplies, Training, Small Tools	16,556.00	MH	\$3.00	\$49,668.00			
	Job Office Expense	3.00	MO	\$400.00	\$1,200.00			
	Drone Photography	3.00	MO	\$400.00	\$1,200.00			



Proposal

Corporate: 11011 N. 23rd Ave. Phoenix, AZ 85029

Office: 623-582-1170|Fax: 623-582-3761

Tucson: 1904 W. Prince Rd. Tucson, AZ 85705

Office: 520-207-8228|Fax: 520-305-3323

AZ Licenses: ROC-089744 A General Contracting

ROC-111282 B-04 General Engineering

Equipment and Crew Composition

Project Name:	Chandler Dobson Water Install Project	Customer:	City of Chandler
Job Number:	22-4020-02 Bid Number: W22351	Billing Address:	Mail Stop 407, P.O. Box 4008
Bid As:	B&F Contracting, Inc.		Chandler, AZ 85244 USA
Estimator:	Joshua Onstott	Phone:	4807823310
Project Address:	Chandler Blvd/ Dobson Rd, Chandler, AZ	Contact:	Scott Riter
Completion Date:	11/29/2024		

Pay Items

Description	Job Cost ID	Task JC ID	Quantity	UM
D 5 - Remove And Replace Disturbed Pavement Markings In Kind			1.00	LS
D Striping Replacement			1.00	LS
S Subcontracted-Striping			1.00	LF
D 6 - Fog Seal Roadway			32,000.00	SY
P Fog Seal			32,000.00	SY
D 7 - Place And Fine Grade ABC Prior To Pavement			1,726.00	SY
Fine Grade Trench			1,726.00	SY
Subgrade Preparation (281.72 SY/DY, 6.13 DY, 8.00 HR/DY)			1,726.00	SY
Skip Loader - 1.3 CY			49.01	HR
Asphalt Roller - 57in-67in			49.01	HR
Water Truck - 2000 Gal			49.01	HR
Truck - Crew			49.01	HR
Operator: Small Equipment [2]			49.01	HR
Laborer [2]			49.01	HR
Water Truck Driver			49.01	HR
Foreman			49.01	HR
D 8 - Remove And Replace Curb And Gutter MAG Standard Detail 230			749.00	LF
Curb And Gutter Remove & Replacement			749.00	LF
CP-Concrete Demo Curb & Gutter Crew (750.00 LF/DY, 1.00 DY, 8.00 HR/DY)			749.00	LF
Truck - Crew			7.99	HR
Backhoe - Light			7.99	HR
Dump Truck - 10 Wheel			7.99	HR
Water Truck - 2000 Gal			7.99	HR
Foreman			7.99	HR
Operator: Small Equipment			7.99	HR
Laborer [2]			7.99	HR
Truck Driver			7.99	HR
Water Truck Driver			7.99	HR
CP-Concrete Curb & Gutter Crew (165.00 LF/DY, 4.54 DY, 8.00 HR/DY)			749.00	LF

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 8 - Remove And Replace Curb And Gutter MAG Standard Detail 230 continued)				
 Truck - Crew			36.32	HR
 Box Trailer			36.32	HR
 Skid Steer			36.32	HR
 Foreman			36.32	HR
 Concrete Finisher [3]			36.32	HR
 Operator: Small Equipment			36.32	HR
 Laborer [2]			36.32	HR
 Form, Cure, Stakes			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		61.60	TON
 Ready Mix Concrete - MAG B 2500	135ZZ00004		43.05	CY
 Trucking (8.53 DY, 0.14 Trucks, 10.98 LF/HR)			749.00	LF
 Dump Fee - Concrete	95040040		4.00	LOAD
D 9 - Remove And Replace Sidewalk MAG Standard Detail 230			989.00	SF
 Remove And Replace Concrete Sidewalk			989.00	SF
 CP-Concrete Demo Sidewalk Crew (650.00 SF/DY, 1.52 DY, 8.00 HR/DY)			989.00	SF
 Truck - Crew			12.17	HR
 Backhoe - Light			12.17	HR
 Dump Truck - 10 Wheel			12.17	HR
 Foreman			12.17	HR
 Operator: Small Equipment			12.17	HR
 Laborer			12.17	HR
 Truck Driver			12.17	HR
 Subgrade Preparation (469.44 SY/DY, 2.11 DY, 8.00 HR/DY)			989.00	SY
 Skip Loader - 1.3 CY			16.85	HR
 Asphalt Roller - 57in-67in			16.85	HR
 Water Truck - 2000 Gal			16.85	HR
 Truck - Crew			16.85	HR
 Operator: Small Equipment [2]			16.85	HR
 Laborer [2]			16.85	HR
 Water Truck Driver			16.85	HR
 Foreman			16.85	HR
 CP-Concrete Sidewalk Crew (200.00 SF/DY, 4.95 DY, 8.00 HR/DY)			989.00	SF
 Truck - Crew			39.56	HR
 Box Trailer			39.56	HR
 Skid Steer			39.56	HR
 Foreman			39.56	HR
 Concrete Finisher [3]			39.56	HR
 Laborer			39.56	HR
 Operator: Small Equipment			39.56	HR
 Forms, Cure, Stakes			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		18.70	TON
 Ready Mix Concrete - MAG B 2500	135ZZ00004		12.60	CY
 Dump Fee - Concrete	95040040		1.00	LOAD
D 10 - Sawcut, Remove, And Replace Pavement MAG Standard Detail 200-1 & 200-2			1,726.00	SY
 Remove Existing AC Trench Paving			1,726.00	SY
 CP-Sawcutting Large Crew (291.00 SY/DY, 5.93 DY, 8.00 HR/DY)			1,726.00	SY

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 10 - Sawcut, Remove, And Replace Pavement MAG Standard Detail 200-1 & 200-2 continued)				
 Truck - Crew			47.45	HR
 Water Truck - 2000 Gal			47.45	HR
 Walk Behind Saw - 57 HP			47.45	HR
 Foreman			47.45	HR
 Operator: Small Equipment			47.45	HR
 Laborer [2]			47.45	HR
 CP-Asphalt Demo Crew (291.00 SY/DY, 5.93 DY, 8.00 HR/DY)			1,726.00	SY
 Truck - Crew			47.45	HR
 Dump Truck - 10 Wheel			47.45	HR
 Water Truck - 2000 Gal			47.45	HR
 Foreman			47.45	HR
 Operator: Small Equipment [2]			47.45	HR
 Laborer [2]			47.45	HR
 Truck Driver			47.45	HR
 Water Truck Driver			47.45	HR
 Excavator - 35k LB			47.45	HR
 Backhoe - Light			47.45	HR
 Replace AC Trench Paving			1,726.00	SY
 Furnish & Install Trench Patching			1,726.00	SY
 Sub AC Paver (P1 Paving & Construction)			1,726.00	SY
 11 - Remove And Replace Sidewalk Ramp In Kind - Identified In Potholing			1.00	EACH
 Chandler Blvd			1.00	EACH
 CP-Concrete Fine Grade Crew (3.33 EACH/DY, 0.30 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			2.40	HR
 Foreman			2.40	HR
 Operator: Small Equipment			2.40	HR
 Laborer [2]			2.40	HR
 Skip Loader - 1.3 CY			2.40	HR
 CP-Concrete Demo Ramp Crew (2.50 EACH/DY, 0.40 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			3.20	HR
 Backhoe - Light			3.20	HR
 Dump Truck - 10 Wheel			3.20	HR
 Water Truck - 2000 Gal			3.20	HR
 Foreman			3.20	HR
 Operator: Small Equipment			3.20	HR
 Pipelayer			3.20	HR
 Laborer			3.20	HR
 Truck Driver			3.20	HR
 Water Truck Driver			3.20	HR
 CP-Concrete Ramp Crew (0.78 EACH/DY, 1.29 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			10.29	HR
 Box Trailer			10.29	HR
 Concrete Finisher [3]			10.29	HR
 Laborer [2]			10.29	HR
 Foreman			10.29	HR
 Form Work , Cure, Tactile Warning Strips			1.00	LS

Description		Job Cost ID	Task JC ID	Quantity	UM
(Item 11 - Remove And Replace Sidewalk Ramp In Kind - Identified In Potholing continued)					
 Aggregate - ABC MAG Spec		100AA00003		8.80	TON
 Ready Mix Concrete - MAG A 3000		135ZZ00001		4.73	CY
 Trucking (1.00 DY, 0.35 Trucks, 0.13 EACH/HR)				1.00	EACH
 Dump Fee - Concrete		95040040		1.00	LOAD
D 12 - Remove & Replace Median				71.00	LF
 Chandler Blvd				71.00	LF
 CP-Concrete Fine Grade Crew (35.50 EACH/DY, 2.00 DY, 8.00 HR/DY)				71.00	EACH
 Truck - Crew				16.00	HR
 Foreman				16.00	HR
 Operator: Small Equipment				16.00	HR
 Laborer [2]				16.00	HR
 Skip Loader - 1.3 CY				16.00	HR
 CP-Concrete Demo Ramp Crew (142.00 EACH/DY, 0.50 DY, 8.00 HR/DY)				71.00	EACH
 Truck - Crew				4.00	HR
 Backhoe - Light				4.00	HR
 Dump Truck - 10 Wheel				4.00	HR
 Water Truck - 2000 Gal				4.00	HR
 Foreman				4.00	HR
 Operator: Small Equipment				4.00	HR
 Pipelayer				4.00	HR
 Laborer				4.00	HR
 Truck Driver				4.00	HR
 Water Truck Driver				4.00	HR
 CP-Concrete Ramp Crew (47.33 EACH/DY, 1.50 DY, 8.00 HR/DY)				71.00	EACH
 Truck - Crew				12.00	HR
 Box Trailer				12.00	HR
 Concrete Finisher [3]				12.00	HR
 Laborer				12.00	HR
 Foreman				12.00	HR
 Form Work , Cure, Tactile Warning Strips				1.00	LS
 Aggregate - ABC MAG Spec		100AA00003		5.50	TON
 Ready Mix Concrete - MAG A 3000		135ZZ00001		4.73	CY
 Trucking (1.00 DY, 0.69 Trucks, 0.25 EACH/HR)				2.00	EACH
 Dump Fee - Concrete		95040040		1.00	LOAD
D 13 - Remove And Replace Valley Gutter & Apron Standard Detail				240.00	SF
240					
 Chandler Blvd				240.00	SF
 CP-Concrete Valley Gutter Crew (163.56 SF/DY, 1.47 DY, 8.00 HR/DY)				240.00	SF
 Truck - Crew				11.74	HR
 Box Trailer				11.74	HR
 Skid Steer				11.74	HR
 Foreman				11.74	HR
 Concrete Finisher [4]				11.74	HR
 Operator: Small Equipment				11.74	HR
 Laborer				11.74	HR
 CP-Concrete Demo Valley Gutter Crew (336.00 SF/DY, 0.71 DY, 8.00 HR/DY)				240.00	SF

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 13 - Remove And Replace Valley Gutter & Apron Standard Detail 240 continued)				
 Truck - Crew			5.71	HR
 Backhoe - Light			5.71	HR
 Dump Truck - 10 Wheel			5.71	HR
 Water Truck - 2000 Gal			5.71	HR
 Foreman			5.71	HR
 Operator: Small Equipment			5.71	HR
 Pipelayer			5.71	HR
 Laborer			5.71	HR
 Truck Driver			5.71	HR
 Water Truck Driver			5.71	HR
 Hydraulic Hammer - 800 FT LB			5.71	HR
 CP-Sawcutting Small Crew (368.00 LF/DY, 0.65 DY, 8.00 HR/DY)			240.00	LF
 Truck - Crew			5.22	HR
 Walk Behind Saw - 44 HP			5.22	HR
 Foreman			5.22	HR
 Laborer [2]			5.22	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		0.00	TON
 Ready Mix Concrete - MAG A 3000	135ZZ00001		0.00	CY
 Subgrade Preparation (280.56 SY/DY, 0.86 DY, 8.00 HR/DY)			240.00	SY
 Skip Loader - 1.3 CY			6.84	HR
 Asphalt Roller - 57in-67in			6.84	HR
 Water Truck - 2000 Gal			6.84	HR
 Truck - Crew			6.84	HR
 Operator: Small Equipment [2]			6.84	HR
 Laborer [2]			6.84	HR
 Water Truck Driver			6.84	HR
 Foreman			6.84	HR
D 14 - Replace Concrete Bus Bay COC Standard			235.00	SF
 Trucking (2.00 DY, 0.36 Trucks, 14.69 SF/HR)			235.00	SF
 Dump Fee - Concrete	95040040		0.00	LOAD
 Chandler Blvd			235.00	SF
 CP-Concrete Valley Gutter Crew (163.57 SF/DY, 1.44 DY, 8.00 HR/DY)			235.00	SF
 Truck - Crew			11.49	HR
 Box Trailer			11.49	HR
 Skid Steer			11.49	HR
 Foreman			11.49	HR
 Concrete Finisher [4]			11.49	HR
 Operator: Small Equipment			11.49	HR
 Laborer			11.49	HR
 CP-Concrete Demo Valley Gutter Crew (500.00 SF/DY, 0.47 DY, 8.00 HR/DY)			235.00	SF
 Truck - Crew			3.76	HR
 Backhoe - Light			3.76	HR
 Dump Truck - 10 Wheel			3.76	HR
 Water Truck - 2000 Gal			3.76	HR
 Foreman			3.76	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 14 - Replace Concrete Bus Bay COC Standard continued)				
 Operator: Small Equipment			3.76	HR
 Pipelayer			3.76	HR
 Laborer			3.76	HR
 Truck Driver			3.76	HR
 Water Truck Driver			3.76	HR
 Hydraulic Hammer - 800 FT LB			3.76	HR
 Subgrade Preparation (250.00 SY/DY, 0.94 DY, 8.00 HR/DY)			235.00	SY
 Skip Loader - 1.3 CY			7.52	HR
 Asphalt Roller - 57in-67in			7.52	HR
 Water Truck - 2000 Gal			7.52	HR
 Truck - Crew			7.52	HR
 Operator: Small Equipment [2]			7.52	HR
 Laborer [2]			7.52	HR
 Water Truck Driver			7.52	HR
 Foreman			7.52	HR
 Concrete Consumables			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		4.40	TON
 Ready Mix Concrete - MAG A 3000	135ZZ00001		8.40	CY
 CP-Sawcutting Small Crew (642.67 LF/DY, 0.37 DY, 8.00 HR/DY)			235.00	LF
 Truck - Crew			2.93	HR
 Walk Behind Saw - 44 HP			2.93	HR
 Foreman			2.93	HR
 Laborer [2]			2.93	HR
 Eco Pan	95040040		0.00	LOAD
D 15 - Abandon In Place 12-inch ACP Watermain W/Grout MAG Std Spec 350			2,951.00	LF
 Chandler Blvd Sta 33+00 To 38+00			500.00	LF
 WL-Abandonment Crew (162.50 LF/DY, 3.08 DY, 8.00 HR/DY)			500.00	LF
 Truck - Crew			24.62	HR
 Backhoe - Light			24.62	HR
 Foreman			24.62	HR
 Pipelayer			24.62	HR
 Laborer			24.62	HR
 Operator: Small Equipment			24.62	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		15.25	TON
 Grout Pump			1.00	EACH
 Grout Crew			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
 Chandler Blvd Sta 38+00 To 42+50			450.00	LF
 WL-Abandonment Crew (162.50 LF/DY, 2.77 DY, 8.00 HR/DY)			450.00	LF
 Truck - Crew			22.15	HR
 Backhoe - Light			22.15	HR
 Foreman			22.15	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 15 - Abandon In Place 12-inch ACP Watermain W/Grout MAG Std Spec 350 continued)				
 Pipelayer			22.15	HR
 Laborer			22.15	HR
 Operator: Small Equipment			22.15	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		13.65	TON
 Grout Pump			1.00	EACH
 Grout Crew			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
 Chandler Blvd Sta 42+50 To 47+50			500.00	LF
 WL-Abandonment Crew (162.50 LF/DY, 3.08 DY, 8.00 HR/DY)			500.00	LF
 Truck - Crew			24.62	HR
 Backhoe - Light			24.62	HR
 Foreman			24.62	HR
 Pipelayer			24.62	HR
 Laborer			24.62	HR
 Operator: Small Equipment			24.62	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		15.75	TON
 Grout Pump			1.00	EACH
 Grout Crew			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
 Chandler Blvd 47+50 To 52+50			500.00	LF
 WL-Abandonment Crew (162.50 LF/DY, 3.08 DY, 8.00 HR/DY)			500.00	LF
 Truck - Crew			24.62	HR
 Backhoe - Light			24.62	HR
 Foreman			24.62	HR
 Pipelayer			24.62	HR
 Laborer			24.62	HR
 Operator: Small Equipment			24.62	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		13.65	TON
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
 Chandler Blvd 52+50 To 57+50			570.00	LF
 WL-Abandonment Crew (162.50 LF/DY, 3.51 DY, 8.00 HR/DY)			570.00	LF
 Truck - Crew			28.06	HR
 Backhoe - Light			28.06	HR
 Foreman			28.06	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 15 - Abandon In Place 12-inch ACP Watermain W/Grout MAG Std Spec 350 continued)				
 Pipelayer			28.06	HR
 Laborer			28.06	HR
 Operator: Small Equipment			28.06	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		17.85	TON
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
 Chandler Blvd Sta 57+50 To 62+00			431.00	LF
 WL-Abandonment Crew (162.50 LF/DY, 2.65 DY, 8.00 HR/DY)			431.00	LF
 Truck - Crew			21.22	HR
 Backhoe - Light			21.22	HR
 Foreman			21.22	HR
 Pipelayer			21.22	HR
 Laborer			21.22	HR
 Operator: Small Equipment			21.22	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		13.65	TON
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
 17 - Abandon In Place 8-inch ACP Watermain W/Grout MAG Std Spec 350			66.00	LF
 Chandler Blvd W7 Sta 28+00 To Sta 33+00			40.00	LF
 WL-Abandonment Crew (162.50 LF/DY, 0.25 DY, 8.00 HR/DY)			40.00	LF
 Truck - Crew			1.97	HR
 Backhoe - Light			1.97	HR
 Foreman			1.97	HR
 Pipelayer			1.97	HR
 Laborer			1.97	HR
 Operator: Small Equipment			1.97	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		5.25	TON
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			4.00	HR
 Operator: Small Equipment			4.00	HR
 Laborer			4.00	HR
 Chandler Blvd W2			20.00	LF
 WL-Abandonment Crew (162.50 LF/DY, 0.12 DY, 8.00 HR/DY)			20.00	LF
 Truck - Crew			0.98	HR
 Backhoe - Light			0.98	HR
 Foreman			0.98	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 17 - Abandon In Place 8-inch ACP Watermain W/Grout MAG Std Spec 350 continued)</i>				
 Pipelayer			0.98	HR
 Laborer			0.98	HR
 Operator: Small Equipment			0.98	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		1.05	TON
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			4.00	HR
 Operator: Small Equipment			4.00	HR
 Laborer			4.00	HR
 Chandler Blvd W5			6.00	LF
 WL-Abandonment Crew (162.50 LF/DY, 0.04 DY, 8.00 HR/DY)			6.00	LF
 Truck - Crew			0.30	HR
 Backhoe - Light			0.30	HR
 Foreman			0.30	HR
 Pipelayer			0.30	HR
 Laborer			0.30	HR
 Operator: Small Equipment			0.30	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		1.05	TON
 19 - Abandon In Place 6-Inch ACP Watermain W/Grout MAG Std Spec 350			89.00	LF
 Chandler Sta 33+00 To Sta 38+00			9.00	LF
 WL-Abandonment Crew (200.00 LF/DY, 0.04 DY, 8.00 HR/DY)			7.00	LF
 Truck - Crew			0.28	HR
 Backhoe - Light			0.28	HR
 Foreman			0.28	HR
 Pipelayer			0.28	HR
 Laborer			0.28	HR
 Operator: Small Equipment			0.28	HR
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			4.00	HR
 Operator: Small Equipment			4.00	HR
 Laborer			4.00	HR
 Chandler Blvd Sta 47+50 To Sta 52+50			19.00	LF
 WL-Abandonment Crew (200.00 LF/DY, 0.10 DY, 8.00 HR/DY)			19.00	LF
 Truck - Crew			0.76	HR
 Backhoe - Light			0.76	HR
 Foreman			0.76	HR
 Pipelayer			0.76	HR
 Laborer			0.76	HR
 Operator: Small Equipment			0.76	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		1.05	TON
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 19 - Abandon In Place 6-Inch ACP Watermain W/Grout MAG Std Spec 350 continued)				
 Truck - Crew			4.00	HR
 Operator: Small Equipment			4.00	HR
 Laborer			4.00	HR
 Chandler Blvd Sta 71+00 To Sta 76+00			61.00	LF
 WL-Abandonment Crew (200.00 LF/DY, 0.31 DY, 8.00 HR/DY)			61.00	LF
 Truck - Crew			2.44	HR
 Backhoe - Light			2.44	HR
 Foreman			2.44	HR
 Pipelayer			2.44	HR
 Laborer			2.44	HR
 Operator: Small Equipment			2.44	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		1.05	TON
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			4.00	HR
 Operator: Small Equipment			4.00	HR
 Laborer			4.00	HR
 20 - Abandon 12-Inch Gate Valve In Closed Position MAG Std Det 350			3.00	EACH
 Chandler Blvd Sta 42+50 To Sta 47+50			1.00	EACH
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.20 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			1.60	HR
 Backhoe - Light			1.60	HR
 Water Truck - 2000 Gal			1.60	HR
 Foreman			1.60	HR
 Operator: Small Equipment			1.60	HR
 Pipelayer			1.60	HR
 Laborer			1.60	HR
 Water Truck Driver			1.60	HR
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		1.05	YARD
 Chandler Blvd Sta 47+50 To Sta 52+50			1.00	EACH
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.20 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			1.60	HR
 Backhoe - Light			1.60	HR
 Water Truck - 2000 Gal			1.60	HR
 Foreman			1.60	HR
 Operator: Small Equipment			1.60	HR
 Pipelayer			1.60	HR
 Laborer			1.60	HR
 Water Truck Driver			1.60	HR
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		1.05	YARD
 Chandler Blvd Sta 57+50 To Sta 62+00			1.00	EACH
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.20 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			1.60	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 20 - Abandon 12-Inch Gate Valve In Closed Position MAG Std Det 350 continued)</i>				
 Backhoe - Light			1.60	HR
 Water Truck - 2000 Gal			1.60	HR
 Foreman			1.60	HR
 Operator: Small Equipment			1.60	HR
 Pipelayer			1.60	HR
 Laborer			1.60	HR
 Water Truck Driver			1.60	HR
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		1.05	YARD
 Concrete - Short Load Fee			0.00	EACH
D 21 - Abandon 8-Inch Gate Valve In Closed Position Standard Detail 350			7.00	EACH
 Chandler Blvd Sta 33+00 To Sta 38+00			1.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.20 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			1.60	HR
 Backhoe - Light			1.60	HR
 Water Truck - 2000 Gal			1.60	HR
 Foreman			1.60	HR
 Operator: Small Equipment			1.60	HR
 Pipelayer			1.60	HR
 Laborer			1.60	HR
 Water Truck Driver			1.60	HR
 Chandler Blvd Sta 42+50 To Sta 47+50			3.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.60 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			4.80	HR
 Backhoe - Light			4.80	HR
 Water Truck - 2000 Gal			4.80	HR
 Foreman			4.80	HR
 Operator: Small Equipment			4.80	HR
 Pipelayer			4.80	HR
 Laborer			4.80	HR
 Water Truck Driver			4.80	HR
 Chandler Blvd Sta 47+50 To Sta 52+50			3.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.60 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			4.80	HR
 Backhoe - Light			4.80	HR
 Water Truck - 2000 Gal			4.80	HR
 Foreman			4.80	HR
 Operator: Small Equipment			4.80	HR
 Pipelayer			4.80	HR
 Laborer			4.80	HR
 Water Truck Driver			4.80	HR
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		7.35	YARD
 Concrete - Short Load Fee			1.00	EACH
D 22 - Abandon 6-inch Gate Valve In Closed Position MAG Standard Detail 350			4.00	EACH
 Chandler Blvd Sta 47+50 To Sta 52+50			1.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.20 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			1.60	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 22 - Abandon 6-inch Gate Valve In Closed Position MAG Standard Detail 350 continued)				
 Backhoe - Light			1.60	HR
 Water Truck - 2000 Gal			1.60	HR
 Foreman			1.60	HR
 Operator: Small Equipment			1.60	HR
 Pipelayer			1.60	HR
 Laborer			1.60	HR
 Water Truck Driver			1.60	HR
 Chandler Blvd Sta 52+50 To Sta 57+50			1.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.20 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			1.60	HR
 Backhoe - Light			1.60	HR
 Water Truck - 2000 Gal			1.60	HR
 Foreman			1.60	HR
 Operator: Small Equipment			1.60	HR
 Pipelayer			1.60	HR
 Laborer			1.60	HR
 Water Truck Driver			1.60	HR
 Chandler Blvd Sta 57+50 To Sta 62+00			2.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.40 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			3.20	HR
 Backhoe - Light			3.20	HR
 Water Truck - 2000 Gal			3.20	HR
 Foreman			3.20	HR
 Operator: Small Equipment			3.20	HR
 Pipelayer			3.20	HR
 Laborer			3.20	HR
 Water Truck Driver			3.20	HR
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		4.20	YARD
 Concrete - Short Load Fee			1.40	EACH
 23 - Abandon In Place Water Service Line			171.00	LF
 Chandler Blvd Sta 28+00 To Sta 33+00			14.00	LF
 WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.04 DY, 8.00 HR/DY)			14.00	LF
 Truck - Crew			0.32	HR
 Backhoe - Light			0.32	HR
 Water Truck - 2000 Gal			0.32	HR
 Foreman			0.32	HR
 Operator: Small Equipment			0.32	HR
 Pipelayer			0.32	HR
 Laborer			0.32	HR
 Water Truck Driver			0.32	HR
 Aggregate - ABC MAG Spec	100AA00003		1.54	TON
 Chandler Blvd Sta 33+00 To Sta 38+00			49.00	LF
 WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.14 DY, 8.00 HR/DY)			49.00	LF
 Truck - Crew			1.12	HR
 Backhoe - Light			1.12	HR
 Water Truck - 2000 Gal			1.12	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 23 - Abandon In Place Water Service Line continued)</i>				
 Foreman			1.12	HR
 Operator: Small Equipment			1.12	HR
 Pipelayer			1.12	HR
 Laborer			1.12	HR
 Water Truck Driver			1.12	HR
 Aggregate - ABC MAG Spec	100AA00003		3.29	TON
 Chandler Blvd Sta 47+50 To Sta 52+50			57.00	LF
 WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.16 DY, 8.00 HR/DY)			57.00	LF
 Truck - Crew			1.30	HR
 Backhoe - Light			1.30	HR
 Water Truck - 2000 Gal			1.30	HR
 Foreman			1.30	HR
 Operator: Small Equipment			1.30	HR
 Pipelayer			1.30	HR
 Laborer			1.30	HR
 Water Truck Driver			1.30	HR
 Aggregate - ABC MAG Spec	100AA00003		3.85	TON
 Chandler Blvd Sta 52+50 To Sta 57+50			54.00	LF
 WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.15 DY, 8.00 HR/DY)			54.00	LF
 Truck - Crew			1.23	HR
 Backhoe - Light			1.23	HR
 Water Truck - 2000 Gal			1.23	HR
 Foreman			1.23	HR
 Operator: Small Equipment			1.23	HR
 Pipelayer			1.23	HR
 Laborer			1.23	HR
 Water Truck Driver			1.23	HR
 Aggregate - ABC MAG Spec	100AA00003		3.30	TON
 Chandler Blvd Sta 578+50 To Sta 62+00			21.00	LF
 WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.06 DY, 8.00 HR/DY)			21.00	LF
 Truck - Crew			0.48	HR
 Backhoe - Light			0.48	HR
 Water Truck - 2000 Gal			0.48	HR
 Foreman			0.48	HR
 Operator: Small Equipment			0.48	HR
 Pipelayer			0.48	HR
 Laborer			0.48	HR
 Water Truck Driver			0.48	HR
 Aggregate - ABC MAG Spec	100AA00003		1.98	TON
 24 - Remove Existing Water Meter Box & Salvage Meter To City			2.00	EACH
 Chandler Blvd Sta 52+50 To Sta 57+50			2.00	EACH
 WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.40 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			3.20	HR
 Backhoe - Light			3.20	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 24 - Remove Existing Water Meter Box & Salvage Meter To City continued)				
 Water Truck - 2000 Gal			3.20	HR
 Foreman			3.20	HR
 Operator: Small Equipment			3.20	HR
 Pipelayer			3.20	HR
 Laborer			3.20	HR
 Water Truck Driver			3.20	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		1.10	TON
 Trucking (1.00 DY, 0.25 Trucks, 0.25 EACH/HR)			2.00	EACH
D 25 - Remove Existing Hydrant Assembly			2.00	EACH
 Chandler Blvd Sta 52+50 To Sta 57+50			2.00	EACH
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.67 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			5.33	HR
 Backhoe - Light			5.33	HR
 Water Truck - 2000 Gal			5.33	HR
 Foreman			5.33	HR
 Operator: Small Equipment			5.33	HR
 Pipelayer			5.33	HR
 Laborer			5.33	HR
 Water Truck Driver			5.33	HR
 Material Per Bid Item			2.00	LS
 Aggregate - ABC MAG Spec	100AA00003		6.60	TON
 Trucking (1.00 DY, 0.00 Trucks, 0.00 EACH/HR)			0.00	EACH
D 28 - Cut & Plug 6-inch Watermain			2.00	EACH
 Chandler Blvd Sta 33+00 To Sta 38+00			2.00	EACH
 Aggregate - ABC MAG Spec	100AA00003		2.20	TON
 WL- Waterline Crew (2.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			8.00	HR
 Backhoe - Light			8.00	HR
 Dump Truck - 10 Wheel [0.5]			8.00	HR
 Water Truck - 2000 Gal [0.5]			8.00	HR
 Foreman			8.00	HR
 Operator: Large Equipment [2]			8.00	HR
 Pipelayer			8.00	HR
 Laborer [2]			8.00	HR
 Truck Driver [0.5]			8.00	HR
 Water Truck Driver [0.5]			8.00	HR
 Excavator - 20k LB			8.00	HR
 Material Per Bid Item Caps, Piping, DIP And Long Body			2.00	LS
 Ready Mix Concrete			10.50	BAG
 Trucking (3.50 DY, 0.10 Trucks, 0.07 EACH/HR)			2.00	EACH
D 29 - Cut & Plug 8-inch Watermain			8.00	EACH
 Chandler Blvd Sta 33+00 To Sta 38+00			3.00	EACH
 Aggregate - ABC MAG Spec	100AA00003		3.30	TON
 WL- Waterline Crew (2.00 EACH/DY, 1.50 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			12.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 29 - Cut & Plug 8-inch Watermain continued)				
 Backhoe - Light			12.00	HR
 Dump Truck - 10 Wheel [0.5]			12.00	HR
 Water Truck - 2000 Gal [0.5]			12.00	HR
 Foreman			12.00	HR
 Operator: Large Equipment [2]			12.00	HR
 Pipelayer			12.00	HR
 Laborer [2]			12.00	HR
 Truck Driver [0.5]			12.00	HR
 Water Truck Driver [0.5]			12.00	HR
 Excavator - 20k LB			12.00	HR
 Chandler Blvd Sta 57+50 To Sta 62+00			5.00	EACH
 Aggregate - ABC MAG Spec	100AA00003		5.50	TON
 WL- Waterline Crew (2.00 EACH/DY, 2.50 DY, 8.00 HR/DY)			5.00	EACH
 Truck - Crew			20.00	HR
 Backhoe - Light			20.00	HR
 Dump Truck - 10 Wheel [0.5]			20.00	HR
 Water Truck - 2000 Gal [0.5]			20.00	HR
 Foreman			20.00	HR
 Operator: Large Equipment [2]			20.00	HR
 Pipelayer			20.00	HR
 Laborer [2]			20.00	HR
 Truck Driver [0.5]			20.00	HR
 Water Truck Driver [0.5]			20.00	HR
 Excavator - 20k LB			20.00	HR
 Material Per Bid Item Caps, Piping, DIP And Long Body			8.00	LS
 Ready Mix Concrete			42.00	BAG
 Dump Fee - Dirt			8.00	LOAD
 Trucking (4.00 DY, 0.35 Trucks, 0.25 EACH/HR)			8.00	EACH
 30 - Cut & Plug 12-inch Watermain			4.00	EACH
 Chandler Blvd Sta 100 To 102 W1			4.00	EACH
 WL- Waterline Crew (2.00 EACH/DY, 2.00 DY, 8.00 HR/DY)			4.00	EACH
 Truck - Crew			16.00	HR
 Excavator - 35k LB			16.00	HR
 Backhoe - Light			16.00	HR
 Dump Truck - 10 Wheel			16.00	HR
 Water Truck - 2000 Gal			16.00	HR
 Foreman			16.00	HR
 Operator: Large Equipment [2]			16.00	HR
 Pipelayer			16.00	HR
 Laborer [2]			16.00	HR
 Truck Driver			16.00	HR
 Water Truck Driver			16.00	HR
 Aggregate - ABC MAG Spec	100AA00003		3.30	TON
 Material Per Bid Item Caps, Piping, DIP And Long Body			3.00	LS
 Trucking (1.00 DY, 1.38 Trucks, 0.50 EACH/HR)			4.00	EACH
 Dump Fee - Dirt			4.00	LOAD
 Ready Mix Concrete			21.00	BAG

