



GUARANTEED MAXIMUM PRICE PROPOSAL

**WILLIAMSON COUNTY
EXPO CENTER**

SUBMITTAL 002

JULY 22, 2015





**Williamson County
Expo Center**
Taylor, Texas

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TAB 1

GUARANTEED MAXIMUM PRICE PROPOSAL



EXHIBIT A

GUARANTEED MAXIMUM PRICE PROPOSAL

The Construction Manager, Flintco, LLC, hereby submits to Owner, Williamson County, Texas, for the use and benefit of Owner pursuant to the provisions of the Agreement between Owner and Construction Manager-at-Risk dated effective February 17, 2015 (the "Agreement"), a Guaranteed Maximum Price (GMP) for the construction of the Williamson County Expo Center, 210 Carlos G Parker Boulevard NW, Taylor, Texas 76574 (the "Project"), based on the Contract Documents, as defined by the Agreement, developed for the Project, as follows:

Proposal Package¹	GMP Values
00 00 01 - General Requirements	\$119,889
00 00 02 - Furniture, Fixtures, & Equipment (FF&E) <i>(OFOI)</i>	\$0
01 51 13 - Temporary Power	\$22,800
01 56 26 - Temporary Fencing	\$15,338
01 57 23 - Storm Water Pollution Prevention Plan (SWPPP)	\$14,956
01 71 23 - Survey & Layout	\$13,994
01 74 16 - Maintenance & Access	\$46,284
01 74 19 - Waste Management	\$20,800
01 74 23 - Final Cleaning	\$13,257
02 41 13 - Demolition	\$25,909
03 00 00 - Concrete	\$371,099
04 00 00 - Masonry	\$431,034
05 10 00 - Structural Steel Fabrication & Erection	\$494,398
06 40 00 - Millwork	\$76,980
07 10 00 - Waterproofing & Dampproofing	\$46,044
07 42 00 - Metal Panels	\$191,009
07 54 00 - Thermoplastic-Polyolefin Roofing	\$98,234
08 33 00 - Overhead Coiling Doors & Shutters	\$74,500
08 44 00 - Glass & Glazing	\$160,091
08 71 02 - Doors, Frames & Hardware	\$129,926
09 20 00 - Drywall & Ceilings	\$379,535
09 30 00 - Tile	\$70,090
09 65 00 - Flooring	\$19,089
09 90 00 - Painting	\$180,700
10 00 00 - Specialties	\$67,593
Total to Page 2	\$3,083,549

EXHIBIT A

GUARANTEED MAXIMUM PRICE PROPOSAL

Total from Page 1	\$3,083,549
10 14 00 - Signage	\$43,901
10 22 39 - Operable Partitions	\$95,202
10 73 16 - Windscreen Canopies	\$15,810
11 34 16 - Seating	\$0
11 40 00 - Foodservice Equipment	\$43,210
11 92 00 - Agricultural Equipment (OFOI)	\$0
12 21 00 - Window Blinds	\$3,560
12 48 16 - Entrance floor Grilles	\$14,994
13 34 19 - Pre-Engineered Metal Building Systems	\$974,984
21 00 00 - Fire Suppression	\$106,493
22 00 00 - Plumbing	\$393,970
23 00 00 - Mechanical	\$482,039
26 00 00 - Electrical	\$1,789,331
27 10 00 - Communications Cabling	By Owner
27 41 00 - Audio & Video Systems	\$189,240
31 00 00 - Earthwork	\$1,204,397
32 13 00 - Site Concrete	\$243,859
32 17 00 - Paving Specialties	\$593
32 31 00 - Fencing & Gates	\$46,530
32 90 00 - Landscape	\$85,785
33 00 00 - Utilities	\$141,036
Base Cost of Work Subtotals	\$8,958,481
Construction Manager Contingency	\$1,125,460
Owner's Contingency	\$253,228
Construction Manager Fee 6.20%	\$640,904
Base Total	\$10,978,073

Footnotes

¹ Reference Construction Manager's Handbook section 00 42 00 - Procurement Scopes and GMP Qualifications & Clarifications for definition of scope for each respective Proposal Package.

Date of Substantial Completion

The date for achieving Substantial Completion of the Project shall be **June 22, 2016***.

*The above referenced date may change in accordance with the terms set forth in the Contract Documents.

ACCEPTED AND EXECUTED to be effective as of the 4th day of August, 2015.

OWNER:

WILLIAMSON COUNTY, TEXAS,
a political subdivision of the
state of Texas

By: _____

Printed Name: Dan A. Gattis

Title: Williamson County Judge

Date of Signature: _____, 2015

CONSTRUCTION MANAGER:

FLINTCO, LLC

By: _____

Printed Name: John A. Martin

Title: Division President

Date of Signature: July 29, 2015

ATTEST:

By: _____

Printed Name: Michael J. Hutter

Title: Vice President

Date of Signature: July 29, 2015

Seal:

TAB 2

EXECUTIVE PROJECT SUMMARY





Williamson County Expo Center Taylor, Texas

Executive Project Summary

The Williamson County Expo Center project is an expansion of the existing arena located at 210 Carlos G. Parker Boulevard, NW in Taylor, Texas. The project will include various site improvements, upgrades to the existing arena, a new expo facility, and a west concessions building.

The focal point of the project will be the new 48,267 sf. Expo building. The building is composed of a 23,742 sf. enclosed expo and 24,019 sf. covered expo facilities. These spaces combine to provide administrative, food preparation, large group gathering, and exterior show spaces. This is supplemented by an adjacent 506 sf. ticket building which frames a main entry for the facility with a striking structural steel trellis canopy.

The project also includes a new 3,428 sf. west concessions building which provides space for restrooms, concessions, and show offices. These independent spaces will feature a mixture of interior finishes to support the operations planned for each.

The 61,587 sf. existing arena will also receive various upgrades including removal of column A-4, freestanding wind/sun screens in the west elevation openings, power & lighting upgrades, public address system upgrades, and enhancement of the arena footing mix.

The various portions of the project will be pulled together by a fairly expansive site with approximately 117 acres contained within the project boundary. Within this area, improvements will include demolition and removal of existing paving, concessions, restrooms and stage structure to make room for a new Expo building; earthwork & grading to shape the site for optimal facility access and drainage; new paving to tie exterior circulation paths together with site lighting; a monument sign; facility security fencing; and landscape & irrigation systems.

Flintco has taken a very aggressive approach to determining the actual market cost of the project by parsing the project into its component elements, assembling these pieces into the most efficient packages (*ref. Construction Manager's Handbook*), and obtaining pricing for those packages through a competitive bid process.

The Guaranteed Maximum Price (GMP) proposal for the project as presented herein includes the entire scope of work as represented by the Contract Documents listed in Tab-5 and as amended by the Qualifications & Clarifications listed in Tab-6.

We look forward to working with Williamson County & Populous on this exciting project.

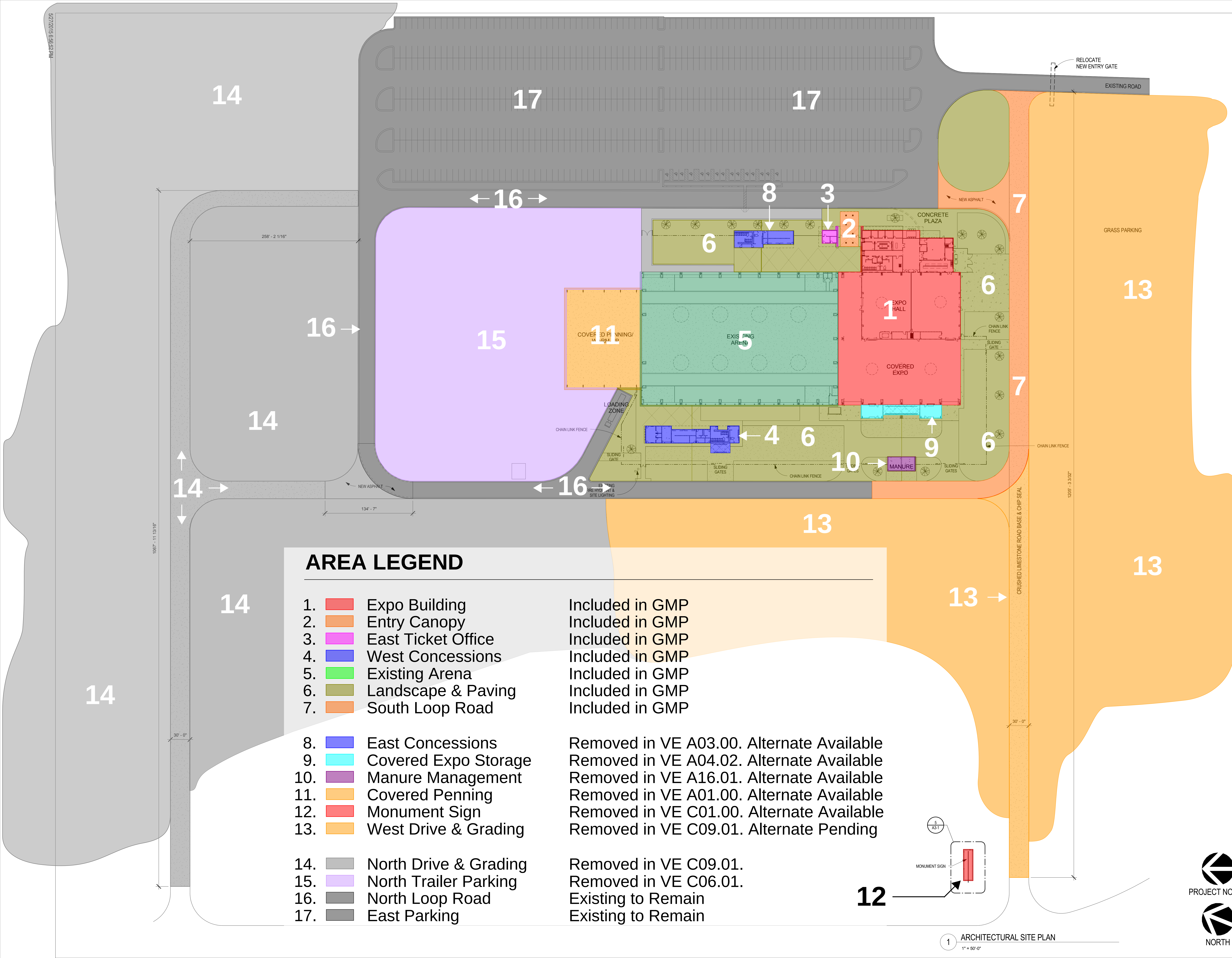
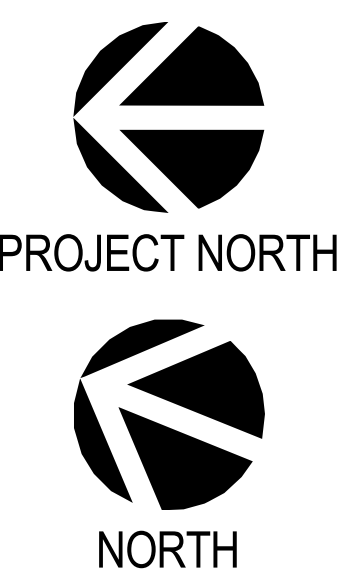
TAB 3

PROJECT MAP & AREA DESIGNATION

TAB 3



NOT FOR CONSTRUCTION - FOR BIDDING PURPOSES ONLY



1 ARCHITECTURAL SITE PLAN
1" = 50'-0"

TAB 4

BID / PROPOSAL PACKAGE STRATEGY

TAB 4





Williamson County
Expo Building
Taylor, Texas

Proposal Package Strategy

In an effort to maximize local subcontractor participation, the project has been parsed into the following proposal (bid) packages:

Proposal Packages

- 00 00 01 - General Requirements
- 00 00 02 - Furniture, Fixtures, & Equipment (FF&E)
- 01 51 13 - Temporary Power
- 01 56 26 - Temporary Fencing
- 01 57 23 - Storm Water Pollution Prevention Plan (SWPPP)
- 01 71 23 - Survey & Layout
- 01 74 16 - Maintenance & Access
- 01 74 19 - Waste Management
- 01 74 23 - Final Cleaning
- 02 41 13 - Demolition
- 03 00 00 – Concrete
- 04 00 00 - Masonry
- 05 10 00 - Structural Steel Fabrication & Erection
- 06 40 00 - Millwork
- 07 10 00 - Waterproofing & Dampproofing
- 07 42 00 - Metal Panels
- 07 54 00 - Thermoplastic-Polyolefin Roofing
- 08 33 00 - Overhead Coiling Doors & Shutters
- 08 44 00 - Glass & Glazing
- 08 71 02 - Doors, Frames & Hardware
- 09 20 00 - Drywall & Ceilings
- 09 30 00 - Tile
- 09 65 00 - Flooring
- 09 90 00 - Painting
- 10 00 00 - Specialties
- 10 14 00 - Signage
- 10 22 39 - Operable Partitions
- 10 73 16 - Windscreen Canopies
- 11 34 16 - Seating
- 11 40 00 - Foodservice Equipment
- 11 92 00 - Agricultural Equipment



- 12 21 00 - Window Blinds
- 12 48 16 - Entrance floor Grilles
- 13 34 19 - Pre-Engineered Metal Building Systems
- 21 00 00 - Fire Suppression
- 22 00 00 - Plumbing
- 23 00 00 - Mechanical
- 26 00 00 - Electrical
- 27 10 00 - Communications Cabling
- 27 41 00 - Audio & Video Systems
- 31 00 00 - Earthwork
- 32 13 00 - Site Concrete
- 32 17 00 - Paving Specialties
- 32 31 00 - Fencing & Gates
- 32 90 00 - Landscape
- 33 00 00 - Utilities

Although the above break-down may seem excessive, we have found that by splitting the project into smaller pieces allows for greater participation from the subcontractor community. All bidders are encouraged to bid on as many scopes as they are competent to perform. The Construction Manager will evaluate each proposal individually and collectively to ensure the Owner receives the best overall value.

The Proposal Package has been assembled to contain all information needed by any potential bidder. This will include Safety Requirements, Project Schedule, Site Utilization Plan, Subcontract Package, Insurance Requirements, in addition to other important information. In addition, we have conducted pre-proposal meetings to convey specific project information and provide an opportunity for all proposers to investigate the existing conditions. This provides bidders with an understanding of the project conditions and management expectations so they can submit a complete & comprehensive proposal without contingencies for unknown expectations.

Flintco, LLC has advertised the project in local publications in accordance with the Agreement and issue notifications to qualified bidders from our proprietary bid distribution system. It is our intent to receive a minimum of Three (3) qualified proposals for each scope of work.

Flintco, LLC will interview and vet proposal responses to determine the best value opportunities in accordance with the grading criteria as follows:

<u>Criteria</u>	<u>Weight</u>
1. Complete Scope Price	70%
2. Past 3 Years' Experience Modifier Rate (EMR) / Incident Rate (IR)	15%
3. Similar Project Experience	10%
4. Proposer Office Presence in Williamson County	5%

Once best value proposer is determined, Flintco, LLC will make formal recommendations to award to Williamson County.



**Self Performance Statement

Flintco, LLC intends to submit competitive proposals to self-perform the following proposal packages:

- 03 00 00 – Concrete
- 32 13 00 - Site Concrete

TAB 5

ALTERNATES

TAB 5





Alternates

The following Alternates are hereby included in the Guaranteed Maximum Price (GMP) Proposal and may be added to the scope of work at the respective GMP values provided direction for work is provided by indicated milestone dates in Master Project Schedule.

Alternates ¹	GMP Values
Architectural	
A 01.00 - Covered Penning Building	\$ 745,353
A 03.00 - East Concessions Building	\$ 575,065
A 04.02 - Covered Expo Storage Buildings & Wash Bay	\$ 282,481
Architectural Alternates Subtotal	\$ 1,602,899
Miscellaneous	
A 14.01 - Existing Arena Restroom Renovations	\$ 32,224
A 16.01 - Manure Management Area	\$ 26,400
Miscellaneous Alternates Subtotal	\$ 58,624
Mechanical	
M 02.01 - Fans @ Existing Arena	\$ 63,720
M 03.01 - Fans @ Covered Expo	\$ 20,709
M 04.01 - Fans @ Enclosed Expo	\$ 13,806
M 05.01 - Radiant Tube Heaters @ Covered Expo	\$ 32,745
Mechanical Alternates Subtotal	\$ 130,980
Structural	
S 04.01 - Remove 6" Slab-on-Grade @ Covered Expo	\$ 159,300
Structural Alternates Subtotal	\$ 159,300
Civil & Utilities	
C 03.01 - Omit Site Ribbon Curbs	\$ 82,989
C 04.01 - Omit Curb & Gutters	\$ 9,426
C 07.01 - Chain link fencing & gates at main entry in lieu of decorative metal system	\$ 12,081
Civil & Utilities Alternates Subtotal	\$ 104,496
Alternates Total	\$2,056,299

Footnotes

¹ Reference Tab 9 - Value Engineering for detailed list of items included in Alternates

TAB 6

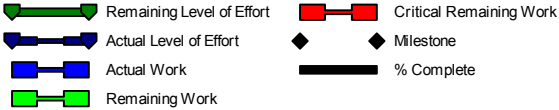
MASTER PROJECT SCHEDULE

TAB 6



Activity Name	Duration	Start Date	Finish Date	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Williamson County Exposition Center - C				387d	16-Dec-14 A	20-Jul-16													
Summary				387d	16-Dec-14 A	20-Jul-16													
A1000	Post RFQ	0d	16-Dec-14 A																
A1010	Mandatory On-site Meeting	0d	12-Jan-15 A																
A1020	Question Submittal Deadline	0d	14-Jan-15 A																
A1030	Receive RFQ Submittals	0d	16-Jan-15 A																
A1040	Evaluation of RFQ Submittals	0d	21-Jan-15 A																
A1050	Send RFP to Finalist on Short List	0d	21-Jan-15 A																
A1060	Receive RFP Submissions	0d	02-Feb-15 A																
A1070	Interviews/Presentations	1d	04-Feb-15 A	04-Feb-15 A															
A1080	Select/Recommend CMR	0d	06-Feb-15 A																
A1090	Receive Signed Contract from CMR	0d	16-Feb-15 A																
A1100	Commissioners Court Approval of CMR	0d	24-Feb-15 A																
A1110	County Issues Notice to Proceed	0d	06-Feb-15 A																
A1120	CMR Initial Estimate of Cost Based on Schematic	0d	24-Feb-15 A																
A1130	CMR Participates in Value Engineering Study	5d	16-Mar-15 A	20-Mar-15 A															
A1140	Design Development Drawings Available for Pricing	0d	15-May-15 A																
A1150	Guaranteed Maximum Price Proposal and Contract Due	0d	22-Jun-15*																
A1470	60% CD Documents Delivery	0d	31-Jul-15*																
A1520	DELAY: 100% CD Document Delivery	33d	31-Jul-15*	16-Sep-15															
A1530	Contractual 100% CD Delivery	0d	31-Jul-15*																
A1200	Approval of GMP Proposal	0d	04-Aug-15*																
A1480	Pre-Engineered Metal Building Document Package Issued	0d	14-Aug-15*																
A1300	Notice to Proceed Issued	0d	20-Aug-15*																
A1460	90% CD Documents Delivery	0d	26-Aug-15*																
A1610	Subcontract Negotiation	134d	03-Sep-15	11-Mar-16															
A7550	Public Address System Design Complete	0d	16-Sep-15*																
A1160	100% CD Documents Delivery	0d	17-Sep-15*																
A1230	Permit Procurement	20d	17-Sep-15	14-Oct-15															
A5720	Utility Provider Service Agreement	30d	17-Sep-15	28-Oct-15															
A2040	Submittal Procurement	64d	18-Sep-15	17-Dec-15															
A1240	Receive Site Development Permit	0d	01-Oct-15																
A1250	Receive Building Permit	0d	15-Oct-15																
A1370	Excavation & Building Pad Prep	40d	10-Nov-15	06-Jan-16															
A5490	Footings & Grade Beams	83d	09-Dec-15	04-Apr-16															
A5820	Electrical Rough-In	105d	09-Dec-15	04-May-16															
A1450	Plumbing	102d	23-Dec-15	13-May-16															
A5500	Slab-on-Grade	23d	23-Dec-15	25-Jan-16															
A5670	Structural & Misc Steel	95d	28-Dec-15	06-May-16															
A1440	Pre-Engineered Metal Building Erection	71d	06-Jan-16	13-Apr-16															
A2140	Submittal Approval	0d	25-Jan-16	25-Jan-16															
A2150	Material Procurement	30d	25-Jan-16	04-Mar-16															
A6210	Masonry	72d	02-Feb-16	11-May-16															
A1380	Fine Grading / Soil Conditioning / Road Base	48d	04-Feb-16	11-Apr-16															
A6400	Doors/Frames/Hardware	84d	08-Feb-16	03-Jun-16															
A1400	Mechanical Systems Rough-in	55d	22-Feb-16	06-May-16															
A6540	Drywall & Acoustical Ceilings	72d	22-Feb-16	01-Jun-16															
A7300	Fire Suppression Systems	62d	29-Feb-16	24-May-16															
A5870	Fluid Applied Air Barriers	10d	07-Mar-16	18-Mar-16															
A5910	TPO Roofing Systems	16d	07-Mar-16	28-Mar-16															
A5900	Metal Panels	50d	14-Mar-16	20-May-16															
A6310	Glass & Glazing Systems	48d	14-Mar-16	18-May-16															
A6790	Paints & Coatings	63d	14-Mar-16	09-Jun-16															
A7380	Structured Cabling	53d	14-Mar-16	25-May-16															
A4820	Permanent Power	0d	18-Mar-16																
A6010	Lighting & Trim-out	40d	31-Mar-16	25-May-16															
A5410	Millwork & Counter Tops	41d	04-Apr-16	31-May-16															
A6590	Tile Installation	26d	04-Apr-16	09-May-16															
A1420	Mechanical Systems Trim-out & Start-up	37d	11-Apr-16	01-Jun-16															
A7040	Operable Panel Partition	36d	13-Apr-16	02-Jun-16															
A7090	Foodservice Counters & Sinks	20d	18-Apr-16	13-May-16															
A5920	Overhead Colling Doors	17d	25-Apr-16	17-May-16															
A6660	Flooring	30d	05-May-16	16-Jun-16															
A7560	Audio & Video Systems	23d	09-May-16	09-Jun-16															
A6870	Specialties	28d	12-May-16	21-Jun-16															
A7170	Window Blinds	13d	16-May-16	02-Jun-16															
A5270	Signage	18d	19-May-16	14-Jun-16															
A1170	Project Substantially Complete & Available for Use	0d	22-Jun-16																
A1500	2016 Taylor Tractor Pull	5d	22-Jun-16*	28-Jun-16															