Description		Job Cost ID	Task JC ID	Quantity	UM
D	31 - Remove 12-inch Gate Valve Backfill With 1/2 Sack CLSM			2.00	EACH
	Chandler Blvd Sta 28+00 To Sta 33+00			2.00	EACH
	WL-Water Service Box & Cover Crew (4.00 EACH/DY, 0.50 DY, 8.00 HR/DY)			2.00	EACH
	Truck - Crew			4.00	HR
	Backhoe - Light			4.00	HR
	Water Truck - 2000 Gal			4.00	HR
	Foreman			4.00	HR
	Operator: Small Equipment			4.00	HR
	Pipelayer			4.00	HR
	Laborer			4.00	HR
	Water Truck Driver			4.00	HR
	Pipe Trailer			4.00	HR
	Material Per Bid Item			2.00	LS
	Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		10.50	YARD
D	33 - Remove 8-inch Gate Valve Backfill With 1/2 Sack CLSM			2.00	EACH
	Chandler Blvd Sta 28+00 To Sta 33+00			2.00	EACH
	WL-Water Service Box & Cover Crew (4.00 EACH/DY, 0.50 DY, 8.00 HR/DY)			2.00	EACH
	Truck - Crew			4.00	HR
	Backhoe - Light			4.00	HR
	Water Truck - 2000 Gal			4.00	HR
	Foreman			4.00	HR
	Operator: Small Equipment			4.00	HR
	Pipelayer			4.00	HR
	Laborer			4.00	HR
	Water Truck Driver			4.00	HR
	Pipe Trailer			4.00	HR
	Material Per Bid Item			2.00	LS
	Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		10.50	YARD
D	38 - 12-Inch Class 350 DIP Watermain W/Polywrap, Valves, Fittings, Vertical/Horizontal Alignment's, & Gate Valves Misc.			7,372.00	LF
	Watermain Installation Chandler Blvd			7,372.00	LF
	Dig Lay Backfill 12-inch DIP			7,372.00	LF
	12" Mainline (99.66 LF/DY, 74.00 DY, 8.00 HR/DY)			7,375.00	LF
	Truck - Crew			592.00	HR
	Excavator - 35k LB			592.00	HR
	Backhoe - Light			592.00	HR
	Dump Truck - 10 Wheel			592.00	HR
	Water Truck - 2000 Gal			592.00	HR
	Excavator - 20k LB			592.00	HR
	Skid Steer with Cold Planer			592.00	HR
	Shoring	90200000		74.00	DY
	Operator: Large Equipment [2]			592.00	HR
	Pipelayer [2]			592.00	HR
	Laborer [3]			592.00	HR
	Truck Driver			592.00	HR
	Water Truck Driver			592.00	HR
	Foreman			592.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 38 - 12-Inch Class 350 DIP Watermain W/Polywrap, Valves, Fittings, Vertical/Horizontal Alignment's, & Gate Valves Misc.				
 Operator: Small Equipment			592.00	HR
 Pipe Trailer			592.00	HR
 Hyrdo Ex Support (1.00 DY/DY, 10.00 DY, 8.00 HR/DY)			10.00	DY
 Combo Truck			80.00	HR
 Combo Truck Operator			100.00	HR
 Laborer			100.00	HR
 Material Handling (Pipe, AB, Haul Off) (100.00 LF/DY, 73.72 DY, 8.00 HR/DY)			7,372.00	LF
 Wheel Loader - 40k LB			589.76	HR
 Operator: Large Equipment			589.76	HR
 Water Truck Driver [0.5]			589.76	HR
 Water Truck - 2000 Gal [0.5]			589.76	HR
 Trucking (73.00 DY, 2.05 Trucks, 12.62 LF/HR)			7,372.00	LF
 Aggregate - ABC MAG Spec	100AA00003		8,426.00	TON
 Plates [85]	90200000		75.00	DY
 Dump Fee - Dirt			434.00	LOAD
 Utility Conflicts			81.00	EACH
 Existing Utility Conflicts (6.00 EACH/DY, 13.50 DY, 8.00 HR/DY)			81.00	EACH
 Truck - Crew			108.00	HR
 Excavator - 35k LB			108.00	HR
 Excavator - 20k LB			108.00	HR
 Backhoe - Light			108.00	HR
 Dump Truck - 10 Wheel			108.00	HR
 Water Truck - 2000 Gal			108.00	HR
 Skid Steer with Cold Planer			108.00	HR
 Shoring	90200000		13.50	DY
 Operator: Large Equipment [2]			108.00	HR
 Pipelayer [2]			108.00	HR
 Laborer [3]			108.00	HR
 Truck Driver			108.00	HR
 Water Truck Driver			108.00	HR
 Foreman			108.00	HR
 Operator: Small Equipment			108.00	HR
 Pipe Trailer			108.00	HR
 Plates [85]	90200000		10.00	DY
 Hyrdo Ex Support (1.67 DY/DY, 6.00 DY, 8.00 HR/DY)			10.00	DY
 Combo Truck			48.00	HR
 Combo Truck Operator			60.00	HR
 Laborer			60.00	HR
 Chandler Blvd Vert Realignments			5.00	EACH
 Vertical Realignment (0.42 EACH/DY, 12.00 DY, 8.00 HR/DY)			5.00	EACH
 Truck - Crew			96.00	HR
 Excavator - 35k LB			96.00	HR
 Backhoe - Light			96.00	HR
 Dump Truck - 10 Wheel			96.00	HR
 Water Truck - 2000 Gal			96.00	HR
 Skid Steer with Cold Planer			96.00	HR
 Shoring	90200000		12.00	DY

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 38 - 12-Inch Class 350 DIP Watermain W/Polywrap, Valves, Fittings, Vertical/Horizontal Alignment's, & Gate Valves Misc.</i>				
 Operator: Large Equipment [2]			96.00	HR
 Pipelayer [2]			96.00	HR
 Laborer [3]			96.00	HR
 Truck Driver			96.00	HR
 Water Truck Driver			96.00	HR
 Foreman			96.00	HR
 Pipe Trailer			96.00	HR
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		168.00	YARD
 Plates [85]	90200000		10.00	DY
 Hyrdo Ex Support (1.00 DY/DY, 10.00 DY, 8.00 HR/DY)			10.00	DY
 Combo Truck			80.00	HR
 Combo Truck Operator			100.00	HR
 Laborer			100.00	HR
 Install 12-Inch Gate Valve			38.00	EACH
 WL-Gate Valve 12in Appurtenance Crew (4.00 EACH/DY, 9.50 DY, 8.00 HR/DY)			38.00	EACH
 Truck - Crew			76.00	HR
 Backhoe - Light			76.00	HR
 Water Truck - 2000 Gal			76.00	HR
 Excavator - 35k LB			76.00	HR
 Dump Truck - 10 Wheel			76.00	HR
 Excavator - 20k LB			76.00	HR
 Skid Steer with Cold Planer			76.00	HR
 Shoring	90200000		9.50	DY
 Foreman			76.00	HR
 Operator: Small Equipment			76.00	HR
 Pipelayer [2]			76.00	HR
 Laborer [3]			76.00	HR
 Water Truck Driver			76.00	HR
 Truck Driver			76.00	HR
 Operator: Large Equipment [2]			76.00	HR
 Pipe Trailer			76.00	HR
 Cement - Concrete Mix 60#	110ZZ00001		75.00	BAG
 Material Per Bid Item			0.00	LS
 GC-Chlorine & Pressure Test	10090010		12.00	DY
 GC-Chlorine & Pressure Test Crew (1.00 DY/DY, 12.00 DY, 8.00 HR/DY)			12.00	DY
 Truck - Crew			96.00	HR
 Backhoe - Light			96.00	HR
 Water Truck - 2000 Gal			96.00	HR
 Hydrostatic Test Pump Trailer			96.00	HR
 Foreman			96.00	HR
 Operator: Small Equipment			96.00	HR
 Pipelayer			96.00	HR
 Laborer			96.00	HR
 Water Truck Driver			96.00	HR
 Chlorine And Dechlorine			1.00	EACH
 Plates [20]	90200000		12.00	DY

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 38 - 12-Inch Class 350 DIP Watermain W/Polywrap, Valves, Fittings, Vertical/Horizontal Alignment's, & Gate Valves Misc.				
 Vertical Realignment			0.00	LS
 GC-Combo Hydro Truck Crew (4.00 EACH/DY, 2.50 DY, 8.00 HR/DY)			10.00	EACH
 Combo Truck			20.00	HR
 Combo Truck Operator			30.00	HR
 Laborer			30.00	HR
 RH-Manhole Adjust Crew (4.00 EACH/DY, 9.50 DY, 8.00 HR/DY)			38.00	EACH
 Truck - Crew			76.00	HR
 Air Compressor - 185CFM			76.00	HR
 Foreman			76.00	HR
 Laborer [2]			76.00	HR
D 39 - 8-inch Class 350 DIP Watermain With Polywrap, Fittings, And Valves			210.00	LF
 WL- Waterline Crew (49.78 LF/DY, 4.22 DY, 8.00 HR/DY)			210.00	LF
 Truck - Crew			33.75	HR
 Excavator - 35k LB			33.75	HR
 Backhoe - Light			33.75	HR
 Dump Truck - 10 Wheel			33.75	HR
 Water Truck - 2000 Gal			33.75	HR
 Excavator Compaction Wheel			33.75	HR
 Operator: Large Equipment			33.75	HR
 Pipelayer			33.75	HR
 Laborer [2]			33.75	HR
 Truck Driver			33.75	HR
 Water Truck Driver			33.75	HR
 Foreman			33.75	HR
 Operator: Small Equipment			33.75	HR
 Skid Steer with Cold Planer			33.75	HR
 Pipe Trailer			33.75	HR
 WL-Gate Valve 8in Appurtenance Crew (4.00 EACH/DY, 1.50 DY, 8.00 HR/DY)			6.00	EACH
 Truck - Crew			12.00	HR
 Dump Truck - 10 Wheel			12.00	HR
 Backhoe - Light			12.00	HR
 Water Truck - 2000 Gal			12.00	HR
 Excavator - 35k LB			12.00	HR
 Excavator Compaction Wheel			12.00	HR
 Foreman			12.00	HR
 Operator: Small Equipment			12.00	HR
 Pipelayer			12.00	HR
 Laborer [2]			12.00	HR
 Water Truck Driver			12.00	HR
 Truck Driver			12.00	HR
 Operator: Large Equipment			12.00	HR
 Skid Steer with Cold Planer			12.00	HR
 Pipe Trailer			12.00	HR
 Vertical Realignment (1.00 EACH/DY, 4.00 DY, 8.00 HR/DY)			4.00	EACH
 Truck - Crew			32.00	HR
 Excavator - 35k LB			32.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 39 - 8-inch Class 350 DIP Watermain With Polywrap, Fittings, And Valves continued)</i>				
 Backhoe - Light			32.00	HR
 Dump Truck - 10 Wheel			32.00	HR
 Water Truck - 2000 Gal			32.00	HR
 Operator: Large Equipment			32.00	HR
 Pipelayer			32.00	HR
 Laborer [2]			32.00	HR
 Truck Driver			32.00	HR
 Water Truck Driver			32.00	HR
 Foreman			32.00	HR
 Operator: Small Equipment			32.00	HR
 Excavator Compaction Wheel			32.00	HR
 Skid Steer with Cold Planer			32.00	HR
 Pipe Trailer			32.00	HR
 Material Per Bid Item			0.00	LS
 Aggregate - ABC MAG Spec	100AA00003		134.20	TON
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		7.88	YARD
 Cement - Concrete Mix 60#	110ZZ00001		10.00	BAG
 Vertical Realignment			0.00	LS
 Shoring	90200000		7.00	DY
 Plates [0]	90200000		18.00	DY
 Trucking (5.00 DY, 0.56 Trucks, 5.25 LF/HR)			210.00	LF
 Dump Fee - Dirt			7.00	LOAD
 RH-Manhole Adjust Crew (4.00 EACH/DY, 1.50 DY, 8.00 HR/DY)			6.00	EACH
 Truck - Crew			12.00	HR
 Air Compressor - 185CFM			12.00	HR
 Foreman			12.00	HR
 Laborer [2]			12.00	HR
D 40 - 6-Inch Class 350 DIP Watermain W/Polywrap, Fittings, And Valves			114.00	LF
 WL- Waterline Crew (36.25 LF/DY, 3.14 DY, 8.00 HR/DY)			114.00	LF
 Truck - Crew			25.16	HR
 Excavator - 20k LB			25.16	HR
 Backhoe - Light			25.16	HR
 Dump Truck - 10 Wheel			25.16	HR
 Water Truck - 2000 Gal			25.16	HR
 Excavator Compaction Wheel			25.16	HR
 Operator: Large Equipment			25.16	HR
 Pipelayer			25.16	HR
 Laborer [2]			25.16	HR
 Truck Driver			25.16	HR
 Water Truck Driver			25.16	HR
 Foreman			25.16	HR
 Operator: Small Equipment			25.16	HR
 Skid Steer with Cold Planer			25.16	HR
 Pipe Trailer			25.16	HR
 WL-Gate Valve 6in Appurtenance Crew (6.00 EACH/DY, 0.67 DY, 8.00 HR/DY)			4.00	EACH
 Truck - Crew			5.33	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 40 - 6-Inch Class 350 DIP Watermain W/Polywrap, Fittings, And Valves continued)				
 Backhoe - Light			5.33	HR
 Water Truck - 2000 Gal			5.33	HR
 Dump Truck - 10 Wheel			5.33	HR
 Excavator - 20k LB			5.33	HR
 Excavator Compaction Wheel			5.33	HR
 Foreman			5.33	HR
 Operator: Small Equipment			5.33	HR
 Pipelayer			5.33	HR
 Laborer [2]			5.33	HR
 Water Truck Driver			5.33	HR
 Truck Driver			5.33	HR
 Operator: Large Equipment			5.33	HR
 Skid Steer with Cold Planer			5.33	HR
 Pipe Trailer			5.33	HR
 Vertical Realignment (1.00 EACH/DY, 0.00 DY, 8.00 HR/DY)			0.00	EACH
 Truck - Crew			0.00	HR
 Backhoe - Light			0.00	HR
 Dump Truck - 10 Wheel			0.00	HR
 Water Truck - 2000 Gal			0.00	HR
 Excavator - 20k LB			0.00	HR
 Operator: Large Equipment			0.00	HR
 Pipelayer			0.00	HR
 Laborer [2]			0.00	HR
 Truck Driver			0.00	HR
 Water Truck Driver			0.00	HR
 Foreman			0.00	HR
 Operator: Small Equipment			0.00	HR
 Skid Steer with Cold Planer			0.00	HR
 Pipe Trailer			0.00	HR
 RH-Manhole Adjust Crew (4.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			4.00	EACH
 Truck - Crew			8.00	HR
 Air Compressor - 185CFM			8.00	HR
 Foreman			8.00	HR
 Laborer [2]			8.00	HR
 Shoring	90200000		4.00	DY
 Plates [8]	90200000		4.00	DY
 Material Per Bid Item			0.00	LS
 Aggregate - ABC MAG Spec	100AA00003		84.18	TON
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		0.00	YARD
 Cement - Concrete Mix 60#	110ZZ00001		20.00	BAG
 Trucking (4.00 DY, 0.38 Trucks, 3.56 LF/HR)			114.00	LF
 Dump Fee - Dirt			2.00	LOAD
 Vertical Realignment			0.00	LS
D 48 - Thrust Block On Chandler Blvd			3.00	EACH
 Thrust Blocks (3'0"x1'8"x2'0")			3.00	EACH
 Ready Mix Concrete - MAG B 2500	135ZZ00004		3.15	CY
 Rebar - # 4 (1/2in) 10ft	140ZZ00003		3.30	EACH

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 48 - Thrust Block On Chandler Blvd continued)				
 CP-Concrete Replace Crew (2.00 EACH/DY, 1.50 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			12.00	HR
 Backhoe - Light			12.00	HR
 Foreman			12.00	HR
 Operator: Small Equipment			12.00	HR
 Laborer			12.00	HR
 Concrete Finisher [2]			12.00	HR
 Box Trailer			12.00	HR
 Material Per Bid Item			3.00	LS
 Concrete - Short Load Fee			3.00	EACH
D 52 - Connect To Existing 8-inch ACP Water Main To DIP Coupling			3.00	EACH
 WL- Waterline Crew (1.50 EACH/DY, 2.00 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			16.00	HR
 Excavator - 35k LB			16.00	HR
 Backhoe - Light			16.00	HR
 Dump Truck - 10 Wheel			16.00	HR
 Water Truck - 2000 Gal			16.00	HR
 Operator: Large Equipment [2]			16.00	HR
 Pipelayer			16.00	HR
 Laborer [2]			16.00	HR
 Truck Driver			16.00	HR
 Water Truck Driver			16.00	HR
 Foreman			16.00	HR
 Excavator Compaction Wheel			16.00	HR
 Pipe Trailer			16.00	HR
 GC-Combo Hydro Truck Crew (2.00 EACH/DY, 1.50 DY, 8.00 HR/DY)			3.00	EACH
 Combo Truck			12.00	HR
 Combo Truck Operator			18.00	HR
 Laborer			18.00	HR
 Material Per Bid Item			3.00	LS
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		22.05	YARD
 Shoring	90200000		5.00	DY
 Plates [6]	90200000		5.00	DY
 Cement - Concrete Mix 60#	110ZZ00001		30.00	BAG
 Trucking (3.00 DY, 0.35 Trucks, 0.13 EACH/HR)			3.00	EACH
 Dump Fee - Dirt [3]			0.00	LOAD
D 57 - Fire Hydrant Assembly COC Standard Detail C-303 & C-305			2.00	EACH
 WL- Fire Hydrant Domestic Water Wet Barrel Crew (1.00 EACH/DY, 2.00 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			16.00	HR
 Excavator - 10k LB			16.00	HR
 Backhoe - Light			16.00	HR
 Pipe Trailer			16.00	HR
 Water Truck - 2000 Gal [0.5]			16.00	HR
 Foreman			16.00	HR
 Operator: Large Equipment			16.00	HR
 Operator: Small Equipment			16.00	HR

Description		Job Cost ID	Task JC ID	Quantity	UM
(Item 57 - Fire Hydrant Assembly COC Standard Detail C-303 & C-305 continued)					
 Pipelayer				16.00	HR
 Laborer [2]				16.00	HR
 Water Truck Driver [0.5]				16.00	HR
 Material Per Bid Item				0.00	LS
 Aggregate - ABC MAG Spec		100AA00003		4.40	TON
D 59 - 1" Type K Soft Copper Service Line COC Standard Detail C-301				62.00	LF
 WL-Water Service 1in W/ Box & Cover Crew (50.57 LF/DY, 1.23 DY, 8.00 HR/DY)				62.00	LF
 Truck - Crew				9.81	HR
 Water Truck - 2000 Gal [0.5]				9.81	HR
 Foreman				9.81	HR
 Pipelayer				9.81	HR
 Laborer [2]				9.81	HR
 Water Truck Driver [0.5]				9.81	HR
 Operator: Large Equipment				9.81	HR
 Pipe Trailer				9.81	HR
 Backhoe - Light				9.81	HR
 Excavator - 10k LB				9.81	HR
 Operator: Small Equipment				9.81	HR
 Material Per Bid Item				0.00	LS
 Aggregate - ABC MAG Spec		100AA00003		14.30	TON
 Plates [4]		90200000		0.00	DY
 Shoring		90200000		0.00	DY
D 60 - 1.5" Copper Service Line COC Standard Detail C-301				119.00	LF
 WL-Water Service 1.5in W/ Box & Cover Crew (89.50 LF/DY, 1.33 DY, 8.00 HR/DY)				119.00	LF
 Truck - Crew				10.64	HR
 Water Truck - 2000 Gal [0.5]				10.64	HR
 Pipe Trailer				10.64	HR
 Backhoe - Light				10.64	HR
 Excavator - 10k LB				10.64	HR
 Foreman				10.64	HR
 Pipelayer				10.64	HR
 Laborer [2]				10.64	HR
 Water Truck Driver [0.5]				10.64	HR
 Operator: Large Equipment				10.64	HR
 Operator: Small Equipment				10.64	HR
 Material Per Bid Item				0.00	LS
 Aggregate - ABC MAG Spec		100AA00003		27.50	TON
 Plates [4]		90200000		0.00	DY
 Shoring		90200000		0.00	DY
D 61 - 2" Rigid Copper Service Line COC Standard Detail C-301				65.00	LF
 WL-Water Service 2in W/ Box & Cover Crew (73.00 LF/DY, 0.89 DY, 8.00 HR/DY)				65.00	LF
 Truck - Crew				7.12	HR
 Water Truck - 2000 Gal [0.5]				7.12	HR
 Pipe Trailer				7.12	HR
 Backhoe - Light				7.12	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 61 - 2" Rigid Copper Service Line COC Standard Detail C-301 continued)				
 Excavator - 10k LB			7.12	HR
 Foreman			7.12	HR
 Pipelayer			7.12	HR
 Laborer [2]			7.12	HR
 Water Truck Driver [0.5]			7.12	HR
 Operator: Large Equipment			7.12	HR
 Operator: Small Equipment			7.12	HR
 Material Per Bid Item			0.00	LS
 Aggregate - ABC MAG Spec	100AA00003		15.40	TON
 Shoring	90200000		0.00	DY
 Plates [4]	90200000		0.00	DY
D 62 - Locate & Connect Existing Services			7.00	EACH
 WL- Waterline Crew (3.00 EACH/DY, 2.33 DY, 8.00 HR/DY)			7.00	EACH
 Truck - Crew			18.67	HR
 Backhoe - Light			18.67	HR
 Excavator - 10k LB			18.67	HR
 Operator: Large Equipment			18.67	HR
 Pipelayer			18.67	HR
 Laborer			18.67	HR
 Foreman			18.67	HR
 Operator: Small Equipment			18.67	HR
 Material Per Bid Item			7.00	LS
 Aggregate - ABC MAG Spec	100AA00003		7.70	TON
D 64 - 1.5" Backflow Preventer & Enclosure COC Standard Detail C-311			1.00	EACH
 Backflow Preventer Small (1.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			8.00	HR
 Water Truck - 2000 Gal [0.5]			8.00	HR
 Pipe Trailer			8.00	HR
 Backhoe - Light			8.00	HR
 Excavator - 10k LB			8.00	HR
 Foreman			8.00	HR
 Pipelayer			8.00	HR
 Laborer [2]			8.00	HR
 Water Truck Driver [0.5]			8.00	HR
 Operator: Large Equipment			8.00	HR
 Operator: Small Equipment			8.00	HR
 CP-Concrete Sidewalk Crew (1.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			8.00	HR
 Box Trailer			8.00	HR
 Foreman			8.00	HR
 Concrete Finisher [3]			8.00	HR
 Laborer			8.00	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		3.30	TON
 Subcontracted-Certification			1.00	DY
 Material Per Bid Item Concrete			1.00	LS

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 64 - 1.5" Backflow Preventer & Enclosure COC Standard Detail C-311 continued)				
 Ready Mix Concrete - MAG B 2500	135ZZ00004		1.05	CY
 Concrete - Short Load Fee			1.00	EACH
D 67 - 6" Backflow Preventer And Enclosure COC Standard Detail C-315			1.00	EACH
 WL-Double Check Backflow Preventer 6in Appurtenance Crew (0.50 EACH/DY, 2.00 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			16.00	HR
 Backhoe - Light			16.00	HR
 Water Truck - 2000 Gal			16.00	HR
 Foreman			16.00	HR
 Operator: Small Equipment			16.00	HR
 Pipelayer			16.00	HR
 Laborer [2]			16.00	HR
 Water Truck Driver			16.00	HR
 Excavator - 20k LB			16.00	HR
 Dump Truck - 10 Wheel			16.00	HR
 Operator: Large Equipment			16.00	HR
 Excavator Compaction Wheel			16.00	HR
 Pipe Trailer			16.00	HR
 CP-Concrete Sidewalk Crew (0.50 EACH/DY, 2.00 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			16.00	HR
 Box Trailer			16.00	HR
 Foreman			16.00	HR
 Concrete Finisher [3]			16.00	HR
 Laborer			16.00	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		6.60	TON
 Subcontracted-Certification			1.00	DY
 Material Per Bid Item Concrete			1.00	LS
 Ready Mix Concrete - MAG B 2500	135ZZ00004		4.20	CY
D 68 - Water Meter Box			3.00	EACH
 WL-Water Service 1in W/ Box & Cover Crew (5.00 EACH/DY, 0.60 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			4.80	HR
 Foreman			4.80	HR
 Pipelayer			4.80	HR
 Laborer			4.80	HR
 Pipe Trailer			4.80	HR
 Backhoe - Light			4.80	HR
 Operator: Small Equipment			4.80	HR
 Flatbed Trailer			4.80	HR
D 69 - 2" Combo Air Relief Valve			1.00	EACH
 ARV Installation (1.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			8.00	HR
 Water Truck - 2000 Gal [0.5]			8.00	HR
 Pipe Trailer			8.00	HR
 Backhoe - Light			8.00	HR
 Excavator - 10k LB			8.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 69 - 2" Combo Air Relief Valve continued)</i>				
 Foreman			8.00	HR
 Pipelayer			8.00	HR
 Laborer [2]			8.00	HR
 Water Truck Driver [0.5]			8.00	HR
 Operator: Large Equipment			8.00	HR
 Operator: Small Equipment			8.00	HR
 CP-Concrete Sidewalk Crew (1.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			8.00	HR
 Box Trailer			8.00	HR
 Foreman			8.00	HR
 Concrete Finisher [3]			8.00	HR
 Laborer			8.00	HR
 Material Per Bid Item			0.00	LS
 Aggregate - ABC MAG Spec	100AA00003		14.30	TON
 Material Per Bid Item Concrete			1.00	LS
 Ready Mix Concrete - MAG B 2500	135ZZ00004		1.05	CY
 Concrete - Short Load Fee			1.00	EACH
D 72 - General Conditions			3.00	MO
 Trash Dumpsters / Dump Fees			3.00	MO
 Connex Boxes			3.00	MO
 Water Meter			0.00	EACH
 Water & Ice			14.00	WK
 Office & Yard Rental			3.00	MO
 Project Utilities			3.00	MO
 Project Sanitation			3.00	MO
 Temporary Fencing			3.00	MO
 Senior Project Manager			3.00	MO
 Senior Project Manager (11.50 DY/MO, 34.50 DY, 8.00 HR/DY)			3.00	MO
 Truck - Management			276.00	HR
 Sr. Project Manager			276.00	HR
 Assistant Project Manager			3.00	MO
 Assistant Project Manager Crew (21.60 DY/MO, 64.80 DY, 8.00 HR/DY)			3.00	MO
 Truck - Management			518.40	HR
 Project Manager			518.40	HR
 General / Project Superintendent			3.00	MO
 Superintendent (10.80 DY/MO, 32.40 DY, 8.00 HR/DY)			3.00	MO
 Truck - Management			259.20	HR
 Superintendent			259.20	HR
 Field Superintendent			3.00	MO
 Field Superintendent (21.60 DY/MO, 64.80 DY, 8.00 HR/DY)			3.00	MO
 Truck - Management			518.40	HR
 Field Superintendent			518.40	HR
 Field Communication			3.00	MO
 First Aid			0.00	EACH
 ST&S, Safety Supplies, Training, Small Tools			16,556.00	MH
 Job Office Expense			3.00	MO

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 72 - General Conditions continued)</i>				
 Drone Photography			3.00	MO

Exhibit D4: List of GMP-003 Documents
CHANDLER AND DOBSON WATERMAIN REPLACEMENT
COC Project Number: WW2005.403
GMP-003
(06/15/2023)

DOCUMENTS:

- CITY OF CHANDLER, ARIZONA – CHANDLER BOULEVARD DOBSON ROAD TO CHIPPEWA PLACE WATER MAIN IMPROVEMENT, CITY PROJECT NO. WW2005.403, DATE: MAY, 2023
- CITY OF CHANDLER, ARIZONA – CHANDLER BOULEVARD DOBSON ROAD TO CHIPPEWA PLACE WATER MAIN IMPROVEMENT, CITY PROJECT NO. WW2005.403, DATE: MAY 31, 2023, TECHNICAL SPECIFICATIONS
- WW2005.252 – CHANDLER BOULEVARD AND DOBSON ROAD SEWER AND WATER IMPROVMENTS – PRECONSTRUCTION CONTRACT
- SAECO – DIBBLE ENGINEERING – ISSUED - GEOTECHNICAL STUDY – CHANDLER BOULEVARD WATER MAIN IMPROVMENTS DOBSON TO CHIPPEWA PLACE, CHANDLER, ARIZONA
- UTILITY POTHOLE DATA – SSC UNDERGROUND
- GIS / GPS DATA DELIVERY REQUIRMENT, CITY OF CHANDLER

Exhibit D5: Clarification & Assumptions
CHANDLER & DOBSON WATERMAIN REPLACEMENT
COC Project No.: WW2005.403
GMP-003
[06/15/2023]

1. This GMP-003 is based on 100% design drawings and as-builts. If actual conditions/locations differ from those shown on the Project Documents, additional and equitable compensation may be requested. These additional costs, if encountered, will be a change in scope and compensated from owner's contingency.
2. GMP-003 does not include costs for the remediation of hazardous waste materials not generated by CMAR.
3. CMAR acknowledges the city code 11-10.2: Construction Noise. Contractor normal working hours are assumed to be from 7:00AM to 5:00PM (6:00AM start time from May to September), but after hours and 24-hour operations may be required to facilitate the construction of this project.
4. Traffic control costs include setup, rental and teardown as deemed by COC Traffic. The assumption is single lane closure that will be expanded to a double lane from 8:30AM to 3:30PM. It is expected that all traffic control devices will be able to be left overnight in a single lane closure over running line. Additional costs not included in this GMP will be incurred if they are required to be removed overnight.
5. Limited work will be allowed from November 18, 2023, to January 2, 2024, to sections of the project on the west bound lanes on Chandler boulevard from Arrowhead Drive to Meadow Drive. No testing will be available in the week of December 25-29.
6. GMP-003 includes costs for currently identified engineering, design, environmental, survey, and community relation efforts determined in the design phase. Additional efforts encountered or added due to increased scope of work elements or unforeseen conditions to be encumbered in Owner or Contractor Contingency line items.
7. Excludes any costs associated with blasting or hydraulic breakers of any kind.
8. The replacement of the water schedule will begin in August of 2023 and finish October of 2024. Due to asphalt treatment, initial, and final striping the project will not be 100% complete by December of 2024 dictated by the striping company does not warranty the striping until 30 days of cure has been completed on the treatment.
9. Pavement patching or restoration is bid to complete per the COC standard materials for arterial roadways.
10. Excludes costs for repair of pre-existing damage of any private and public roadways used to access this project. If required, costs to be reimbursed from Owner or Contractor Contingency.
11. The contractor's Contingency Usage will be utilized per General Condition 15.4.1 included in the contract.
12. GMP-003 assumes access can be granted to CMAR for suitable staging and installation of the water main replacement at the various sections.
13. Excludes operation of any existing valves on the City of Chandler system.
14. CMAR is aware of the lead time for the materials due to the current market conditions but assumes the majority of the materials can be stored in the laydown yard location.
15. After installation of the water main line, CMAR will backfill the trench as designated on the plan sheets by utilizing ½ sack slurry in all intersection work, large vertical realignments

under the exiting utilities, and will use ABC in all other applications by mechanically compacting and testing for compaction.

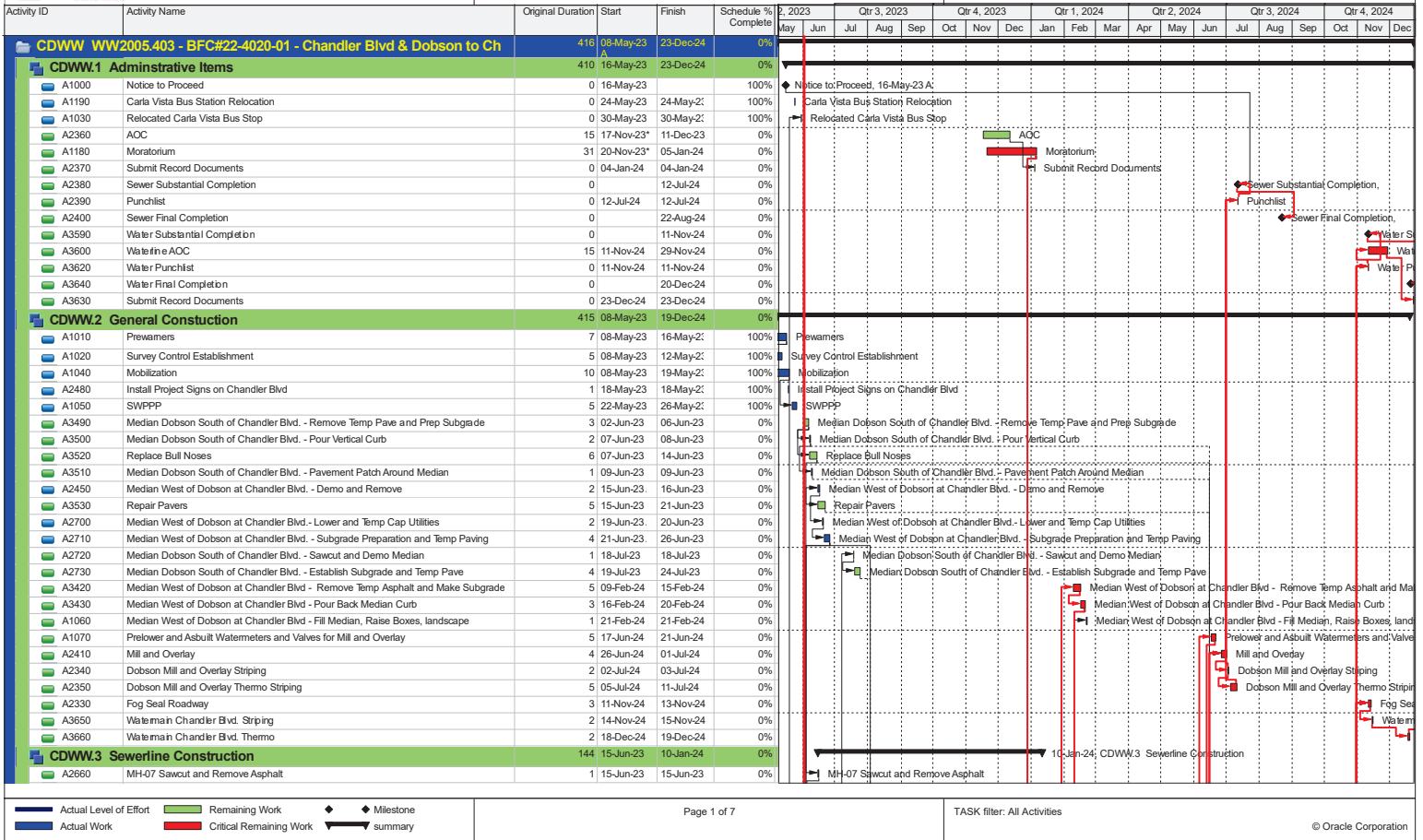
16. CMAR intends to place plates on top of the asphalt during construction under a 24-hour lane closure and mill plates flush with asphalt or temp cold patch with asphalt 2" asphalt at driveway access points only at the CMAR discretion.
17. Excavation for mainline pipe install will be hauled off and disposed of offsite. Backfill will consist of imported aggregates and/or slurry.
18. CMAR will utilize Pipeline Services for all hot taps for existing waterlines.
19. Pavement removal and replacement associated with the water line replacement is quantified based on discussions from the design phase meetings. If there is a discrepancy with the GMP plans and quantities are incorrect the direct overrun will be unit cost adjusted through the contractor contingency.
20. This GMP includes a CMAR Contingency based on the risk register. All quantity variations for difference in length and vertical depth based on project drawings vs. field verified measurements, and for variations of individual property service connections will be direct unit cost reimbursable through contingency.
21. Fog seal will be applied as designated by the City of Chandler and provided a best estimate based on the parameter give and quantity overrun will be paid from contractor's contingency.
22. Abandonment of the existing ACP and CIP pipe is grout filled. CMAR will provide materials and service to complete work but does not anticipate any testing of the existing line post grout abandonment. A plan will be produced, submitted, and approved by the owner prior to commencement of the work.
23. Tax credit only applies to pipe materials 4-inch or larger. Please see the summary sheet in the appendix for reference.
24. Subcontractor selection follows 17.6 of the general conditions in the contract.
25. CMAR expectation is to close sidewalks and bike paths in the construction zone and route pedestrians to the nearest ADA compliant crossing and detour pedestrians to the opposite of the roadway around the work zone. No barriers, special ramps, temp bus stops, slip resistant plating, or similar pedestrian related control has been added to this GMP. Additional requirements will be paid through the Traffic Control allowance.
26. CMAR has provided the GMP with adjusted locations with limited isolation valves. The anticipation is all other locations the City of Chandler will be able to isolate section of the pipe to complete all tie overs. Any additional work will be considered a change from Owners Contingency.
27. Engineering for pipe supports is excluded in this GMP.
28. Cost for coordination with the water services department and shutdown planning is included in the GMP.
29. To limit construction work area, the CMAR plans to install test section of the new mainline as isolation is available and continually tie the lines over in section on the project to eliminate multiple mobilization into section of the ROW to limit the impact to the public. Once the tie-in is completed the existing line will be abandoned and surface restoration will be completed.
30. The CMAR feels there is risk associated with the Valley Gutters at many local streets running parallel to the trench with less than a few feet separation and has added additional replacement in contingency.