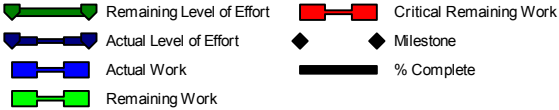
Act ID	Activity Name	Orig Dur	Start	Finish	2015												2016							
					May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug				
A6300	Window System Submittal Procurement	10d	11-Dec-15	24-Dec-15																				
A6240	Roofing Submittal Procurement	15d	18-Dec-15	08-Jan-16																				
A6420	Drywall Materials Submittal Procurement	10d	18-Dec-15	01-Jan-16																				
A6450	Acoustical Ceilings Submittal Procurement	15d	18-Dec-15	08-Jan-16																				
A6480	Plywood Backboard Submittal Procurement	10d	18-Dec-15	01-Jan-16																				
A6510	Acoustical Panels Submittal Procurement	10d	18-Dec-15	01-Jan-16																				
A6560	Tile Submittal Procurement	15d	18-Dec-15	08-Jan-16																				
A4050	Millwork Submittal Procurement	15d	28-Dec-15	15-Jan-16																				
A6600	Carpet Submittal Procurement	15d	28-Dec-15	15-Jan-16																				
A6630	Rubber Base Submittal Procurement	10d	28-Dec-15	08-Jan-16																				
A6670	Paint Material Submittal Procurement	15d	04-Jan-16	22-Jan-16																				
A6700	High Performance Coatings Submittal Procurement	15d	04-Jan-16	22-Jan-16																				
A6730	Concrete Floor Sealer Submittal Procurement	10d	04-Jan-16	15-Jan-16																				
A6760	Tape & Bed Material Submittal Procurement	10d	04-Jan-16	15-Jan-16																				
A6800	Toilet Partitions Submittal Procurement	15d	04-Jan-16	22-Jan-16																				
A6840	Toilet Accessories Submittal Procurement	15d	04-Jan-16	22-Jan-16																				
A6880	Pin Mounted Signage Materials Submittal Procurement	15d	04-Jan-16	22-Jan-16																				
A6930	Room Signage Materials Submittal Procurement	10d	04-Jan-16	15-Jan-16																				
A6980	Custom Graphic Signage Material Submittal Procurement	20d	04-Jan-16	29-Jan-16																				
A7010	Operable Panel Partition Submittal Procurement	20d	04-Jan-16	29-Jan-16																				
A7060	Foodservice Counters & Sinks Submittal Procurement	20d	04-Jan-16	29-Jan-16																				
A7390	Televisions & Brackets Submittal Procurement	15d	04-Jan-16	22-Jan-16																				
A7420	Public Address System Submittal Procurement	15d	04-Jan-16	22-Jan-16																				
A6270	Overhead Coiling Doors Submittal Procurement	15d	18-Jan-16	05-Feb-16																				
A2080	Rodeo Equipment Submittal Procurement	20d	25-Jan-16	19-Feb-16																				
A7140	Window Blinds Submittal Procurement	20d	25-Jan-16	19-Feb-16																				
A6950	Room Signage Samples Procurement	20d	01-Feb-16	26-Feb-16																				
A6900	Pin Mounted Signage Samples Procurement	20d	08-Feb-16	04-Mar-16																				
Submittal Approval		109d	16-Oct-15	18-Mar-16																				
A1410	Exposition Pre-Fabricated Metal Building Submittal Approval	5d	16-Oct-15	22-Oct-15																				
A1680	Electrical General Materials Submittal Approval	5d	19-Nov-15	25-Nov-15																				
A1700	Plumbing General Materials Submittal Approval	5d	19-Nov-15	25-Nov-15																				
A5520	Misc. Metal Submittal Approval	10d	19-Nov-15	03-Dec-15																				
A6100	Mechanical Exhaust Fans Submittal Approval	10d	19-Nov-15	03-Dec-15																				
A6340	Mirrors Systems Submittal Approval	10d	19-Nov-15	03-Dec-15																				
A1710	Plumbing Fixture Submittal Approval	5d	27-Nov-15	03-Dec-15																				
A2060	Mechanical General Materials Submittal Approval	5d	27-Nov-15	03-Dec-15																				
A5550	Steel Joist & Decking Submittal Approval	10d	27-Nov-15	10-Dec-15																				
A5620	Structural Steel Submittal Approval	10d	27-Nov-15	10-Dec-15																				
A5680	Electrical Switchgear Submittal Approval	10d	27-Nov-15	10-Dec-15																				
A5700	Electrical Transformers/Panels Submittal Approval	15d	27-Nov-15	17-Dec-15																				
A6060	Mechanical Split Systems Submittal Approval	10d	27-Nov-15	10-Dec-15																				
A6080	Mechanical Package Systems Submittal Approval	10d	27-Nov-15	10-Dec-15																				
A6120	Mechanical Control Systems Submittal Approval	10d	04-Dec-15	17-Dec-15																				
A6190	Masonry Submittal Approval	10d	04-Dec-15	17-Dec-15																				
A5650	Trellis Steel Submittal Approval	10d	11-Dec-15	24-Dec-15																				
A6220	Metal Panels Submittal Approval	10d	11-Dec-15	24-Dec-15																				
A1690	Electrical Lighting Submittal Approval	10d	18-Dec-15	01-Jan-16																				
A7240	Wet Sprinkler AHJ Submittal Review	15d	18-Dec-15	08-Jan-16																				
A7270	Dry Sprinkler AHJ Submittal Review	15d	18-Dec-15	08-Jan-16																				
A5590	Windscreen Steel Submittal Approval	10d	28-Dec-15	08-Jan-16																				
A6320	Window System Submittal Approval	10d	28-Dec-15	08-Jan-16																				
A6380	Doors/Frames/Hardware Submittal Approval	10d	28-Dec-15	08-Jan-16																				
A5850	Fluid Applied Submittal Approval	10d	04-Jan-16	15-Jan-16																				
A6430	Drywall Materials Submittal Approval	10d	04-Jan-16	15-Jan-16																				
A6490	Plywood Backboard Submittal Approval	10d	04-Jan-16	15-Jan-16																				
A6520	Acoustical Panels Submittal Approval	10d	04-Jan-16	15-Jan-16																				
A6250	Roofing Submittal Approval	10d	11-Jan-16	22-Jan-16																				
A6460	Acoustical Ceilings Submittal Approval	10d	11-Jan-16	22-Jan-16																				
A6570	Tile Submittal Approval	10d	11-Jan-16	22-Jan-16																				
A6640	Rubber Base Submittal Approval	10d	11-Jan-16	22-Jan-16																				
A7220	Wet Sprinkler EOR Submittal Approval	10d	11-Jan-16	22-Jan-16																				
A7280	Dry Sprinkler EOR Submittal Approval	10d	11-Jan-16	22-Jan-16																				
A5310	Millwork Submittal Approval	10d	18-Jan-16	29-Jan-16																				
A6610	Carpet Submittal Approval	10d	18-Jan-16	29-Jan-16																				
A6740	Concrete Floor Sealer Submittal Approval	10d	18-Jan-16	29-Jan-16																				
A6770	Tape & Bed Material Submittal Approval	10d	18-Jan-16	29-Jan-16																				
A6940	Room Signage Materials Submittal Approval	10d	18-Jan-16	29-Jan-16																				
A2090	Rodeo Equipment Submittal Approval	5d	25-Jan-16	29-Jan-16																				
A6680	Paint Material Submittal Approval	10d	25-Jan-16	05-Feb-16																				



Williamson County Exposition Center - GMP Proposal



Act ID	Activity Name	Orig Dur	Start	Finish	2015												2016							
					May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug				
A6710	High Performance Coatings Submittal Approval	10d	25-Jan-16	05-Feb-16																				
A6810	Toilet Partitions Submittal Approval	10d	25-Jan-16	05-Feb-16																				
A6850	Toilet Accessories Submittal Approval	10d	25-Jan-16	05-Feb-16																				
A6890	Pin Mounted Signage Materials Submittal Approval	10d	25-Jan-16	05-Feb-16																				
A7400	Televisions & Brackets Submittal Approval	10d	25-Jan-16	05-Feb-16																				
A7430	Public Address System Submittal Approval	10d	25-Jan-16	05-Feb-16																				
A6990	Custom Graphic Signage Material Submittal Approval	10d	01-Feb-16	12-Feb-16																				
A7020	Operable Panel Partition Submittal Approval	20d	01-Feb-16	26-Feb-16																				
A7070	Foodservice Counters & Sinks Submittal Approval	10d	01-Feb-16	12-Feb-16																				
A6280	Overhead Colling Doors Submittal Approval	10d	08-Feb-16	19-Feb-16																				
A7150	Window Blinds Submittal Approval	10d	22-Feb-16	04-Mar-16																				
A6960	Room Signage Samples Approval	10d	29-Feb-16	11-Mar-16																				
A6910	Pin Mounted Signage Samples Approval	10d	07-Mar-16	18-Mar-16																				
Material Procurement		159d	23-Oct-15	06-Jun-16																				
A1430	Exposition Pre-Fabricated Metal Building Fabrication	45d	23-Oct-15	28-Dec-15																				
A5730	Utility Provider Transformer Procurement	90d	29-Oct-15	04-Mar-16																				
A1640	Electrical General Materials Procurement	5d	27-Nov-15	03-Dec-15																				
A1650	Plumbing General Materials Procurement	5d	27-Nov-15	03-Dec-15																				
A1670	Plumbing Fixture Procurement	20d	04-Dec-15	01-Jan-16																				
A2070	Mechanical General Materials Procurement	15d	04-Dec-15	24-Dec-15																				
A5530	Misc. Metal Material Fabrication & Delivery	15d	04-Dec-15	24-Dec-15																				
A6110	Mechanical Exhaust Fans Equipment Procurement	30d	04-Dec-15	15-Jan-16																				
A6350	Mirrors Systems Material Procurement	15d	04-Dec-15	24-Dec-15																				
A5560	Steel Joist Material Procurement	30d	11-Dec-15	22-Jan-16																				
A5570	Steel Decking Material Procurement	30d	11-Dec-15	22-Jan-16																				
A5630	Structural Steel Material Fabrication & Delivery	20d	11-Dec-15	08-Jan-16																				
A5690	Electrical Switchgear Material Procurement	60d	11-Dec-15	04-Mar-16																				
A6070	Mechanical Split Systems Equipment Procurement	30d	11-Dec-15	22-Jan-16																				
A6090	Mechanical Package Systems Equipment Procurement	45d	11-Dec-15	12-Feb-16																				
A5710	Electrical Transformers/Panels Material Procurement	30d	18-Dec-15	29-Jan-16																				
A6130	Mechanical Control Systems Equipment Procurement	60d	18-Dec-15	11-Mar-16																				
A6200	Masonry Material Procurement	25d	18-Dec-15	22-Jan-16																				
A7200	Entrance Floor Grille Material Procurement	50d	18-Dec-15	26-Feb-16																				
A5660	Trellis Steel Fabrication & Delivery	20d	28-Dec-15	22-Jan-16																				
A6230	Metal Panels Material Procurement	30d	28-Dec-15	05-Feb-16																				
A1660	Electrical Light Fixture Procurement	45d	04-Jan-16	04-Mar-16																				
A5600	Windscreen Steel Material Fabrication & Delivery	15d	11-Jan-16	29-Jan-16																				
A6360	Window System Material Fabrication	25d	11-Jan-16	12-Feb-16																				
A6390	Door Frame Material Procurement	20d	11-Jan-16	05-Feb-16																				
A6410	Doors & Hardware Material Procurement	60d	11-Jan-16	01-Apr-16																				
A5860	Fluid Applied Material Procurement	20d	18-Jan-16	12-Feb-16																				
A6440	Drywall Materials Procurement	10d	18-Jan-16	29-Jan-16																				
A6500	Plywood Backboard Material Procurement	10d	18-Jan-16	29-Jan-16																				
A6530	Acoustical Panels Material Procurement	60d	18-Jan-16	08-Apr-16																				
A2100	Rodeo Equipment Procurement	45d	25-Jan-16	25-Mar-16																				
A6260	Roofing Submittal Material Procurement	20d	25-Jan-16	19-Feb-16																				
A6470	Acoustical Ceilings Material Procurement	20d	25-Jan-16	19-Feb-16																				
A6580	Tile Material Procurement	40d	25-Jan-16	18-Mar-16																				
A6650	Rubber Base Material Procurement	20d	25-Jan-16	19-Feb-16																				
A7230	Wet Sprinkler Material Procurement	25d	25-Jan-16	26-Feb-16																				
A7290	Dry Sprinkler Material Procurement	25d	25-Jan-16	26-Feb-16																				
A5350	Millwork Fabrication & Delivery	30d	01-Feb-16	11-Mar-16																				
A6620	Carpet Material Procurement	40d	01-Feb-16	25-Mar-16																				
A6750	Concrete Floor Sealer Material Procurement	10d	01-Feb-16	12-Feb-16																				
A6780	Tape & Bed Material Procurement	10d	01-Feb-16	12-Feb-16																				
A6690	Paint Material Procurement	10d	08-Feb-16	19-Feb-16																				
A6720	High Performance Coatings Material Procurement	20d	08-Feb-16	04-Mar-16																				
A6860	Toilet Accessories Material Procurement	30d	08-Feb-16	18-Mar-16																				
A7410	Televisions & Brackets Material Procurement	20d	08-Feb-16	04-Mar-16																				
A7440	Public Address System Material Procurement	45d	08-Feb-16	08-Apr-16																				
A7000	Custom Graphic Signage Material Procurement	40d	15-Feb-16	08-Apr-16																				
A7080	Foodservice Counters & Sinks Material Procurement	30d	15-Feb-16	25-Mar-16																				
A6290	Overhead Colling Doors Material Procurement	30d	22-Feb-16	01-Apr-16																				
A7030	Operable Panel Partition Material Procurement	20d	29-Feb-16	25-Mar-16																				
A7160	Window Blinds Material Procurement	40d	07-Mar-16	29-Apr-16																				
A6970	Room Signage Fabrication & Delivery	60d	14-Mar-16	06-Jun-16																				
A7120	Canopy Fabric Material Procurement	30d	14-Mar-16	22-Apr-16																				
A6920	Pin Mounted Signage Fabrication & Delivery	40d	21-Mar-16	13-May-16																				
A6830	Toilet Partitions As-Built Measurements	5d	29-Mar-16	04-Apr-16																				
A6820	Toilet Partitions Material Procurement	25d	05-Apr-16	09-May-16																				



Williamson County Exposition Center - GMP Proposal



Act ID	Activity Name	Orig Dur	Start	Finish	2015												2016							
					May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug				
Operations		180d	29-Oct-15	12-Jul-16																				
Sitework		165d	29-Oct-15	20-Jun-16																				
A2600	Remove Existing Freezer/Cooler	3d	29-Oct-15	02-Nov-15																				
A1590	Electrical Make-Safe of Existing Buildings for Demolition	3d	05-Nov-15	09-Nov-15																				
A5450	Plumbing Make-Safe of Existing Buildings for Demolition	3d	05-Nov-15	09-Nov-15																				
A1190	Demolition of Existing Restroom/Concessions Buildings & Stage	5d	10-Nov-15	16-Nov-15																				
A2570	Demo Site Paving & Ramps	5d	10-Nov-15	16-Nov-15																				
A2590	Demo Chain Link Fencing	5d	17-Nov-15	23-Nov-15																				
A1210	Site Clearing / Excavation	20d	24-Nov-15	22-Dec-15																				
A5460	Footings for Relocated Entry Gate	5d	18-Dec-15	24-Dec-15																				
A2740	Transformer/Switchgear Pads	15d	23-Dec-15	13-Jan-16																				
A2950	Sanitary Drainage Utility System Piping	15d	23-Dec-15	13-Jan-16																				
A3210	Site Paving Area Drains	10d	23-Dec-15	06-Jan-16																				
A4730	Conduit to Monument Signs	10d	23-Dec-15	06-Jan-16																				
A5740	Set Primary Power Pole	5d	23-Dec-15	30-Dec-15																				
A2710	Relocate Existing Entry Gate Assembly	20d	28-Dec-15	22-Jan-16																				
A5750	Site Power Conduits	15d	31-Dec-15	20-Jan-16																				
A5760	Site Data / Communication Conduits	15d	31-Dec-15	20-Jan-16																				
A2720	Monument Sign	30d	07-Jan-16	17-Feb-16																				
A2940	Domestic Water Utility Piping	15d	14-Jan-16	03-Feb-16																				
A2560	Demo/Remove 8" Water Line	10d	21-Jan-16	03-Feb-16																				
A1220	Soil Conditioning	30d	04-Feb-16	16-Mar-16																				
A2330	Relocate Fire Hydrant	5d	04-Feb-16	10-Feb-16																				
A2010	Site Fine Grading & Road Base Prep	30d	01-Mar-16	11-Apr-16																				
A4670	Set Utility Provider Transformer	5d	07-Mar-16	11-Mar-16																				
A4680	Set Main Switchgear	10d	07-Mar-16	18-Mar-16																				
A4650	Drill/Pour Light Pole Bases	10d	17-Mar-16	30-Mar-16																				
A4660	New Site Lighting	15d	31-Mar-16	20-Apr-16																				
A4720	Parking Lot Light Revisions	10d	31-Mar-16	13-Apr-16																				
A5770	Permanent Power to SP Transformer & Switchgear	0d	04-Apr-16																					
A2660	South Concrete Paving	10d	12-Apr-16	25-Apr-16																				
A2700	East Expo Asphalt Roadway	10d	12-Apr-16	25-Apr-16																				
A2690	East Existing Arena Concrete Paving	10d	19-Apr-16	02-May-16																				
A2610	New Chain Link Fencing & Gates	15d	26-Apr-16	16-May-16																				
A2680	West Existing Arena Concrete Paving	10d	03-May-16	16-May-16																				
A2620	Topsail	15d	09-May-16	27-May-16																				
A2630	Irrigation	15d	16-May-16	06-Jun-16																				
A2670	West Expo Asphalt Paving	5d	17-May-16	23-May-16																				
A2650	Trees	15d	23-May-16	13-Jun-16																				
A2640	Sod/Ground Cover	15d	31-May-16	20-Jun-16																				
A2980	Sitework Substantially Complete	0d		20-Jun-16																				
Expo Building (Column Lines 1-7 & L-T)		167d	17-Nov-15	12-Jul-16																				
A1810	Administration Area Process	147d	17-Nov-15	13-Jun-16																				
A1820	Enclosed Expo Construction Process	147d	17-Nov-15	13-Jun-16																				
A1830	Covered Expo Construction Process	150d	17-Nov-15	16-Jun-16																				
A5260	Expansive Soil Removal/Replacement	15d	17-Nov-15	08-Dec-15																				
A5470	Grade Beams	15d	09-Dec-15	30-Dec-15																				
A5480	Slab-on-Grade	14d	23-Dec-15	12-Jan-16																				
A1760	Exposition Building City Inspection	1d	17-Jun-16	17-Jun-16																				
A1770	Exposition Building Substantially Completion	0d		17-Jun-16																				
A1780	Exposition Building Punch List	15d	20-Jun-16	11-Jul-16																				
A1790	Exposition Building Final Inspection	1d	12-Jul-16	12-Jul-16																				
A1800	Exposition Building Final Completion	0d		12-Jul-16																				
Administrative		132d	09-Dec-15	13-Jun-16																				
A4290	Grade Beams	15d	09-Dec-15	30-Dec-15																				
A4310	Underslab Plumbing Rough-in	10d	09-Dec-15	22-Dec-15																				
A4320	Underslab Electrical Rough-in	10d	09-Dec-15	22-Dec-15																				
A4300	Slab on Grade	10d	23-Dec-15	06-Jan-16																				
A4630	Set Grease Trap	20d	23-Dec-15	20-Jan-16																				
A5190	Concrete Cure to Strength	5d	07-Jan-16	13-Jan-16																				
A4490	Structural Steel / Metal Decking Erection	20d	25-Jan-16	19-Feb-16																				
A2850	Exterior Framing & Sheating	10d	22-Feb-16	04-Mar-16																				
A3230	Electrical In-Wall & Overhead Rough-In	20d	22-Feb-16	18-Mar-16																				
A3240	Mechanical Overhead Rough-in	20d	22-Feb-16	18-Mar-16																				
A3250	Plumbing In-Wall & Overhead Rough-in	15d	22-Feb-16	11-Mar-16																				
A3470	Set Door Frames	5d	22-Feb-16	26-Feb-16																				
A6000	Data / Communications Above Slab Rough-in	15d	22-Feb-16	11-Mar-16																				
A3290	Fire Sprinkler Rough-in	25d	29-Feb-16	01-Apr-16																				
A2840	TPO Roofing & Copings	10d	07-Mar-16	18-Mar-16																				



[illegible]

 Remaining Level of Effort
  Critical Remaining Work

 Actual Level of Effort
  Milestone

 Actual Work
  % Complete

 Remaining Work

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

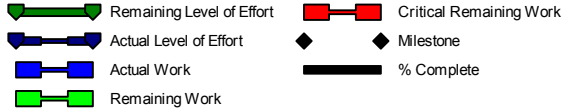
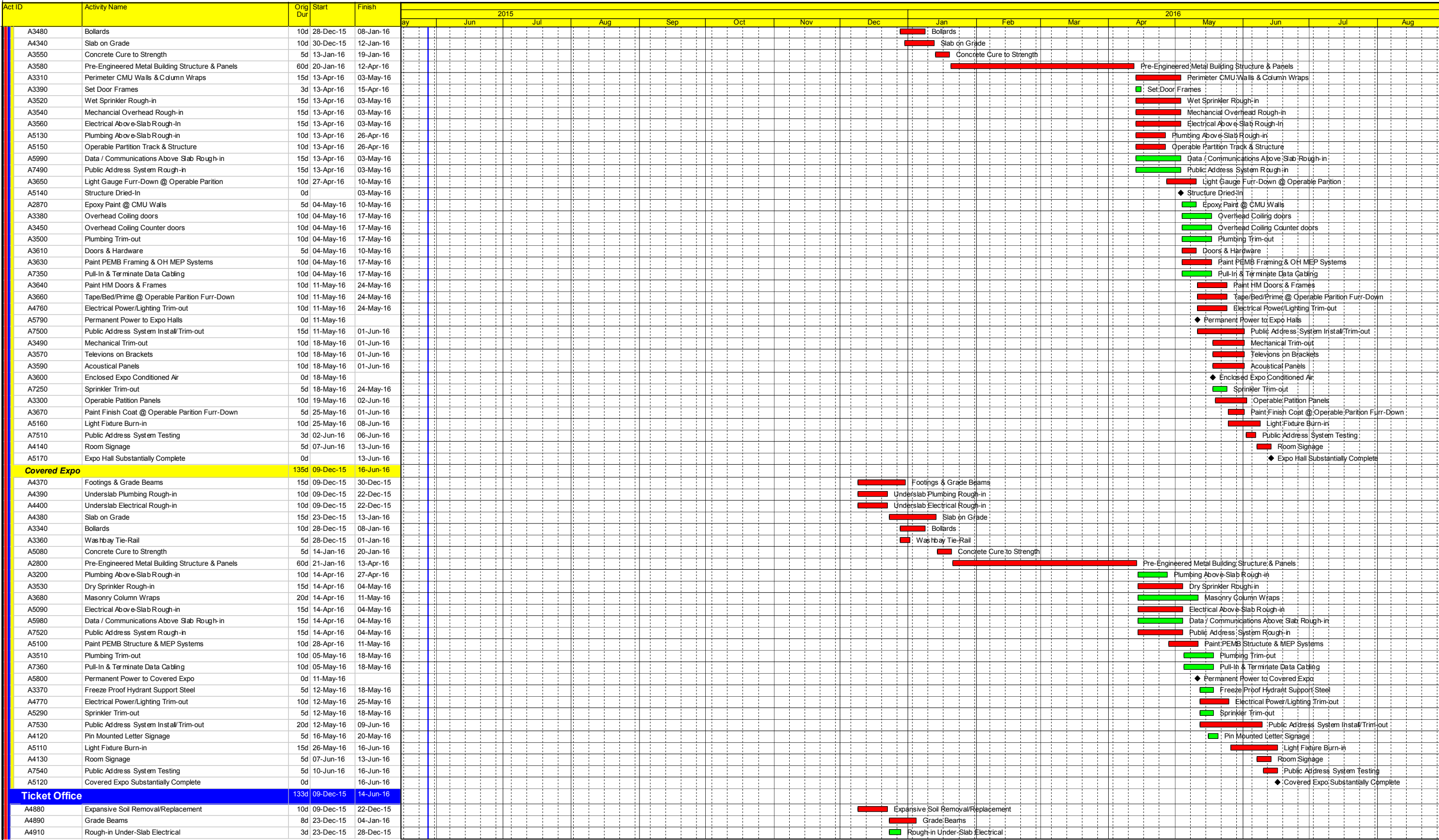
Milestone

% Complete

Williamson County Exposition Center - GMP Proposal

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Williamson County Exposition Center - GMP Proposal



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 Remaining Level of Effort  Actual Level of Effort  Actual Work  Remaining Work  Critical Remaining Work  Milestone  % Complete	Williamson County Exposition Center - GMP Proposal Page 8 of 10	
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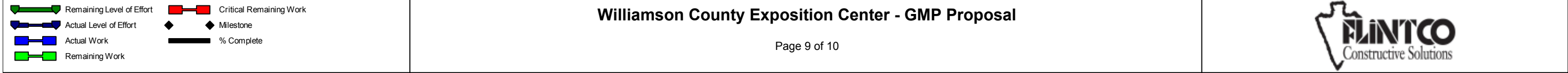
[illegible]

 Remaining Level of Effort
  Critical Remaining Work

 Actual Level of Effort
  Milestone

 Actual Work
 % Complete

 Remaining Work



Act ID	Activity Name	Orig Dur	Start	Finish																								
					2015												2016											
					May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug								
	A4790	Electrical Power/Lighting Trim-out	20d	07-Mar-16	01-Apr-16																							
	A4710	Remove/Replace Column Light Fixtures	5d	28-Mar-16	01-Apr-16																							
	A5810	Permanent Power to Existing Arena Panels	0d	25-Apr-16																								
	A5050	Arena Lighting Burn-In	15d	26-Apr-16	16-May-16																							

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

% Complete

Williamson County Exposition Center - GMP Proposal



TAB 7

QUALIFICATIONS & CLARIFICATIONS



TAB 7



Williamson County
Expo Building
Taylor, Texas

Qualifications & Clarifications

The following represents specific qualification and clarification items that the Guaranteed Maximum Price (GMP) is based upon. They are as follows:

00 00 00 – Contract

1. Flintco, LLC (CMAR) will coordinate construction document provisions among relevant subcontracting parities, however Owner/Architect shall remain responsible for ensuring documents are representative of all codes, laws, rules, and ordinances of Authorities Having Jurisdiction (AHJ).
2. This GMP assumes full CAD files and Revit (BIM) model will be provided to Flintco, LLC and subcontractors at no additional charge.
3. This GMP includes project materials as specified or modified herein by the CMAR.

00 00 02 – Furniture, Fixtures & Equipment (FF&E)

4. It is the understanding of the Construction Manager that the FF&E is to be accounted for outside the project construction GMP as represented in the project budget analysis, therefore all FF&E funds have been pulled from the project construction GMP herein.

00 31 26 – Existing Hazardous Materials

5. This GMP assumes project site is clear of all hazardous and/or contaminated materials.

01 32 16 – Construction Schedule

6. The GMP proposal Master Project Schedule is based upon receipt the following on or before following dates:
 - 6.1. Pre-Engineered Metal Building Document PackageAugust 14, 2015
 - 6.2. Notice to Proceed.....August 20, 2015
 - 6.3. 100% Construction Documents Issued For Construction.....September 16, 2015
 - 6.4. Building Permit.....October 15, 2015Delays beyond deadlines noted above will incur a day for day delay in completion dates.

01 41 26 – Permits

7. This GMP assumes all fees related to project permitting and planning are to be paid by the Owner from the City Planning & Permitting budget, therefore no monies are provided in this GMP proposal for permitting fees.

01 45 23 – Testing & Inspection

8. This GMP assumes the Owner will provide materials testing services. No funds have been included for these services.

01 51 13 – Temporary Electricity

9. This GMP includes an allowance of Twenty Two Thousand Eight Hundred Dollars (\$22,800) for temporary electricity. This is inclusive of all cost for temporary connections and service/use fees.
10. This GMP assumes electrical provider will provide permanent power in accordance with project schedule. In the event provider is delayed, a generator may be required to power systems for start-up.

02 00 00 – Final Clean

11. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 02 00 00 – Final Clean. This specifically includes:
 - 11.1. One (1) complete final clean of all facilities,
 - 11.2. One (1) powder puff clean prior to final completion,
 - 11.3. One (1) cleaning of all exterior glass surfaces,

02 41 00 – Demolition

12. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 02 41 00 – Demolition. This specifically excludes:
 - 12.1. Disturbing or removing hazardous and/or contaminated materials,

03 00 00 – Turn-Key Concrete

13. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 03 00 00 – Turn-Key Concrete. In addition, this specifically includes:
 - 13.1. Forming:
 - 13.1.1. No architectural requirements for forming,
 - 13.1.2. No first run only forming materials,
 - 13.1.3. No FSC or requirements for forming materials.
 - 13.2. Reinforcing:
 - 13.2.1. Standard mill reinforcing steel bar and/or welded wire fabric,
 - 13.2.2. No epoxy coated reinforcing,
 - 13.2.3. No couplers or mechanical splicing,
 - 13.3. Concrete Material:
 - 13.3.1. Locally available concrete materials,
 - 13.3.2. No integrally colored concrete,
 - 13.3.3. No high strength structural concrete (i.e. above 5,000 psi)

13.4. Place & Finish:

13.4.1. Standard flatness & levelness requirements,

13.5. Allowance in the amount of Five Thousand Five Hundred Dollars (\$5,500) for the relocation of existing entry gate footing.

04 00 00 – Masonry

- 14. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 04 00 00 - Masonry.
- 15. This GMP assumes standard grade/color of locally sourced split face and burnished CMU.
- 16. This GMP assumes all cast stone material from manufacturer's standard color palette.
- 17. This GMP includes Type N mortar as referenced in specification 04 20 00.
- 18. This GMP assumes no custom color mortars or grouts on the project.
- 19. This GMP includes 4" split faced CMU over 8" grey CMU at north, west & south exterior walls of the Expo building per CM Amendment #2.

05 10 00 – Structural Steel

- 20. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 05 10 00 – Structural Steel.

05 50 13 – Pipe & Tube Railings

- 21. Specification section 05 50 13 was provided with the design development documents. No pipe and tube railings are indicated on the drawings nor do any locations of clear need stand out, therefore none of these elements have been included in the GMP proposal.

05 53 13 – Metal Bar Gratings

- 22. Specification section 05 53 13 was provided with the design development documents. No metal bar gratings are indicated on the drawings nor do any locations of clear need stand out, therefore none of these elements have been included in the GMP proposal.

05 58 19 – Heating – Cooling Unit Covers

- 23. Specification section 05 58 19 was provided with the design development documents. No mechanical unit covers are indicated on the drawings nor do any locations of clear need stand out, therefore none of these elements have been included in the GMP proposal.

05 73 00 – Decorative Metal Railings

- 24. Specification section 05 73 00 was provided with the design development documents. No decorative metal railings are indicated on the drawings nor do any locations of clear need stand out, therefore none of these elements have been included in the GMP proposal.

06 40 00 – Millwork

25. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 06 40 00 - Millwork. In addition, this specifically includes:
 - 25.1. Allowance of Fifteen Thousand Dollars (\$15,000) for the reception desk,
 - 25.2. Core substrate materials as FSC Certified and manufactured with no added urea formaldehyde,
 - 25.3. Plastic Laminate Millwork:
 - 25.3.1. Plastic laminate for cabinet construction as vertical grade laminate. No Horizontal, Standard, or Postform Grade laminate included,
 - 25.3.2. Cabinet Part Cores — Industrial Grade MDF
 - 25.3.3. Cabinet Interior Finish - White Melamine
 - 25.3.4. Drawer Box Materials — ½" MDF Core White Melamine for Drawer Sides/Front/Back, ¼" MDF Core White Melamine for Drawer Bottoms
 - 25.3.5. Edgebanding - 0.020" PVC Matching Cabinet Face @ All Exposed Edges, 0.020" White PVC Edging @ All Edges Concealed Behind Cabinet Doors
 - 25.4. Plastic Laminate Countertop:
 - 25.4.1. Countertop Cores — ¾" Mill Option Veneer Core Plywood (Not Marine Grade)
 - 25.5. Solid Surface Countertop:
 - 25.5.1. Solid surface is quoted in standard ½" thickness
 - 25.6. Hardware Qualifications
 - 25.6.1. Cabinet Hinges — Blum 71T5580, 120 degree, Self-Closing, Full Overlay Hinges or equal,
 - 25.6.2. Drawer Slides - 1001b, full extension slide or equal,
 - 25.6.3. Typical Cabinet Door/Drawer Pulls - Mill Option 4" Brushed/Dull Chrome wire pulls or equal,
 - 25.6.4. Shelf Pins - Mill Option 5mm spoon type shelf support or equal,
 - 25.6.5. Door/Drawer Locks - CompX Timberline C170CB or equal, keyed alike,
 - 25.6.6. Grommets — Hafele 631.26.301 or equal, 60mm, Black Plastic,

06 41 13 – Wood Veneer Faced Architectural Cabinets

26. Specification section 06 41 13 was provided with the design development documents. No wood veneer faced architectural cabinets are indicated on the drawings nor do any locations of clear need stand out, therefore none of these elements have been included in the GMP proposal.

06 44 00 – Ornamental Woodwork

27. Specification section 06 44 00 was provided with the design development documents. No ornamental woodwork is indicated on the drawings nor do any locations of clear need stand out, therefore none of these elements have been included in the GMP proposal.

07 10 00 – Damproofing & Waterproofing

28. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 07 10 00 – Damproofing & Waterproofing. In addition, this specifically includes:
- 28.1. Sealants from manufacturer's standard color line. No custom color sealants.

07 42 00 – Metal Panels

29. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 07 42 00 – Metal Panels.
- 29.1. This specifically includes:
- 29.1.1. Fabral .040" or equal aluminum perforated, corrugated metal wall panel in standard color.
- 29.1.2. Fabral 24 ga. or equal galvanized sheet metal soffit panel in standard metallic color.

07 54 00 – Thermoplastic Membrane Roofing

30. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 07 54 00 – Thermoplastic Membrane Roofing.
- 30.1. This specifically includes:
- 30.1.1. Firestone or equal 60 mil TPO membrane roof system ,
- 30.1.2. (1) layer of 1.8" polyisocyanurate insulation in urethane adhesive,
- 30.1.3. (1) layer of 1.8" polyisocyanurate insulation mechanically attached to metal decking,
- 30.1.4. 24 ga. TPO-coated scupper,
- 30.1.5. Prefinished aluminum leader head, counterflashing & downspout from manufacturer's standard color palette.
- 30.2. This specifically excludes:
- 30.2.1. Wood fiber board, substrate board, polyethylene film, cover board.

07 72 60 – Personal Fall Arrest System

31. Specification section 07 72 60 – Personal Fall Arrest System was provided with the 100% Design Development Documents to supplement the indicated system locations on the drawings. The personal fall arrest systems were removed from the scope of the project under VE items S02.01, & S03.01 and, thus, are hereby excluded from the GMP proposal.

07 81 00 – Fireproofing

32. This GMP assumes cementitious fireproofing is not required for this project, therefore no monies are included for this scope of work.

08 33 00 – Overhead Coiling Doors & Grilles

- 33. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 08 33 000 – Overhead Coiling Doors & Grilles. This specifically includes:
- 34. Overhead Coiling Doors:
 - 34.1. Type 1:
 - 34.1.1. 20 ga. Galvanized Steel Flat Slats,
 - 34.1.2. Polyurethane insulation (R value 7.7),
 - 34.1.3. 31 PSF Wind Loading,
 - 34.1.4. Safety Edge.
 - 34.2. Type 2:
 - 34.2.1. 3" Stainless Steel Flat Slat,
 - 34.2.2. Polyurethane insulation (R value 7.7),
 - 34.2.3. 31 PSF Wind Loading,
 - 34.2.4. Safety Edge.
- 35. Overhead Coiling Counter Doors:
 - 35.1. SS Insulated Rolling Steel Service Door w/ Stainless Steel Flat Slats,
 - 35.2. Polyurethane Insulation (R value 7.7).
 - 35.3. Manual Crank Operation,

08 44 00 – Glass & Glazing Systems

- 36. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 08 44 00 – Glass & Glazing Systems. This specifically includes:
 - 36.1. Punched Openings:
 - 36.1.1. Oldcastle Building Envelope 2 ½" x 6" Reliance pressure bar aluminum framing system with (3) coat Kynar paint finish or equal.
 - 36.1.2. Perforated aluminum panel fins at punched openings with a three (3) coat Kynar paint finish.
 - 36.2. Sliding Windows:
 - 36.2.1. All Seasons Series 3000HSEQBS horizontal sliding windows with tinted Low E insulated glass, aluminum wire mesh-vent screens, 11204 sub-sill, and a three (3) coat Kynar paint finish or equal.
 - 36.3. Entrance & Clerestory:
 - 36.3.1. Old Castle Building Envelope 2" x 4 ½" Serices FG3000 Thermal Multi-plane aluminum framing system with (3) coat Kynar paint finish or equal.
 - 36.3.2. Aluminum Rugged narrow stile doors with 10" bottom rails,
 - 36.3.3. Horton Series 4000 automatic swing door operators with pedestal mount push button activation at exterior, and jamb mounted push button interior.

- 36.4. Translucent Panels:
 - 36.4.1. Major Industries Fiberglass Sandwich Panel assembly with .070 Ice Blue exterior, .045 Fire Rated crystal interior, 12" x 24" grid pattern, and aluminum framing system with a three (3) coat Kynar paint finish.
- 36.5. Ticket Windows:
 - 36.5.1. Quickserv BRTW 2448-S stainless steel ticket windows with Level 3 bullet resistance glazing and stainless steel framing or equal,
 - 36.5.2. Stainless steel base and deal tray,
 - 36.5.3. SC-100L or equal amplified speak thru.
- 36.6. Glass:
 - 36.6.1. Punched Openings & Exterior Entrance Framing / Doors:
 - 36.6.1.1. Guardian Industries SNX 62/27 Low E on UltraWhite low iron over UltraWhite insulated glass or equal.
 - 36.6.2. Interior Vestibule:
 - 36.6.2.1. Interior vestibule framing glazed with clear insulated glass.
 - 36.6.3. Sidelights
 - 36.6.3.1. Interior clear tempered/laminated glazing,

08 71 02 – Doors, Frames & Hardware – Supply

- 37. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 08 71 02 – Doors, Frames & Hardware - Supply. This specifically includes:
 - 37.1. Hollow Metal Frames:
 - 37.1.1. Exterior
 - 37.1.1.1. Curries M series or equal 16 gauge fully welded,
 - 37.1.1.2. Frames w/ 4" heads per detail 4 on page A8-3,
 - 37.1.2. Interior
 - 37.1.2.1. Curries M series or equal 16 gauge cold rolled steel fully welded,
 - 37.1.3. Accessories
 - 37.1.3.1. Specifications call for terminated stops under accessories note 3.
Terminated stops are not indicated on the door/frame schedule, thus none are included in the proposal,
 - 37.2. Hollow Metal Doors:
 - 37.2.1. Curries 707 series or equal 16 gauge exterior doors with polyurethane cores galvanized & seamless (N seam) edges,
 - 37.2.2. Curries 707 series or equal 18 gauge interior doors with polystyrene cores cold rolled steel & seamless (N seam) edges,
 - 37.2.3. Polyurethane cores provided where schedule notes 'exterior insulated.' All other exterior openings provided without polyurethane cores.
 - 37.2.4. Doors & frames provided as exterior assemblies where specified as 'exterior.' All others provided as interior including openings 136A through 141.

- 37.3. Wood Doors:
 - 37.3.1. Wood door species & veneer not provided. Proposal based upon quarter sliced cherry book balance match factory clear finish, FSC.
 - 37.3.2. Wood Bead Window Trim.
 - 37.3.3. Premachined, Prefinished
- 37.4. Door Hardware:
 - 37.4.1. Based upon Hardware Sets in specification section.
 - 37.4.2. Vision lite elevation V calls for the bottom rail of the lite kit to be 5'-0" from bottom of door, however assemblies to be provided with bottom 43" AFF to meet ADA.
- 37.5. No frame material or elevation specified for opening 118b, therefore it is anticipated to be hollow metal frame with elevation 2.

08 71 04 – Doors, Frames & Hardware – Install

- 38. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 08 71 04 – Doors, Frames & Hardware - Install.

08 91 19 – Fixed Louvers

- 39. Specification section 08 91 00 was provided with the design development documents. No fixed louvers are indicated on the drawings nor do any locations of clear need stand out, therefore none of these elements have been included in the GMP proposal.

09 20 00 – Drywall & Acoustic Ceilings

- 40. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 09 20 00 – Drywall & Acoustic Ceilings.
 - 40.1. This specifically includes:
 - 40.1.1. Acoustic Wall Panels
 - 40.1.1.1. Standard Design Tex Fabric or equal with impact resistant corners,
 - 40.1.2. Mineral Fiber Cement Siding
 - 40.1.2.1. Mineral Fiber Cement Siding material has not been specified, therefore an allowance of \$15.25/sf has been included for this product.
 - 40.1.3. Acoustical Panel Ceilings
 - 40.1.3.1. VE A10.03 removed wood ceilings from Vestibule 100 and Prefunction 101. The replacement product has not been identified, therefore an allowance of \$10.00/sf. has been included for this system.
 - 40.2. This specifically excludes:
 - 40.2.1. Water resistant gypsum board to height to 24" in all labs or areas to receive resinous flooring per subparagraph 3.18.

09 21 16.23 – Gypsum Board Shaft Wall Assemblies

41. Specification section 09 21 16.23 was provided with the design development documents. No gypsum board shaft wall assemblies are indicated on the drawings nor do any locations of clear need stand out, therefore none of these elements have been included in the GMP proposal.

09 24 00 – Portland Cement Plastering

42. No Portland cement plaster has been located in the documents, therefore the referenced specification section 09 24 00 – Portland Cement Plaster has been disregarded for this GMP.

09 27 13 – Glass-Reinforced Gypsum Fabrications

43. Specification section 09 27 13 was provided with the design development documents. No glass-reinforced gypsum fabrication assemblies are indicated on the drawings nor do any locations of clear need stand out, therefore none of these elements have been included in the GMP proposal.

09 30 00 – Tile

44. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 09 30 00 - Tile. In addition, this specifically includes:
- 44.1. T1 – material allowance of \$10.00/sf as product information is not identified in the finish schedule.
 - 44.2. T4 & T5 on only wall indicated on finish schedule @ IDF room. Base to be cut from floor tile.
 - 44.3. Restroom wall tile only located at walls indicated in finish schedule. Base to be cut from floor tile.
 - 44.4. Metal edge strips as transitions from tile to other floor surfaces.

09 65 00 – Flooring

45. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 09 65 00 - Flooring. In addition, this specifically includes:
- 45.1. RB-1 & RB-2 as Roppe Pinnacle Rubber Base in standard color,
 - 45.2. Transitions – Roppe – vinyl #169 – ¼" glue down reducer.

09 67 23 – Resinous Flooring

46. Specification section 09 67 23 was provided with the design development documents. No resinous flooring (terrazzo) are indicated on the drawings nor do any locations of clear need stand out, therefore none of these elements have been included in the GMP proposal.

09 72 00 – Wall Covering

47. Specification section 09 72 00 was provided with the design development documents. Interior Materials Package appears to show decorative fabric accent wall at Reception 117. The condition does not yet appear on the construction documents, thus an allowance of \$35.00/sf has been included for this condition.

09 90 00 – Paintings & Coatings

48. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 09 90 00 – Paintings & Coatings.
- 48.1. This specifically includes:
- 48.1.1. 3M Controltac graphic film or equal,
 - 48.1.2. Cosmetic caulking.
- 48.2. This specifically excludes:
- 48.2.1. Color banding for insulated and un-insulated piping as referenced in subparagraph 3.15.
 - 48.2.2. Barrier coat(s) over incompatible primer,
 - 48.2.3. Cleaning of mechanical systems with mineral spirits to make ready for paint.

10 00 00 – Specialties

49. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 10 00 00 - Specialties. This specifically includes:
- 49.1. Toilet Partitions & Urinal Screens:
- 49.1.1. Floor mounted stainless steel toilet partitions
 - 49.1.2. Wall hung stainless steel urinal screens.
- 49.2. Fire Extinguishers & Cabinets
- 49.2.1. Fire extinguishers and cabinets products and locations are not yet clearly defined. This GMP proposal includes an allowance of Ten (10) units at \$315.00/ea. For a total of Three Thousand One Hundred Fifty Dollars (\$3,150).

10 14 00 – Signage

50. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 10 14 00 - Signage. In addition, this specifically includes:
- 50.1. Signage materials similar to specified manufacturer with from local fabricator/installer.
 - 50.2. Pin mounted letters included as painted aluminum units.

10 21 13.17 – Phenolic-Core Toilet Compartments

51. Specification section 10 21 13.17 was provided with the design development documents. No phenolic core toilet compartments are indicated on the drawings, therefore all toilet compartments have been included as stainless steel as noted above.

10 21 16 – Shower & Dressing Compartments

52. Specification section 10 21 16 was provided with the design development documents. It is the Construction Manager's understanding that the shower stalls were removed at the request of the Owner, therefore now shower and/or dressing compartments are included in the GMP proposal.



10 22 13 – Wire Mesh Partitions

53. It is our understanding that intent for the wire mesh partition was for integration with the decorative fencing. The decorative fencing was removed from the project C07.01, therefore no monies have been included for wire mesh partitions.

10 22 39 – Operable Panel Partitions

54. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 10 22 39 – Operable Panel Partitions. This specifically includes:
- 54.1. A Modernfold Encore series or equal single panel system operable partition with a STC rating of 52, Type IV pocket doors, standard vinyl selection and trim as offered by manufacturer and two (2) year warranty.

10 26 00 – Wall and Door Protection

55. Specification section 10 26 00 was provided with the design development documents. No wall and/or door protection elements are indicated on the drawings nor do any locations of clear need stand out, therefore none of these elements have been included in the GMP proposal.

10 73 16 – Canopies

56. This GMP includes pricing of Tuffy windscreen fabric based upon preliminary discussions with the design team.

11 31 00 – Residential Appliances

57. There is no indication of quantity or location of the appliances, therefore no monies have been included for these elements.

11 34 16 - Seating

58. This GMP proposal does not include new bleacher seating or modifications to existing bleacher seating at the existing arena.

11 40 00 – Foodservice Equipment

59. Construction drawings indicate permanent counters and 3-compartment sinks at food prep areas. No additional information is available, therefore this GMP includes an allowance of Eighteen Thousand Fifty Dollars (\$18,050) for the following:

<u>Item</u>	<u>Quantity</u>	<u>Unit Cost</u>
Freestanding Stainless Steel Counters.....	67 LF.....	\$150.00/LF
3 Compartment Sink w/ Drying Area.....	2 EA	\$1,500.00/EA
Existing Freezer/Cooler Relocation.....	1 LS.....	\$5,000/LS

11 92 00 – Agricultural Equipment

60. It is the understanding of the Construction Manager that the Livestock Equipment is to be accounted for outside the project construction GMP as represented in the project budget analysis, therefore all FF&E funds have been pulled from the project construction GMP herein.

12 21 00 – Window Blinds

61. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 12 21 00 – Window Blinds. This specifically includes:
- 61.1. Horizontal Louver Blinds:
 - 61.1.1. 1" aluminum Bali blinds or equal,
 - 61.2. Roller Shades:
 - 61.2.1. Draper, SWF, or equal brand of manual shades 5% open with fascia,
 - 61.2.2. Draper, SWF, or equal brand of manual double shades 5% open with blackout & side channel.

12 48 16 – Entrance Floor Grille

62. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 12 48 16 – Entrance Floor Grille. This specifically includes:
- 62.1. Kadee KDAL Aluminum Grating system or equal, with clear anodized finish.

13 34 19 – Pre-Engineered Metal Buildings

63. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 13 34 19 – Pre-Engineered Metal Buildings. In addition, this specifically includes:
- 63.1. 24 gauge 24" wide trapezoidal standing seam roof with standard Kynar finish.
 - 63.2. 26 gauge 36" wide standard manufacturer/fabricator exterior panels in standard color.
 - 63.3. Partition liner panels in standard colors,

21 00 00 – Fire Suppression

64. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 21 00 00 – Fire Suppression.
- 64.1. This specifically INCLUDES:
 - 64.1.1. This GMP includes sprinkler design based upon NFPA 13, 2010 edition Light Hazard for office, meeting, assembly, and expo/arena areas.
 - 64.1.2. This GMP anticipates availability of sufficient water pressure for sprinkler system, thus no monies have been included for fire pumps, jockey pumps or accessories.
 - 64.1.3. Sprinkler heads in all ceilings shall be chrome quick response, semi-recessed type, with chrome cover plates.
 - 64.1.4. Heads in exposed ceiling areas shall be quick response brass upright heads installed on exposed piping.