31. CMAR will provide an onsite trailer for staff with internet access that will have limited space for large meetings. CMAR does not have costs for the owner or owner's representative facilities in its GMP.
32. Traffic Control at intersection work is estimated at a 24 hour per day closure with a full 8 hour working day available as approved by the city Engineer.
33. Night work is not anticipated except for tie ins identified in preconstruction for water shutdowns at specific locations as approved by the city Engineer.
34. 72-hour and 24-hour notice notifications required for water shut down and service tie-overs are included in the cost by the Contractor.
35. ACP disposal for quantity on plans is included in the CMAR cost.
36. All specialty asphalt, concrete, and/or paver unless expressed explicitly on the plans would be compensated through owner's contingency.
37. Material salvage will be taken to the COC facilities (McQueen Yard) and placed in the designated area after notifying City Water Distribution.
38. Unit Price Contract Administration: This GMP will be administered as a Measured Quantity/Unit Price, Guaranteed Not-to-Exceed Contract. The Schedules of Values are defined by the individual work/pay items plus fee structure, and markups. Final contract price/payout will be based on field measured, final completed quantities at the approved unit prices, approved allowance and/or contingency utilization, and approved change orders. It is understood that these City approved prices including mark-ups are the "Cost of the Work". The mark-up structure on the Schedule of Values (Exhibit D3) will apply to Change Orders and/or Extra Work, allowances, and contingencies. Pay Item under-runs and/or unused items shall fall to Owner's contingency for the duration of the project. Quantity over-runs shall be paid at the unit price established in the Schedule of Values for the pay item and shall be paid from Contingency or Change Orders.



CONTRACTING
— Since 1990

D6: GMP-001, GMP-002 & GMP-003 SCHEDULE



Activity ID	Activity Name	Original Duration	Start	Finish	Schedule % Complete	2023												2024											
						May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
A2670	MH-07 Excavate Shore	3	16-Jun-23	20-Jun-23	0%																								
A2680	MH-07 Pour Manhole Base	2	21-Jun-23	22-Jun-23	0%																								
A2690	MH-07 Stack Manhole and Plate for Bypass	2	23-Jun-23	26-Jun-23	0%																								
A2810	MH-01 MH-02 - Sawcut Asphalt and Demo	2	20-Jul-23	21-Jul-23	0%																								
A2820	MH-01 Excavate, Remove Pipe, and Establish Manhole Subgrade	3	24-Jul-23	26-Jul-23	0%																								
A2830	MH-01 Install 72-inch Precast Base	1	27-Jul-23	27-Jul-23	0%																								
A2880	Install Pipe Plug on 39-inch Pipe	1	27-Jul-23	27-Jul-23	0%																								
A2840	MH-01 to MH-02 Dig, Lay, and Backfill 12-inch Pipe	2	28-Jul-23	31-Jul-23	0%																								
A2850	MH-02 - Excavate, Remove Pipe and Establish Manhole Subgrade	1	01-Aug-23	01-Aug-23	0%																								
A2860	MH-02 - Install 60-inch Precast Manhole Base	1	02-Aug-23	02-Aug-23	0%																								
A2870	MH-01 & MH-02 Stack out Manholes and Backfill	2	03-Aug-23	04-Aug-23	0%																								
A2890	MH-01 to MH-03 Excavate Dig Lay Backfill 36-inch Pipe One Stick Out of MH-01	3	03-Aug-23	07-Aug-23	0%																								
A3610	MH-02 to MH-01 CCTV and Mandrel / Test Pipe / Vacuum Test MH-002	1	07-Aug-23	07-Aug-23	0%																								
A2900	MH-02 - MH756003308 - 12" Pipe Stub out into Intersection	3	08-Aug-23	10-Aug-23	0%																								
A2910	MH-01 - MH-02 Pave and Pipe in Area	1	11-Aug-23	11-Aug-23	0%																								
A2920	NWC - MH-03, MH-06, MH-05 and 12-inch Watermain Sawcut / Demo	3	14-Aug-23	16-Aug-23	0%																								
A2930	NWC - MH-01 to MH-03 Dig Lay and Backfill	7	17-Aug-23	25-Aug-23	0%																								
A2940	NWC - MH-03 72-inch MH Install	4	28-Aug-23	31-Aug-23	0%																								
A2950	NWC - MH-03 to MH-04 Install 27-inch Pipe to Edge of Closure	3	01-Sep-23	06-Sep-23	0%																								
A2960	NWC - MH-05 Dig, Lay and Backfill	3	07-Sep-23	11-Sep-23	0%																								
A2970	NWC - MH-05 to MH-06 Dig, Lay, and Backfill 12-inch Pipe	4	12-Sep-23	15-Sep-23	0%																								
A2980	NWC - MH-06 - Dig Lay and Backfill	3	18-Sep-23	20-Sep-23	0%																								
A2990	NWC - MH-05 to MH-06 - Concrete Encasement	2	18-Sep-23	19-Sep-23	0%																								
A3000	NWC - Install Pipe Plugs & MH 899, 793, 113 for Abandonment	2	18-Sep-23	19-Sep-23	0%																								
A3010	NWC - Grout Fill Pipe & MH 899, 793, 113	2	20-Sep-23	21-Sep-23	0%																								
A3220	NWC Vacuum Test Manhole 05 & 06 / Test Pipe and CCTV MH-06 to MH-05	2	21-Sep-23	22-Sep-23	0%																								
A3020	NWC - Backfill Open Trench and Manhole Abandonments	2	22-Sep-23	25-Sep-23	0%																								
A3030	NWC Pave Trench	2	26-Sep-23	28-Sep-23	0%																								
A3140	MH 756013759 - Remove and Abandon Manhole	5	28-Sep-23	05-Oct-23	0%																								
A3160	MH-03 - MH-04 - Dig Lay and Back 27-inch Pipe & 60-inch Polymer Manhole	5	28-Sep-23	05-Oct-23	0%																								
A3480	MH-04 to MH - 01 CCTV, Mandrel, and Vacuum Test Manholes 03 - 04	2	05-Oct-23	09-Oct-23	0%																								
A3540	MH-03 to MH-04 and MH 756013759 Pave	2	05-Oct-23	09-Oct-23	0%																								
A3550	MH-02 - 756003308 - Sawcut & Mill	2	09-Oct-23	11-Oct-23	0%																								
A3040	MH-02 To MH-756003308 - Dig Lay and Backfill	6	11-Oct-23	19-Oct-23	0%																								
A3050	MH 756003308 - Remove Existing Manhole, Cut and Plug Existing Pipe	3	19-Oct-23	24-Oct-23	0%																								
A3670	MH-02 to MH-756003308 - CCTV/Mandrel/ Test Pipe and Test MH 756003308	1	19-Oct-23	20-Oct-23	0%																								
A3060	MH 756003308 - Install New 60-inch Polymer Manhole	2	24-Oct-23	26-Oct-23	0%																								
A3130	MH-02 To MH-756003308 Pave	2	26-Oct-23	30-Oct-23	0%																								
A3300	MH-07 Remove Temp Riser Stack Out with Remaining Polymer and Backfill	3	09-Nov-23	14-Nov-23	0%																								
A3310	MH-07 Pave	1	14-Nov-23	15-Nov-23	0%																								
A3560	MH-07 Coat Bench	2	08-Jan-24	09-Jan-24	0%																								
A3680	MH-07 Pull and Spark Test	1	10-Jan-24	10-Jan-24	0%																								
CDWW4 Sewer Rehabilitation		78	05-Oct-23	29-Jan-24	0%																								
A3170	Clean and CCTV 27-inch	1	05-Oct-23	06-Oct-23	0%																								
A3190	Clean and CCTV 24-inch	3	06-Oct-23	11-Oct-23	0%																								

Actual Level of Effort Remaining Work Milestone
Actual Work Critical Remaining Work summary

Activity ID	Activity Name	Original Duration	Start	Finish	Schedule % Complete	2023	Qtr 3, 2023	Qtr 4, 2023	Qtr 1, 2024	Qtr 2, 2024	Qtr 3, 2024	Qtr 4, 2024
A3070	Remove Manhole for Inversion on 39-inch	2	11-Oct-23	13-Oct-23	0%							
A3080	Pre-Video 39-inch and Clean	2	13-Oct-23	17-Oct-23	0%							
A3090	CIPP Line 39-inch	3	17-Oct-23	20-Oct-23	0%							
A3100	Post Pano 39-inch CIPP	1	20-Oct-23	23-Oct-23	0%							
A3150	CIPP 27-inch	3	20-Oct-23	25-Oct-23	0%							
A3110	Reinstall Cone and Repair Manhole on 39-inch	2	23-Oct-23	25-Oct-23	0%							
A3120	Adjust Inversion Manhole on 39-inch	1	25-Oct-23	26-Oct-23	0%							
A3180	Post Pano 27-inch	1	25-Oct-23	26-Oct-23	0%							
A3200	CIPP 24-inch	9	25-Oct-23	07-Nov-23	0%							
A3460	Rehab Manhole Bench (Includes Testing)	3	25-Oct-23	30-Oct-23	0%							
A3210	Post Pano 24-inch	3	02-Nov-23	07-Nov-23	0%							
A3350	15-inch Clean and CCTV	1	07-Nov-23	08-Nov-23	0%							
A3340	15-inch CIPP	2	08-Nov-23	10-Nov-23	0%							
A3360	15-inch CIPP Post Pano	4	10-Nov-23	16-Nov-23	0%							
A3370	MH-756014548 & MH-756002712 - Install Manhole Inserts (Includes Testing)	10	08-Jan-24	19-Jan-24	0%							
A3380	MH-756003304 Install Manhole Insert (Includes Testing)	5	22-Jan-24	26-Jan-24	0%							
A3470	MH Inserts and Bench Rehab - Post Pano	1	29-Jan-24	29-Jan-24	0%							
CDWW5 Sewer Bypass		204	17-May-23	05-Mar-24	0%							
A2420	Sawcut Bypass Trenching North of Galveston to Chandler Blvd	5	17-May-23	23-May-23	100%							
A2440	Mobe HDPE Pipe	3	17-May-23	19-May-23	100%							
A2510	Excavated Trench and Mill Pipe (Galveston to Chandler Blvd)	4	18-May-23	23-May-23	100%							
A2430	Fuse HDPE North of Galveston to Chandler Blvd	5	22-May-23	26-May-23	100%							
A2470	Test Bypass Piping at Trench Crossings	2	26-May-23	29-May-23	100%							
A2500	Build Carla Vista Manifold and Pumpstation Piping	2	29-May-23	30-May-23	100%							
A2490	Galveston to Chandler Blvd. Backfill and Temporary Pave Bypass Trenching	4	30-May-23	02-Jun-23	75%							
A2620	Chandler Blvd Intersection Sawcut Bypass Trenching	1	07-Jun-23*	07-Jun-23	0%							
A2610	Chandler Blvd Intersection Excavate Install Bypass Piping	4	08-Jun-23*	13-Jun-23	0%							
A2530	Chandler Blvd Bypass Lanes Sawcut Trench Line	3	12-Jun-23*	14-Jun-23	0%							
A2540	Chandler Blvd Bypass Trench and Install Bypass Piping	4	14-Jun-23	19-Jun-23	0%							
A2520	Chandler Blvd Bypass Fuse HDPE	5	15-Jun-23	21-Jun-23	0%							
A2740	Carla Vista - Remove Manhole Prep for Suction Pit	5	15-Jun-23	21-Jun-23	0%							
A2560	Chandler Blvd Bypass Backfill and Temp Patch Trench	2	20-Jun-23	21-Jun-23	0%							
A2590	Chandler Blvd Bypass Test Discharge Pipe	1	20-Jun-23	20-Jun-23	0%							
A2780	24-inch Bypass Install and Plumb Pump Station	3	21-Jun-23	23-Jun-23	0%							
A2790	27-inch Bypass Install and Plumb Pump Station	5	21-Jun-23	27-Jun-23	0%							
A2550	Chandler Blvd Bypass at Carriage Establish Discharge Manhole	4	22-Jun-23	27-Jun-23	0%							
A2570	Southeast Corner Bypass Chandler & Dobson Suction Establishment	2	27-Jun-23	28-Jun-23	0%							
A2580	Southeast Corner Bypass Chandler Blvd & Dobson Sawcut	4	29-Jun-23	05-Jul-23	0%							
A2800	12-inch Bypass Install and Plumb Pump Station	2	29-Jun-23	30-Jun-23	0%							
A2600	Southeast Corner Bypass Chandler Blvd & Dobson Trench Discharge Piping	4	30-Jun-23	06-Jul-23	0%							
A2630	Southeast Corner Bypass Chandler Blvd & Dobson Test Buried Pipe	1	06-Jul-23	06-Jul-23	0%							
A2640	Southeast Corner Bypass Chandler Blvd & Dobson Backfill and Temp Patch Pipe	3	07-Jul-23	11-Jul-23	0%							
A2650	Southeast Corner Bypass Chandler Blvd & Dobson Establish Discharge Pipe	4	12-Jul-23	17-Jul-23	0%							
A2750	Install Plugs Start Bypass's	1	18-Jul-23	18-Jul-23	0%							
A2760	Install Level Sensors	1	19-Jul-23	19-Jul-23	0%							

Actual Level of Effort
 Remaining Work
 Milestone
 Actual Work
 Critical Remaining Work
 summary

Activity ID	Activity Name	Original Duration	Start	Finish	Schedule % Complete	Qtr 2, 2023	Qtr 3, 2023	Qtr 4, 2023	Qtr 1, 2024	Qtr 2, 2024	Qtr 3, 2024	Qtr 4, 2024	
						May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A2770	Test Test Run Bypass 24 Hours	1	19-Jul-23	19-Jul-23	0%								
A3240	Shutdown 12-inch Bypass	1	23-Oct-23	24-Oct-23	0%								
A3260	Remove 12-inch Bypass	5	24-Oct-23	31-Oct-23	0%								
A3230	Shutdown 27-inch Bypass	1	26-Oct-23	27-Oct-23	0%								
A3280	27-inch Bypass - Remove Pumps and Piping	3	27-Oct-23	01-Nov-23	0%								
A3270	12-inch Bypass - Backfill Trench and Restore Suction and Discharge Pits	5	31-Oct-23	07-Nov-23	0%								
A3250	Shutdown 24-inch Bypass	1	07-Nov-23	08-Nov-23	0%								
A3320	12-inch Bypass Pave Back all Trenching	3	07-Nov-23	10-Nov-23	0%								
A3290	24-inch Bypass - Remove Pumps and Piping @ Pump Station	3	08-Nov-23	13-Nov-23	0%								
A3330	24-inch and 27-inch Remove Discharge Pit Piping and Restore	5	08-Nov-23	15-Nov-23	0%								
A3400	Chandler Intersection - Remove Bypass Pipe	5	08-Nov-23	15-Nov-23	0%								
A3390	Dobson Road Galveston to Chandler Blvd - Remove Bypass Piping	7	29-Jan-24	06-Feb-24	0%								
A3410	Dobson (Galveston to Chandler Blvd) Paveback Bypass Trenches	2	07-Feb-24	08-Feb-24	0%								
A3440	Chandler Blvd Bypass Piping - Remove Bypass Piping to Carriage	5	21-Feb-24	27-Feb-24	0%								
A3450	Chandler Intersection to Carriage - Backfill Trenches and Pave	5	28-Feb-24	05-Mar-24	0%								
CDWW.6 Watermain Construction						314	16-Aug-23	08-Nov-24	0%	08-Nov-24			
CDWW.6.1 Northwest Corner Chandler & Dobson Intersection (NWC)						35	16-Aug-23	28-Sep-23	0%	08-Nov-24			
A3570	Sawcut and Remove AC	3	16-Aug-23	19-Aug-23	0%								
A1080	Excavate and Install 2ea Permaseal Valves	6	19-Aug-23	26-Aug-23	0%								
A1090	Install SRP Protection (2 ea)	5	19-Aug-23	25-Aug-23	0%								
A1100	Excavate Lay and Backfill 12-inch	12	25-Aug-23	11-Sep-23	0%								
A1140	Install Thrust Blocks at Permaseal Valves	4	26-Aug-23	31-Aug-23	0%								
A1120	Concrete Encase Waterline (39 LF)	5	11-Sep-23	16-Sep-23	0%								
A1110	Pressure Test and Bac-TT	4	16-Sep-23	21-Sep-23	0%								
A1130	Complete Tie Ins to New Valves	2	21-Sep-23	23-Sep-23	0%								
A1150	Complete Abandonment and Cut and Plugs	2	23-Sep-23	26-Sep-23	0%								
A1160	Finestate and Pave Trench	2	26-Sep-23	28-Sep-23	0%								
CDWW.6.2 Watermain Moratorium Work						38	27-Nov-23	19-Jan-24	0%	08-Nov-24			
A3580	Sawcut and Removal AC and Concrete	2	27-Nov-23	28-Nov-23	0%								
A1170	Temp Waterline Installation	4	29-Nov-23	04-Dec-23	0%								
A1200	Install Insert A Valves	4	05-Dec-23	08-Dec-23	0%								
A1210	Watermain Installation Station 56+59 to 62+64	5	11-Dec-23	15-Dec-23	0%								
A1220	Install 8" at Arrowhead Dr.	2	13-Dec-23	14-Dec-23	0%								
A1230	Install Service and 4" BFP at 57+87	2	15-Dec-23	18-Dec-23	0%								
A1240	Pressure Test and Bac-T Arrowhead	4	15-Dec-23	20-Dec-23	0%								
A1280	Install Services and Laterals 58+34 & 58+48	1	19-Dec-23	19-Dec-23	0%								
A1290	Install Services at 60+00 & 60+33 & 60+35	2	20-Dec-23	21-Dec-23	0%								
A1250	Make Swing Connections at Arrowhead	2	21-Dec-23	22-Dec-23	0%								
A1300	Install Service at 61+89	1	22-Dec-23	22-Dec-23	0%								
A1260	Remove Temp Waterline	3	26-Dec-23	28-Dec-23	0%								
A1310	Pressure Test and Bac-T 56+68 to 52+64	4	02-Jan-24	05-Jan-24	0%								
A1320	Tie in 12" at 56+62	1	08-Jan-24	08-Jan-24	0%								
A1270	Finestate and Prep for Concrete and AC	3	09-Jan-24	11-Jan-24	0%								
A1330	Flush and Make Swing Connections on Services and Laterals	2	09-Jan-24	10-Jan-24	0%								
A1440	Complete Cut and Plugs	2	11-Jan-24	12-Jan-24	0%								

— Actual Level of Effort — Remaining Work — Critical Remaining Work
█ Actual Work █ Milestone — summary

A horizontal number line with arrows at both ends. There are three tick marks. The middle tick mark has a red dot above it. The rightmost tick mark has a green dot above it.