- 64.1.5. Material and pipe hangers to be in accordance with NFPA 13.
- 64.1.6. Grooved fittings to be Victaulic "Firelock" or equal and threaded fittings to be cast/ductile iron class 125.
- 64.1.7. Conduct final hydrostatic and visual tests per NFPA-13, State and local requirements.
- 64.2. This specifically EXCLUDES:
 - 64.2.1. Additional drains not required by NFPA 13.
 - 64.2.2. Additional requirements beyond project specifications and/or AJH requirements such as FM Global design requirements, insurance carrier standards, etc.
 - 64.2.3. Custom Colors for sprinkler heads and trim.
 - 64.2.4. Corrosion monitoring, identification of or prevention.
 - 64.2.5. Protection of eaves and overhangs constructed of noncombustible material per NFPA 13.
 - 64.2.6. Hose valve cabinets,

22 00 00 – Plumbing

- 65. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 22 00 00 – Plumbing.
 - 65.1. This specifically EXCLUDES:
 - 65.1.1. Domestic Cold Water System
 - 65.1.1.1. Booster pumps, meters, pressure reducing valves
 - 65.1.2. Sanitary Drainage System:
 - 65.1.2.1. Oil/water separator, backwater valves,
 - 65.1.2.2. Hub drain adjacent to water softeners,
 - 65.1.3. Rainwater Harvesting System,
 - 65.1.4. Domestic Water Softener System,
 - 65.1.5. Heat tracing plumbing lines,
 - 65.1.6. Variable Frequency Drives (VFDs),
 - 65.1.7. Pressure testing with digital gauge that measures to tenth of a pound (0.1 PSI),
 - 65.1.8. Utility trench retard system,

23 00 00 – Mechanical

- 66. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 23 00 00 – Mechanical.
 - 66.1. This specifically EXCLUDES:
 - 66.1.1. Kitchen Hood Fire suppression and associated shut gas shut off valves,
 - 66.1.2. Carbon dioxide sensors within Building Automation System,

26 00 00 – Electrical

67. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 26 00 00 – Electrical.

67.1. This specifically EXCLUDES:

- 67.1.1. Grounding of cable tray systems,
- 67.1.2. Lightning Protection System,

27 10 00 – Structured Cabling

68. Structure cabling pathways will be installed under this GMP proposal; however the cable installation, termination and testing will be by Owner.

27 41 00 – Audio & Video Systems

69. This GMP proposal includes an allowance in the amount of Fourteen Thousand Dollars (\$14,000) for audio-visual systems. This is primarily focused on the procurement, installation and connection of the flat-screen television monitors & projection equipment as follows:

Item	Quantity	Unit Cost
Flatscreen Televisions	16 EA	\$750.00/EA
Projectors & Screens	2 EA	\$1,000.00/EA
Existing Freezer/Cooler Relocation	1 LS	\$5,000/LS

70. This GMP proposal includes an allowance in the amount of One Hundred Seventy Five Thousand Two Hundred Forty Dollars (\$175,240) for public address systems. While design of this system was not anticipated in this allowance, re-allocation of funds for this purpose can be accommodated to meet the needs of the facility.

28 00 00 – Electronic Safety & Security

71. Electronic security system pathways will be installed to accessible ceilings under this GMP, however the installation of the security systems is not included.

31 00 00 – Earthwork

72. This GMP proposal includes an allowance in the amount of One Million Two Hundred Four Thousand Three Hundred Ninety Seven Dollars (\$1,204,397) for the project earthwork. This is based upon a combination of the Construction Manager's and Civil Engineer's best estimate of the scope of the project. This number will be adjusted accordingly upon receipt of final construction documents.

72.1. This allowance includes anticipated cost for the following sections:

- 02-41-13.....Selective Site Demolition
- 31-14-13.....Soil Stripping And Stockpiling
- 31-22-13.....Rough Grading
- 31-22-16.....Fine Grading
- 31-23-16.....Excavation

- 31-32-13.....Soil Mixing Stabilization
- 32-11-23.....Base Courses
- 32-12-16.....Asphalt Paving
- 32-15-40.....Crushed Stone Surfacing
- 32-18-00.....Athletic and Recreational Surfacing
- 33-47-26.....Storm Drainage Ponds and Reservoirs

31 63 29 – Drilled Piers

- 73. This GMP proposal includes Twelve Thousand Dollars for the anticipated drilled piers under the entry canopy footings.

32 13 00 – Site Concrete

- 74. This GMP includes the scope of work represented in Construction Manager's Handbook Proposal Package 32 13 00 – Site Concrete.
- 75. This GMP includes Site Concrete materials as shown on the architectural site plan.

32 17 00 – Paving Specialties

- 76. This GMP proposal includes an allowance of Five Hundred Ninety Three Dollars (\$593) for the anticipated requirement to stripe the fire lane around the facility (2,372 LF).
- 77. It is the understanding of the Construction Manager that the existing parking lot has recently been chip sealed and striped, therefore no additional monies have been included in this GMP proposal for improvements to the existing parking lot paving.

32 31 00 – Fences & Gates

- 78. This GMP proposal includes the scope of work represented in Construction Manager's Handbook Proposal Package 32 31 00 – Fences & Gates.
 - 78.1. This specifically INCLUDES:
 - 78.1.1. 8' tall galvanized fencing with 9 gauge chain link fabric,
 - 78.1.2. 2 7/8" sch. 40 terminal posts,
 - 78.1.3. 2 7/8 & 4" sch. 40 gate posts,
 - 78.1.4. 1 7/8" sch. 40 line posts,
 - 78.1.5. 1 5/8" sch. 40 top rail,
 - 78.2. This specifically EXCLUDES:
 - 78.2.1. Panic Hardware on gate assemblies,
 - 78.3. Decorative metal fencing removed and replaced with chain link fencing & gates at facility entrances in accordance with VE C07.01.

32 90 00 – Landscape & Irrigation

- 79. This GMP proposal includes a landscape allowance in the amount of Eighty Five Thousand Seven Hundred Eighty Five Dollars (\$85,785) as agreed during the June 22, 2015 Budget Analysis Meeting.

33 00 00 – Utilities

80. This GMP proposal includes an allowance in the amount of One Hundred Forty One Thousand Thirty Six Dollars (\$141,036) for the project related utilities. This is based upon a combination of the Construction Manager's and Civil Engineer's best estimate of the scope of the project. This number will be adjusted accordingly upon receipt of final construction documents.

This allowance includes anticipated cost for the following sections:

- 33-01-00 Existing Utilities
- 33-11-16 Site Water Utility Distribution Piping
- 33-31-13 Sanitary Utility Sewerage Piping

TAB 8

LIST OF DOCUMENTS





Williamson County
Expo Building
Taylor, Texas

List of Documents
100% DESIGN DEVELOPMENT

SPECIFICATIONS

SPEC No.	SECTION TITLE	ISSUE DATE	REVISION DATE
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NARRATIVES

.....	STRUCTURAL NARRATIVE.....	5/15/2015	
.....	MECHANICAL/PLUMBING NARRATIVE.....	5/15/2015	
.....	ELECTRICAL NARRATIVE.....	5/15/2015	

DIVISION 02 - EXISTING CONDITIONS

02 41 16	.....	STRUCTURE DEMOLITION.....	5/15/2015....	5/27/2015
02 41 19		SELECTIVE DEMOLITION.....	5/15/2015....	5/27/2015

DIVISION 03 - CONCRETE

03 05 00		FLY ASH.....	5/15/2015....	5/27/2015
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DIVISION 04 - MASONRY

04 05 26		CMU INTEGRAL WATER REPELLENT.....	5/15/2015....	5/27/2015
04 20 00	.....	UNIT MASONRY.....	5/15/2015....	5/27/2015

DIVISION 05 - METALS

05 40 00	.....	COLD-FORMED METAL FRAMING.....	5/15/2015....	5/27/2015
05 50 00	.....	METAL FABRICATIONS.....	5/15/2015....	5/27/2015
05 52 13	.....	PIPE AND TUBE RAILINGS.....	5/15/2015....	5/27/2015
05 53 13	.....	METAL BAR GRATINGS.....	5/15/2015....	5/27/2015
05 58 19	.....	HEATING – COOLING UNIT COVERS.....	12/18/2013....	5/27/2015
05 70 00	.....	DECORATIVE METAL.....	5/15/2015....	5/27/2015
05 73 00	.....	DECORATIVE METAL RAILINGS.....	5/15/2015....	5/27/2015

DIVISION 06 - WOOD, PLASTICS AND COMPOSITES

06 10 53	.....	MISCELLANEOUS ROUGH CARPENTRY.....	5/15/2015....	5/27/2015
06 20 23	.....	INTERIOR FINISH CARPENTRY.....	5/15/2015....	5/27/2015
06 41 13	.....	WOOD VENEER FACED ARCHITECTURAL CABINETS.....	5/15/2015....	5/27/2015
06 41 16	.....	PLASTIC LAMINATE FACED ARCHITECTURAL CABINETS.....	5/15/2015....	5/27/2015
06 44 00	.....	ORNAMENTAL WOODWORK.....	12/18/2013....	5/27/2015
06 46 00	.....	WOOD TRIM.....	5/15/2015....	5/27/2015



DIVISION 07 - THERMAL AND MOISTURE PROTECTION

07 11 13	 BITUMINOUS DAMPPROOFING	5/15/2015	5/27/2015
07 13 26	 SELF-ADHERING SHEET WATERPROOFING	5/15/2015	5/27/2015
07 19 00	 WATER REPELLENTS	5/15/2015	5/27/2015
07 21 00	 THERMAL INSULATION	5/15/2015	5/27/2015
07 27 26	 FLUID APPLIED MEMBRANE AIR BARRIERS	5/15/2015	5/27/2015
07 42 13	 METAL WALL PANELS	5/15/2015	5/27/2015
07 42 13.53	 METAL SOFFIT PANELS	5/15/2015	5/27/2015
07 46 46	 FIBER-CEMENT SIDING	5/15/2015	5/27/2015
07 54 23	 THERMOPLASTIC POLYOLEFIN (TPO) ROOFING	5/15/2015	5/27/2015
07 62 00	 SHEET METAL FLASHING AND TRIM	5/15/2015	5/27/2015
07 72 00	 ROOF ACCESSORIES	5/15/2015	5/27/2015
07 72 60	 PERSONAL FALL ARREST SYSTEM	5/15/2015	5/27/2015
07 81 00	 APPLIED FIREPROOFING	5/15/2015	5/27/2015
07 84 13	 PENETRATION FIRESTOPPING	5/15/2015	5/27/2015
07 92 00	 JOINT SEALANTS	5/15/2015	5/27/2015
07 92 19	 ACOUSTICAL JOINT SEALANTS	5/15/2015	5/27/2015

DIVISION 08 – DOORS AND WINDOWS

08 11 13	 HOLLOW METAL DOORS AND FRAMES	5/15/2015	5/27/2015
08 14 16	 FLUSH WOOD DOORS	5/15/2015	5/27/2015
08 33 13	 COILING COUNTER DOORS	5/15/2015	5/27/2015
08 33 23	 OVERHEAD COILING DOORS	5/15/2015	5/27/2015
08 41 13	 ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS	5/15/2015	5/27/2015
08 45 23	 FIBERGLASS SANDWICH PANEL	5/15/2015	5/27/2015
08 56 53	 SECURITY WINDOWS	5/15/2015	5/27/2015
08 71 00	 DOOR HARDWARE	5/15/2015	
08 80 00	 GLAZING	5/15/2015	5/27/2015
08 83 00	 MIRRORS	5/15/2015	5/27/2015
08 88 53	 SECURITY GLAZING	5/15/2015	5/27/2015
08 91 19	 FIXED LOUVERS	5/15/2015	5/27/2015

DIVISION 09 - FINISHES

09 00 00	 FINISH LEGEND	4/17/2015	5/27/2015
	 FURNITURE, FIXTURE & EQUIPMENT LIST		<i>For Information Only</i>
09 21 16.23	 GYPSUM BOARD SHAFT WALL ASSEMBLIES	5/15/2015	5/27/2015
09 22 16	 NON-STRUCTURAL METAL FRAMING	5/15/2015	5/27/2015
09 27 13	 GLASS-REINFORCED GYPSUM FABRICATIONS	5/15/2015	5/27/2015
09 29 00	 GYPSUM BOARD	5/15/2015	5/27/2015
09 30 13	 CERAMIC TILING	5/15/2015	5/27/2015
09 51 13	 ACOUSTICAL PANEL CEILINGS	5/15/2015	5/27/2015
09 61 13	 FLOOR SEALERS	5/15/2015	5/27/2015
09 65 13	 RESILIENT BASE AND ACCESSORIES	5/15/2015	5/27/2015
09 65 19	 RESILIENT TILE FLOORING	5/15/2015	5/27/2015
09 67 23	 RESINOUS FLOORING	5/15/2015	5/27/2015
09 68 13	 TILE CARPETING	5/15/2015	5/27/2015
09 68 16	 SHEET CARPETING	5/15/2015	5/27/2015
09 72 00	 WALL COVERINGS	5/15/2015	5/27/2015
09 84 00	 ACOUSTICAL WALL PANELS	5/15/2015	5/27/2015



09 91 13	EXTERIOR PAINTING	5/15/2015....	5/27/2015
09 91 23	INTERIOR PAINTING.....	5/15/2015....	5/27/2015
09 96 00	HIGH-PERFORMANCE COATINGS.....	12/18/2013....	5/27/2015

DIVISION 10 - SPECIALTIES

10 21 13.15	STAINLESS-STEEL TOILET COMPARTMENTS	5/15/2015....	5/27/2015
10 21 13.17	PHENOLIC-CORE TOILET COMPARTMENTS	5/15/2015....	5/27/2015
10 21 16	SHOWER AND DRESSING COMPARTMENTS	5/15/2015....	5/27/2015
10 22 13	WIRE MESH PARTITIONS	5/15/2015....	5/27/2015
10 26 00	WALL AND DOOR PROTECTION.....	5/15/2015....	5/27/2015
10 28 00	TOILET, BATH AND LAUNDRY ACCESSORIES	5/15/2015....	5/27/2015
10 44 13	FIRE PROTECTION CABINETS	5/15/2015....	5/27/2015
10 44 16	FIRE EXTINGUISHERS	5/15/2015....	5/27/2015

DIVISION 11 - EQUIPMENT

11 31 00	RESIDENTIAL APPLIANCES	5/15/2015....	5/27/2015
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DIVISION 12 - FURNISHINGS

12 24 13	ROLLER WINDOW SHADES	5/15/2015....	5/27/2015
12 36 61	SIMULATED STONE COUNTERTOPS	5/15/2015....	5/27/2015
12 48 16	ENTRANCE FLOOR GRILLES	5/15/2015....	5/27/2015

DIVISION 13 - SPECIAL CONSTRUCTION

13 34 19	PRE-ENGINEEED METAL BUILDINGS	5/15/2015....	6/10/2015
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DIVISION 32 - EXTERIOR IMPROVEMENTS

32 16 13	CONCRETE CURBS, GUTTERS, SIDEWALKS & DRIVEWAYS	5/15/2015....	5/27/2015
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DRAWINGS

SHEET	TITLE	ISSUE DATE	REVISION DATE
GENERAL			
X0-0	COVER SHEET	5/15/2015	5/27/2015
X0-1	DRAWING INDEX	5/15/2015	5/27/2015
CIVIL			
	PRELIMINARY UTILITIES PLAN	6/30/2015	
	PRELIMINARY DRAINAGE LAYOUT	6/30/2015	
	PRELIMINARY SITE PLAN	6/30/2015	
	PRELIMINARY OVERALL ROUGH GRADING PLAN	6/30/2015	
ARCHITECTURAL			
A0-00	CODE SUMMARY	5/15/2015	5/27/2015
A0-01	GRAPHIC SYMBOLS/PARTITION TYPES/ABBREVIATIONS	5/15/2015	6/10/2015
A0-02	TYPICAL TOILET LAYOUTS & ACCESSORIES	5/15/2015	5/27/2015
A0-03	DEMO PLAN	5/15/2015	5/27/2015
A1-1	MASTER PLAN	5/15/2015	REMOVED
A1-1	SITE PLAN	5/27/2015	
A1-2	ARCHITECTURAL SITE PLAN	5/15/2015	5/27/2015
A1-3	REFERENCE FLOOR PLAN	5/15/2015	5/27/2015
A1-4	ROOF PLAN	5/15/2015	5/27/2015
A1-5	ENLARGED ROOF PLAN	5/15/2015	5/27/2015
A2-1A	SOUTHEAST AREA PLAN	5/15/2015	6/10/2015
A2-1B	SOUTHWEST AREA PLAN	5/15/2015	5/27/2015
A3-1	ENLARGED PLANS	5/15/2015	6/10/2015
A4-1	REFLECTED CEILING PLANS	5/15/2015	5/27/2015
A4-1A	ENLARGED REFLECTED CEILING PLANS	5/15/2015	5/27/2015
A5-1	ELEVATIONS	5/15/2015	5/27/2015
A5-2	ENLARGED ELEVATIONS	5/15/2015	5/27/2015
A5-3	ENLARGED ELEVATIONS	5/15/2015	5/27/2015
A5-4	ENLARGED ELEVATIONS	5/15/2015	5/27/2015
A6-1	INTERIOR ELEVATIONS	5/15/2015	5/27/2015
A6-2	INTERIOR ELEVATIONS	5/15/2015	5/27/2015
A6-3	INTERIOR ELEVATIONS	5/15/2015	5/27/2015
A7-1	BUILDING SECTIONS	5/15/2015	5/27/2015
A7-2	WALL SECTIONS	5/15/2015	5/27/2015
A7-3	WALL SECTIONS	5/15/2015	5/27/2015
A7-4	WALL SECTIONS	5/15/2015	5/27/2015
A7-5	WALL SECTIONS	5/15/2015	5/27/2015
A8-1	TYPICAL DETAILS	5/15/2015	5/27/2015
A8-2	OPENINGS SCHEDULE	5/15/2015	6/10/2015



A8-3.....	OPENINGS SCHEDULE	5/15/2015....	5/27/2015
A8-4.....	GATE DETAILS	5/27/2015	
A8-5.....	EXTERIOR DETAILS	5/27/2015	
A8-6.....	TRELLIS DETAILS	5/27/2015	
A9-1.....	FINISH SCHEDULE	5/15/2015....	6/10/2015

STRUCTURAL

S000.....	STRUCTURAL NOTES	5/15/2015....	5/27/2015
S100.....	OVERALL FOUNDATION PLAN	5/15/2015....	5/27/2015
S101.....	EXISTING ARENA FOUNDATION PLAN	5/15/2015....	5/27/2015
S102.....	PARTIAL FOUNDATION PLAN	5/15/2015....	5/27/2015
S103.....	PARTIAL FOUNDATION PLAN	5/15/2015....	5/27/2015
S104.....	PARTIAL FOUNDATION PLAN	5/15/2015....	5/27/2015
S105.....	PARTIAL FOUNDATION PLAN	5/15/2015....	5/27/2015
S200.....	OVERALL ROOF FRAMING PLAN.....	5/15/2015....	5/27/2015
S201.....	PARTIAL ROOF FRAMING PLAN	5/15/2015....	5/27/2015
S202.....	PARTIAL ROOF FRAMING PLAN	5/15/2015....	5/27/2015
S203.....	PARTIAL ROOF FRAMING PLAN	5/15/2015....	5/27/2015
S204.....	PARTIAL ROOF FRAMING PLAN	5/15/2015....	5/27/2015
S300.....	FOUNDATION DETAILS	5/15/2015....	5/27/2015
S400.....	FRAMING DETAILS	5/15/2015....	5/27/2015
S401.....	FRAMING DETAILS	5/15/2015....	5/27/2015
S402.....	FRAMING DETAILS	5/27/2015	

MECHANICAL

M1-1.....	SCHEDULES, NOTES & LEGENDS – MECHANICAL	5/15/2015....	5/27/2015
M1-2.....	SCHEDULES – MECHANICAL	5/15/2015....	5/27/2015
M2-1A.....	FLOOR PLAN – AREA A – MECHANICAL	5/15/2015.....	6/9/2015
M2-1B.....	FLOOR PLAN – AREA B – MECHANICAL	5/15/2015....	5/27/2015
M2-1E.....	FLOOR PLAN – AREA E		
M2-1F.....	FLOOR PLAN – AREA F & G – MECHANICAL	5/15/2015....	5/27/2015

PLUMBING

P1-1.....	SCHEDULES, NOTES & LEGENDS – PLUMBING.....	5/15/2015....	5/27/2015
P2-1A.....	FLOOR PLAN – AREA A – PLUMBING	5/15/2015.....	6/9/2015
P2-1B.....	FLOOR PLAN – AREA B – PLUMBING	5/15/2015.....	6/9/2015
P2-1E.....	FLOOR PLAN – AREA E – PLUMBING	6/9/2015	
P2-1F.....	FLOOR PLAN – AREA E & F – PLUMBING	5/15/2015....	REMOVED
P2-1F.....	FLOOR PLAN – AREA F & G – PLUMBING.....	6/9/2015	

ELECTRICAL

E1-0	SITE PLAN – ELECTRICAL	6/9/2015
E1-1	SCHEDULES, NOTES & LEGENDS – ELECTRICAL	5/27/2015..... 6/9/2015
E1-2	SCHEDULES – ELECTRICAL	5/15/2015..... 6/9/2015
E2-1A	FLOOR PLAN – AREA A – LIGHTING.....	5/15/2015..... 6/9/2015
E2-1B	FLOOR PLAN – AREA B – LIGHTING.....	5/15/2015..... 6/9/2015
E2-1C	FLOOR PLAN – AREA C – LIGHTING	5/15/2015.... 5/27/2015
E2-1D	FLOOR PLAN – AREA D – LIGHTING	5/15/2015.... 5/27/2015
E2-1E	FLOOR PLAN – AREA E – LIGHTING.....	5/15/2015..... 6/9/2015
E2-1F	FLOOR PLAN – AREA F & G – LIGHTING.....	5/15/2015.... 5/27/2015
E3-1A	FLOOR PLAN – AREA A – POWER	5/15/2015..... 6/9/2015
E3-1B	FLOOR PLAN – AREA B – POWER	5/15/2015..... 6/9/2015
E3-1C	FLOOR PLAN – AREA C – POWER.....	5/15/2015..... 6/9/2015
E3-1D	FLOOR PLAN – AREA D – POWER.....	5/15/2015..... 6/9/2015
E3-1E	FLOOR PLAN – AREA E – POWER.....	6/9/2015
E3-1F	FLOOR PLAN AREA F & G – POWER.....	5/15/2015.... 5/27/2015

TAB 9

PROPOSAL VALUE BREAK DOWN



*Williamson County Expo Center
Guaranteed Maximum Price (GMP) Proposal
July 16, 2015*

Architect

Populous, Inc.

Value By

Proposal Package

Summary By Proposal Package

<u>Description</u>	Total
00 00 01 - Gen Requi	119,889
00 00 02 - FF&E	
01 51 13 - Temp Powe	22,800
01 56 26 - Temp Fenc	15,338
01 57 23 - SWPPP	14,956
01 71 23 - Survey &	13,994
01 74 16 - Maintenanc	46,284
01 74 23 - Waste Man	20,800
01 7423 - Final Clea	13,257
02 41 00 - Demolitio	25,909
03 00 00 - Concrete	371,099
04 0000 - Masonry	431,034
05 10 00 - Steel Fab	494,398
06 40 00 - Millwork	76,980
07 10 00 - Damproofi	46,044
07 42 00 - Metal Pan	191,009
07 54 00 - Thermopla	98,234
08 33 00 - OH Coilin	74,500
08 44 00 - Glass & G	160,091
08 71 02 - Door Hrdw	129,926
09 20 00 - Drywall &	379,535
09 30 00 - Tile	70,090
09 65 00 - Flooring	19,089
09 90 00 - Painting	180,700
10 00 00 - Specialti	67,593
10 14 00 - Signage	43,901
10 22 39 - Operable	95,202
10 73 16 - Canopies	15,810
11 34 16 - Seating	
11 40 00 - Foodservi	43,210
11 92 00 - Agricultu	
12 21 00 - Window Bl	3,560
12 48 16 - Floor Gri	14,994
13 34 19 Pre-Enginee	974,984
21 00 00 - Fire Supp	106,493
22 00 00 - Plumbing	393,970
23 00 00 - Mechanica	482,039
26 00 00 - Electrica	1,789,331
27 1000 - Communicat	
27 41 00 - Audio & V	189,240
31 00 00 - Earthwork	1,204,397
32 13 00 - Ste. Conc	243,859
32 17 00 - Pvng Spec	593
32 31 00 - Fencing &	46,530
32 90 00 - Landscape	85,785
33 00 00 - Utilities	141,036

				Total	
Item	Description	Takeoff Qty		Unit Cost	Amount
00 00 01 - Gen Requi					
01-00-02	Subcontractor Bonds				
9007.1	Expo Building - Subcontractor Bonds	1.00	LS	73,946.00 /LS	73,946
9007.1	Existing Arena - Subcontractor Bonds	1.00	LS	12,934.00 /LS	12,934
9007.1	East Concessions - Subcontractor Bonds	1.00	LS	6,308.00 /LS	6,308
9007.1	West Concessions - Subcontractor Bonds	1.00	LS	8,716.00 /LS	8,716
9007.1	Covered Penning - Subcontractor Bonds	1.00	LS	8,360.00 /LS	8,360
9007.1	Sitework - Subcontractor Bonds	1.00	LS	23,456.00 /LS	23,456
9007.1	VE A01.00 - Covered Penning - Subcontractor Bonds	-1.00	LS	8,360.00 /LS	(8,360)
9007.1	VE A03.00 - East Concessions - Subcontractor Bonds	-1.00	LS	6,308.00 /LS	(6,308)
Subcontractor Bonds					119,052
01-57-16	Temporary Pest Control				
0010	Expo Building - Pre-Occupancy Extermination	49,485.00	SF	0.01 /SF	495
0010	Existing Arena - Pre-Occupancy Extermination	61,587.00	SF	0.01 /SF	308
0010	East Concessions - Pre-Occupancy Extermination	2,097.00	SF	0.01 /SF	21
0010	West Concessions - Pre-Occupancy Extermination	3,396.00	SF	0.01 /SF	34
0010	Covered Penning - Pre-Occupancy Extermination	17,458.00	SF	0.02 /SF	279
0010	VE A01.00 - Covered Penning - Pre-Occupancy Extermination	-17,458.00	SF	0.02 /SF	(279)
0010	VE A03.00 - East Concessions - Pre-Occupancy Extermination	-2,097.00	SF	0.01 /SF	(21)
Temporary Pest Control					837
00 00 01 - Gen Requi					119,889
00 00 02 - FF&E					
12-00-01	Furniture, Fixtures & Equipment				
4010	Furniture, Fixtures & Equipment (ref. FF&E)	0.00	LS		
4010	Furniture, Fixtures & Equipment (ref. FF&E)	0.00	LS		
4010	Soda System (by vendor)	0.00	LS		
4010	Soda System (by vendor)	0.00	LS		
4010	Soda System (by vendor)	0.00	LS		
4010	Tractor Allowance (ref. FF&E)	0.00	LS		
4010	Scissor Lift Allowance (ref. FF&E)	0.00	LS		
4010	Soda System (by vendor)	0.00	LS		
27-42-13	Point of Sale Systems				
4010	East Concessions Point of Sale Systems Allowance (ref. FF&E)	0.00	0		
4010	West Concessions Point of Sale Systems Allowance (ref. FF&E)	0.00	EA		
4010	East Concessions Point of Sale Systems Allowance (ref. FF&E)	0.00	0		

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
00 00 02 - FF&E				0	
01 51 13 - Temp Powe					
01-51-13	Temporary Electricity				
3005.4	Permanent Building Power	3.00 MO	6,000.00 /MO	18,000	
3005.4	Construction Power	6.00 MO	800.00 /MO	4,800	
	Temporary Electricity			22,800	
01 51 13 - Temp Powe				22,800	
01 56 26 - Temp Fenc					
01-56-26	Temporary Fencing				
0020	Temporary Fencing (in ground)	8,336.00 LF	1.84 /LF	15,338	
	Temporary Fencing			15,338	
01 56 26 - Temp Fenc				15,338	
01 57 23 - SWPPP					
01-57-13	Temporary Erosion And Sediment Control				
0030	Tree Protection Fencing	247.00 LF	6.50 /LF	1,606	
0030	Construction Entrance	2.00 EA	2,800.00 /EA	5,600	
0030	Silt Fencing	3,100.00 LF	2.50 /LF	7,750	
	Temporary Erosion And Sediment Control			14,956	
01 57 23 - SWPPP				14,956	
01 71 23 - Survey &					
01-71-23	Field Engineering				
0010	Expo Building - Survey & Layout	49,485.00 SF	0.15 /SF	7,423	
0010	Existing Arena - Survey & Layout	61,587.00 SF	0.02 /SF	1,232	
0010	East Concessions - Survey & Layout	2,097.00 SF	0.10 /SF	210	
0010	West Concessions - Survey & Layout	3,396.00 SF	0.10 /SF	340	
0010	Covered Penning - Survey & Layout	17,458.00 SF	0.16 /SF	2,791	
0010	Sitework - Survey & Layout	1.00 LS	5,000.00 /LS	5,000	
0010	VE A01.00 - Covered Penning - Survey & Layout	-17,458.00 SF	0.16 /SF	(2,791)	
0010	VE A03.00 - East Concessions - Survey & Layout	-2,097.00 SF	0.10 /SF	(210)	
	Field Engineering			13,994	
01 71 23 - Survey &				13,994	
01 74 16 - Maintenanc					

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
01-74-13	Cleaning and Waste Management				
4010	Jobsite Forklift	6.00 MO	4,250.00 /MO	25,500	
4010	General Clean-up Crew	6.00 MO	3,464.00 /MO	20,784	
	Cleaning and Waste Management			46,284	
	1,039.20 Labor hours				
	01 74 16 - Maintenanc			46,284	
	1,039.20 Labor hours				
	01 74 23 - Waste Man				
01-74-19	Construction Waste Management And Disposal				
3022.1	Expo Building - Dumpster Service	49,485.00 SF	0.25 /SF	12,371	
3022.1	Existing Arena - Dumpster Service	61,587.00 SF	0.05 /SF	3,079	
3022.1	East Concessions - Dumpster Service	2,097.00 SF	0.25 /SF	524	
3022.1	West Concessions - Dumpster Service	3,396.00 SF	0.25 /SF	849	
3022.1	Covered Penning - Dumpster Service	17,458.00 SF	0.16 /SF	2,791	
3022.1	Sitework - Dumpster Service	1.00 LS	4,500.00 /LS	4,500	
3022.1	VE A01.00 - Covered Penning - Dumpster Service	-17,458.00 SF	0.16 /SF	(2,791)	
3022.1	VE A03.00 - East Concessions - Dumpster Service	-2,097.00 SF	0.25 /SF	(524)	
	Construction Waste Management And Disposal			20,800	
	01 74 23 - Waste Man			20,800	
	01 7423 - Final Clea				
01-74-23	Final Cleaning				
3092.2	Existing Arena Final Cleaning	62,379.00 SF	0.06 /SF	3,743	
3092.2	Existing Arena Support Final Cleaning	3,517.00 SF	0.18 /SF	633	
3092.2	Covered Expo Final Cleaning	24,019.00 SF	0.18 /SF	4,323	
3092.2	Enclosed Expo Final Cleaning	23,742.00 SF	0.18 /SF	4,274	
3092.2	East Ticket Office Final Cleaning	506.00 SF	0.18 /SF	91	
3092.2	East Concessions/Restroom Final Cleaning	2,356.00 SF	0.18 /SF	424	
3092.2	West Concessions/Restroom Final Cleaning	3,428.00 SF	0.18 /SF	617	
3092.2	VE A03.00 - East Concessions/Restroom Final Cleaning	-2,356.00 SF	0.18 /SF	(424)	
3092.2	VE A04.02 - Covered Expo Storage Final Cleaning	-2,356.00 SF	0.18 /SF	(424)	
	Final Cleaning			13,257	
	01 7423 - Final Clea			13,257	
	02 41 00 - Demolitio				
02-41-13	Selective Site Demolition				
4000	Existing Restrooms & Concessions Demolition	2.00 EA	3,650.00 /EA	7,300	
4000	Existing Masonry Wrap @ Exist Arena Column A-4	763.00 SF	7.00 /SF	5,341	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
02-41-13	Selective Site Demolition				
4000	Existing Arena Column A-4 Footing Removal	1.00 EA	7,500.00 /EA	7,500	
4000	Existing Chain Link Fencing	1,676.00 EA	0.50 /EA	838	
4000	Existing Stage Structure	2,817.00 SF	1.75 /SF	4,930	
4000	Grade Beams for Windscreen Structures	22.00 EA	1,950.00 /EA	42,900	
4000	VE A06.02 - Grade Beams for Windscreen Structures	-22.00 EA	1,950.00 /EA	(42,900)	
	Selective Site Demolition			25,909	
	02 41 00 - Demolitio			25,909	
03 00 00 - Concrete					
03-31-00	Structural Concrete				
2020	Monument Sign Footings	17.00 CY	459.50 /CY	7,811	
2020	Monument Sign Slab-on-Grade (4")	786.00 SF	5.421 /SF	4,261	
2020	Enclosed Expo Footings & Grade Beams	181.00 CY	459.50 /CY	83,170	
2020	Enclosed Expo 4" Slab-on-Grade	9,242.00 SF	5.421 /SF	50,102	
2020	Enclosed Expo 6" Slab-on-Grade	15,871.00 SF	6.513 /SF	103,363	
2020	Entry Canopy Column Footings	4.00 CY	600.00 /CY	2,400	
2020	Covered Expo Footings & Grade Beams	74.00 CY	459.50 /CY	34,003	
2020	Covered Expo 6" Slab-on-Grade	22,580.00 SF	6.513 /SF	147,056	
2020	East Ticket Building Footings & Grade Beams	10.00 CY	459.50 /CY	4,595	
2020	East Ticket Building 4" Slab-on-Grade	506.00 SF	5.421 /SF	2,743	
2020	East Concessions Building Footings & Grade Beams	21.00 CY	459.50 /CY	9,650	
2020	East Concessions Building 4" Slab-on-Grade	902.00 SF	5.421 /SF	4,890	
2020	East Concessions Building 6" Slab-on-Grade	1,454.00 SF	6.513 /SF	9,469	
2020	West Concessions Building Footings & Grade Beams	58.00 CY	459.50 /CY	26,651	
2020	West Concessions Building 4" Slab-on-Grade	3,428.00 SF	5.421 /SF	18,584	
2020	Covered Penning Spread Footings	84.00 CY	459.50 /CY	38,598	
2020	Manure Management Footings & Grade Beams	11.00 CY	459.50 /CY	5,055	
2020	Manure Management Slab-on-Grade	934.00 SF	6.75 /SF	6,305	
2020	Manure Management 10" CIP Walls	19.00 CY	600.00 /CY	11,400	
2020	Relocated Entry Gate Footing	1.00 LS	5,500.00 /LS	5,500	
2020	Arena Windscreen Footings	44.00 LS	459.50 /LS	20,218	
2020	Covered Expo Storage Footings & Grade Beams	21.00 CY	459.50 /CY	9,649	
2020	Covered Expo Storage 4" Slab-on-Grade	902.00 SF	5.421 /SF	4,890	
2020	Covered Expo Storage 6" Slab-on-Grade	1,454.00 SF	6.513 /SF	9,469	
2020	VE A01.00 - Covered Penning Spread Footings	-84.00 CY	459.50 /CY	(38,598)	
2020	VE A03.00 - East Concessions Building Footings & Grade Beams	-21.00 CY	459.50 /CY	(9,649)	
2020	VE A03.00 - East Concessions Building 4" Slab-on-Grade	-902.00 SF	5.421 /SF	(4,890)	
2020	VE A03.00 - East Concessions Building 6" Slab-on-Grade	-1,454.00 SF	6.513 /SF	(9,469)	
2020	VE A04.02 - Covered Expo Storage Footings & Grade Beams	-21.00 CY	459.50 /CY	(9,649)	
2020	VE A04.02 - Covered Expo Storage 4" Slab-on-Grade	-902.00 SF	5.421 /SF	(4,890)	
2020	VE A04.02 - Covered Expo Storage 6" Slab-on-Grade	-1,454.00 SF	6.513 /SF	(9,469)	
2020	VE A16.01 - Manure Management Footings & Grade Beams	-11.00 CY	459.50 /CY	(5,054)	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
03-31-00	Structural Concrete				
2020	VE A16.01 - Manure Management Slab-on-Grade	-934.00 SF	6.75 /SF	(6,304)	
2020	VE A16.01 - Manure Management 10" CIP Walls	-19.00 CY	600.00 /CY	(11,400)	
2020	VE A16.01 - Manure Management Concrete Credit Adjustment	1.00 LS	8,547.00 /LS	8,547	
2020	VE S04.01 - Covered Expo 6" Slab-on-Grade	-1.00 SF	149,999.450 /SF	(149,999)	
2020	VE C02.01 - Monument Sign Footings	-13.947 CY	459.53 /CY	(6,409)	
2020	VE C02.01 - Monument Sign Slab-on-Grade (4")	-645.037 SF	5.42 /SF	(3,496)	
	Structural Concrete			359,099	
31-63-29	Drilled Concrete Piers And Shafts				
4010	Drilled Piers at Entry Canopy Footings	120.00 VLF	100.00 /VLF	12,000	
	Drilled Concrete Piers And Shafts			12,000	
	03 00 00 - Concrete			371,099	
04 0000 - Masonry					
04-22-00	Concrete Unit Masonry				
4020	Monument Sign Split Faced CMU	502.00 SF	17.00 /SF	8,534	
4020	Monument Sign Cast Stone Cap	719.00 SF	45.00 /SF	32,355	
4020	Monument Sign Sand Fill	107.00 CY	50.00 /CY	5,350	
4020	West Concessions Split Faced CMU	4,380.00 SF	15.00 /SF	65,700	
4020	West Concessions Burnished CMU	825.00 SF	20.00 /SF	16,500	
4020	West Concessions Standard Grey CMU	4,773.00 SF	13.00 /SF	62,049	
4020	Enclosed Expo 4" Split Faced CMU Veneer	5,240.00 SF	15.00 /SF	78,600	
4020	Enclosed Expo 4" Burnished CMU Veneer	660.00 SF	18.00 /SF	11,880	
4020	Enclosed Expo 8" Standard Grey CMU	7,435.00 SF	12.00 /SF	89,220	
4020	Covered Expo 12" Burnished CMU	290.00 SF	22.00 /SF	6,380	
4020	Covered Expo 12" Split Faced CMU	4,203.00 SF	19.00 /SF	79,857	
4020	Covered Expo 8" Split Faced CMU	2,957.00 SF	17.00 /SF	50,269	
4020	East Concession 8" Split Faced CMU	3,004.00 SF	17.00 /SF	51,068	
4020	East Concession 8" Burnished CMU	1,000.00 SF	20.00 /SF	20,000	
4020	East Concession 8" Grey Block CMU	3,308.00 SF	12.00 /SF	39,696	
4020	Manure Management Enclosed Expo 4" Split Faced CMU Veneer	687.00 SF	15.00 /SF	10,305	
4020	East Ticket 4" Burnished CMU Veneer	167.00 SF	18.00 /SF	3,006	
4020	VE A03.00 - East Concession 8" Split Faced CMU	-3,004.00 SF	17.00 /SF	(51,068)	
4020	VE A03.00 - East Concession 8" Burnished CMU	-1,000.00 SF	20.00 /SF	(20,000)	
4020	VE A03.00 - East Concession 8" Grey Block CMU	-3,308.00 SF	12.00 /SF	(39,696)	
4020	VE A04.02 - Covered Expo Storage Area 8" Split Faced CMU	-2,949.00 SF	17.00 /SF	(50,133)	
4020	VE A16.01 - Manure Management Enclosed Expo 4" Split Faced CMU Veneer	-687.00 SF	15.00 /SF	(10,305)	
4020	VE C02.01 - Monument Sign Split Faced CMU	-411.885 SF	17.00 /SF	(7,002)	
4020	VE C02.01 - Monument Sign Cast Stone Cap	-589.93 SF	45.00 /SF	(26,547)	
4020	VE C02.01 - Monument Sign Sand Fill	-87.79 CY	50.00 /CY	(4,390)	
	Concrete Unit Masonry			421,628	
07-19-19	Silicone Water Repellents				
4010	Enclosed Expo Masonry Sealer	5,900.00 SF	0.50 /SF	2,950	
4010	Covered Expo Masonry Sealer	7,450.00 SF	0.50 /SF	3,725	
4010	Manure Management Masonry Sealer	687.00 SF	0.50 /SF	344	
4010	East Ticket Masonry Sealer	167.00 SF	0.50 /SF	84	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
07-19-19	Silicone Water Repellents				
4010	Monument Sign Masonry Sealer	502.00 SF	0.50 /SF	251	
4010	East Concessions Masonry Sealer	4,004.00 SF	0.50 /SF	2,002	
4010	West Concessions Masonry Sealer	5,205.00 SF	0.50 /SF	2,603	
4010	VE A03.00 - East Concessions Masonry Sealer	-4,004.00 SF	0.50 /SF	(2,002)	
4010	VE A16.01 - Manure Management Masonry Sealer	-687.00 SF	0.50 /SF	(343)	
4010	VE C02.01 - Monument Sign Masonry Sealer	-411.885 SF	0.501 /SF	(206)	
	Silicone Water Repellents			9,406	
	04 0000 - Masonry			431,034	
	05 10 00 - Steel Fab				
05-12-23	Structural Steel For Buildings				
4010	West Concessions Structural Steel & Decking Fabrication/Erection	4.80 TN	5,000.00 /TN	24,000	
4010	Structural Steel & Decking Fabrication/Erection	3.00 TN	5,000.00 /TN	15,000	
4010	East Ticket Building Structural Steel & Decking Fabrication/Erection	1.50 TN	5,000.00 /TN	7,500	
4010	Enclosed Expo Structural Steel & Decking Fabrication/Erection	51.00 TN	5,000.00 /TN	255,000	
4010	Covered Expo Structural Steel & Decking Fabrication/Erection	5.20 TN	5,000.00 /TN	26,000	
4010	VE A03.00 - Structural Steel & Decking Fabrication/Erection	-3.00 TN	5,000.00 /TN	(15,000)	
4010	VE A04.02 - Covered Expo Structural Steel & Decking Fabrication/Erection	-5.20 TN	5,000.00 /TN	(26,000)	
	Structural Steel For Buildings			286,500	
05-15-16	Steel Wire Rope Assemblies				
4010	Fall Protection Cable System	463.00 LF	43.45 /LF	20,117	
4010	Fall Protection Cable System	1,210.00 LF	43.45 /LF	52,575	
4010	Enclosed Expo Fall Protection Cable System	889.00 LF	43.45 /LF	38,627	
4010	VE A01.00 - Fall Protection Cable System	-463.00 LF	43.45 /LF	(20,117)	
4010	VE S02.01 - Fall Protection Cable System	-1,210.00 LF	43.45 /LF	(52,575)	
4010	VE S03.01 - Enclosed Expo Fall Protection Cable System	-889.00 LF	43.45 /LF	(38,627)	
05-51-33	Metal Ladders				
4010	Enclosed Expo Ships Ladders	2.00 EA	4,000.00 /EA	8,000	
	Metal Ladders			8,000	
05-71-00	Miscellaneous Steel				
4010	West Concessions Wash Rack	20.00 LF	150.00 /LF	3,000	
4010	Entry Trellis	7.00 TN	5,000.00 /TN	35,000	
4010	Bollards - Fabricate & Deliver	5.00 EA	500.00 /EA	2,500	
4010	Covered Expo Bollards - Fabricate & Deliver	23.00 EA	500.00 /EA	11,500	
4010	West Concessions Freeze Proof Hydrant Protection	8.00 EA	500.00 /EA	4,000	
4010	Covered Expo Freeze Proof Hydrant Protection	2.00 EA	500.00 /EA	1,000	
4010	Covered Expo Wash Rack	50.00 LF	150.00 /LF	7,500	
4010	Transformer Screen Structure	42.00 LF	150.00 /LF	6,300	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
05-71-00	Miscellaneous Steel				
4010	Monument Sign Structure	1.00 LS	5,000.00 /LS	5,000	
4010	Existing Arena Windscreen Structures	29.00 TN	5,000.00 /TN	145,000	
4010	VE A04.02 - Covered Expo Freeze Proof Hydrant Protection	-6.00 EA	500.00 /EA	(3,000)	
4010	VE A04.02 - Covered Expo Wash Rack	-50.00 LF	150.00 /LF	(7,500)	
4010	VE A13.01 - Transformer Screen Structure	-42.00 LF	150.00 /LF	(6,300)	
4010	VE C02.01 - Monument Sign Structure	-0.82 LS	5,002.44 /LS	(4,102)	
	Miscellaneous Steel				199,898
	05 10 00 - Steel Fab				494,398
	06 40 00 - Millwork				
06-41-13	Plastic Laminate Faced Architectural Cabinets				
4010	Enclosed Expo Counter Support Structures	19.00 LF	100.00 /LF	1,900	
4010	Enclosed Expo Base Cabinets	57.00 LF	315.00 /LF	17,955	
4010	West Concessions Counter Support Structures	22.00 LF	100.00 /LF	2,200	
4020	Enclosed Expo Upper Cabinets	23.00 LF	235.00 /LF	5,405	
4020	Enclosed Expo Reception Deck Allowance	1.00 LS	15,000.00 /LS	15,000	
	Plastic Laminate Faced Architectural Cabinets				42,460
06-42-13	Solid Lumber Paneling				
4010	Enclosed Expo WD-2 - Wood Ceilings	3,081.00 SF	56.00 /SF	172,536	
4010	VE A10.02 - Omit WD-2 - Wood Ceilings @ Conference & Meeting Rooms	-1,212.00 SF	56.00 /SF	(67,872)	
4010	VE A10.03 - Omit WD-2 - Wood Ceilings @ Vestibule & Prefunction Spaces	-1,504.00 SF	56.00 /SF	(84,224)	
	Solid Lumber Paneling				20,440
06-61-19	Solid Surfacing Fabrications				
4010	West Concessions Solid Surface Countertops	22.00 SF	80.00 /SF	1,760	
4010	Enclosed Expo Solid Surface Countertops	154.00 SF	80.00 /SF	12,320	
	Solid Surfacing Fabrications				14,080
	06 40 00 - Millwork				76,980
	07 10 00 - Dampproofi				
07-27-26	Fluid-Applied Membrane Air Barriers				
4010	Enclosed Expo Fluid-Applied Membrane Air Barriers	6,339.00 SF	6.00 /SF	38,034	
4010	East Ticket Fluid-Applied Membrane Air Barriers	1,335.00 SF	6.00 /SF	8,010	
	Fluid-Applied Membrane Air Barriers				46,044
	07 10 00 - Dampproofi				46,044
	07 42 00 - Metal Pan				

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>		<u>Unit Cost</u>	<u>Amount</u>
07-41-13	Metal Roof Panels				
4010	Enclosed Expo Standing Seam Roof System	5,502.00	SF	17.00 /SF	93,534
4010	Covered Expo Storage Standing Seam Roof System	2,485.00	SF	17.00 /SF	42,245
4010	East Ticket Building Standing Seam Roof System	881.00	SF	17.00 /SF	14,977
4010	VE A04.02 - Covered Expo Storage Standing Seam Roof System	-2,485.00	SF	17.00 /SF	(42,245)
	Metal Roof Panels				108,511
07-42-13	Metal Wall Panels				
4010	Enclosed Expo Premium Metal Wall Panels	1,696.00	SF	15.25 /SF	25,864
4010	Enclosed Expo Perforated Mechanical Screen @ Roof	735.00	SF	15.25 /SF	11,209
4010	Enclosed Expo Perforated Mechanical Screen @ Equipment Yard	552.00	SF	15.25 /SF	8,418
4010	East Ticket Building Premium Metal Wall Panels	857.00	SF	15.25 /SF	13,069
4010	Perforated Mechanical Screen @ Transformer Screen	552.00	SF	15.25 /SF	8,418
4010	VE A13.01 - Perforated Mechanical Screen @ Transformer Screen	-552.00	SF	15.25 /SF	(8,418)
	Metal Wall Panels				58,560
07-42-93	Soffit Panels				
4010	Enclosed Expo Premium Metal Soffit Panels	923.00	SF	12.50 /SF	11,538
4010	East Ticket Building Premium Metal Soffit Panels	579.00	SF	12.50 /SF	7,238
4010	Premium Metal Soffit Panels	344.00	SF	12.50 /SF	4,300
4010	West Concessions Premium Metal Soffit Panels	413.00	SF	12.50 /SF	5,163
4010	VE A03.00 - Premium Metal Soffit Panels	-344.00	SF	12.50 /SF	(4,300)
	Soffit Panels				23,938
	07 42 00 - Metal Pan				191,009
	07 54 00 - Thermopla				
07-54-23	Thermoplastic-Polyolefin Roofing				
4010	Enclosed Expo Thermoplastic-Polyolefin Roofing	3,630.00	SF	12.75 /SF	46,283
4010	Thermoplastic-Polyolefin Roofing	2,302.00	SF	12.75 /SF	29,351
4010	West Concessions Thermoplastic-Polyolefin Roofing	3,604.00	SF	12.75 /SF	45,951
4010	VE A03.00 - Thermoplastic-Polyolefin Roofing	-2,302.00	SF	12.75 /SF	(29,351)
	Thermoplastic-Polyolefin Roofing				92,234
07-72-33	Roof Hatches				
4010	Enclosed Expo Roof Hatches	2.00	EA	3,000.00 /EA	6,000
	Roof Hatches				6,000
	07 54 00 - Thermopla				98,234
	08 33 00 - OH Coilin				