Activity ID	Activity Name	Original Duration	Start	Finish	Schedule % Complete	Qtr 2, 2023	Qtr 3, 2023	Qtr 4, 2023	Qtr 1, 2024	Qtr 2, 2024	Qtr 3, 2024	Qtr 4, 2024		
						May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	A2000 Pressure Test and Bac-T Station 49+60 to 56+20	4	16-Feb-24	21-Feb-24	0%									
	A1480 Pressure Test and Bac-T 68+82 to 74+31	4	19-Feb-24	22-Feb-24	0%									
	A2010 Complete 12-inch Connections Station 49+60 to 56+20	2	22-Feb-24	23-Feb-24	0%									
	A1490 Make Swing Connection on Service 72+08	1	23-Feb-24	23-Feb-24	0%									
	A1500 Cut in Tee 12-inch at 74+31	2	26-Feb-24	27-Feb-24	0%									
	A2020 Flush and Connect Services and Laterals Station 49+60 to 56+20	5	26-Feb-24	01-Mar-24	0%									
	A1510 Finegrade for Pavement and Concrete	4	28-Feb-24	04-Mar-24	0%									
	A1520 Cut & Plug Existing Main	3	28-Feb-24	01-Mar-24	0%									
	A1530 Abandon Old Main Arrowhead to Chippewa	3	04-Mar-24	06-Mar-24	0%									
	A2030 Abandon Pipe and Cut & Plugs	3	04-Mar-24	06-Mar-24	0%									
	A1540 Curb and Valley Gutter Replacement 68+82 to 74+31	4	05-Mar-24	08-Mar-24	0%									
	A2040 Fine Grade for Concrete and Pavement	2	07-Mar-24	08-Mar-24	0%									
	A1550 Pavement Replacement Station 68+82 to 74+31	1	11-Mar-24	11-Mar-24	0%									
	A2050 Concrete Replacement	3	11-Mar-24	13-Mar-24	0%									
	A2060 Pavement Restoration	1	14-Mar-24	14-Mar-24	0%									
	CDWW.6.5 Watermain Eastbound Chandler Blvd (Sta. 32+00 to 61+81)	66	26-Jun-24	27-Sep-24	0%									
	A2070 Sawcut and Removals	8	26-Jun-24	08-Jul-24	0%									
	A2080 Install 12-inch Connection Station 32+00 to Station 61+81	30	28-Jun-24	09-Aug-24	0%									
	A2090 Install Laterals and Services	18	18-Jul-24	12-Aug-24	0%									
	A2110 Pressure and Bac-T Testing	4	13-Aug-24	16-Aug-24	0%									
	A2170 Landscape Restoration	4	13-Aug-24	16-Aug-24	0%									
	A2120 Lateral Connection	5	19-Aug-24	23-Aug-24	0%									
	A2130 Connection at Station 61+81	2	26-Aug-24	27-Aug-24	0%									
	A2160 Complete Abandonment and Cut and Plugs	4	28-Aug-24	03-Sep-24	0%									
	A2100 Finegrade for Concrete and Paving	6	03-Sep-24	10-Sep-24	0%									
	A2150 Concrete Restoration	7	11-Sep-24	19-Sep-24	0%									
	A2140 Pavement Restoration	6	20-Sep-24	27-Sep-24	0%									
	CDWW.6.6 Watermain Chippewa	22	15-Mar-24	15-Apr-24	0%									
		A1560 Sawcut and Removals	3	15-Mar-24	19-Mar-24	0%								
		A1570 Cut In 16-inch Tee	3	20-Mar-24	22-Mar-24	0%								
		A1580 Install and 8-inch Laterals with Hydrant	3	22-Mar-24	26-Mar-24	0%								
		A1590 Pressure Test and Bac-T Lateral	4	27-Mar-24	01-Apr-24	0%								
A1600 Connect 8-inch Lateral		1	02-Apr-24	02-Apr-24	0%									
A1640 Complete Abandonment and Cut and Plugs		3	03-Apr-24	05-Apr-24	0%									
A1610 Complete Concrete and Grading		2	08-Apr-24	09-Apr-24	0%									
A1620 Pavement Replacement		1	10-Apr-24	10-Apr-24	0%									
A1630 Landscape Restoration		3	11-Apr-24	15-Apr-24	0%									
CDWW.6.7 Watermain Interconnect (Sta. 44+80)		14	22-Oct-24	08-Nov-24	0%									
		A2180 Sawcut and Removals	2	22-Oct-24	23-Oct-24	0%								
		A2190 Install 12-inch Pipe	5	24-Oct-24	30-Oct-24	0%								
		A2200 Pressure Test and Bac-T	4	31-Oct-24	05-Nov-24	0%								
		A2210 Connect to Existing Line	1	06-Nov-24	06-Nov-24	0%								
		A2220 Finegrade for Asphalt	1	07-Nov-24	07-Nov-24	0%								
		A2230 Pavement Replacement	1	08-Nov-24	08-Nov-24	0%								
CDWW.6.8 Watermain Interconnect (Sta. 55+63)	18	30-Sep-24	23-Oct-24	0%										
	A2280 Sawcut and Removals	2	30-Sep-24	01-Oct-24	0%									

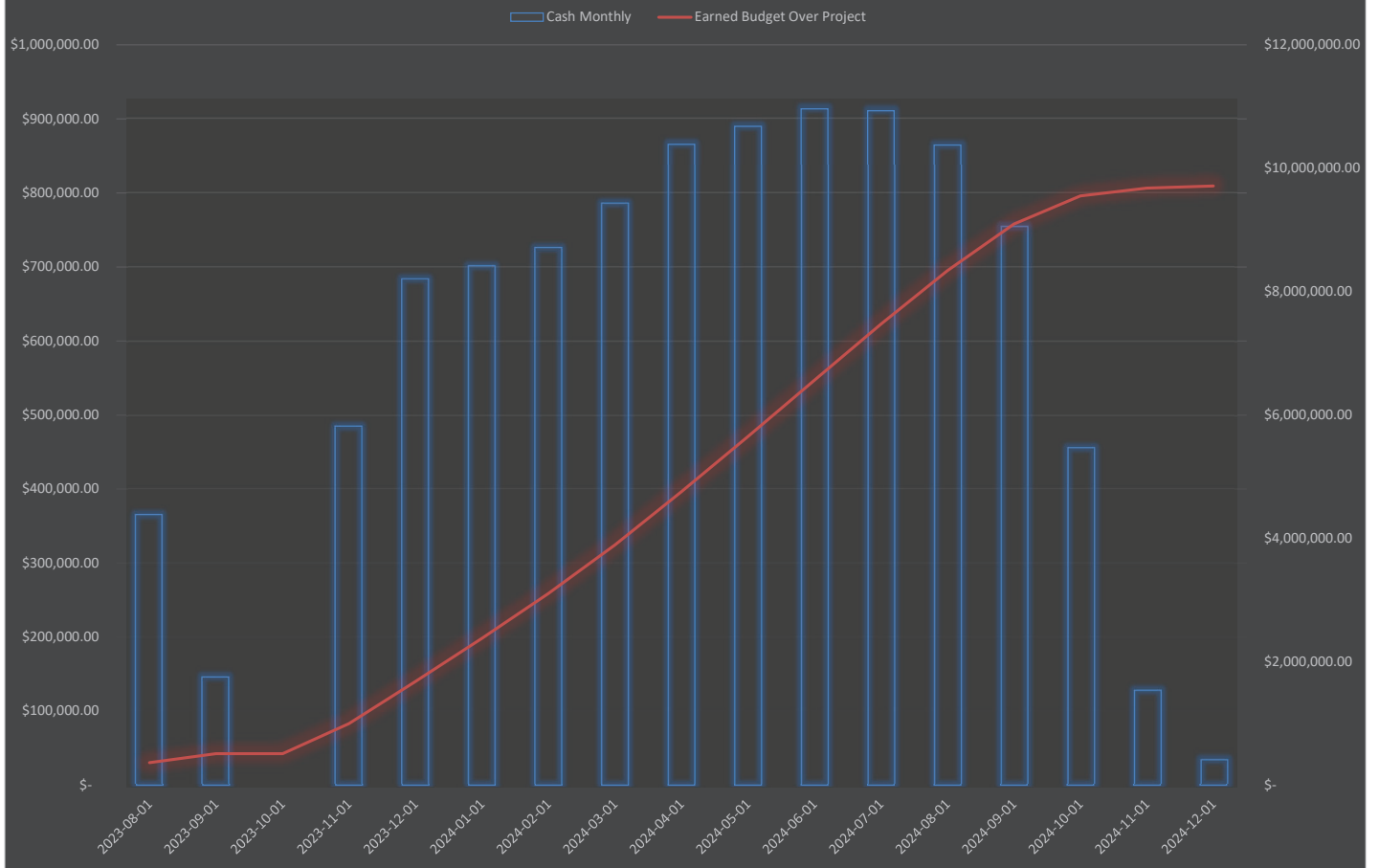
Actual Level of Effort
 Remaining Work
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CONTRACTING
— Since 1990

D7: CASH FLOW

Exhibit D8: Chandler Blvd & Dobson Watermain GMP-002 & GMP-003 Cashflow Projection





CONTRACTING
— Since 1990

D8: RISK REGISTER

Chandler Blvd. Dobson to Chippewa Watermain Replacement Project
GMP-003 Cost Model Risk Matrix

Undesirable (Serious impact to the course of action and outcome)	Probable (Risk will occur)
Unrecoverable (Could result in disaster)	*View Risk Assessment Matrix JPDF attached to sheet 7 for details.

Chandler Dobson Water Project													
Sewer Installation													
City of Chandler													
Josh Onstott													
ID	FLAG	IDENTIFIED RISK		BRIEF DESCRIPTION	RISK SEVERITY	RISK LIKELIHOOD	RISK RATING CALCULATION (this section will auto-populate results)	ACTION (this section will auto-populate results)	MITIGATIONS / WARNINGS / REMEDIES / NOTES	Probability Percentage	B/E Cost Impact Potential Impact	Potential Contingency	
WMR-01		Trench Collapse	Josh Onstott	Run higher yield on back fill and pavement quantities	Tolerable	Probable	High	CONTINGENCY PLAN	Backfill behind box limit open trenches	25%	\$ 161,588.00	\$ 40,397.00	
WMR-02		Excess Asphalt Replacement due to equipment	Josh Onstott	Run higher yield on back fill and pavement quantities	Tolerable	Probable	Low	OK TO PROCEED	Run a calculation to add to contingency	25%	\$ 165,850.00	\$ 41,462.50	
WMR-03		Material Escalation	Josh Onstott	Material have 6 month increases that are not known	Tolerable	Probable	High	CONTINGENCY PLAN	Material all have disclaimer that the price will increase twice during this project for most aggregate materials and additional cost will be incurred.	25%	\$ 52,000.00	\$ 13,000.00	
WMR-04		Utility Conflict	Josh Onstott	Unknown utility prevent running line	Undesirable	Improbable	Medium	TAKE MITIGATION EFFORTS	Potable as many as possible of know utilities and apply contingency if needed. Prepare contingency estimate if a relocation is needed to cover the excess cost associated with the delay.	5%	\$ 13,744.32	\$ 687.22	
WMR-05		Labor Escalation	Josh Onstott	Prices of labor have spiked over 18% in the past 15 months and this trend is expected to slow its still a concern and possibility	Acceptable	Possible	Low	OK TO PROCEED	Utilize an average over the company 15 months and apply to all labor hours into contingency.	30%	\$ 168,527.20	\$ 50,558.16	
WMR-06		Equipment Cost Escalation	Josh Onstott	Prices of equipment have went up and parts over 20% in the past years. Likely hood it could continue	Acceptable	Possible	Low	OK TO PROCEED	Average 20% from time of cost model to end of construction	30%	\$ 133,312.41	\$ 39,993.72	
WMR-07		Delays due to isolation issues	Josh Onstott	Delay to complete work due to shutdown failure	Undesirable	Possible	Medium	TAKE MITIGATION EFFORTS	Delay tie overs add cost standby cost	5%	\$ 30,700.00	\$ 1,535.00	
WMR-08		Concrete Quantity Growth	Josh Onstott	Due to alignment of watermain the expectation to ave increases in concrete aprons, ADA ramps, driveways.	Undesirable	Probable	Medium	TAKE MITIGATION EFFORTS	Try to avoid damage and work with COC on replacement on aprons to mitigate extra cost over planned quantities	50%	\$ 116,328.89	\$ 58,164.45	
WMR-09		Traffic Control Overrun of Allowance	Josh Onstott	Due to complex setup and multiple different scenarios at this time there could be chance of overrun with out having a defined plan.	Acceptable	Improbable	Low	OK TO PROCEED	Based on final discussion adjust TCP and schedule to account for outcome	20%	\$ 123,750.00	\$ 24,750.00	
WMR-10		Overrun Soft Dig Support	Josh Onstott	Due to the amount of utilities in the running line and the encountered digging conditions the budget established through conservative estimates could run over based on the time and depth to get around the existing utilities.	Acceptable	Possible	Low	OK TO PROCEED	Prepare contingency for 40 extra hours for additional soft dig support.	30%	\$ 20,400.00	\$ 6,120.00	
WMR-11		Fuel Escalation	Josh Onstott	Fuel raises over \$5.5 a gallon	Undesirable	Possible	Medium	OK TO PROCEED	Estimate for a contingency for a fuel increase of \$1.00 gallon over the life cycle of the project.	50%	\$ 114,000.00	\$ 57,000.00	
WMR-12		Overrun due to slower-than-expected production due to delays	Josh Onstott	During exploratory work in the intersection multipleunknown and abandoned utilities where encountered that were not on the plans and each caused a delay to determine the line until cleared.	Undesirable	Probable	High	TAKE MITIGATION EFFORTS	Taking the crew composition at the hourly rate to determine if 30 utilities are encountered that cause up to a hour delay	50%	\$ 152,160.00	\$ 76,080.00	
12-Inch Sewer Installation			Josh Onstott								Section Subtotal	\$ 1,252,360.82	\$ 409,748.04
											Totals	\$ 1,252,360.82	\$ 409,748.04
											Markup %	\$ 64,863.12	
											GMP-002 Contingency		\$ (1285,881.64)
											Potential Contractors Contingency	\$ 188,729	

EXHIBIT "E"
SUBCONTRACTOR DOCUMENTS WITH CONTRACTOR

Any subcontractor assumptions, clarifications, exclusions, terms & conditions, signature blocks, etc. included are strictly between the Contractor and their subcontractors, and do not apply to the Agreement between the Contractor and the City.

June 15, 2023

Scott Riter – Construction Project Manager
City of Chandler – Public Works & Utilities
215 E Buffalo Street
Chandler, AZ 85225

RE: Name: Chandler Blvd and Dobson Road Watermain Replacement Project
Project No.: WW2005.403

SUBJECT: Subcontractor and Material Selection – GMP-003

Dear Mr. Riter,

B&F Contracting, Inc. respectfully submits, for your review, our GMP-003 subcontractor and material selection for the forementioned project. The project materials and subcontractors were established in GMP-002 and this GMP has the same solicitation as submitted in GMP-002.

Included in this package are the following documents:

- Subcontractor and Material Quotes
- Allowance Explanation

We are excited about the opportunity to work with the City of Chandler and look forward to discussing this soon. If you or your team have any questions or comments regarding the above items, please contact Josh Onstott at (623)238-3792.

Sincerely,

Josh Onstott

Josh Onstott – Executive Director
Jonstott@bfcontracting.com
B&F Contracting, Inc.



Proposal

Corporate: 11011 N. 23rd Ave. Phoenix, AZ 85029

Office: 623-582-1170|Fax: 623-582-3761

Tucson: 1904 W. Prince Rd. Tucson, AZ 85705

Office: 520-207-8228|Fax: 520-305-3323

AZ Licenses: ROC-089744 A General Contracting

ROC-111282 B-04 General Engineering

Subcontractor RFQ Analysis Report

Project Name: Chandler Dobson Water Install Project	Customer: City of Chandler
Job Number: W22351 Bid Number: W22351	Billing Address: Mail Stop 407, P.O. Box 4008
Bid As: B&F Contracting, Inc.	Chandler, AZ 85244 USA
Estimator: Joshua Onstott	Phone: 4807823310
Project Address: Chandler Blvd/ Dobson Rd, Chandler, AZ	Contact: Melanie Sikes
Completion Date: 8/1/2024	

RFQ Group: Asphalt Pavement

Subcontractor Information

Quote	Company Name	Location	Contact	Phone	Minority
1	P1 Paving & Construction	Peoria, AZ		(602) 359-0100	
2	L&L Asphalt LLC	Phoenix, AZ		(623) 434-1200	
3	Gonzalez Asphalt, Inc.	Phoenix, AZ		(623) 594-2245	

Item and Task Prices

Description	Quantity	UM	Quote 1	Quote 2	Quote 3	Quote 4
[1] - Asphalt Mobilization	16.00	EACH	\$1,500.00	\$1,500.00	\$0.00	\$0.00
[10] - Replace AC Trench Paving	3,345.00	SY	\$80.70	\$92.00	\$103.50	\$0.00
Total Quoted Price:			\$293,941.50	\$331,740.00	\$346,207.50	\$0.00
Plug Total For Items and Tasks Not Quoted:			\$0.00	\$0.00	\$0.00	\$0.00
Adjustments:			\$0.00	\$0.00	\$0.00	\$0.00
Total Adjusted Price:			\$293,941.50	\$331,740.00	\$346,207.50	\$0.00



P1 Paving and Construction LLC

8550 N 91ST AVE STE. 65 PEORIA, ARIZONA 85345

OFFICE: (623) 594-7174 FAX: (623) 594-7159

PROPOSAL

CUSTOMER

ATTN: Amit Satre – B&F Contracting

SUBJECT: Chandler Dobson Water Improvement Project

ADDRESS: Dobson Road & Chandler Blvd

P1 Paving and Construction submits the following proposal for your consideration and acceptance.

A) Mill 6.5" depth, clean, furnish, place and compact 6.5" depth AC – 2 mixes – 5,100 SY –
\$80.70 / SY
\$411,570

B) Furnish, place and compact 6.5" depth AC – 2 mixes – 5,100 SY –
\$67.90 / SY
\$346,290

MOBILIZATION - \$1,500 each

All paving / patching includes crack seal. – Additional crack seal to be billed at \$.45 / SF and not to be done as a separate mobilization.

Fog seal – 32,000 SY – includes 2 mobilizations \$16,500

Proposal includes/excludes the following:

Saw Cutting	yes	___	no	<u>x</u>	Utility adjustments	yes	___	no	<u>x</u>	Prevailing Wage	yes	___	no	<u>x</u>
Survey & Engineering	yes	___	no	<u>x</u>	Slurry / Micro Seal	yes	___	no	<u>x</u>	Sales Tax	yes	___	no	<u>x</u>
Sub-Grade Prep	yes	___	no	<u>x</u>	Rubberized Asphalt	yes	___	no	<u>x</u>	Permits & Testing	yes	___	no	<u>x</u>
Concrete haul off	yes	___	no	<u>x</u>	Barricades	yes	___	no	<u>x</u>	Nights/Weekends	yes	___	no	<u>x</u>
Haul off Asphalt	yes	x	no	___	Hot Rubber Asphalt Joint	yes	x	no	___	Plant opening fees	yes	___	no	<u>x</u>
Removals	___	___	___	___	Sealer	___	___	___	___		___	___	___	___

PROVISIONS:

1. All work is to be measured upon completion and will be billed at the unit cost for the measured quantities with minimum invoice for the quantity of work stated in the description of work above.
2. Work will not be scheduled until an acceptable contract containing these unit prices, inclusions, exclusions and provisions have been signed by both parties.

Matt Tormey

P1 Paving and Construction LLC

DATE: 04/11/2023

PRICE GOOD THRU: 08/31/2023

ACCEPTED BY: _____

Gonzalez Asphalt Inc.

3001 W Lincoln, Phoenix, AZ 85009

Tel 623-594-2245 Fax 623-243-6429

Estimating@gonzalezasphalt.com (Robert)

tony.rose@gonzalezasphalt.com (Tony)



Project Name:	Dobson/Chandler Intersection Water
Project Location:	
	Chandler AZ

Proposal #	2023-250
Date:	4/5/2023

Line Item #	Description of work	UNIT	Quantity	Unit Price	Total Price
1	Asphalt Patching (6.5" depth) 5.5 wide areas 3100 SY 4.5 Wide areas 1800 SY Laterals 200sy includes crackfill for the above work	SY	5100	103.50	527,850.00
2	Crackfill	LF	1	1.00	1.00
3	Fog Seal	SY	32000	1.62	51,840.00
	Asphalt 2" A12.5 on 4.5" A19				
	DBE/SBE Certified			Total	579,691.00

Lic # 283318 A Gen Engineering

Proposal Valid for 30 Days

Engineer:

Per plans

Plan Date:

Exclusions:

Bonds, permits, taxes, testing, engineering, striping and signage, Prime coat, Seal coat, Traffic control, traffic plan, barricades, concrete work, Underground Work, underground removals & relocations, Site Clearing, Site Grading
Site Haul Off of Spoils

To accept this proposal, sign and date

X: _____

L & L Asphalt LLC

P.O. Box 73440
Phoenix, AZ 85050

Voice: 623-434-1200

Fax: 623-434-1202

City of Phoenix Certified WBE/DBE/SBE



PROPOSAL

Proposal Number: 4701B
Proposal Date: Apr 18, 2023
Page: 1

Asphalt ROC 215796

To:

B & F Contracting Inc
11011 N. 23rd Ave
Phoenix, AZ 85029

Phone 623-582-1170

Job Name and Location:

B & F Contracting Inc
Chandler Dobson Water Improvement
Chandler & Dobson Road
Chandler, AZ

Customer Phone Number	PO Number	Sales Rep Name
623-582-1170		
Customer Fax Number	Customer Contact	Payment Terms
623-582-3761	Mike Cruse	Net 30 Days

L & L Asphalt will furnish all labor, equipment, and materials to complete the scope of work as listed below for the unit prices below;

Quantity	Unit	Description	Unit Price	Amount
7,150.00	SY	6-1/2" Thick Asphalt Mill/Sweep & Haul Off. Finegrade & Compact Existing Base Course For New Asphalt Pavement.	28.00	200,200.00
7,150.00	SY	Permanent Asphalt Pavement 6-1/2" Thick. (4" Thick 3/4 EVAC PG70-10 Base Course & 2-1/2" Thick 1/2 EVAC PG70-10 Surface Course)	64.00	457,600.00
18.00	EA	Jobsite Mobilization PRICE INCLUDES CRACKFILL FOR ASPHALT TRENCH JOINTS ONLY MATERIAL PRICE GOOD TILL 9/30/23 ADD \$3.00 PER TON GOOD TILL 12/31/23.	1,500.00	27,000.00

INCLUSIONS:

1. Apply tack coat to edges only.
2. Mobilizations Listed On Quote. Any additional will be charged at Price listed.
3. Payment based on actual field measurements and thicknesses.

EXCLUSIONS: (Items listed are excluded from price unless noted otherwise.)

- | | |
|--|--|
| 1. Bond, Taxes and Permits/ Sales Tax On Material. | 6. Asphalt Milling/Sawcut Of Any Kind. |
| 2. Testing (On or Off-Site). | 7. Utility Adjustments |
| 3. Surveying/Layout/ Staking. | 8. Subgrade Preparation Of Any Kind. |
| 4. Water supply and usage charge. | 9. Stamped or decorative asphalt. |
| 5. Traffic Control/Barricades of any kind. | 10. Premium(Overtime) & Weekend Work. |
| | 11. Prime Coat/Crack Fill/Seal Coat/Slurry Seal. |

SPECIAL PROVISIONS:

1. This proposal is valid until April 30, 2023. If work is scheduled after that time we reserve the right to revise our prices based on the increases.

Subtotal	684,800.00
Sales Tax	
TOTAL PROPOSAL AMOUNT	684,800.00

Rita Lawrence: Rita@llasp.com
Doerfler: JohnDoerfler@yahoo.com

L & L Asphalt, LLC

4/18/23
Date

Accepted By: B & F Contracting Inc

Date



Job Name: Chandler Boulevard and Dobson Road Sewer and Water Improvements
Job Number: WW2005.252
Owner: City of Chandler
Address 975 E. Armstrong Way, Building L
 Chandler, Arizona - 85286

SOLICITATION SUMMARY

AGGREGATES

B&F CONTRACTING, INC.

Corporate HQ: 11011 N. 23rd Ave., Phoenix, AZ 85029
Office: 623-582-1170 | Fax: 623-582-3761
Arizona Licenses: ROC-089744, ROC-111282
Date: 3/13/2023
Revision: 0

SUPPLIER	MATERIAL AND UNIT RATES							
	MAG ABC		COLD PATCH		WASHED SAND		Hot Mix	NOTES
Desert Ready Mix	\$	21.44	\$	45.45	P \$	33.00		
Martin Marietta	\$	28.50	P \$	148.20	\$	33.00		
Vulcan	\$	22.20	\$	148.20	\$	28.85	\$ 83.35	

NOTES: Used \$22 dollars in the estimate to as a average cost between to the two lowest bidders.



DESERT READY MIX

READY MIX CONCRETE SALES AND SERVICE

4011 PRESIDIO STREET

MESA, AZ 85215

OFFICE: 480-428-2280 FAX: 480-985-4248

Begin Date: February 22, 2023

Expiration Date: **October 1, 2023**

Quote # : 18138

MAP/GRID 167-31

Customer: **B & F CONTRACTING INC**

Customer Code: BFCO001

Address: 11011 N 23RD AVE
PHOENIX, AZ 85029

Contact: AMIT SATRE (ESTIMATOR)

Phone: 623-582-1170

Fax:

Project: **CHANDLER DOBSON SEWER IMPROVEMENTS**

Job Address: DOBSON ROAD & CHANDLER BLVD

Terms Description: **2% 10TH NET 30**

Item Code	Item Description	Est. Qty	Price
S500501	PHCLSM.5 (1/2 SACK SLURRY COP)	Per Yard	\$115.00
SRP104	1/2 SACK MAG CLSM (SRP MIX IF NEEDED)	Per Yard	\$115.00
S501001	PHCLSM1 (1 SACK SLURRY)	Per Yard	\$119.00
SRP105	1 SACK MAG CLSM (SRP MIX IF NEEDED)	Per Yard	\$119.00
A202001	MAG C 2000 PSI	Per Yard	\$146.00
A202501	MAG B 2500 PSI	Per Yard	\$150.00
A203001	MAG A 3000 PSI	Per Yard	\$154.00
A204001	MAG AA 4000 PSI	Per Yard	\$162.00
TC	TEMPERATURE CONTROL	Per Yard	\$1.00
AG010003	MAG SPEC ABC (NON-LIME) DELIVERED	Per Ton	\$18.50
AG010004	MAG SPEC ABC (LIME TREATED) DELIVERED	Per Ton	\$21.50
COLD MIX	ASPHALT COLD MIX DELIVERED	600	\$45.45

Additional Fees

Fee ID *	UOM	Price
E01	Per Yard	\$3.25
FSC	Per Load	\$TBD

Minimum Load Fee

Less than or equal to	UOM	Price
2 Yards	Load	\$0.00
3.5 Yards	Load	\$0.00
5.5 Yards	Load	\$0.00



DESERT READY MIX

READY MIX CONCRETE SALES AND SERVICE

4011 PRESIDIO STREET

MESA, AZ 85215

OFFICE: 480-428-2280 FAX: 480-985-4248

- Normal operating hours are Mon-Fri, Sat, Sun or Holidays are subject to surcharges.
- Color added at no expressed guarantee.
- Drivers do not accept cash or make change.
- Desert Ready Mix reserves the right to increase prices due to RAW Material cost increases such as Cement, Fly Ash, Aggregates or unexpected Fuel increases.
- All specialized aggregate sales are based on availability.
- Concrete deliveries less than 6 Cubic yards and Aggregates deliveries are subject to our minimum load charges.
- This quote does not guarantee product or service availability
- All Aggregates and Concrete loads have an additional fuel surcharge.
- 10.31.23 \$10.00 per ton increase for Cold Mix.
- 10.31.23 \$1.00 per ton increase for Non-lime ABC.
- 10.31.23 \$2.00 per ton increase for Lime Treated ABC.

Quoted By:

BRUCE A. TABET



Account Name : B & F CONTRACTING INC

Account Number : 992678

Customer Address: 11011 N 23RD AVE, PHOENIX, AZ 85029-4828, US

Customer Contact:

**Project Name: DOBSON SEWER & WATER
IMPRVTS PROJECT**

Project Address:
DOBSON RD & CHANDLER RD
CHANDLER, AZ 85224, County

Quote ID: 50140153
Quote Date: 2/23/2023
Quote Expiration: 4/30/2023

Martin Marietta is pleased to quote prices on the following products for the above listed project:

Product	Product ID	Plant	Quantity	UM	Unit Price	Haul Rate	Truck Type	Total Price Per Unit
SAND - CONCRETE	4528	Coolidge Aggregates	1	TN	\$19.00	\$14.00 (Ton)		\$33.00
MAG ABC(AGGREGATE BASE COURSE)	4618	Coolidge Aggregates	1	TN	\$14.50	\$14.00 (Ton)		\$28.50

PAYMENT TERMS NET 30 FROM DATE OF INVOICE

THE FOLLOWING PRICING IS FOR ACCEPTANCE BY THE QUOTE EXPIRATION DATE LISTED ABOVE. IF NOT ACCEPTED BY THE ABOVE DATE, ALL PRICES STATED HEREIN ARE VALID ONLY AT THE OPTION OF MARTIN MARIETTA MATERIALS INC.

ALL SALES ARE PRESUMED TO BE TAXABLE UNLESS AND UNTIL A COMPLETE AND ACCURATE SALES TAX EXEMPTION CERTIFICATE IS RECEIVED. QUOTED PRICES DO NOT INCLUDE SALES TAX.



Account Name : B & F CONTRACTING INC

Account Number : 992678

Customer Address: 11011 N 23RD AVE, PHOENIX, AZ 85029-4828, US

Customer Contact:

Terms:

1. This quotation will be valid for a period of thirty (30) days unless otherwise set forth on the face hereof. In order to make it a binding agreement, the Customer must accept all of its terms by either signing and returning a copy to Martin Marietta or by accepting products sold by Martin Marietta within that period of time. Any quotation that does not become binding prior to the quote expiration date above will lapse.
2. If the terms of this quotation are accepted, it will constitute an agreement under which Martin Marietta will sell the products shown to the Customer, and the Customer will purchase such products from Martin Marietta, for the prices indicated, during the time period specified at the time of sale or agreed to by the parties in writing.
3. At the time of shipment, Martin Marietta warrants good title and conformance to the specifications set forth on the face hereof or, if no specifications are so referenced, the customary specifications of Martin Marietta for such products from the facility of Martin Marietta indicated above. No other specifications will apply, including, without limitation, those relating to moisture. Other than the warranties stated in the first sentence of this paragraph, MARTIN MARIETTA HEREBY EXCLUDES ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, WRITTEN OR ORAL, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND ALL WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO THE PERFORMANCE OF ITS AGGREGATES, WHETHER WITH RESPECT TO ALKALI-AGGREGATE REACTIVITY. IF PRODUCT IS UNSATISFACTORY, MARTIN MARIETTA'S LIABILITY IS LIMITED TO FURNISHING REPLACEMENT MATERIAL. IN NO EVENT SHALL MARTIN MARIETTA BE LIABLE TO CUSTOMER FOR LOSS OF PROFITS OR REVENUE OR FOR ANY OTHER CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES.
4. All products will be delivered FOB at the particular facility of Martin Marietta indicated above or as otherwise shown. Deliveries will occur in a manner that conforms to customary industry practice. If deliveries are to occur at a jobsite, a safe and secure delivery area must be provided by the Customer. Deliveries made inside curb line or on the lot are at Customer's risk only, and Martin Marietta accepts no responsibility whatsoever for damage resulting from such deliveries.
5. The Customer will be responsible for all compaction and other preparatory work required at the jobsite prior to the placement of the products shown. Martin Marietta will not be responsible for any problems that may arise if such preparatory work is not properly performed.
6. The prices set forth above are based upon the provisions of this quotation and the customary production and delivery practices of Martin Marietta. If the Customer hereafter requests action by Martin Marietta that is not customary, Martin Marietta will attempt to comply with the request, subject to the following:
 - A. If the Customer requests additives to products which are not a part of the applicable specifications described above, they will be added by Martin Marietta, if available, and an amount equal to the then standard price of Martin Marietta for such additives will be added to the purchase price. Customer remains responsible for determining appropriate specifications and additives, if any, appropriate for its specific project.
 - B. If the Customer requests delivery FOB at the jobsite in trucks or trailers that are different from customary tractors with end or bottom dump trailers, Martin Marietta will attempt to comply with such request and, if successful, will add the then standard prices of Martin Marietta for such trucks or trailers to the purchase price.
 - C. If the Customer requests deliveries of products at night or on weekends or holidays, Martin Marietta will attempt to comply with such request, subject to sufficient advance notice and a prior agreement with the Customer regarding additional charges for such services that will be added to the purchase price.
7. In addition, Martin Marietta may also add amounts to the purchase prices to reflect fuel surcharges that are imposed by third parties in connection with any shipment of the products shown or any materials that are used in the production thereof, or any other recuperative charges that are then applied by Martin Marietta to similar sales. Demurrage charges will begin after the first hour of waiting at the jobsite and will be \$50 per hour per truck, charged in no less than 30 minute increments.
8. Shipments are subject to prior credit approval. If credit is approved, all payments must be made in accordance with the then applicable credit policies of Martin Marietta, and if not so made, the agreement that is contemplated herein may be terminated by Martin Marietta immediately. Terms of payment are net 30 days following date of invoice, and payment is not dependent on receipt of payment by Customer from Owner or others. If not paid when due, Customer agrees to pay interest charges at the rate of 1.5% per month or the maximum lawful rate, whichever is lower, and Martin Marietta's reasonable costs of collection, including reasonable attorney's fees.
9. All deliveries of products are subject to delays that may be experienced by Martin Marietta in connection with adverse weather conditions, labor disputes, strikes, sabotage, war, governmental action, mechanical failures, inventory shortages, rail or truck transportation, and other similar events. Under such circumstances, Martin Marietta shall have the additional time needed to complete the order and/or the right to allocate the available supply in any manner it selects.
10. The Customer will be responsible for any taxes owed as a result of the sale of products hereunder unless the Customer provides Martin Marietta with a valid tax exemption certificate or other documentation properly indicating that such taxes should not be collected.
11. Martin Marietta shall not be deemed to have waived any right, power, privilege or remedy unless such waiver is expressly in writing and duly executed. No partial exercise, failure to exercise, delay in exercising or course of dealing with respect to any right, power, privilege or remedy shall operate as a waiver thereof by Martin Marietta or of any other right, power, privilege or remedy.
12. These terms shall control the sale and purchase of the products shown and shall be a part of the Customer's purchase agreement and may not be modified or altered in any way unless expressly approved in writing by a duly authorized representative of Martin Marietta. Any acceptance by the Customer that changes the terms hereof will not be effective. Martin Marietta is not bound by any Prime Contract between Owner and Customer which Seller has not signed.
13. The laws of the state of North Carolina shall govern the validity, interpretation, construction and effect of these terms and conditions and any Order,



Account Name : B & F CONTRACTING INC

Account Number : 992678

Customer Address: 11011 N 23RD AVE, PHOENIX, AZ 85029-4828, US

Customer Contact:

without regard to principles of conflict or choice of law.

BY SIGNING BELOW OR ACCEPTING PRODUCTS SOLD BY MARTIN MARIETTA, THE CUSTOMER AGREES TO BE BOUND BY THE TERMS AND CONDITIONS FOLLOWING THIS SIGNATURE LINE:

Signature

Print Name

Date

Should you have any questions concerning this quote, please contact

DONALD REA at Donald.Rea@martinmarietta.com

Quotation

Attn: AMIT SATRE

Quote Name: DOBSON ROAD & CHANDLER BLVD INTERSE
Quote #: 558491

B & F GENERAL CONTRACTING
11011 N 23RD AVE
PHOENIX, AZ 85029
Acct#: 213518

N DOBSON RD & W CHANDLER BLVD / CHAN
AZ051096
CHANDLER, AZ 85224

Date:	Monday, February 27, 2023	Sales Rep :	Kristin Gigis
Quote Created:	Monday, February 27, 2023		2526 E University Drive
Effective From:	Monday, February 27, 2023	Phone:	PHOENIX, AZ 85034
Quote Expiration:	Sunday, March 26, 2023	Fax :	(480) 208-1056
Price Expiration:	Saturday, September 30, 2023	Email:	gigisk@vmcmail.com

Special Instructions:

All daily orders under 100 tons of asphalt are subject to Gomez Pricing plus the haul.
This quote is limited to acceptance within 30 days from the date of this quotation, after which time the quotation is subject to review and revision.

Material quoted based on no specs reviewed. If any changes or different materials are required, the material is subject to price adjustment.

PLANT PREMIUMS

Prices quoted are for delivery during regular business hours - Monday thru Friday, 6 AM to 5 PM. Plant Premium for Monday - Friday night production (per 8-hour shifts) will be charged \$2,000.00 per shift. Plant Premium for Saturday production (per 8-hour shifts) will be charged \$1,000.00 per shift. Plant Premium for Sunday production (per 8-hour shifts) will be charged \$2,000.00 per shift. Any overtime will be charged at \$350.00 per hour.

TRUCKING ADDITIONAL FEES

Trucking is based on availability. The delivered price is based on 23.50 tons (full load); a short load fee will apply if under 23.50 tons. Truck stand-by will be charged on-site after the first 20 minutes at the rate of \$100 per hour or \$1.67 per minute. All night work will be subject to an 8-hour minimum hourly haul charge and subject to additional charges pending the hauler charging an additional 8 hrs due to days worth of work that is lost. Any cancellation of night work needs to be done 24 hours ahead of schedule. All weekend work will be subject to a 4-hour minimum hourly haul charge. Vulcan materials will not be held responsible for schedule impacts due to trucking shortages.

Vulcan's obligation to supply asphalt to Customers pursuant to this quote is subject to availability of liquid asphalt. If liquid asphalt is not available to Vulcan in sufficient quantities due to shortages, allocations, or other factors beyond Vulcan's control, Vulcan shall have no obligation to supply asphalt to Customer pursuant to this quote. In the event of a conflict between the terms of this quote and the terms of any purchase order or any other agreement between Vulcan and Customer, the terms of this quote shall control.

Plant	Product Name	Product #	Qty	U/M	FOB Plant	Haul Rate	Delivered
LITCHFIELD RESALE	MAG SPEC ABC P105	1627P105	852	Tons	\$13.00	9.20	\$22.20
		Truck Type	STD FRT RATE				

SAND & GRAVEL

Plant	Product Name	Product #	Qty	U/M	FOB Plant	Haul Rate	Delivered
WEST BROADWAY SAND & GRAVEL	MAG SPEC ABC	16272	852	Tons	\$16.50	13.80	\$30.30
		Truck Type	STD FRT RATE				
VAL VISTA SAND & GRAVEL	WASHED CONCRETE SAND	31822	1	Tons	\$19.00	9.85	\$28.85
		Truck Type	STD FRT RATE				

ASPHALT

Plant	Product Name	Product #	Qty	U/M	FOB Plant	Haul Rate	Delivered
GOMEZ HMA	3/8 COLD	456800	30	Tons	\$135.00	13.20	\$148.20
		Truck Type	STD FRT RATE				

Other Charges

Environmental Fee -Agg & Asphalt at \$4.00 / Load

FUEL SURCHARGE HAUL ONLY at 10.00% / Percent of Amount

Prices quoted above do not include any state or local sales and use tax, if any applies for this project.

Prices quoted are for shipments during normal daytime working hours unless other shipping hours are mutually agreed upon in writing by both parties.

Prices are FOB your jobsite as stated above. Terms are Net 15 prox. Please note standard terms and conditions apply. (Subject to credit approval)

This quote is limited to acceptance within 30 days from the date of this quotation after which time quotation is subject to review/revision. Please contact Sales prior to placing the order.

Accepted by: _____

Date: _____

Sales Representative: _____

Date: _____

We appreciate the opportunity to provide you this quote and trust that Vulcan will have the pleasure of serving your needs for this and future projects.

GENERAL TERMS AND CONDITIONS

PRICES AND TERMS

Prices are based on the terms and conditions set forth on page 1 of this Quotation, of which these General Terms and Conditions form a part, the terms and conditions stated in Customer's Application for Business Credit, and, if applicable, any terms and conditions relating to the delivery or shipment of materials by truck, barge, vessel, rail or other means which are provided by Vulcan to Customer in addition to this Quotation (each, a "Vulcan Sales Document", and collectively, the "Vulcan Sales Documents"). Prices are available only to the customer specifically named therein, and are only for the quantities mentioned in such Quotation or Sales Order plus or minus 10% of such quantities. A charge of 1.5% per month, (18% annum), will accrue on a daily basis from the date of invoice and will continue to accrue on a daily basis on any unpaid balance, both before and after judgment, until the date the balance is paid in full, or at the maximum amount permitted by law in which the sale occurred, whichever is less. **However, the assessment of a finance charge on invoices paid in full by the payment due date will be waived.** Quotation is offered for furnishing the total aggregate requirements for the project only. Customer's contract with Vulcan regarding the sale by Vulcan to Customer of the materials listed in this Quotation is subject to the terms and conditions set forth in the Vulcan Sales Documents. Prices reflect Customer's acceptance of materials at the quoted plant based upon gradation analysis performed and reported by Vulcan's certified plant quality control personnel. Any penalties that result from in place sampling shall be the full responsibility of Customer.

THE TERMS AND CONDITIONS OF THE VULCAN SALES DOCUMENTS GOVERN THE RIGHTS AND OBLIGATIONS OF THE PARTIES

If Customer has issued a purchase order for the materials quoted by Vulcan in this Quotation, this Quotation is not an acceptance of said purchase order, or any of its terms or conditions, which are hereby rejected. Any sale by Vulcan to Customer of the materials listed in this Quotation shall be subject to the terms and conditions set forth in the Vulcan Sales Documents, and Customer's receipt or acceptance of said materials shall constitute acceptance of the offer that this Quotation constitutes. Any terms or conditions of a subsequent purchase order issued by Customer that are inconsistent with the terms and conditions of the Vulcan Sales Documents shall be null and void.

SHIPMENT AND DELIVERY

Unless a "delivered" price is quoted by Vulcan in the Vulcan Sales Documents, all prices are F.O.B. point of shipment from the locations designated. All taxes applicable to the sale or delivery of materials that are not paid directly by Customer will be added to the sales price, invoiced to and paid by Customer, unless Customer provides Vulcan with satisfactory evidence of exemption from same. Shipment will be in accordance with Customer's reasonable instructions or, if none, then by whatever means Vulcan shall deem practicable. The quantities of material delivered to Customer shall be conclusively presumed to be the quantities shown on the tickets produced from a certified weigh scale at Vulcan's quarry or sales yard.

CREDIT AND DEFAULT

Vulcan shall have no obligation to ship or deliver except upon its determination prior to each shipment or delivery that Customer is worthy of the credit to be extended and is not in default upon any obligation to Vulcan. Upon default, Customer agrees to pay all of Vulcan's collection expenses, including attorneys' fees.

INSURANCE

A Memorandum of Insurance containing current information regarding Vulcan's insurance program is available at <https://marshdigital.marsh.com/marshconnect/viewMOI.action?clientId=632529479>.

EXCULPATORY PROVISIONS

Vulcan shall have no liability for delay or failure to make shipments, or delivery, as a result of strikes, labor problems, severe weather conditions, casualty, mechanical breakdown or other conditions beyond Vulcan's reasonable control. In no event shall Vulcan be liable for any incidental or consequential damages. Vulcan's liability and Customer's exclusive remedy for any cause of action arising out of the provision of material quoted herein shall be the replacement of, or payment of the purchase price for, the materials which are the subject of this Quotation.

CHANGE OF TERMS

Vulcan may change the price and/or quantity upon 30 days' notice to Customer. Vulcan shall also have right to change, modify or amend any other terms and conditions upon written notice of such change to customer. The effect of the change shall be as stated in the written notice and accepted by Customer upon placing of orders with seller following receipt of such notice.

APPLICABLE LAW

All orders are subject to acceptance by Vulcan at the headquarters of its Mountain West Division in Phoenix, Arizona, and the laws of the state in which the materials was shipped from shall apply to the sale of all materials subject hereto. In the event material is imported into the U.S., the law in the state in which the material was sold to the customer will prevail. All disputes regarding finance charges shall be governed by Alabama law.

LIMITED WARRANTY AND WARRANTY DISCLAIMER

Vulcan warrants for a period of one (1) year from date of delivery only that the material sold hereunder substantially complies with Vulcan's specifications for said material or the specifications set forth in Vulcan's quotation. **VULCAN HEREBY EXCLUDES ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PURPOSE, AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, OF THE MATERIAL SOLD HEREUNDER, OTHER THAN THE EXPRESS WARRANTY STATED ABOVE.** In addition, except to the extent otherwise set forth in the specifications described above, Vulcan makes no warranty whatsoever with respect to specific gravity, absorption, whether the material is innocuous, non-deleterious, or non-reactive, or whether the material is in conformance with any plans, other specifications, regulations, ordinances, statutes, or other standards applicable to Customer's job or to said material as used by Customer. **VULCAN SHALL IN NO EVENT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE CAUSED BY NON-COMPLIANCE OF THE MATERIAL WITH SPECIFICATIONS, OR FOR ANY DEFECTS IN THE MATERIAL SOLD HEREUNDER.**



SOLICITATION SUMMARY
Temp Insertion Valves

B&F CONTRACTING, INC.

Job Name: Chandler Boulevard and Dobson Road Sewer and Water Improvements
Job Number: WW2005.252
Owner: City of Chandler
Address: 975 E. Armstrong Way, Building L.
Chandler, Arizona - 85286

Corporate HQ: 11011 N. 23rd Ave., Phoenix, AZ 85029
Office: 623-582-1170 | Fax: 623-582-3761
Arizona Licenses: ROC-089744, ROC-111282
Date: 3/13/2023
Revision: 0

SUPPLIER	MATERIAL AND UNIT RATES						NOTES
	12" Hydratite		12" Permascal				
Pipeline Services	\$	13,950.00					
Tap Masters			\$	29,016.19			

GMP-003 only included temp interseion valves to get isolation so the less expensive products was purchased.



3825 South 27th Street
Phoenix Az 85040
Bus (480) 675-8767
Fax (480) 675-9072

PROPOSAL

TO: B&F Contracting Inc.	PHONE: 623-582-1170	DATE: 11/1/2022
	JOB NAME: City of Chandler Project	
	LOCATION: Chandler Blvd & Dobson Rd	
ATTN: Jerry Hine	Chandler Az.	

NOTES: Above pricing does not include any, excavation, permits and shoring if required. Slurry or Concrete is needed under the valve.