				Total	
Item	Description	Takeoff Qty	Unit Cost	Unit Cost	Amount
08-33-13	Coiling Counter Doors				
4010	Enclosed Expo Overhead Coiling Counter Doors	2.00 EA	3,750.00 /EA		7,500
4010	West Concessions Overhead Coiling Counter Doors	2.00 EA	3,750.00 /EA		7,500
4010	Overhead Coiling Counter Doors	2.00 EA	3,750.00 /EA		7,500
4010	VE A03.00 - Overhead Coiling Counter Doors	-2.00 EA	3,750.00 /EA		(7,500)
	Coiling Counter Doors				15,000
08-33-23	Overhead Coiling Doors				
4010	Enclosed Expo Overhead Coiling Doors	7.00 EA	8,000.00 /EA		56,000
4010	Covered Expo Overhead Coiling Doors	4.00 EA	3,500.00 /EA		14,000
4010	West Concessions Overhead Coiling Doors	1.00 EA	3,500.00 /EA		3,500
4010	VE A04.02 - Covered Expo Overhead Coiling Doors	-4.00 EA	3,500.00 /EA		(14,000)
	Overhead Coiling Doors				59,500
	08 33 00 - OH Coilin				74,500
08 44 00 - Glass & G					
08-43-13	Aluminum -Framed Storefronts				
4010	Enclosed Expo Punched Openings w/ Glass & Fins	207.00 SF	110.00 /SF		22,770
4010	Enclosed Expo Fiberglass Sandwich Panels	231.00 SF	96.28 /SF		22,241
4010	West Concessions Punched Openings w/ Glass & Fins	64.00 SF	110.00 /SF		7,040
4010	West Concessions 8'x2' Operable Window w/ Perf. Metal Panel	16.00 SF	50.00 /SF		800
	Aluminum -Framed Storefronts				52,851
08-44-13	Glazed Aluminum Curtain Walls				
4010	Enclosed Expo Glazed Aluminum Curtain Walls	718.00 SF	67.00 /SF		48,106
4010	Enclosed Expo Aluminum Doors	8.00 EA	4,500.00 /EA		36,000
4010	Aluminum Door - ADA Assist Swing Operators	2.00 EA	500.00 /EA		1,000
	Glazed Aluminum Curtain Walls				85,106
08-81-00	Glazing				
4010	Enclosed Expo Interior Sidelight Glazing	84.00 SF	15.00 /SF		1,260
4010	Enclosed Expo Door Glazing	24.00 SF	15.00 /SF		360
4010	Enclosed Expo Door Glazing (Narrow Lite)	5.00 EA	25.00 /EA		125
4010	Enclosed Expo Door Glazing (Center Lite)	2.00 EA	25.00 /EA		50
4010	Enclosed Expo Door Glazing (Narrow Lite)	5.00 EA	25.00 /EA		125
4010	East Ticket Building Door Glazing (Narrow Lite)	1.00 EA	25.00 /EA		25
	Glazing				1,945
08-83-13	Mirrored Glass Glazing				
4020	Enclosed Expo Unframed Mirrors	57.00 SF	15.00 /SF		855
4020	Enclosed Expo Framed Mirror(s)	1.00 EA	110.00 /EA		110
4020	East Ticket Building Framed Mirror(s)	6.00 EA	110.00 /EA		660
4020	West Concessions Framed Mirror(s)	9.00 EA	110.00 /EA		990

				Total	
Item	Description	Takeoff Qty		Unit Cost	Amount
Mirrored Glass Glazing					2,615
11-17-13	Teller Equipment Systems				
4010	East Ticket Building Ticket Transaction Windows	3.00	EA	5,858.00 /EA	17,574
Teller Equipment Systems					17,574
08 44 00 - Glass & G					160,091
08 71 02 - Door Hrdw					
08-01-60	Door Restoration				
4010	Replace Hardware @ Existing Door	3.00	EA	1,000.00 /EA	3,000
4010	VE A14.01 - Replace Hardware @ Existing Door	-3.00	EA	1,000.00 /EA	(3,000)
08-11-13	Hollow Metal Frames & Wood Doors				
4070	Enclosed Expo - 3'-0" x 7'-2" - Metal Frames w/ Wood Doors & Hardware	14.00	EA	2,025.00 /EA	28,350
4070	Enclosed Expo - 4'-0" x 7'-2" - Metal Frames w/ Wood Doors & Hardware	3.00	EA	2,125.00 /EA	6,375
4070	Enclosed Expo - 6'-0" x 7'-2" - Metal Frames w/ Wood Doors & Hardware	4.00	EA	3,975.00 /EA	15,900
Hollow Metal Frames & Wood Doors					50,625
08-11-14	Hollow Metal Doors and Frames				
4010	Enclosed Expo - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	16.00	EA	1,989.00 /EA	31,824
4010	Enclosed Expo - 4'-0" x 7'-2" - Metal Frames & Doors/Hardware	1.00	EA	2,089.00 /EA	2,089
4010	Enclosed Expo - 6'-0" x 7'-2" - Metal Frames & Doors/Hardware	2.00	EA	3,825.00 /EA	7,650
4010	Enclosed Expo - 8'-0" x 7'-2" - Metal Frames & Doors/Hardware	1.00	EA	3,925.00 /EA	3,925
4010	Covered Expo - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	4.00	EA	1,989.00 /EA	7,956
4010	East Ticket - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	3.00	EA	1,989.00 /EA	5,967
4010	East Concessions - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	6.00	EA	1,989.00 /EA	11,934
4010	West Concessions - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	14.00	EA	1,989.00 /EA	27,846
4010	VE A03.00 - East Concessions - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	-6.00	EA	1,989.00 /EA	(11,934)
4010	VE A04.02 - Covered Expo - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	-4.00	EA	1,989.00 /EA	(7,956)
Hollow Metal Doors and Frames					79,301
08 71 02 - Door Hrdw					129,926
09 20 00 - Drywall &					

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
06-10-53	Miscellaneous Rough Carpentry				
4010	East Ticket Building In-wall Blocking	391.00	GSF	1.65 /GSF	645
4010	Enclosed Expo In-wall Blocking	8,149.00	GSF	1.65 /GSF	13,446
	Miscellaneous Rough Carpentry				14,091
06-16-00	Sheathing				
4010	Enclosed Expo Fire Rated Plywood Sheathing & Elec, IDF, MDF	986.00	SF	3.00 /SF	2,958
4010	West Concessions Fire Rated Plywood Sheathing & Elec, IDF, MDF	986.00	SF	3.00 /SF	2,958
	Sheathing				5,916
07-46-46	Mineral -Fiber Cement Siding				
4010	East Ticket Fiber Cement Panel	734.00	SF	15.25 /SF	11,194
4010	East Concessions Fiber Cement Panel	312.00	SF	15.25 /SF	4,758
4010	West Concessions Fiber Cement Panel	357.00	SF	15.25 /SF	5,444
4010	Enclosed Expo Fiber Cement Panel	1,515.00	SF	15.25 /SF	23,104
4010	VE A03.00 - East Concessions Fiber Cement Panel	-312.00	SF	15.25 /SF	(4,758)
	Mineral -Fiber Cement Siding				39,742
09-21-16	Gypsum Board Assemblies				
4010	Enclosed Expo Drywall Framing & Sheathing	23,912.00	SF	10.35 /SF	247,489
4010	West Concessions Drywall Framing & Sheathing	3,218.00	SF	2.78 /SF	8,946
4010	Drywall Framing & Sheathing	1,989.00	SF	0.48 /SF	955
4010	East Ticket Building Drywall Framing & Sheathing	1,989.00	SF	0.48 /SF	955
4010	VE A03.00 - Drywall Framing & Sheathing	-1,989.00	SF	0.48 /SF	(955)
	Gypsum Board Assemblies				257,390
09-51-13	Acoustical Panel Ceilings				
4010	Enclosed Expo CL1 Acoustical Tile Ceilings	1,341.00	SF	3.50 /SF	4,694
4010	Enclosed Expo CL3 Acoustical Tile Ceilings	2,080.00	SF	4.50 /SF	9,360
4010	Enclosed Expo CL5 Acoustical Tile Ceilings	287.00	SF	5.50 /SF	1,579
4010	East Ticket Building CL1 Acoustical Tile Ceilings	368.00	SF	4.50 /SF	1,656
4010	West Concessions CL1 Acoustical Tile Ceilings	467.00	SF	3.50 /SF	1,635
4010	West Concessions CL3 Acoustical Tile Ceilings	842.00	SF	4.50 /SF	3,789
4010	CL3 Acoustical Tile Ceilings	775.00	SF	4.50 /SF	3,488
4010	VE A03.00 - CL3 Acoustical Tile Ceilings	-775.00	SF	4.50 /SF	(3,487)
4010	VE A10.02 - Enclosed Expo CL1 Acoustical Tile Ceilings	1,212.00	SF	3.50 /SF	4,242
4010	VE A10.03 - Specialty Decorative Ceiling Allowance	1,504.00	SF	10.00 /SF	15,040
	Acoustical Panel Ceilings				41,994
09-77-23	Fabric -Wrapped Panels				
4010	Enclosed Expo Fabric -Wrapped Panels	1,118.00	SF	18.25 /SF	20,404
	Fabric -Wrapped Panels				20,404
	09 20 00 - Drywall &				379,535

				Total	
Item	Description	Takeoff Qty		Unit Cost	Amount
09 30 00 - Tile					
09-30-13	Ceramic Tiling				
4010	T1 - Pre-Function Tile	1,021.00	SF	21.25 /SF	21,696
4010	T2 - Ceramic Tile	239.00	SF	17.00 /SF	4,063
4010	T3 - Ceramic Tile	788.00	SF	17.00 /SF	13,396
4010	T4 - Ceramic Tile	384.00	SF	17.00 /SF	6,528
4010	T5- Ceramic Tile	178.00	SF	17.00 /SF	3,026
4010	T3 - Ceramic Tile	829.00	SF	17.00 /SF	14,093
4010	T4 - Ceramic Tile	260.00	SF	17.50 /SF	4,550
4010	T3 - Ceramic Tile	989.00	SF	17.00 /SF	16,813
4010	T4 - Ceramic Tile	261.00	SF	17.50 /SF	4,568
4010	T3 - Ceramic Tile	989.00	SF	17.00 /SF	16,813
4010	T4 - Ceramic Tile	261.00	SF	17.50 /SF	4,568
4010	VE A03.00 - T3 - Ceramic Tile	-829.00	SF	17.00 /SF	(14,093)
4010	VE A03.00 - T4 - Ceramic Tile	-260.00	SF	17.50 /SF	(4,550)
4010	VE A14.01 - T3 - Ceramic Tile	-989.00	SF	17.00 /SF	(16,813)
4010	VE A14.01 - T4 - Ceramic Tile	-261.00	SF	17.50 /SF	(4,567)
	Ceramic Tiling				70,090
09 30 00 - Tile					70,090
09 65 00 - Flooring					
09-65-13	Resilient Base & Accessories				
4020	Enclosed Expo RB-1 - Rubber Base	960.00	LF	1.65 /LF	1,584
4020	Enclosed Expo RB-2 - Rubber Base	600.00	LF	1.65 /LF	990
4020	West Concessions RB-1 - Rubber Base	120.00	LF	1.65 /LF	198
4020	West Concessions RB-2 - Rubber Base	120.00	LF	1.65 /LF	198
4020	East Ticket Building RB-1 - Rubber Base	120.00	LF	1.65 /LF	198
	Resilient Base & Accessories				3,168
09-68-13	Tile Carpeting				
4010	Enclosed Expo C1 - Carpeting	113.62	SY	55.00 /SY	6,249
4010	Enclosed Expo C2 - Carpeting	153.41	SY	58.00 /SY	8,898
4010	West Concessions C2 - Carpeting	13.34	SY	58.00 /SY	774
	Tile Carpeting				15,921
09 65 00 - Flooring					19,089
09 90 00 - Painting					
09-72-00	Wall Coverings				
4010	Enclosed Expo - Custom Graphic Wall Coverings	540.00	SF	20.00 /SF	10,800
	Wall Coverings				10,800
09-77-13	Stretched-Fabric Wall Systems				
4020	Stretched-Fabric Wall Systems @ Reception 117	261.00	SF	35.00 /SF	9,135

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>		<u>Unit Cost</u>	<u>Amount</u>
Stretched-Fabric Wall Systems					9,135
09-91-00	Painting				
4010	Enclosed Expo Interior & Exterior Painting	49,485.00	SF	2.87 /SF	142,022
4010	Existing Arena Interior & Exterior Painting	61,587.00	SF	1.00 /SF	61,587
4010	Covered Penning Interior & Exterior Painting	17,458.00	SF	1.151 /SF	20,093
4010	East Concessions Interior & Exterior Painting	2,097.00	SF	3.33 /SF	6,983
4010	West Concessions Interior & Exterior Painting	3,396.00	SF	5.74 /SF	19,493
4010	VE A01.00 - Covered Penning Interior & Exterior Painting	-17,458.00	SF	1.151 /SF	(20,093)
4010	VE A03.00 - East Concessions Interior & Exterior Painting	-2,097.00	SF	3.33 /SF	(6,983)
4010	VE A09.01 - Existing Arena Interior & Exterior Painting	-61,587.00	SF	1.00 /SF	(61,587)
4010	VE A14.01 - Existing Arena Interior & Exterior Painting	-1.00	LS	750.00 /LS	(750)
Painting					160,765
09 90 00 - Painting					180,700
10 00 00 - Specialti					
10-21-13	Toilet Compartments				
4010	West Concessions Toilet Compartments (Stainless Steel Floor Anchored)	15.00	EA	1,200.00 /EA	18,000
4010	West Concessions Urinal Screens	3.00	EA	550.00 /EA	1,650
4010	Toilet Compartments (Stainless Steel Floor Anchored)	15.00	EA	1,200.00 /EA	18,000
4010	Urinal Screens	3.00	EA	550.00 /EA	1,650
4010	Enclosed Expo Toilet Compartments (Stainless Steel Floor Anchored)	11.00	EA	1,200.00 /EA	13,200
4010	Enclosed Expo Urinal Screens	3.00	EA	550.00 /EA	1,650
4010	VE A03.00 - Toilet Compartments (Stainless Steel Floor Anchored)	-15.00	EA	1,200.00 /EA	(18,000)
4010	VE A03.00 - Urinal Screens	-3.00	EA	550.00 /EA	(1,650)
Toilet Compartments					34,500
10-28-13	Toilet Accessories				
4040	T01 - Paper Towel Dispenser/Receptacle	9.00	EA	350.00 /EA	3,150
4040	T05 - Toilet Seat Protector	18.00	EA	200.00 /EA	3,600
4040	T06 - Toilet Tissue Dispenser	18.00	EA	50.00 /EA	900
4040	T07 - Horizontal Baby Station	2.00	EA	300.00 /EA	600
4040	T09.42 - 42" Grab Bar	5.00	EA	80.00 /EA	400
4040	T09.48 - 48" Grab Bar	9.00	EA	100.00 /EA	900
4040	T09V - 18" Vertical Grab Bar	8.00	EA	60.00 /EA	480
4040	T11 - Soap Dispenser	7.00	EA	80.00 /EA	560
4040	T13 - 18"x36" Framed Mirror	9.00	EA	150.00 /EA	1,350
4040	T13 - 24"x72" Framed Mirror	1.00	EA	375.00 /EA	375
4040	T15 - Sanitary Napkin Vendor	1.00	EA	615.00 /EA	615
4040	T16 - Sanitary Napkin Receptacle	13.00	EA	270.00 /EA	3,510
4040	T18 - Mop/Broom Holder	1.00	EA	150.00 /EA	150
4040	T19 - Accessible Coat Hook	15.00	EA	39.00 /EA	585
4040	T20 - Wall Mnt. Coat Hook	3.00	EA	39.00 /EA	117
4040	T21 - Shelf	1.00	EA	125.00 /EA	125

				Total	
Item	Description	Takeoff Qty	Unit Cost	Unit Cost	Amount
10-28-13	Toilet Accessories				
4040	T01 - Paper Towel Dispenser/Receptacle	4.00 EA	350.00 /EA		1,400
4040	T05 - Toilet Seat Protector	15.00 EA	200.00 /EA		3,000
4040	T06 - Toilet Tissue Dispenser	15.00 EA	50.00 /EA		750
4040	T07 - Horizontal Baby Station	2.00 EA	300.00 /EA		600
4040	T09.42 - 42" Grab Bar	2.00 EA	80.00 /EA		160
4040	T09.48 - 48" Grab Bar	6.00 EA	100.00 /EA		600
4040	T09V - 18" Vertical Grab Bar	5.00 EA	60.00 /EA		300
4040	T11 - Soap Dispenser	4.00 EA	80.00 /EA		320
4040	T13 - 18"x36" Framed Mirror	6.00 EA	150.00 /EA		900
4040	T13 - 24"x72" Framed Mirror	1.00 EA	375.00 /EA		375
4040	T15 - Sanitary Napkin Vendor	1.00 EA	615.00 /EA		615
4040	T16 - Sanitary Napkin Receptacle	13.00 EA	270.00 /EA		3,510
4040	T18 - Mop/Broom Holder	1.00 EA	150.00 /EA		150
4040	T19 - Accessible Coat Hook	15.00 EA	39.00 /EA		585
4040	T20 - Wall Mnt. Coat Hook	3.00 EA	39.00 /EA		117
4040	T21 - Shelf	1.00 EA	125.00 /EA		125
4040	Enclosed Expo - T01 - Paper Towel Dispenser/Receptacle	7.00 EA	350.00 /EA		2,450
4040	Enclosed Expo - T05 - Toilet Seat Protector	12.00 EA	200.00 /EA		2,400
4040	Enclosed Expo - T06 - Toilet Tissue Dispenser	12.00 EA	50.00 /EA		600
4040	Enclosed Expo - T07 - Horizontal Baby Station	3.00 EA	300.00 /EA		900
4040	Enclosed Expo - T09.42 - 42" Grab Bar	3.00 EA	80.00 /EA		240
4040	Enclosed Expo - T09.48 - 48" Grab Bar	7.00 EA	100.00 /EA		700
4040	Enclosed Expo - T09V - 18" Vertical Grab Bar	6.00 EA	60.00 /EA		360
4040	Enclosed Expo - T11 - Soap Dispenser	7.00 EA	80.00 /EA		560
4040	Enclosed Expo - T13 - 18"x36" Framed Mirror	3.00 EA	150.00 /EA		450
4040	Enclosed Expo - T15 - Sanitary Napkin Vendor	1.00 EA	615.00 /EA		615
4040	Enclosed Expo - T16 - Sanitary Napkin Receptacle	9.00 EA	270.00 /EA		2,430
4040	Enclosed Expo - T18 - Mop/Broom Holder	1.00 EA	150.00 /EA		150
4040	Enclosed Expo - T19 - Accessible Coat Hook	11.00 EA	39.00 /EA		429
4040	Enclosed Expo - T20 - Wall Mnt. Coat Hook	3.00 EA	39.00 /EA		117
4040	Enclosed Expo - T21 - Shelf	1.00 EA	125.00 /EA		125
4040	Enclosed Expo - T01 - Paper Towel Dispenser/Receptacle	2.00 EA	350.00 /EA		700
4040	Enclosed Expo - T05 - Toilet Seat Protector	2.00 EA	200.00 /EA		400
4040	Enclosed Expo - T06 - Toilet Tissue Dispenser	2.00 EA	50.00 /EA		100
4040	Enclosed Expo - T07 - Horizontal Baby Station	2.00 EA	300.00 /EA		600
4040	Enclosed Expo - T09.42 - 42" Grab Bar	2.00 EA	80.00 /EA		160
4040	Enclosed Expo - T09.48 - 48" Grab Bar	2.00 EA	100.00 /EA		200
4040	Enclosed Expo - T09V - 18" Vertical Grab Bar	2.00 EA	60.00 /EA		120
4040	Enclosed Expo - T11 - Soap Dispenser	2.00 EA	80.00 /EA		160
4040	Enclosed Expo - T13 - 18"x36" Framed Mirror	2.00 EA	150.00 /EA		300
4040	Enclosed Expo - T20 - Wall Mnt. Coat Hook	2.00 EA	39.00 /EA		78
4040	VE A03.00 - T01 - Paper Towel Dispenser/Receptacle	-4.00 EA	350.00 /EA		(1,400)
4040	VE A03.00 - T05 - Toilet Seat Protector	-15.00 EA	200.00 /EA		(3,000)
4040	VE A03.00 - T06 - Toilet Tissue Dispenser	-15.00 EA	50.00 /EA		(750)
4040	VE A03.00 - T07 - Horizontal Baby Station	-2.00 EA	300.00 /EA		(600)
4040	VE A03.00 - T09.42 - 42" Grab Bar	-2.00 EA	80.00 /EA		(160)
4040	VE A03.00 - T09.48 - 48" Grab Bar	-6.00 EA	100.00 /EA		(600)
4040	VE A03.00 - T09V - 18" Vertical Grab Bar	-5.00 EA	60.00 /EA		(300)
4040	VE A03.00 - T11 - Soap Dispenser	-4.00 EA	80.00 /EA		(320)
4040	VE A03.00 - T13 - 18"x36" Framed Mirror	-6.00 EA	150.00 /EA		(900)
4040	VE A03.00 - T13 - 24"x72" Framed Mirror	-1.00 EA	375.00 /EA		(375)
4040	VE A03.00 - T15 - Sanitary Napkin Vendor	-1.00 EA	615.00 /EA		(615)

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
10-28-13	Toilet Accessories				
4040	VE A03.00 - T16 - Sanitary Napkin Receptacle	-13.00 EA	270.00 /EA	(3,510)	
4040	VE A03.00 - T18 - Mop/Broom Holder	-1.00 EA	150.00 /EA	(150)	
4040	VE A03.00 - T19 - Accessible Coat Hook	-15.00 EA	39.00 /EA	(585)	
4040	VE A03.00 - T20 - Wall Mnt. Coat Hook	-3.00 EA	39.00 /EA	(117)	
4040	VE A03.00 - T21 - Shelf	-1.00 EA	125.00 /EA	(125)	
4040	VE A14.01 - Enclosed Expo - T01 - Paper Towel Dispenser/Receptacle	-2.00 EA	350.00 /EA	(700)	
4040	VE A14.01 - Enclosed Expo - T05 - Toilet Seat Protector	-2.00 EA	200.00 /EA	(400)	
4040	VE A14.01 - Enclosed Expo - T06 - Toilet Tissue Dispenser	-2.00 EA	50.00 /EA	(100)	
4040	VE A14.01 - Enclosed Expo - T07 - Horizontal Baby Station	-2.00 EA	300.00 /EA	(600)	
4040	VE A14.01 - Enclosed Expo - T09.42 - 42" Grab Bar	-2.00 EA	80.00 /EA	(160)	
4040	VE A14.01 - Enclosed Expo - T09.48 - 48" Grab Bar	-2.00 EA	100.00 /EA	(200)	
4040	VE A14.01 - Enclosed Expo - T09V - 18" Vertical Grab Bar	-2.00 EA	60.00 /EA	(120)	
4040	VE A14.01 - Enclosed Expo - T11 - Soap Dispenser	-2.00 EA	80.00 /EA	(160)	
4040	VE A14.01 - Enclosed Expo - T13 - 18"x36" Framed Mirror	-2.00 EA	150.00 /EA	(300)	
4040	VE A14.01 - Enclosed Expo - T20 - Wall Mnt. Coat Hook	-2.00 EA	39.00 /EA	(78)	
	Toilet Accessories			29,943	
10-44-16	Fire Extinguishers				
4020	Existing Arena Fire Extinguisher - Allowance	4.00 EA	315.00 /EA	1,260	
4020	Enclosed Expo - Fire Extinguisher - Allowance	4.00 EA	315.00 /EA	1,260	
4020	Covered Expo Fire Extinguisher - Allowance	2.00 EA	315.00 /EA	630	
4020	Fire Extinguisher - Allowance	1.00 EA	315.00 /EA	315	
4020	West Concessions Fire Extinguisher - Allowance	1.00 EA	315.00 /EA	315	
4020	East Ticket Building Fire Extinguisher - Allowance	1.00 EA	315.00 /EA	315	
4020	VE A03.00 - Fire Extinguisher - Allowance	-1.00 EA	315.00 /EA	(315)	
4020	VE A14.01 - Covered Expo Fire Extinguisher - Allowance	-2.00 EA	315.00 /EA	(630)	
	Fire Extinguishers			3,150	
	10 00 00 - Specialti			67,593	
10 14 00 - Signage					
10-14-19	Dimensional Letter Signage				
4010	Enclosed Expo South Elevation Pin Mounted Letters	1.00 EA	18,510.00 /EA	18,510	
4010	Enclosed Expo East Elevation Pin Mounted Letters	1.00 EA	5,036.00 /EA	5,036	
4010	East Ticket Building - East Elevation Pin Mounted Letters	1.00 EA	2,324.00 /EA	2,324	
4010	Monument Sign - Pin Mounted Letters	1.00 EA	16,307.00 /EA	16,307	
4010	VE C02.01 - Monument Sign - Pin Mounted Letters	-0.82 EA	16,316.48 /EA	(13,380)	

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>		<u>Unit Cost</u>	<u>Amount</u>
Dimensional Letter Signage					28,797
10-14-23	Panel Signage				
4010	Enclosed Expo Restroom Signs	3.00	EA	132.00 /EA	396
4010	Enclosed Expo Room Signs	35.00	EA	104.00 /EA	3,640
4010	Enclosed Expo Entrance Viny Signage	10.00	EA	150.00 /EA	1,500
4010	Enclosed Expo Allowance for Directional Signage	1.00	EA	5,000.00 /EA	5,000
4010	Existing Arena - Restroom Signs	2.00	EA	132.00 /EA	264
4010	Existing Arena - Allowance for Directional Signage	1.00	EA	2,500.00 /EA	2,500
4010	East Concessions - Restroom Signs	2.00	EA	132.00 /EA	264
4010	East Concessions - Room Signs	6.00	EA	104.00 /EA	624
4010	East Concessions - Allowance for Directional Signage	1.00	EA	750.00 /EA	750
4010	West Concessions - Restroom Signs	4.00	EA	132.00 /EA	528
4010	West Concessions - Room Signs	10.00	EA	104.00 /EA	1,040
4010	West Concessions - Allowance for Directional Signage	1.00	EA	500.00 /EA	500
4010	VE A03.00 - East Concessions - Restroom Signs	-2.00	EA	132.00 /EA	(264)
4010	VE A03.00 - East Concessions - Room Signs	-6.00	EA	104.00 /EA	(624)
4010	VE A03.00 - East Concessions - Allowance for Directional Signage	-1.00	EA	750.00 /EA	(750)
4010	VE A14.01 - Existing Arena - Restroom Signs	-2.00	EA	132.00 /EA	(264)
Panel Signage					15,104
10 14 00 - Signage					43,901
10 22 39 - Operable					
10-22-39	Folding Panel Partitions				
4010	Enclosed Expo Manual Folding Panel Partitions	2,214.00	SF	43.00 /SF	95,202
Folding Panel Partitions					95,202
10 22 39 - Operable					95,202
10 73 16 - Canopies					
10-73-16	Canopies				
4010	Windscreens @ Existing Arena	7,905.00	SF	2.00 /SF	15,810
Canopies					15,810
10 73 16 - Canopies					15,810
11 34 16 - Seating					
13-34-16	Grandstands & Bleachers				
4010	Aluminum Bleachers (Re-use Existing)				0
11 34 16 - Seating					0

				Total	
Item	Description	Takeoff Qty		Unit Cost	Amount
11 40 00 - Foodservi					
11-44-00	Food Cooking Equipment				
4010	Freestanding Stainless Steel Counters	30.00	LF	150.00 /LF	4,500
4010	3 Compartment Sink w/ Drying Area	1.00	EA	1,500.00 /EA	1,500
4010	Freestanding Stainless Steel Counters	37.00	LF	150.00 /LF	5,550
4010	3 Compartment Sink w/ Drying Area	1.00	EA	1,500.00 /EA	1,500
4010	Freestanding Stainless Steel Counters	39.00	LF	150.00 /LF	5,850
4010	3 Compartment Sink w/ Drying Area	1.00	EA	1,500.00 /EA	1,500
4010	Cooler Relocation Allowance	1.00	EA	5,000.00 /EA	5,000
4010	Foodservice Equipment (ref. FF&E)	0.00	EA		
4010	Foodservice Equipment (ref. FF&E)	0.00	EA		
4010	Foodservice Equipment (ref. FF&E)	0.00	EA		
4010	VE A03.00 - Freestanding Stainless Steel Counters	-39.00	LF	150.00 /LF	(5,850)
4010	VE A03.00 - 3 Compartment Sink w/ Drying Area	-1.00	EA	1,500.00 /EA	(1,500)
4010	Foodservice Equipment (ref. FF&E)	0.00	EA		
	Food Cooking Equipment				18,050
12-36-16 Metal Countertops					
4010	Stainless Steel Countertops	56.00	SF	185.00 /SF	10,360
4010	Stainless Steel Countertops	80.00	SF	185.00 /SF	14,800
4010	Stainless Steel Countertops	77.00	SF	185.00 /SF	14,245
4010	VE A03.00 - Stainless Steel Countertops	-77.00	SF	185.00 /SF	(14,245)
	Metal Countertops				25,160
11 40 00 - Foodservi					43,210
11 92 00 - Agricultu					
11-65-00	Athletic Equipment				
4010	Livestock Equipment Allowance (ref. FF&E)	0.00	SF		
11 92 00 - Agricultu					0
12 21 00 - Window BI					
12-21-13	Horizontal Louver Blinds				
4010	Enclosed Expo - Horizontal Louver Blinds @ Office Sidelights	8.00	EA	45.00 /EA	360
	Horizontal Louver Blinds				360
12-21-23	Roll-Down Blinds				
4010	Enclosed Expo - Manual Roller Shades	12.00	EA	175.00 /EA	2,100
4010	Enclosed Expo - Manual Roller Shades	4.00	EA	175.00 /EA	700
	Roll-Down Blinds				2,800
12-21-26	Black-Out Blinds				
4010	Enclosed Expo - Black-Out Shades	4.00	SF	100.00 /SF	400

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>	<u>Unit Cost</u>	<u>Amount</u>	
	Black-Out Blinds				400
	12 21 00 - Window BI				3,560
12 48 16 - Floor Gri					
12-48-13	Entrance Floor Mats And Frames				
4010	Enclosed Expo - Entrance Floor Mats And Frames	147.00	SF	102.00 /SF	14,994
	Entrance Floor Mats And Frames				14,994
	12 48 16 - Floor Gri				14,994
13 34 19 Pre-Enginee					
13-34-19	Metal Building Systems				
4010	Enclosed & Covered Expo Pre-Engineered Metal Building Systems	38,355.00	SF	25.42 /SF	974,984
4010	Covered Penning Pre-Engineered Metal Building Systems	17,458.00	SF	12.88 /SF	224,859
4010	VE A01.00 - Covered Penning Pre-Engineered Metal Building Systems	-17,458.00	SF	12.88 /SF	(224,859)
	Metal Building Systems				974,984
	13 34 19 Pre-Enginee				974,984
21 00 00 - Fire Supp					
21-13-13	Wet-Pipe Sprinkler Systems				
4010	Enclosed Expo - Expo Prefunction & Office Areas	8,526.00	GSF	4.80 /GSF	40,925
	Wet-Pipe Sprinkler Systems				40,925
21-13-16	Dry-Pipe Sprinkler Systems				
4010	Enclosed Expo Halls	15,618.00	GSF	1.74 /GSF	27,175
4010	Covered Expo Halls	24,421.00	GSF	1.74 /GSF	42,493
4010	Covered Penning Structure	17,458.00	GSF	2.56 /GSF	44,650
4010	VE A01.00 - Covered Penning Structure	-17,458.00	GSF	2.56 /GSF	(44,650)
4010	VE A04.02 - Covered Expo Halls	-2,356.00	GSF	1.74 /GSF	(4,099)
	Dry-Pipe Sprinkler Systems				65,568
	21 00 00 - Fire Supp				106,493
22 00 00 - Plumbing					
22-00-01	Plumbing General				
4020	Enclosed Expo Plumbing Systems	24,336.00	GSF	7.00 /GSF	170,352
4020	Covered Expo Covered Expo Plumbing Systems	24,666.00	GSF	5.00 /GSF	123,330
4020	East Concessions Plumbing Systems	2,097.00	GSF	60.00 /GSF	125,820
4020	West Concessions Plumbing Systems	3,396.00	GSF	33.00 /GSF	112,068
4020	Covered Penning Plumbing Systems	17,458.00	GSF	0.80 /GSF	13,953

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
22-00-01	Plumbing General				
4020	VE A01.00 - Covered Penning Plumbing Systems	-17,458.00	GSF	0.80 /GSF	(13,953)
4020	VE A03.00 - East Concessions Plumbing Systems	-2,097.00	GSF	60.00 /GSF	(125,820)
4020	VE A04.02 - Covered Expo Covered Expo Plumbing Systems	-2,356.00	GSF	5.00 /GSF	(11,780)
	Plumbing General				393,970
	22 00 00 - Plumbing				393,970
	23 00 00 - Mechanical				
23-00-01	HVAC General				
4010	Enclosed Expo Mechanical Systems	24,336.00	GSF	16.00 /GSF	389,376
4010	Covered Expo Covered Expo Mechanical Systems	24,666.00	GSF	2.50 /GSF	61,665
4010	East Ticket Building Mechanical Systems	483.00	GSF	12.00 /GSF	5,796
4010	East Concessions Building Mechanical Systems	2,097.00	GSF	22.00 /GSF	46,134
4010	West Concessions Building Mechanical Systems	3,396.00	GSF	16.50 /GSF	56,034
4010	VE A03.00 - East Concessions Building Mechanical Systems	-2,097.00	GSF	22.00 /GSF	(46,134)
4010	VE M05.01 - Covered Expo Covered Expo Mechanical Systems	-24,666.00	GSF	1.25 /GSF	(30,833)
	HVAC General				482,039
23-34-13	Axial HVAC Fans				
4010	Arena 24' Low Speed High Volume Fans	8.00	EA	7,500.00 /EA	60,000
4010	Covered Expo 18' Low Speed High Volume Fans	3.00	EA	6,500.00 /EA	19,500
4010	Enclosed Expo - 18' Low Speed High Volume Fans	2.00	EA	6,500.00 /EA	13,000
4010	Arena 24' Low Speed High Volume Fans	4.00	EA	7,500.00 /EA	30,000
4010	VE A01.00 - Arena 24' Low Speed High Volume Fans	-4.00	EA	7,500.00 /EA	(30,000)
4010	VE M02.01 - Arena 24' Low Speed High Volume Fans	-8.00	EA	7,500.00 /EA	(60,000)
4010	VE M03.01 - Covered Expo 18' Low Speed High Volume Fans	-3.00	EA	6,500.00 /EA	(19,500)
4010	VE M04.01 - Enclosed Expo - 18' Low Speed High Volume Fans	-2.00	EA	6,500.00 /EA	(13,000)
	23 00 00 - Mechanical				482,039
	26 00 00 - Electrical				
26-00-01	Electrical General				
4010	Relocate Pole Lights w/ New Base(s)	3.00	EA	3,400.00 /EA	10,200
4010	Covered Expo Power & Lighting @ Covered Expo Building	24,666.00	SF	27.14 /SF	669,435
4010	Power & Lighting @ Enclosed Expo Building	24,336.00	EA	12.42 /EA	302,253
4010	East Ticket Building Power & Lighting	483.00	EA	25.00 /EA	12,075
4010	Power & Lighting @ East Concessions	2,097.00	EA	24.04 /EA	50,412
4010	Power & Lighting @ West Concessions	3,396.00	EA	24.04 /EA	81,640
4010	Power & Lighting @ Covered Penning	17,458.00	SF	9.783 /SF	170,788
4010	Power & Lighting Revisions @ Existing Arena	61,587.00	EA	6.26 /EA	385,535
4010	Power, Lighting & Gear @ Site	1.00	EA	622,385.00 /EA	622,385

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
26-00-01	Electrical General				
4010	VE A01.00 - Power & Lighting @ Covered Penning	-17,458.00 SF	9.783 /SF	(170,788)	
4010	VE A03.00 - Power & Lighting @ East Concessions	-2,097.00 EA	24.04 /EA	(50,412)	
4010	VE A04.02 - Covered Expo Power & Lighting @ Covered Expo Building	-2,356.00 SF	27.14 /SF	(63,942)	
4010	VE A14.01 - Power & Lighting Revisions @ Existing Arena	-1.00 LS	1,500.00 /LS	(1,500)	
4010	VE E01.01 - Targeted Exist Arena Exterior Light Savings	-1.00 LS	18,750.00 /LS	(18,750)	
4010	VE E02.01 - Targeted Exist Arena Interior Light Savings	-1.00 LS	100,000.00 /LS	(100,000)	
4010	VE E03.01 - Expo Lighting from LED to Fluorescent	-1.00 LS	60,000.00 /LS	(60,000)	
4010	VE E05.01 - Alum. Main Feeder vs. Copper	-1.00 LS	50,000.00 /LS	(50,000)	
	Electrical General			1,789,331	
	26 00 00 - Electrica			1,789,331	
27 1000 - Communicat					
27-15-00	Communications Horizontal Cabling				
4010	Enclosed Expo Communications Horizontal Cabling (by Owner)	0.00 SF			
	27 1000 - Communicat			0	
27 41 00 - Audio & V					
27-40-00	Audio-Video Communications				
4010	Enclosed Expo - Flatscreen Televisions	14.00 EA	750.00 /EA	10,500	
4010	Enclosed Expo - Projectors & Screens	2.00 EA	1,000.00 /EA	2,000	
4010	West Concessions Flatscreen Televisions	2.00 LS	750.00 /LS	1,500	
4010	Existing Arena PA/Loudspeaker Rough-in & Equipment	65,396.00 SF	2.00 /SF	130,792	
4010	Enclosed Expo PA/Loudspeaker Rough-in & Equipment	23,709.00 SF	2.00 /SF	47,418	
4010	Covered Expo Covered PA/Loudspeaker Rough-in & Equipment	23,515.00 SF	2.00 /SF	47,030	
4010	VE 06.01 - Targeted AV/PA Savings	-1.00 SF	50,000.00 /SF	(50,000)	
	Audio-Video Communications			189,240	
	27 41 00 - Audio & V			189,240	
31 00 00 - Earthwork					
02-41-13	Selective Site Demolition				
4000	Existing Asphalt Removal & Demo	42,038.00 SF	0.25 /SF	10,510	
4000	Existing Curb Removal & Demo	1,999.00 LF	0.50 /LF	1,000	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
	Selective Site Demolition			11,509	
31-14-13	Soil Stripping And Stockpiling				
4010	Soil Stripping And Stockpiling	4,765.00 CY	1.25 /CY	5,956	
	Soil Stripping And Stockpiling			5,956	
31-22-13	Rough Grading				
4010	Rough Grading	32,947.00 SY	1.25 /SY	41,184	
4010	VE C08.01 - Civil & Utilities Scope Adjustment	1.00 LS	945,691.00 /LS	945,691	
	Rough Grading			986,875	
31-22-16	Fine Grading				
4010	Site Fine Grading	32,947.00 SY	0.50 /SY	16,474	
4010	Respread Topsoil	1,824.00 CY	7.50 /CY	13,680	
	Fine Grading			30,154	
31-23-16	Excavation				
2010	5' Subgrade Remove/Replace @ East Ticket Building	170.00 CY	23.00 /CY	3,910	
2010	5' Subgrade Remove/Replace @ East Concessions Building	663.00 CY	23.00 /CY	15,249	
2010	5' Subgrade Remove/Replace @ West Concessions Building	1,081.00 CY	23.00 /CY	24,863	
2010	5' Subgrade Remove/Replace @ Covered Penning/Warm-up	1,620.00 CY	23.00 /CY	37,260	
2010	5' Subgrade Remove/Replace @ Expo Building	9,780.00 CY	23.00 /CY	224,940	
2010	5' Subgrade Remove/Replace @ Monument Sign	261.00 CY	23.00 /CY	6,003	
2010	VE A01.00 - 5' Subgrade Remove/Replace @ Covered Penning/Warm-up	-1,620.00 CY	23.00 /CY	(37,260)	
2010	VE A03.00 - 5' Subgrade Remove/Replace @ East Concessions Building	-663.00 CY	23.00 /CY	(15,249)	
2010	VE A04.02 - 5' Subgrade Remove/Replace @ Expo Building	-474.00 CY	23.00 /CY	(10,902)	
2010	VE C02.01 - 5' Subgrade Remove/Replace @ Monument Sign	-214.148 CY	23.00 /CY	(4,925)	
	Excavation			243,889	
	318.12 Labor hours				
31-32-13	Soil Mixing Stabilization				
4010	Lime Stabilization Under Site Paving	21,965.00 SY	3.00 /SY	65,895	
	Soil Mixing Stabilization			65,895	
32-11-23	Base Courses				
4010	Trailer Parking Area w/ 3" Flex Base	1,313.00 SY	10.00 /SY	13,130	
4010	VE C06.01 - Trailer Parking Area w/ 3" Flex Base	-1,313.00 SY	10.00 /SY	(13,130)	
32-12-16	Asphalt Paving				
4010	2 1/2" Paving w/ 9" Flex Base	1,980.00 SY	50.00 /SY	99,000	
4010	Crushed Base w/ Chip Seal Road Surface	9,078.00 SY	15.00 /SY	136,170	
4010	VE C09.01 - Crushed Base w/ Chip Seal Road Surface (inc. earthwork, lime stabilization, base, paving, drainage structures, etc.)	-1.00 LS	515,000.00 /LS	(515,000)	

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>	<u>Unit Cost</u>	<u>Amount</u>	
	Asphalt Paving			(279,830)	
32-15-40	Crushed Stone Surfacing				
4010	Crushed Stone Surfacing @ North Parking (existing to remain)				
32-18-00	Athletic And Recreational Surfacing				
4010	North Penning Crushed Base w/ Footing Mix Allowance	1,940.00 SY	45.00 /SY	87,300	
4010	6" Existing Arena Footing Mix Allowance	3,598.00 CF	25.00 /CF	89,950	
4010	VE A01.00 - North Penning Crushed Base w/ Footing Mix Allowance	-1,940.00 SY	45.00 /SY	(87,300)	
	Athletic And Recreational Surfacing			89,950	
33-47-26	Storm Drainage Ponds And Reservoirs				
4010	Retention Pond Expansion Allowance	1.00 EA	50,000.00 /EA	50,000	
	Storm Drainage Ponds And Reservoirs			50,000	
	31 00 00 - Earthwork			1,204,397	
	318.12 Labor hours				
32 13 00 - Ste. Conc					
31-63-29	Drilled Concrete Piers And Shafts				
4010	Light Pole Bases	18.00 EA	2,500.00 /EA	45,000	
	Drilled Concrete Piers And Shafts			45,000	
32-13-13	Concrete Paving				
4010	4" Sidewalk Paving	29,883.00 SF	5.25 /SF	156,886	
4010	6" Structural Paving @ Bldg. Drive Entrances	6,392.00 SF	6.25 /SF	39,950	
4010	6" Housekeeping Pads	289.00 SF	7.00 /SF	2,023	
	Concrete Paving			198,859	
32-16-13	Concrete Curbs And Gutters				
4010	Concrete Curbs And Gutters	634.00 LF	14.00 /LF	8,876	
4010	Concrete Ribbon Curbs	6,512.00 LF	12.00 /LF	78,144	
4010	VE C03.01 - Concrete Ribbon Curbs	-6,512.00 LF	12.00 /LF	(78,144)	
4010	VE C04.01 - Concrete Curbs And Gutters	-634.00 LF	14.00 /LF	(8,876)	
	32 13 00 - Ste. Conc			243,859	
32 17 00 - Pving Spec					
32-17-23	Pavement Markings				
4010	Fire Lane Striping	2,372.00 LF	0.25 /LF	593	
4010	Re-Stripe Existing Parking Lot (NIC)	0.00 LS			
	Pavement Markings			593	

				Total	
Item	Description	Takeoff Qty		Unit Cost	Amount
32 17 00 - Pving Spec					593
32 31 00 - Fencing &					
32-31-13	Chain Link Fences And Gates				
4010	8' Chain Link Fencing & Gates	955.00	LF	45.00 /LF	42,975
4010	VE C07.01 - 8' Chain Link Fencing & Gates	79.00	LF	45.00 /LF	3,555
	Chain Link Fences And Gates				46,530
32-31-19	Decorative Metal Fences And Gates				
4010	Arena Decorative Metal Fencing	79.00	LF	189.00 /LF	14,931
4010	VE C07.01 - Arena Decorative Metal Fencing	-79.00	LF	189.00 /LF	(14,931)
32 31 00 - Fencing &					46,530
32 90 00 - Landscape					
32-84-00	Planting Irrigation				
4010	Permanent Irrigation @ Sod Areas	61,675.00	SF	0.65 /SF	40,089
4010	Temporary Irrigation @ Hydromulch Areas	51,310.00	SF	0.12 /SF	6,157
	Planting Irrigation				46,246
32-92-13	Hydro-Mulching				
4010	Hydro-Mulching	51,310.00	SF	0.02 /SF	1,026
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	700.40 /LS	(700)
	Hydro-Mulching				326
32-92-23	Sodding				
4010	Bermuda Sod	61,675.00	SF	0.41 /SF	25,287
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	17,258.650 /LS	(17,259)
	Sodding				8,028
32-93-13	Ground Cover				
4010	Ground Cover Planting Allowance	1.00	EA	25,000.00 /EA	25,000
4010	VE C01.01 - Targeted Landscape Savings	-1.00	EA	17,062.75 /EA	(17,063)
	Ground Cover				7,937
32-93-43	Trees				
4010	6" Caliper Trees	17.00	EA	3,800.00 /EA	64,600
4010	VE C01.01 - Targeted Landscape Savings	-1.00	EA	44,090.45 /EA	(44,090)
	Trees				20,510
32-94-13	Landscape Edging				
4010	Landscape Edging	518.00	LF	7.00 /LF	3,626
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	2,474.81 /LS	(2,475)

				Total	
Item	Description	Takeoff Qty		Unit Cost	Amount
	Landscape Edging				1,151
32-96-00	Transplanting				
4010	Existing Tree Relocation Allowance	2.00	EA	2,500.00 /EA	5,000
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	3,412.59 /LS	(3,413)
	Transplanting				1,587
	32 90 00 - Landscape				85,785
	33 00 00 - Utilities				
33-01-00	Existing Utilities				
4010	Remove Existing Water Lines	797.00	LF	10.00 /LF	7,970
4010	Remove Existing Sanitary Lines	820.00	LF	10.00 /LF	8,200
	Existing Utilities				16,170
33-11-16	Site Water Utility Distribution Piping				
4010	8" DI Site Water Utility Distribution Piping	604.00	LF	76.00 /LF	45,904
4010	3" PVC Site Water Utility Distribution Piping	33.00	LF	10.00 /LF	330
4010	6" DI Fire Water Distribution Piping	64.00	LF	55.00 /LF	3,520
4010	3" PVC Domestic Water Piping for West Wash Bay	99.00	LF	10.00 /LF	990
4020	Site Water Fire Hydrants	2.00	EA	2,500.00 /EA	5,000
4030	2" Site Water Domestic Meter Assy	1.00	EA	10,000.00 /EA	10,000
4030	2" Site Water Domestic Meter for West Wash Bay	1.00	EA	10,000.00 /EA	10,000
	Site Water Utility Distribution Piping				75,744
33-31-13	Sanitary Utility Sewerage Piping				
4010	4.0' Precast Sanitary Manholes	1.00	EA	2,900.00 /EA	2,900
4010	8" SDR Sanitary Piping	209.00	LF	23.00 /LF	4,807
4010	10" SDR Sanitary Piping	40.00	LF	34.00 /LF	1,360
4010	4.0' Precast Sanitary Manholes for West Wash Bay	3.00	EA	2,900.00 /EA	8,700
4010	8" SDR Sanitary Piping for West Wash Bay	89.00	LF	23.00 /LF	2,047
4010	10" SDR Sanitary Piping for West Wash Bay	862.00	LF	34.00 /LF	29,308
	Sanitary Utility Sewerage Piping				49,122
	33 00 00 - Utilities				141,036

Estimate Totals

Description	Amount	Totals	Rate
	8,958,481	8,958,481	
Construction Mar Contingency	1,125,460		
Owner's Contingency	253,228		
Construction Mar Fee	640,904		6.200 %
Total		10,978,073	

*Williamson County Expo Center
Guaranteed Maximum Price (GMP) Proposal
July 16, 2015*

Architect

Populous, Inc.