By Bruce Martell



ARIZONA TAP MASTER
5156 W. Olive Ave., #273
Glendale, AZ 85302
Phone (623) 776-3132 Fax (623) 776-3083
ROC 257708

Quotation

Date 4/4/2023

Quotation #
Customer ID

Quotation For:

Corina Nimmo
 B&F Contracting, Inc
 11011 N. 23rd Ave.
 Phoenix, AZ 85029
 Office: 623.582.1170
 Cell: 623.692-3210
 Email: corina.nimmo@bfcontracting.com

Quotation valid until: 5/4/2023
Prepared by: Don Hardin

Comments or Special Instructions:

Lead time up to 2-3 months unless in stock at time of purchase

SALESPERSON	P.O. NUMBER	SHIP DATE	SHIP VIA	F.O.B. POINT	TERMS
Don Hardin	REQUIRED				NET 30

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
6	12" Mueller PermaSeal Insertion Valves on ACP, PVC, or DIP. TMI to supply: 6 each 12" Mueller Perms Seal insertion valves, plus installation Customer to supply: see below. Address: TBD	29016.19	174,097.14
CONTACT NAME AND NUMBER TBD		SUBTOTAL	\$ 174,097.14
		0.0000%	\$ -
		TOTAL	\$ 174,097.14

If you have any questions concerning this quotation, contact Don Hardin
 Phone: (623) 776-3132 - E-mail: azhottaps@gmail.com

THANK YOU FOR YOUR BUSINESS!

CUSTOMER TO SUPPLY

All Excavation, shoring (if required), ladders, scaffolding, man lifts, lifting devices and rigging for all equipment and materials, clear access to pipe, schedule all inspections, permits and taxes required. All Material for pipe modifications, pipe modifications, design, detail & installations of thrust blocks. Crane, forklift, Backhoe, trackhoe, to lift all equipment on / off truck, into work area and set into place for all Hot Tap and line Stop equipment 16" or larger and / or if TMI cannot get service truck within 10' of excavation, for 6" through 12" Line Stops. Maintain a dry and workable environment within the excavation when possible. Chlorination of hot tap / line stop fitting's and piping of new and or existing. Containment and disposal for all spills, disposal of all asbestos pipe (including all cut outs, coupons from all hot taps), and any hazardous and or non hazardous materials, and or liquids. Repair of any mortar lining/coating that may be damaged due to the hot tap or line stop insertion process for all CCP pipe. Supply all lighting if work is to be completed after hours after sundown. Any and all expedited freight cost for equipment and/or materials requested by the customer. Coordinate with the City to isolate and stop flow temporarily for all line stops 16" or larger during the insertion of the line stop('s) to insure that the line stop equipment is not damaged during this process. Customer to verify all pipe OD's and submit a list prior to ordering any and all line stop fittings.

SPECIAL CONDITIONS

Any materials ordered and returned will be subject to a 30% restocking fee. All special-order materials may not be returned. PO is required prior to ordering any and all materials.

This quote is based on normal business hours (unless otherwise noted).Any delays caused on jobsite that are of no fault to Tap Master, will be billed standby time at \$125.00 hr. for standard rate and \$165.00 /hr. for overtime rate per hour per man and \$195.00 /hr. for Premium time per hour per man.

HOT TAPS

Tap master does not guarantee the retrieval of the coupon. Mechanical failure could cause the coupon to enter the piping system. Hot tapping generates cutting chips. These chips may also enter the piping system. Both chips and coupons can be carried substantial distances by the flow. Tap Master is not responsible for retrieving the coupon or chips that may have entered the piping system and the customer agrees to hold Tap Master Inc. harmless from any damages or losses, direct or incidental, which might be caused by these materials. All cost associated with retrieving these materials will be the responsibility of the customer.

HOT TAPS / LINE STOPS ON CONCRETE LINED AND MORTAR COATED STEEL CYLINDER PIPE:

There is no guarantee the concrete lining will be fully recovered. Tap Master accepts no responsibility of the recovery or repair of the pipe lining. Should part of the concrete lining be lost during the hot tap, all cost associated with retrieving the lining will be the responsibility of the customer. Tap Master will not be responsible for any pipe failure.

MECHANICAL BOLT ON TAPPING SLEEVES

All mechanical bolt on hot tap/line stop sleeves are provided with a SBR or Buna gasket material that can expand and contract with temperature fluctuation causing the fitting to leak and should not be installed on pipe temperatures exceeding 180 degrees. Tap Master **cannot** be responsible for any leaking sleeves due to temperature fluctuation of piping system. If fluctuation is present on piping system please notify Tap Master to seek other alternatives.

PIPE FREEZE ISOLATION

In order to complete a pipe freeze, there must be NO FLOW in the line. If system cannot be isolated to STOP FLOW, then a conventional line stop would be recommended. Tap Master will not be responsible for any pipe or pipe failure that may crack or split due to defective pipe during the pipe freezing process.

LINE STOPS

Tap Master does not guarantee a 100% stop due to unknown and/or unforeseen internal pipe conditions, but will give a workable condition downstream of the line stop.

AZ TMI makes no guarantee that the placement of the line stop head (s) into the pipe the first time will provide a workable stop. It may be necessary to remove the line stop(s) & replace the sealing element. This is not considered delay of work at the jobsite.

All hot tap and line stop fittings are rated to 150PSI (Customer to verify pipe pressure does not exceed 150PSI)

Price is based on information provided by the customer. TMI to be notified by the customer of any changes in the scope of work within a reasonable time and/or as soon as they are aware of these changes. Price includes, Line Stop fittings, equipment and labor to complete (MISC.) Line Stop's (? PSI) and Line Stop Equipment to be onsite for up to () days, () technicians onsite for (?) consecutive business days at (8) hours per day / per man Monday Through Friday. No Weekend / Holiday's and or premium time included in cost.

Extra Days for Equipment: Each additional day equipment to be onsite will be charged and billed at (\$) per day per / line stop unit. Plus all Man Hours per day /per man at hourly rate.

Extra hours for technicians: will be charged at the rate of \$125.00 per hour / per man for straight time, \$165.00 per hour /per man for OT, and \$195.00 per hour /per man on Premium time. Straight Time defined as 7am - 3:30pm, Monday through Friday. Over Time defined as 3:30pm - 6:30pm, Monday through Friday and any weekend hours worked. Premium Time defined as any time after 12 hours work in a day and any time after 8 hours worked on weekends and any hours worked on a holiday.

Additional Hotel Cost: \$200.00 per night / per man for additional days past the (1) days included in price.

Additional Per diem Cost: \$50.00 per day / per man for additional days past the (1) days included in price.

Mobilization: () one mobilization to jobsite included in price. Additional charges will apply for extra days onsite and or extra mobilizations to jobsite. Should work be cancelled or rescheduled, Customer to pay all cost and expenses incurred by AZ TMI.

HYDRA STOP VALVE INSERTIONS

Hydra Stop Insta Valve Plus Valve's are special order and are NON RETURNABLE

Even though Tap Master uses the latest technology, Valve Insertions cannot always guarantee 100% bubble tight seal. The Valve Insertion utilizes the pipe I.D. for the seal. Pipe I.D.'s can vary based on pipe size and type of pipe. The Valve Manufacturer says that the Insertion Valve seal will give the customer a workable condition downstream but will be based on the pipe condition inside. (The Manufacturer does not guarantee a 100% seal) Insertion Valves have a low end and a top end sealing range based on the pipe I.D. It is recommended that if the customer does not know the pipe I.D. based on the type and class of the pipe per the manufacturer that it is best to complete a test tap prior to ordering the Insertion Valve in order to determine the pipe I.D. If Tap Master is unable to complete a test tap prior to ordering the Insertion Valve fitting, then it will be the customers responsibility to provide Tap Master with all the correct information to ensure that the correct Insertion Valve is ordered for the pipe it will be installed on. If completing a pressure test against the Insertion Valve, you may only test up to the actual line pressure at its current pressure at that time. Tap Master will not be responsible for defective pipe or pipe failure should it break or crack during the installation of the Insert Valve.

PUBLIC WORKS OR PREVAILING WAGE CERTIFIED PAYROLL:

If this is a public works, prevailing wage or PLA agreement project requiring certified payroll please contact our office for a revised quote to include the additional labor costs if not noted on the quote.

INSURANCE:

Tap Master supplies most standard insurance certificates. If this project is OCIP/CCIP insurance job, please contact Tap Master for a revised quote. All modified or special insurance requests are priced on request.

Payment Terms: NET 30

I have read the attached quote, terms and conditions and any special requirements necessary to complete the work. I agree that the technical data is correct and that I understand "Customer to Supply" requirements. Should I have any questions or need to make any changes to this quotation. I will have contacted Tap Master, Inc. and requested a revised quotation prior to signing and returning back this acceptance.

Signature:

Name:

Title:

Company:

Date:

Pipe O.D

Wall Thickness /

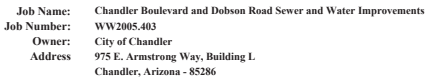
Pipe ID

/

Type of Pipe

Class of Pipe

Line Pressure



Concrete Replacement

Corporate HQ: 11011 N. 23rd Ave., Phoenix, AZ 85029
Office: 623-582-1170 | Fax: 623-582-3761
Arizona Licenses: ROC-089744, ROC-111282
Date: 3/13/2023
Revision:

SUPPLIER	MATERIAL AND UNIT RATES								NOTES
	Bus Bay	Curb & Gutter	Sidewalk	Median	Valley Gutter	Mobe			
DBA	\$ 43.30	\$ 81.40	\$ 28.00	\$ 60.00	\$ 43.00	\$ 4,600.00			
B&F	\$ 37.87	\$ 33.91	\$ 20.71	\$ 67.00	\$ 30.00	\$ -			
Hever Bueno									Non Responsive at bid time

NOTES: B&F is current in as self perform provides better flexibility to complete the work and avoid additional mobes and price is more competitive.



Date: 04/07/23
Proposal No. B&F23001

To: B&F Contracting
11011 N 23rd Ave
Phoenix, AZ
ATTN: Amit Satre

Chandler Blvd Waterline Improvements

DBA Construction proposes (unless otherwise noted) to furnish all labor, equipment, material and incidentals necessary to successfully complete the items listed below. We thank you for the opportunity to provide you with a comprehensive proposal for the above referenced project.

WORK ITEMS						
NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	EXTENSION	
1.	Mobilization	1	EA	\$ 4,600.00	\$	4,600.00
2.	Curb& Gutter MAG 220 Type A	3,579	LF	\$ 81.40	\$	291,330.60
3.	Sidewalk MAG 230	4,225	SF	\$ 21.00	\$	88,725.00
4.	Sidewalk Ramp MAG 236-5	358	SF	\$ 28.00	\$	10,024.00
5.	Median COC 225-1	60	LF	\$ 85.00	\$	5,100.00
6.	Valley Gutter MAG 240	1,472	SF	\$ 43.00	\$	63,296.00
7.	Bus Bay COC C 230	464	SF	\$ 43.30	\$	20,091.20
PROPOSAL TOTAL:					\$	483,166.80

Assumptions

Our proposal is based on the assumption that the following conditions exist on the project site:

1. Access to site to be provided for crews and equipment.

Clarifications

Our proposal requires further clarification on these points in order to be considered:

1. Median item is for the vertical curb and gutter. Interlocking pavers by others
2. Ready Mix Price is good through the end of this year.
3. Mobilization is priced as each

Exclusions

Our proposal excludes the following items and were not considered during the preparation to this estimate:

1. Survey, Materials Testing, SWPPP, Traffic Control, Demolition
2. Permits, Fees, Taxes, Bonds, Sanitary Facilities, Street Sweeping
3. Excavation, Backfill, Fine Grade
4. Special finishes, colored concrete

Regards,

Estimator



SOLICITATION SUMMARY

B&F CONTRACTING, INC.

SLURRY/CONCRETE

Job Name: Chandler Boulevard and Dobson Road Sewer and Water Improvements
Job Number: WW2005.252
Owner: City of Chandler
Address: 975 E. Armstrong Way, Building L.
Chandler, Arizona - 85286

Corporate HQ: 11011 N. 23rd Ave., Phoenix, AZ 85029
Office: 623-582-1170 | Fax: 623-582-3761
Arizona Licenses: ROC-089744, ROC-111282
Date: 3/13/2023
Revision: 0

SUPPLIER	MATERIAL AND UNIT RATES									
	1/2 SACK SLURRY	MAG C CONCRETE	MAG-B CONCRETE	MAG-A CONCRETE	MAG-AA CONCRETE	CHILLED WATER	SHORTLOAD			
AZ MATERIAL	\$ 118.50	\$ 176.00 P	\$ 178.00	\$ 182.00	\$ 186.00	\$ 1.00				
Martin Marietta	\$ 133.00 P	\$ 151.50	\$ 167.00	\$ 169.00	\$ 174.50 P	\$ 1.00 P	P			
Average Price	\$ 125.75	\$ 163.75	\$ 172.50	\$ 175.50	\$ 180.25					

NOTES: Due to concrete scheduling we are using a blended price for the GMP to keep options open to avoid delay in concrete deliveries



PROJECT QUOTATION

Customer: B & F Contracting, Inc
Amit Satre -
amit.satre@bfcontracting.com

Project Dobson Rd & Chandler Blvd Intersection Sewer & Water Improvements
Location Dobson Rd & Chandler Blvd, Chandler, Arizona

Quote # 4973 (26)
Quote Date 02/22/2023

CONCRETE

Est Quantity 1,989.00 CYDS

Qty	Description	Mix ID	Price
950	1/2 Sack ABC Lean Slurry Mix (CLSM)	12011	\$115.00/CYD
950	1 Sack ABC Slurry, CLSM	12012	\$118.00/CYD
8	2000 PSI MAG C	12004	\$155.00/CYD
8	MAG-B 2500 PSI 1" Rock	12504	\$157.00/CYD
50	MAG-A 3000 PSI	13004	\$162.00/CYD
23	MAG-AA 4000 PSI, 1" Rock	14004	\$166.00/CYD
	Chilled Water		\$1.00/Per Yard
	Environmental		\$25.00/Each
	Fuel Surcharges		\$35.00/Each
	Hot Water		\$1.00/Per Yard
	Nitro		\$9.50/Per Yard
	SHORTLOAD CHARGES		\$200.00/Each

PRICE INCREASE SEPTEMBER 1ST & MARCH 1ST

+\$15 PCY FOR CONCRETE

+\$8 PCY FOR SLURRY

Concrete Terms & Conditions

Arizona Materials accepts no responsibility for any damage to curb and beyond curb line. It will be Buyers responsibility to contact Arizona Materials Quality Control Department with any concrete issue/concerns within 48 hours after placement. Buyer is responsible to provide safe access to point of delivery. All materials are produced in conformance with ACI / ASTM standards. Mixes quoted below, unless otherwise stated, conform to no specific water cement ratio, minimum sack content, shrinkage, temperature requirement, or the plans and specifications of this project.

All colored concrete loads have a 3 yard minimum.

Arizona Materials cannot guarantee compressive strengths of 5000 PSI or below for loads less than 3 yards.

5000 PSI or above must be 5 yards or more to guarantee compressive strength.

Payment is due and payable on or before the 15th day of the month following to receive 2% discount. Account must be current in full to be eligible to apply discount. A service charge not to exceed the maximum allowed by law applies on unpaid invoice amounts beginning the 1st day of the month following due date and daily thereafter until paid in full. Should litigation be commenced to enforce payment, the prevailing party is entitled to reimbursement of reasonable attorney fees and court costs.

Buyer has 30 days to validate quote with P.O. , signing issued quote, or written verification.

Price quoted are applicable pending availability of materials and are subject to change prior to commitment.

Price Increases as follow:

Price Increase #1: Add **\$15.00/CYD** on 09/01/2023

Price Increase #2: Add **\$15.00/CYD** on 03/01/2024

Price Increase #3: Add **\$15.00/CYD** on 09/01/2024

Prepared & Submitted By:	ACCEPTANCE (void if not accepted before 03/24/2023)
Chris Nau 6023169931 cnau@azmatl.com Prepared On 02/22/2023	All prices expire on quoted expiration date: 09/30/2024 Signature: _____ Date: _____ Print Name/ Title: _____



Corporate Offices:
3636 S. 43rd Avenue
Phoenix, AZ 85009
Phone: 602-278-7777
Fax: 602-442-6905
www.arizonamaterials.net

Terms and Conditions of Sale

Additives

*Hot / Chilled Water - \$1.00 per cubic yard

***\$2.50 as of 3/1/23**

Nitrogen Cooling - \$9.50 per cubic yard

Non-Chloride Accelerator - \$2.00 per unit

Recover - \$2.50 per 1/2 Hour

Fiber

Micro Fiber - \$7.50 per pound

Macro Fiber (Structural) - Priced as Quoted

Color

Standard Liquid Color - See mix detail for per yard pricing

Color Washout - \$25.00 per load

Delivery

Fuel Surcharge - \$35.00 per load

Wash Out System Buckets - \$25.00 per load (requested at time of order)

Standby Charges - \$1.50 per minute beyond 6 minutes per cubic yard

Short Load Charges - 6 yards or less \$200.00 per load

Environmental Fee - \$25.00 per load

Weekend Delivery - \$50.00 per load

Plant Opening Charge - \$500.00/hr, 4 hour minimum

Sunday / Holiday Opening - \$750.00/hr, 4 hour minimum

All order backs/split loads under 11 yds on one order are subject to Short Load Charges.

Concrete Pricing subject to change based on market conditions

All materials are produced in conformance with ACI / ASTM Standards.

Contractor is responsible to provide safe access to the point of delivery.

Arizona Materials accepts no responsibility for damages to any curb and beyond the curb line.

It is Contractors responsibility to contact Arizona Materials Quality Control Department with any concrete issues/concerns no later than 48 Hours after placement.



**Martin
Marietta**

4025 S McClintock Dr Suite 202, Tempe, AZ 85282 Office: 602.685.3450

Proud to be American Owned and Operated

To: B & F CONTRACTING INC
Attention: Amit Satre
Customer #: 992678
Phone: 602.402.5410
E-Mail: Amit.Satre@BFContracting.com

Date: February 23, 2023
Project: Chandler Dobson Sewer & Water Improvement Project
Address: Dobson Rd & Chandler Blvd
Chandler, AZ

CONCRETE MATERIAL PRICE QUOTE

Mix #	Mix Use & Type	Strength @ 28 Days	Slump	Air	Aggregate Size	Estimated Volume	2023 Price per CY
2403141	Encasement Cover	4000	3-5	1 - 4%	1"	23	\$135.50
2303141	Encasement Cover	3000	3-5	1 - 4%	1"	50	\$130.00
2253141	Encasement Cover	2500	3-5	1 - 4%	1"	1	\$128.00
2203141	Encasement Cover	2000	3-5	1 - 4%	1"	1	\$122.50
PHCLSM	Backfill Material	50	7-11	1 - 4%	1"	1,900	\$94.00
PHCLSM1	Backfill Material	50	7-11	1 - 4%	1"	1,900	\$97.50

Please Note

All concrete as bid is per 90 minute max delivery and 95 degree max concrete temperature. All Concrete as Bid contains Type F Ash and normal weight aggregate unless specifically noted. All concrete pricing above is valid from Monday thru Friday during normal business hours. Aggregates are a naturally occurring material which can contain particles that degrade or stain concrete. It is not possible to completely remove all such particles; however, the occurrence is infrequent, and the bulk aggregate meets the Limits for Deleterious Substances and Physical Property Requirements of Coarse Aggregate for Concrete as outlined in ASTM C 33. Martin Marietta does not warranty against these infrequent occurrences.

Minimum amount of standard concrete for deliveries is 2 cubic yards, specialty concrete is 4 cubic yards. Buyer is responsible for safe access to work area, wash out containment area for all deliveries. Sales Tax owed unless exempt documentation is received before the first pour. *Please see page 2, item 7 for important tax information.*

Price Escalators:

Included Per Cubic Yard Price Increase 04/01/23

\$10.00 Per Cubic Yard Price Increase 09/01/23 and TBD Per Cubic Yard Price Increase 04/01/24

Add:

\$25.00	Per Load Transportation Surcharge - Add to Above Pricing
\$2.00	Per Cubic Yard Environmental Fee - Add to Above Pricing
\$1.50	Per Cubic Yard Summer Service Fee (Jun 1 through Sep 30) - Add to Above Pricing
\$2.00	Per Cubic Yard Winter Service Fee (Nov 1 through Feb 28) - Add to Above Pricing

Prices are F.O.B. job site and do not include taxes.

TERMS: NET 30 DAYS, 18% APR Interest will be added to all past due accounts.

Add Miscellaneous Extra Charges:

- \$8.00 Per Cubic Yard Cancellation Fee within 24 Hours of Scheduled Start Time (\$200 minimum fee)
- \$5.00 Per Gallon Nitro (3 gallons is equivalent to 20 LBs. of ice) Call for Availability
- \$0.75 Per Pound Ice
- \$8.00 Per Cubic Yard per each 1% Non Chloride Accelerator (available in 0.25% increments)
- \$3.00 Per Cubic Yard per Each 30 Minute Increment of Hydration Stabilizer (Retarder)
- \$7.00 Per Cubic Yard Mono/Micro Fiber (1LB per Cubic Yard)
- \$10.50 Per Cubic Yard Fibrillated Fiber (1.5LBs per Cubic Yard)
- Call Per Cubic Yard Macro Fiber (contact your sales rep)
- \$2.00 Per Minute of Wait Time per Load After 45 Minutes (on job standby)
- \$100.00 Per Load Multi-Stop Delivery Fee (per stop)
- Per Cubic Yard Saturday Premium Charge



Quotation expires 30 days from above date

By:	Kyle Hall
Title:	Sales Representative
Mobile:	602.690.7317

Terms and Conditions

4025 S McClintock Dr Suite 202, Tempe, AZ 85282 Office: 602.685.3450



1. Seller's quotation and offer contained herein shall be deemed withdrawn and of no further effect unless accepted by Purchaser by signing and returning a copy hereof to Seller within thirty (30) days after the date hereof. Acceptance of any order from Purchaser ("Order") is expressly made conditional on assent to these Terms and Conditions, either by written acknowledgment or by Purchaser's acceptance of the products sold hereunder. These Terms and Conditions also serve as Seller's objection to and rejection of any terms and conditions included in Purchaser's forms that are different from or additional to these Terms and Conditions.

2. Seller's obligation to deliver concrete at prices quoted is limited to deliveries on the project specified within six (6) months after date of quotation, unless otherwise specified on the front side thereof. Seller may refuse to commence or continue deliveries at prices quoted on projects not started within a reasonable time or on projects not continuously prosecuted after the commencement of deliveries.

3. All concrete ordered by Purchaser and delivered to the job, whether used or not, will be billed to Purchaser. Prices and quantities are based upon the wet volume at the time of discharge from delivery trucks. Receipt and delivery tickets shall be binding unless immediately disputed. The Purchaser is required to provide an area suitable for wash down of the truck to meet applicable local, state, and national environmental requirements.

4. Unless otherwise specified, prices quoted are based on delivery by trucks to jobsite during normal working hours, Monday through Friday. An additional charge may be made for deliveries after normal working hours. Purchaser is responsible for giving Seller reasonable and adequate notice for scheduling and delivering concrete. Seller will not be expected to hold trucks and equipment available for deliveries to Purchaser, and will not, without reimbursement, hold plants open and equipment available for pours for which adequate and reasonable notice has not been given. Seller will not honor back charges for delays in delivery due to inadequate notice by Purchaser or due to underestimation of quantities for a pour.

5. Deliveries by trucks are dependent upon accessibility to point of delivery. Roadways shall be deemed inaccessible if trucks cannot proceed with the full load (unless part loads are specifically ordered and agreed to by Seller) under its own power without damage to property or equipment. In the event Purchaser ordered delivery beyond curb line, Seller shall not be liable for damage to sidewalks, driveways, or other property, and Purchaser shall indemnify and hold Seller harmless against any and all liability, loss and expense, incurred as a result of such damages. All deliveries shall be made subject to applicable regulations governing the standard operating procedure of common carriers.

6. Prices quoted are based on prompt unloading of trucks. Seller reserves the right to make a standby charge as listed on the front page hereof. In case of repeated delays in unloading, Seller reserves the right to discontinue deliveries until conditions causing delay are corrected.

7. Any sales, processing or similar tax imposed by any governmental authority which is now or hereafter becomes applicable to deliveries by Seller shall be paid by Purchaser unless otherwise provided by law in addition to the prices specified herein. Concrete pricing as quoted excludes sales tax. The applicable sales tax rate will be charged to Purchaser. If the project is tax exempt, the tax exempt certificate must be received by Seller prior to the first shipment to the project. If not received, purchaser is responsible for the sales tax payment.

8. Seller warrants that all cementitious materials, aggregates and admixtures used by it in furnishing concrete pursuant to this quotation shall conform to current ASTM specifications for cementitious materials, aggregates and admixtures of the type specified and that all ready-mixed concrete delivered to Purchaser shall conform to applicable requirements of current ASTM Standard C 94. Where quantity of cementitious materials is specified, Seller warrants that the concrete delivered will contain the specified quantity of cementitious materials of the type specified within industry accepted tolerances for ready-mixed concrete. Where strength of concrete is specified and concrete is delivered by Seller, Seller warrants that the concrete furnished will meet or exceed the indicated design strength at the designated age when tested in accordance with the applicable and current ASTM Standards C 31, C 39, C 78, C 172, C 293, applicable provisions of C 94, and evaluated in accordance with applicable provisions of the ACI 318 Building Code. The addition of water to the mix by Purchaser relieves Seller of any responsibility as to strength of concrete provided the slump at time of delivery is equal to or greater than that specified. Where strength of concrete is designed in excess of 4500 psi or a "High Early" concrete is required, the minimum batch size shall be 4.0 cubic yards, for which Purchaser is required to pay. SELLER MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE OR OF FUTURE PERFORMANCE OR OF ANY OTHER KIND. Seller's obligation under this warranty shall be limited to replacement or allowance of credit for nonconforming materials as provided herein.

9. Seller shall have no liability whatsoever to Purchaser or to any other person for delays in deliveries of orders accepted hereunder resulting from fire, casualties, calamities, strikes or other labor disputes, mechanical failures, war, insurrection, interruption or shortage of utility service or materials, acts or regulations of any governmental body or agency, or resulting from conditions or events beyond the reasonable control of Seller. Should Seller experience any delays or shortages of transportation or materials, Seller shall be permitted to allocate deliveries among its customers, but Seller shall use commercially reasonable efforts to meet any delivery schedule to which it has agreed hereunder.

10. Seller shall not be liable for loss or damage of any nature after delivery. Seller's only liability and obligation with respect to nonconforming (including defective) concrete shall be to replace such nonconforming concrete at point of delivery, or at Seller's option, to allow credit for such nonconforming concrete, provided that Purchaser shall be deemed to have waived all rights or claims hereunder with respect to nonconforming concrete not reported to Seller within one (1) year after the time of delivery thereof to Purchaser. Seller shall have no liability for loss or damage in excess of the price received for nonconforming or defective concrete delivered to Purchaser or for losses or damages of any nature (INCLUDING WITHOUT LIMITATION INCIDENTAL OR CONSEQUENTIAL DAMAGES) incurred or suffered by Purchaser or any other person or entity in repairing or replacing defective concrete or occasioned by defective concrete, and Seller shall have no other responsibility, obligation or liability whatsoever with respect to any concrete delivered hereunder whether predicated or alleged breach of contract or negligence or otherwise.

11. Shipments are subject to prior credit approval. If credit is approved, all payments must be made in accordance with the then applicable credit policies of Seller, and if not so made, the agreement that is contemplated herein may be terminated by Seller immediately. Terms of payment are net 30 days following date of invoice. If Purchaser fails to make timely payments or if, in Seller's opinion, the financial condition of Purchaser or other grounds for insecurity warrant such action, Seller may, without limiting its other remedies, (i) suspend shipments pending receipt of assurances or credit support satisfactory to Seller or (ii) terminate the Order, in which event unpaid invoices shall become immediately due and payable. Any past due account shall bear interest at the rate of 18% per annum. In the event the collection of any unpaid balance is placed in the hands of Seller's attorney, Purchaser shall pay a reasonable attorney's fee.

12. This quotation is made subject to all applicable governmental orders, rules and regulations and with respect to construction or the use of building materials. The parties agree that the laws of Arizona shall govern this Agreement and any disputes shall be heard in the courts of Maricopa County, Arizona. It is understood that there are no verbal agreements or understandings which are not incorporated herein.

Noncompliance

Martin Marietta will not be responsible for failing concrete results derived from tests not adhering to the latest version of the pertinent ACI, ASTM or AASHTO code, standard or specification. This includes, but is not limited to, sampling, casting and initial curing of concrete cylinders, concrete cylinder transportation and final curing as well as reporting that does not meet the prescribed requirements. In the event that non-compliant test results are reported to customer it shall notify Martin Marietta within three days of such occurrence to allow time for investigation and response. In order for non-compliant results to be considered by Martin Marietta, documentation of the following items meeting the related code, standard or specification must be provided: (i) Evidence the concrete has been sampled and tested by a technician holding a current ACI Field 1 Certification; (ii) Evidence that the concrete was sampled at the point of discharge of the concrete truck as stated in ASTM C172 & ACI 318-19; (iii) Evidence that the concrete was tested in accordance with ASTM C39 and C231; and (iv) Evidence that the concrete strength specimens were made, cured and transported in accordance with ASTM C31. In the event of a non-compliant test result where it is determined that the above referenced procedures were not followed and the in-place concrete is found to be in compliance with agreed upon standards, all costs related to the investigation, including but not limited to, independent third-party testing, Martin Marietta management consultation fees, and all legal fees will be the responsibility of the customer.

Customer

By: _____

Title: _____

Date: _____

Martin Marietta

By: Kyle Hall _____

Date: Thursday, February 23, 2023 _____

Expiration Date: Thursday, August 31, 2023 _____

Job Information Sheet

4025 S McClintock Dr Suite 202, Tempe, AZ 85282 Office: 602.685.3450



Please return completed job information sheet along with signed quote to
Kyle.Hall@martinmarietta.com

**** Martin Marietta will not supply concrete to this project without completed form ****

To: B & F CONTRACTING INC
Attention: Amit Satre
Customer #: 992678
Phone: 602.402.5410
E-Mail: Amit.Satre@BFContracting.com

Date: February 23, 2023
Project: Chandler Dobson Sewer & Water Improvement Project
Address: Dobson Rd & Chandler Blvd
Chandler, AZ

Please complete all sections listed below

Job Number/PO#: _____

Project Type (Please Select): Private { } Public { } State/Local { } Federal { } Residential { } Bond Job { }

Start Date: _____

Estimated Project Valuation (\$): _____

Owner Name: _____

Owner Address: _____

Lender Co.: _____

Lender Co. Address: _____

Loan #: _____

Bonding Co.: _____

Bonding Co. Address: _____

Bond #: _____

General/Direct Contractor: _____

☐

General/Direct Contractor Address: _____

☐

General/Direct Contractor Phone: _____

Is this project located on tribal community land (Please Select)? Yes { } No { }

If so, please provide which community _____

I hereby certify that the information provided in this form is complete,
true and correct to the best of my knowledge.

By: _____

Title: _____

Date: _____

Martin Marietta

By: Kyle Hall _____

Date: Thursday, February 23, 2023 _____

Expiration Date: Thursday, August 31, 2023 _____

SUPPLIER	MATERIAL AND UNIT RATES								NOTES
	Fog Seal			Crack Seal			Mobe		
L&L ASPHALT	\$	35,200.00	P	\$	1.00	\$	950.00	\$	-
PI	\$	16,500.00		\$	0.45	1-Mobe Included		-	
Gonzales	\$	51,840.00		\$	1.62	Included			
NOTES:									

L & L Asphalt LLC

P.O. Box 73440
Phoenix, AZ 85050

Voice: 623-434-1200

Fax: 623-434-1202

City of Phoenix Certified WBE/DBE/SBE



PROPOSAL

Proposal Number: 4701B
Proposal Date: Apr 18, 2023
Page: 1

Asphalt ROC 215796

To:

B & F Contracting Inc
11011 N. 23rd Ave
Phoenix, AZ 85029

Phone 623-582-1170

Job Name and Location:

B & F Contracting Inc
Chandler Dobson Water Improvement
Chandler & Dobson Road
Chandler, AZ

Customer Phone Number	PO Number	Sales Rep Name
623-582-1170		
Customer Fax Number	Customer Contact	Payment Terms
623-582-3761	Mike Cruse	Net 30 Days

L & L Asphalt will furnish all labor, equipment, and materials to complete the scope of work as listed below for the unit prices below;

Quantity	Unit	Description	Unit Price	Amount
7,150.00	SY	6-1/2" Thick Asphalt Mill/Sweep & Haul Off. Finegrade & Compact Existing Base Course For New Asphalt Pavement.	28.00	200,200.00
7,150.00	SY	Permanent Asphalt Pavement 6-1/2" Thick. (4" Thick 3/4 EVAC PG70-10 Base Course & 2-1/2" Thick 1/2 EVAC PG70-10 Surface Course)	64.00	457,600.00
18.00	EA	Jobsite Mobilization PRICE INCLUDES CRACKFILL FOR ASPHALT TRENCH JOINTS ONLY MATERIAL PRICE GOOD TILL 9/30/23 ADD \$3.00 PER TON GOOD TILL 12/31/23.	1,500.00	27,000.00

INCLUSIONS:

1. Apply tack coat to edges only.
2. Mobilizations Listed On Quote. Any additional will be charged at Price listed.
3. Payment based on actual field measurements and thicknesses.

EXCLUSIONS: (Items listed are excluded from price unless noted otherwise.)

1. Bond, Taxes and Permits/ Sales Tax On Material.
2. Testing (On or Off-Site).
3. Surveying/Layout/ Staking.
4. Water supply and usage charge.
5. Traffic Control/Barricades of any kind.
6. Asphalt Milling/Sawcut Of Any Kind.
7. Utility Adjustments
8. Subgrade Preparation Of Any Kind.
9. Stamped or decorative asphalt.
10. Premium(Overtime) & Weekend Work.
11. Prime Coat/Crack Fill/Seal Coat/Slurry Seal.

SPECIAL PROVISIONS:

1. This proposal is valid until April 30, 2023. If work is scheduled after that time we reserve the right to revise our prices based on the increases.

Subtotal	684,800.00
Sales Tax	
TOTAL PROPOSAL AMOUNT	684,800.00

Rita Lawrence: Rita@llasp.com
Doerfler: JohnDoerfler@yahoo.com

L & L Asphalt, LLC

4/18/23
Date

Accepted By: B & F Contracting Inc

Date





P1 Paving and Construction LLC

8550 N 91ST AVE STE. 65 PEORIA, ARIZONA 85345

OFFICE: (623) 594-7174 FAX: (623) 594-7159

PROPOSAL

CUSTOMER

ATTN: Amit Satre – B&F Contracting

SUBJECT: Chandler Dobson Water Improvement Project

ADDRESS: Dobson Road & Chandler Blvd

P1 Paving and Construction submits the following proposal for your consideration and acceptance.

A) Mill 6.5" depth, clean, furnish, place and compact 6.5" depth AC – 2 mixes – 5,100 SY –
\$80.70 / SY
\$411,570

B) Furnish, place and compact 6.5" depth AC – 2 mixes – 5,100 SY –
\$67.90 / SY
\$346,290

MOBILIZATION - \$1,500 each

All paving / patching includes crack seal. – Additional crack seal to be billed at \$.45 / SF and not to be done as a separate mobilization.

Fog seal – 32,000 SY – includes 2 mobilizations \$16,500

Proposal includes/excludes the following:

Saw Cutting	yes	___	no	<u>x</u>	Utility adjustments	yes	___	no	<u>x</u>	Prevailing Wage	yes	___	no	<u>x</u>
Survey & Engineering	yes	___	no	<u>x</u>	Slurry / Micro Seal	yes	___	no	<u>x</u>	Sales Tax	yes	___	no	<u>x</u>
Sub-Grade Prep	yes	___	no	<u>x</u>	Rubberized Asphalt	yes	___	no	<u>x</u>	Permits & Testing	yes	___	no	<u>x</u>
Concrete haul off	yes	___	no	<u>x</u>	Barricades	yes	___	no	<u>x</u>	Nights/Weekends	yes	___	no	<u>x</u>
Haul off Asphalt	yes	x	no	___	Hot Rubber Asphalt Joint	yes	x	no	___	Plant opening fees	yes	___	no	<u>x</u>
Removals	___	___	___	___	Sealer	___	___	___	___	___	___	___	___	___

PROVISIONS:

1. All work is to be measured upon completion and will be billed at the unit cost for the measured quantities with minimum invoice for the quantity of work stated in the description of work above.
2. Work will not be scheduled until an acceptable contract containing these unit prices, inclusions, exclusions and provisions have been signed by both parties.

Matt Tormey

P1 Paving and Construction LLC

DATE: 04/11/2023

PRICE GOOD THRU: 08/31/2023

ACCEPTED BY: _____

Gonzalez Asphalt Inc.

3001 W Lincoln, Phoenix, AZ 85009

Tel 623-594-2245 Fax 623-243-6429

Estimating@gonzalezasphalt.com (Robert)

tony.rose@gonzalezasphalt.com (Tony)



Project Name:	Dobson/Chandler Intersection Water
Project Location:	
	Chandler AZ

Proposal #	2023-250
Date:	4/5/2023

Line Item #	Description of work	UNIT	Quantity	Unit Price	Total Price
1	Asphalt Patching (6.5" depth) 5.5 wide areas 3100 SY 4.5 Wide areas 1800 SY Laterals 200sy includes crackfill for the above work	SY	5100	103.50	527,850.00
2	Crackfill	LF	1	1.00	1.00
3	Fog Seal	SY	32000	1.62	51,840.00
	Asphalt 2" A12.5 on 4.5" A19				
	DBE/SBE Certified			Total	579,691.00

Lic # 283318 A Gen Engineering

Proposal Valid for 30 Days

Engineer:	Per plans	Plan Date:	
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Exclusions: Bonds, permits, taxes, testing, engineering, striping and signage, Prime coat, Seal coat, Traffic control, traffic plan, barricades, concrete work, Underground Work, underground removals & relocations, Site Clearing, Site Grading
Site Haul Off of Spoils

To accept this proposal, sign and date

X: _____



PAVEMENT STRIPING

Corporate HQ: 11011 N. 23rd Ave., Phoenix, AZ 85029
Office: 623-582-1170 | Fax: 623-582-3761
Arizona Licenses: ROC-089744, ROC-111282
Date: 6/15/2023
Revision:

NOTES: PMI was non responsive. Franklin was selected due to lower unit rates.



Franklin Striping, Inc.
2832 S. 45th Street
Phoenix, AZ 85040
Phone: (480) 898-1180
Fax: (480) 668-9688

ATTENTION: **ESTIMATING DEPARTMENT**

QUOTE NO: **042123**

PROJECT: **DOBSON RD & CHANDLER BLVD INTERSECTION WATER IMPROVEMENTS**
PROJECT # **WW2005.403**
LOCATION **CHANDLER, AZ**

DATE: **4/12/2023**

ITEM NO.	SCOPE OF WORK	QUANTITY	UNIT	UNIT PRICE	TOTAL COST
1	PERMANENT PAINT WHITE, 4" EQUIV.	20410	LF	\$0.16	\$3,265.60
2	PERMANENT PAINT YELLOW, 4" EQUIV.	790	LF	\$0.16	\$126.40
3	PERMANENT PAINT SYMBOL, ARROW	17	EA	\$60.00	\$1,020.00
4	PERMANENT PAINT SYMBOL, BIKE GUY/ARROW	16	EA	\$65.00	\$1,040.00
5	4" EQUIV. WHITE SPRAYED THERMOPLASTIC 60MIL	7630	LF	\$0.55	\$4,196.50
6	4" EQUIV. WHITE TRANSVERSE THERMOPLASTIC 90MIL	2595	LF	\$1.15	\$2,984.25
7	EXTRUDED THERMOPLASTIC SYMBOL, ARROW 90MIL	17	EA	\$125.00	\$2,125.00
8	PREFORMED THERMOPLASTIC LEGEND, "BIKE/BUS/ONLY" (8')	3	EA	\$690.00	\$2,070.00
9	TYPE D RPM (2-WAY YELLOW)	25	EA	\$3.05	\$76.25
10	TYPE G RPM (1-WAY WHITE)	500	EA	\$3.05	\$1,525.00
11	MOBILIZATION (PAINT)	1	EA	\$1,000.00	\$1,000.00
12	MOBILIZATION (THERMOPLASTIC)	1	EA	\$1,000.00	\$1,000.00
TOTAL	BID PRICE:				\$20,429.00

*** ADDITIONAL MOBILIZATIONS WILL BE CHARGED AT \$1000.00 EACH FOR STRIPING.

To schedule projects, email us at: scheduling@franklinstriping.com

DISCLAIMER:

Quantities shown above are an estimate only, actual field quantities installed will be used for billing purpose.

Excludes: Police Officer, Traffic control, barricades, signage, bonds, sales tax, permits, survey, sweeping, as built, water supply, dump site, shadow truck, diamond grinding, obliteration, slurry seal or sealer for obliteration scarring & removal of chip seal markers.

Additional Mobilization Charges May Be Applied From Circumstances Beyond Our Control Which Would Prohibit The Above Mentioned Work From Being Completed As Scheduled.

(i.e. UNMOVED VEHICLES, TRAILER, SPRINKLERS, OR EXCESSIVELY DIRTY AREAS ETC.)

****FSI REQUIRES 15 DAYS NOTICE PRIOR TO ANY PAVEMENT MARKING NEEDED****

** Contractor is to provide Striping Survey. Reference ADOT Standard Specifications 2008 Edition

** Sec.-925-3.01, paragraph 7 & 8. Contractor to supply Survey Control points to be set every 50ft.

**** If striping survey is not completed per ADOT Standard Specifications, a cost of \$500.00/hour will be charged to layout.**

All material is guaranteed to be as specified and preformed in accordance with the drawings and specifications submitted for the above mentioned work and completed in a substantial workmanlike manner. Payment terms to be NET 30. **This proposal is valid for 60 days.** Licensed and Bonded.

Lic No. 115703 & 238964

SINCERELY,
PHIL KOWALCZYK

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

By: _____

PO#: _____



11030 N. 21st Ave. Phoenix, AZ 85029
602-944-3614
ROC168973 & ROC277976

Quotation



Project: Chandler Dobson Water Improvement Project
Company Name: B&F
ATTN: Estimating Department
Date: 4/12/2023

Scope of Work: Offsite pavement markings and signage.

DESCRIPTION	QUANTITY	UNIT TYPE	UNIT PRICE	AMOUNT
4" Eq. Temporary Paint Pavement Markings	17577	LF	\$ 0.35	\$ 6,151.95
4" Eq. Thermoplastic Pavement Markings	12230	LF	\$ 0.60	\$ 7,338.00
4" Eq. Final Paint Pavement Markings	5347	LF	\$ 0.40	\$ 2,138.80
RPMs	572	EA	\$ 5.00	\$ 2,860.00
Paint + Premark Arrows	18	EA	\$ 415.00	\$ 7,470.00
Paint Bike + Arrow	17	EA	\$ 200.00	\$ 3,400.00
8' Premark BUS Legend	4	EA	\$ 415.00	\$ 1,660.00
8' Premark BIKE Legend	4	EA	\$ 550.00	\$ 2,200.00
8' Premark ONLY Legend	4	EA	\$ 500.00	\$ 2,000.00
Mobilization - Paint	2	EA	\$ 1,250.00	\$ 2,500.00
Mobilization - Thermoplastic	1	EA	\$ 1,250.00	\$ 1,250.00
TOTAL				\$ 38,968.75

EXCLUSIONS: Traffic control, survey, as-built drawings, special cleaning, bonds, permits, micro seal/slurry seal/seal coat after obliteration, water supply/dump site, night/weekend work, and materials not listed above.

BID CLARIFICATIONS:

Quote is based off the following drawing sheets: Google Earth Takeoff Dated:

***Any obliteration not included above is excluded. Seal over obliteration is excluded. If PMM is approved, add @ \$.40/SF and \$1250/EA mobilization. Core drills are excluded.

***Paint and steel pricing has been continuously increasing during 2023, and as a result, Falcon reserves the right to review pricing prior to contract acceptance.

DISCLAIMER: Taxes are excluded. Standard State of Arizona insurance is provided. Davis Bacon/Prevailing Wages are not acknowledged. Addendums acknowledged: N/A. Unit pricing prevails. Retention will not be held for projects under \$10,000. Quote is valid for 30 days.

Customer Acceptance Signature:

Date:

PO Number:

Amit Satre

From: Amit Satre
Sent: Thursday, February 23, 2023 11:06 AM
To: jeff.sarpy@pmiaz.com
Cc: Josh Onstott
Subject: B&F Contracting: Chandler Dobson Sewer Improvement Project - Pavement Striping
Attachments: PMI - Subcontractor RFQ Bid Quantity.pdf; WW2005.403_Sewer_100p_Drawings.pdf; WW2005.403_Sewer_100p_Specifications.pdf

Jeff,

B&F is working on the 100% GMP Cost Model for an upcoming project with City of Chandler. I have attached the 100% plans and specifications for your reference. Can you please review and submit a quote for the **Pavement Striping** scope of work? Below is the project information:

Project Name: Dobson Road and Chandler Boulevard Intersection Sewer Improvements
Project Number: WW2005.403
Project Owner: City of Chandler
Project Contractor: B&F Contracting, Inc.

Please note: The intersection work for the project will be split in sections. As soon as we are done with one section, we would like to get temporary striping on the completed section. Please include LF pricing for the temporary striping and include \$/mobilization.

At the end of the project, we will overlay and mill the entire intersection (**Total QTY shown on Drawing Sheet S2**). After the overlay and mill, permanent pavement striping will match the existing. Drawings don't show QTY or the striping requirements. Please use google maps or site visit to quantify the total striping.

Due date for submitting the Proposal: **February 28, 2023**.

Please let me know if you might have any questions.

Thank you,



Amit D. Satre
Assistant Project Manager
Phone: (623)-582-1170
Mobile: (602)-402-5410
Email: amit.satre@bfcontracting.com

11011 N 23rd Avenue
Phoenix, AZ 85029
www.bfcontracting.com

Chandler Dobson Waterline Project WW2005.403
Allowance Explaining

[illegible]