Value By

Area / Building

Summary By Area / Building

<u>Description</u>	<u>Quantity</u>	Total	
		<u>Unit Cost</u>	<u>Amount</u>
01 EXPO BUILDIN			5,444,356
02 EXIST ARENA			704,834
04 EAST CONCESS			0
05 WEST CONCESS			738,611
07 COVERED PENN			
09 SITE			2,070,680

				Total	
Item	Description	Takeoff Qty		Unit Cost	Amount
01 EXPO BUILDIN					
01-00-02	Subcontractor Bonds				
9007.1	Expo Building - Subcontractor Bonds	1.00	LS	73,946.00 /LS	73,946
	Subcontractor Bonds				73,946
01-51-13	Temporary Electricity				
3005.4	Permanent Building Power	3.00	MO	6,000.00 /MO	18,000
3005.4	Construction Power	6.00	MO	800.00 /MO	4,800
	Temporary Electricity				22,800
01-57-16	Temporary Pest Control				
0010	Expo Building - Pre-Occupancy Extermination	49,485.00	SF	0.01 /SF	495
	Temporary Pest Control				495
01-71-23	Field Engineering				
0010	Expo Building - Survey & Layout	49,485.00	SF	0.15 /SF	7,423
	Field Engineering				7,423
01-74-13	Cleaning and Waste Management				
4010	Jobsite Forklift	6.00	MO	4,250.00 /MO	25,500
4010	General Clean-up Crew	6.00	MO	3,464.00 /MO	20,784
	Cleaning and Waste Management				46,284
	1,039.20 Labor hours				
01-74-19	Construction Waste Management And Disposal				
3022.1	Expo Building - Dumpster Service	49,485.00	SF	0.25 /SF	12,371
	Construction Waste Management And Disposal				12,371
01-74-23	Final Cleaning				
3092.2	Covered Expo Final Cleaning	24,019.00	SF	0.18 /SF	4,323
3092.2	Enclosed Expo Final Cleaning	23,742.00	SF	0.18 /SF	4,274
3092.2	East Ticket Office Final Cleaning	506.00	SF	0.18 /SF	91
3092.2	VE A04.02 - Covered Expo Storage Final Cleaning	-2,356.00	SF	0.18 /SF	(424)
	Final Cleaning				8,264
03-31-00	Structural Concrete				
2020	Enclosed Expo Footings & Grade Beams	181.00	CY	459.50 /CY	83,170
2020	Enclosed Expo 4" Slab-on-Grade	9,242.00	SF	5.421 /SF	50,102
2020	Enclosed Expo 6" Slab-on-Grade	15,871.00	SF	6.513 /SF	103,363
2020	Entry Canopy Column Footings	4.00	CY	600.00 /CY	2,400
2020	Covered Expo Footings & Grade Beams	74.00	CY	459.50 /CY	34,003
2020	Covered Expo 6" Slab-on-Grade	22,580.00	SF	6.513 /SF	147,056
2020	East Ticket Building Footings & Grade Beams	10.00	CY	459.50 /CY	4,595
2020	East Ticket Building 4" Slab-on-Grade	506.00	SF	5.421 /SF	2,743
2020	Manure Management Footings & Grade Beams	11.00	CY	459.50 /CY	5,055
2020	Manure Management Slab-on-Grade	934.00	SF	6.75 /SF	6,305
2020	Manure Management 10" CIP Walls	19.00	CY	600.00 /CY	11,400

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
03-31-00	Structural Concrete				
2020	Covered Expo Storage Footings & Grade Beams	21.00 CY	459.50 /CY	9,649	
2020	Covered Expo Storage 4" Slab-on-Grade	902.00 SF	5.421 /SF	4,890	
2020	Covered Expo Storage 6" Slab-on-Grade	1,454.00 SF	6.513 /SF	9,469	
2020	VE A04.02 - Covered Expo Storage Footings & Grade Beams	-21.00 CY	459.50 /CY	(9,649)	
2020	VE A04.02 - Covered Expo Storage 4" Slab-on-Grade	-902.00 SF	5.421 /SF	(4,890)	
2020	VE A04.02 - Covered Expo Storage 6" Slab-on-Grade	-1,454.00 SF	6.513 /SF	(9,469)	
2020	VE A16.01 - Manure Management Footings & Grade Beams	-11.00 CY	459.50 /CY	(5,054)	
2020	VE A16.01 - Manure Management Slab-on-Grade	-934.00 SF	6.75 /SF	(6,304)	
2020	VE A16.01 - Manure Management 10" CIP Walls	-19.00 CY	600.00 /CY	(11,400)	
2020	VE A16.01 - Manure Management Concrete Credit Adjustment	1.00 LS	8,547.00 /LS	8,547	
2020	VE S04.01 - Covered Expo 6" Slab-on-Grade	-1.00 SF	149,999.450 /SF	(149,999)	
	Structural Concrete			285,979	
04-22-00	Concrete Unit Masonry				
4020	Enclosed Expo 4" Split Faced CMU Veneer	5,240.00 SF	15.00 /SF	78,600	
4020	Enclosed Expo 4" Burnished CMU Veneer	660.00 SF	18.00 /SF	11,880	
4020	Enclosed Expo 8" Standard Grey CMU	7,435.00 SF	12.00 /SF	89,220	
4020	Covered Expo 12" Burnished CMU	290.00 SF	22.00 /SF	6,380	
4020	Covered Expo 12" Split Faced CMU	4,203.00 SF	19.00 /SF	79,857	
4020	Covered Expo 8" Split Faced CMU	2,957.00 SF	17.00 /SF	50,269	
4020	Manure Management Enclosed Expo 4" Split Faced CMU Veneer	687.00 SF	15.00 /SF	10,305	
4020	East Ticket 4" Burnished CMU Veneer	167.00 SF	18.00 /SF	3,006	
4020	VE A04.02 - Covered Expo Storage Area 8" Split Faced CMU	-2,949.00 SF	17.00 /SF	(50,133)	
4020	VE A16.01 - Manure Management Enclosed Expo 4" Split Faced CMU Veneer	-687.00 SF	15.00 /SF	(10,305)	
	Concrete Unit Masonry			269,079	
05-12-23	Structural Steel For Buildings				
4010	East Ticket Building Structural Steel & Decking Fabrication/Erection	1.50 TN	5,000.00 /TN	7,500	
4010	Enclosed Expo Structural Steel & Decking Fabrication/Erection	51.00 TN	5,000.00 /TN	255,000	
4010	Covered Expo Structural Steel & Decking Fabrication/Erection	5.20 TN	5,000.00 /TN	26,000	
4010	VE A04.02 - Covered Expo Structural Steel & Decking Fabrication/Erection	-5.20 TN	5,000.00 /TN	(26,000)	
	Structural Steel For Buildings			262,500	
05-15-16	Steel Wire Rope Assemblies				
4010	Enclosed Expo Fall Protection Cable System	889.00 LF	43.45 /LF	38,627	
4010	VE S03.01 - Enclosed Expo Fall Protection Cable System	-889.00 LF	43.45 /LF	(38,627)	
05-51-33	Metal Ladders				
4010	Enclosed Expo Ships Ladders	2.00 EA	4,000.00 /EA	8,000	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
	Metal Ladders				8,000
05-71-00	Miscellaneous Steel				
4010	Entry Trellis	7.00 TN	5,000.00 /TN		35,000
4010	Covered Expo Bollards - Fabricate & Deliver	23.00 EA	500.00 /EA		11,500
4010	Covered Expo Freeze Proof Hydrant Protection	2.00 EA	500.00 /EA		1,000
4010	Covered Expo Wash Rack	50.00 LF	150.00 /LF		7,500
4010	Transformer Screen Structure	42.00 LF	150.00 /LF		6,300
4010	VE A04.02 - Covered Expo Freeze Proof Hydrant Protection	-6.00 EA	500.00 /EA		(3,000)
4010	VE A04.02 - Covered Expo Wash Rack	-50.00 LF	150.00 /LF		(7,500)
4010	VE A13.01 - Transformer Screen Structure	-42.00 LF	150.00 /LF		(6,300)
	Miscellaneous Steel				44,500
06-10-53	Miscellaneous Rough Carpentry				
4010	East Ticket Building In-wall Blocking	391.00 GSF	1.65 /GSF		645
4010	Enclosed Expo In-wall Blocking	8,149.00 GSF	1.65 /GSF		13,446
	Miscellaneous Rough Carpentry				14,091
06-16-00	Sheathing				
4010	Enclosed Expo Fire Rated Plywood Sheathing & Elec, IDF, MDF	986.00 SF	3.00 /SF		2,958
	Sheathing				2,958
06-41-13	Plastic Laminate Faced Architectural Cabinets				
4010	Enclosed Expo Counter Support Structures	19.00 LF	100.00 /LF		1,900
4010	Enclosed Expo Base Cabinets	57.00 LF	315.00 /LF		17,955
4020	Enclosed Expo Upper Cabinets	23.00 LF	235.00 /LF		5,405
4020	Enclosed Expo Reception Deck Allowance	1.00 LS	15,000.00 /LS		15,000
	Plastic Laminate Faced Architectural Cabinets				40,260
06-42-13	Solid Lumber Paneling				
4010	Enclosed Expo WD-2 - Wood Ceilings	3,081.00 SF	56.00 /SF		172,536
4010	VE A10.02 - Omit WD-2 - Wood Ceilings @ Conference & Meeting Rooms	-1,212.00 SF	56.00 /SF		(67,872)
4010	VE A10.03 - Omit WD-2 - Wood Ceilings @ Vestibule & Prefunction Spaces	-1,504.00 SF	56.00 /SF		(84,224)
	Solid Lumber Paneling				20,440
06-61-19	Solid Surfacing Fabrications				
4010	Enclosed Expo Solid Surface Countertops	154.00 SF	80.00 /SF		12,320
	Solid Surfacing Fabrications				12,320
07-19-19	Silicone Water Repellents				
4010	Enclosed Expo Masonry Sealer	5,900.00 SF	0.50 /SF		2,950
4010	Covered Expo Masonry Sealer	7,450.00 SF	0.50 /SF		3,725
4010	Manure Management Masonry Sealer	687.00 SF	0.50 /SF		344
4010	East Ticket Masonry Sealer	167.00 SF	0.50 /SF		84
4010	VE A16.01 - Manure Management Masonry Sealer	-687.00 SF	0.50 /SF		(343)

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
	Silicone Water Repellents				6,759
07-27-26	Fluid-Applied Membrane Air Barriers				
4010	Enclosed Expo Fluid-Applied Membrane Air Barriers	6,339.00 SF	6.00 /SF		38,034
4010	East Ticket Fluid-Applied Membrane Air Barriers	1,335.00 SF	6.00 /SF		8,010
	Fluid-Applied Membrane Air Barriers				46,044
07-41-13	Metal Roof Panels				
4010	Enclosed Expo Standing Seam Roof System	5,502.00 SF	17.00 /SF		93,534
4010	Covered Expo Storage Standing Seam Roof System	2,485.00 SF	17.00 /SF		42,245
4010	East Ticket Building Standing Seam Roof System	881.00 SF	17.00 /SF		14,977
4010	VE A04.02 - Covered Expo Storage Standing Seam Roof System	-2,485.00 SF	17.00 /SF		(42,245)
	Metal Roof Panels				108,511
07-42-13	Metal Wall Panels				
4010	Enclosed Expo Premium Metal Wall Panels	1,696.00 SF	15.25 /SF		25,864
4010	Enclosed Expo Perforated Mechanical Screen @ Roof	735.00 SF	15.25 /SF		11,209
4010	Enclosed Expo Perforated Mechanical Screen @ Equipment Yard	552.00 SF	15.25 /SF		8,418
4010	East Ticket Building Premium Metal Wall Panels	857.00 SF	15.25 /SF		13,069
	Metal Wall Panels				58,560
07-42-93	Soffit Panels				
4010	Enclosed Expo Premium Metal Soffit Panels	923.00 SF	12.50 /SF		11,538
4010	East Ticket Building Premium Metal Soffit Panels	579.00 SF	12.50 /SF		7,238
	Soffit Panels				18,775
07-46-46	Mineral -Fiber Cement Siding				
4010	East Ticket Fiber Cement Panel	734.00 SF	15.25 /SF		11,194
4010	Enclosed Expo Fiber Cement Panel	1,515.00 SF	15.25 /SF		23,104
	Mineral -Fiber Cement Siding				34,297
07-54-23	Thermoplastic-Polyolefin Roofing				
4010	Enclosed Expo Thermoplastic-Polyolefin Roofing	3,630.00 SF	12.75 /SF		46,283
	Thermoplastic-Polyolefin Roofing				46,283
07-72-33	Roof Hatches				
4010	Enclosed Expo Roof Hatches	2.00 EA	3,000.00 /EA		6,000
	Roof Hatches				6,000
08-11-13	Hollow Metal Frames & Wood Doors				
4070	Enclosed Expo - 3'-0" x 7'-2" - Metal Frames w/ Wood Doors & Hardware	14.00 EA	2,025.00 /EA		28,350
4070	Enclosed Expo - 4'-0" x 7'-2" - Metal Frames w/ Wood Doors & Hardware	3.00 EA	2,125.00 /EA		6,375
4070	Enclosed Expo - 6'-0" x 7'-2" - Metal Frames w/ Wood Doors & Hardware	4.00 EA	3,975.00 /EA		15,900

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
	Hollow Metal Frames & Wood Doors				50,625
08-11-14	Hollow Metal Doors and Frames				
4010	Enclosed Expo - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	16.00 EA	1,989.00 /EA		31,824
4010	Enclosed Expo - 4'-0" x 7'-2" - Metal Frames & Doors/Hardware	1.00 EA	2,089.00 /EA		2,089
4010	Enclosed Expo - 6'-0" x 7'-2" - Metal Frames & Doors/Hardware	2.00 EA	3,825.00 /EA		7,650
4010	Enclosed Expo - 8'-0" x 7'-2" - Metal Frames & Doors/Hardware	1.00 EA	3,925.00 /EA		3,925
4010	Covered Expo - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	4.00 EA	1,989.00 /EA		7,956
4010	East Ticket - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	3.00 EA	1,989.00 /EA		5,967
4010	VE A04.02 - Covered Expo - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	-4.00 EA	1,989.00 /EA		(7,956)
	Hollow Metal Doors and Frames				51,455
08-33-13	Coiling Counter Doors				
4010	Enclosed Expo Overhead Coiling Counter Doors	2.00 EA	3,750.00 /EA		7,500
	Coiling Counter Doors				7,500
08-33-23	Overhead Coiling Doors				
4010	Enclosed Expo Overhead Coiling Doors	7.00 EA	8,000.00 /EA		56,000
4010	Covered Expo Overhead Coiling Doors	4.00 EA	3,500.00 /EA		14,000
4010	VE A04.02 - Covered Expo Overhead Coiling Doors	-4.00 EA	3,500.00 /EA		(14,000)
	Overhead Coiling Doors				56,000
08-43-13	Aluminum -Framed Storefronts				
4010	Enclosed Expo Punched Openings w/ Glass & Fins	207.00 SF	110.00 /SF		22,770
4010	Enclosed Expo Fiberglass Sandwich Panels	231.00 SF	96.28 /SF		22,241
	Aluminum -Framed Storefronts				45,011
08-44-13	Glazed Aluminum Curtain Walls				
4010	Enclosed Expo Glazed Aluminum Curtain Walls	718.00 SF	67.00 /SF		48,106
4010	Enclosed Expo Aluminum Doors	8.00 EA	4,500.00 /EA		36,000
4010	Aluminum Door - ADA Assist Swing Operators	2.00 EA	500.00 /EA		1,000
	Glazed Aluminum Curtain Walls				85,106
08-81-00	Glazing				
4010	Enclosed Expo Interior Sidelight Glazing	84.00 SF	15.00 /SF		1,260
4010	Enclosed Expo Door Glazing	24.00 SF	15.00 /SF		360
4010	Enclosed Expo Door Glazing (Narrow Lite)	5.00 EA	25.00 /EA		125
4010	Enclosed Expo Door Glazing (Center Lite)	2.00 EA	25.00 /EA		50
4010	Enclosed Expo Door Glazing (Narrow Lite)	5.00 EA	25.00 /EA		125
4010	East Ticket Building Door Glazing (Narrow Lite)	1.00 EA	25.00 /EA		25

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
Glazing				1,945	
08-83-13	Mirrored Glass Glazing				
4020	Enclosed Expo Unframed Mirrors	57.00 SF	15.00 /SF	855	
4020	Enclosed Expo Framed Mirror(s)	1.00 EA	110.00 /EA	110	
4020	East Ticket Building Framed Mirror(s)	6.00 EA	110.00 /EA	660	
Mirrored Glass Glazing				1,625	
09-21-16	Gypsum Board Assemblies				
4010	Enclosed Expo Drywall Framing & Sheathing	23,912.00 SF	10.35 /SF	247,489	
4010	East Ticket Building Drywall Framing & Sheathing	1,989.00 SF	0.48 /SF	955	
Gypsum Board Assemblies				248,444	
09-30-13	Ceramic Tiling				
4010	T1 - Pre-Function Tile	1,021.00 SF	21.25 /SF	21,696	
4010	T2 - Ceramic Tile	239.00 SF	17.00 /SF	4,063	
4010	T3 - Ceramic Tile	788.00 SF	17.00 /SF	13,396	
4010	T4 - Ceramic Tile	384.00 SF	17.00 /SF	6,528	
4010	T5- Ceramic Tile	178.00 SF	17.00 /SF	3,026	
Ceramic Tiling				48,709	
09-51-13	Acoustical Panel Ceilings				
4010	Enclosed Expo CL1 Acoustical Tile Ceilings	1,341.00 SF	3.50 /SF	4,694	
4010	Enclosed Expo CL3 Acoustical Tile Ceilings	2,080.00 SF	4.50 /SF	9,360	
4010	Enclosed Expo CL5 Acoustical Tile Ceilings	287.00 SF	5.50 /SF	1,579	
4010	East Ticket Building CL1 Acoustical Tile Ceilings	368.00 SF	4.50 /SF	1,656	
4010	VE A10.02 - Enclosed Expo CL1 Acoustical Tile Ceilings	1,212.00 SF	3.50 /SF	4,242	
4010	VE A10.03 - Specialty Decorative Ceiling Allowance	1,504.00 SF	10.00 /SF	15,040	
Acoustical Panel Ceilings				36,570	
09-65-13	Resilient Base & Accessories				
4020	Enclosed Expo RB-1 - Rubber Base	960.00 LF	1.65 /LF	1,584	
4020	Enclosed Expo RB-2 - Rubber Base	600.00 LF	1.65 /LF	990	
4020	East Ticket Building RB-1 - Rubber Base	120.00 LF	1.65 /LF	198	
Resilient Base & Accessories				2,772	
09-68-13	Tile Carpeting				
4010	Enclosed Expo C1 - Carpeting	113.62 SY	55.00 /SY	6,249	
4010	Enclosed Expo C2 - Carpeting	153.41 SY	58.00 /SY	8,898	
Tile Carpeting				15,147	
09-72-00	Wall Coverings				
4010	Enclosed Expo - Custom Graphic Wall Coverings	540.00 SF	20.00 /SF	10,800	
Wall Coverings				10,800	
09-77-13	Stretched-Fabric Wall Systems				
4020	Stretched-Fabric Wall Systems @ Reception 117	261.00 SF	35.00 /SF	9,135	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
Stretched-Fabric Wall Systems				9,135	
09-77-23	Fabric -Wrapped Panels				
4010	Enclosed Expo Fabric -Wrapped Panels	1,118.00	SF	18.25 /SF	20,404
Fabric -Wrapped Panels				20,404	
09-91-00	Painting				
4010	Enclosed Expo Interior & Exterior Painting	49,485.00	SF	2.87 /SF	142,022
Painting				142,022	
10-14-19	Dimensional Letter Signage				
4010	Enclosed Expo South Elevation Pin Mounted Letters	1.00	EA	18,510.00 /EA	18,510
4010	Enclosed Expo East Elevation Pin Mounted Letters	1.00	EA	5,036.00 /EA	5,036
4010	East Ticket Building - East Elevation Pin Mounted Letters	1.00	EA	2,324.00 /EA	2,324
Dimensional Letter Signage				25,870	
10-14-23	Panel Signage				
4010	Enclosed Expo Restroom Signs	3.00	EA	132.00 /EA	396
4010	Enclosed Expo Room Signs	35.00	EA	104.00 /EA	3,640
4010	Enclosed Expo Entrance Vinyl Signage	10.00	EA	150.00 /EA	1,500
4010	Enclosed Expo Allowance for Directional Signage	1.00	EA	5,000.00 /EA	5,000
Panel Signage				10,536	
10-21-13	Toilet Compartments				
4010	Enclosed Expo Toilet Compartments (Stainless Steel Floor Anchored)	11.00	EA	1,200.00 /EA	13,200
4010	Enclosed Expo Urinal Screens	3.00	EA	550.00 /EA	1,650
Toilet Compartments				14,850	
10-22-39	Folding Panel Partitions				
4010	Enclosed Expo Manual Folding Panel Partitions	2,214.00	SF	43.00 /SF	95,202
Folding Panel Partitions				95,202	
10-28-13	Toilet Accessories				
4040	Enclosed Expo - T01 - Paper Towel Dispenser/Receptacle	7.00	EA	350.00 /EA	2,450
4040	Enclosed Expo - T05 - Toilet Seat Protector	12.00	EA	200.00 /EA	2,400
4040	Enclosed Expo - T06 - Toilet Tissue Dispenser	12.00	EA	50.00 /EA	600
4040	Enclosed Expo - T07 - Horizontal Baby Station	3.00	EA	300.00 /EA	900
4040	Enclosed Expo - T09.42 - 42" Grab Bar	3.00	EA	80.00 /EA	240
4040	Enclosed Expo - T09.48 - 48" Grab Bar	7.00	EA	100.00 /EA	700
4040	Enclosed Expo - T09V - 18" Vertical Grab Bar	6.00	EA	60.00 /EA	360
4040	Enclosed Expo - T11 - Soap Dispenser	7.00	EA	80.00 /EA	560
4040	Enclosed Expo - T13 - 18"x36" Framed Mirror	3.00	EA	150.00 /EA	450
4040	Enclosed Expo - T15 - Sanitary Napkin Vendor	1.00	EA	615.00 /EA	615
4040	Enclosed Expo - T16 - Sanitary Napkin Receptacle	9.00	EA	270.00 /EA	2,430
4040	Enclosed Expo - T18 - Mop/Broom Holder	1.00	EA	150.00 /EA	150
4040	Enclosed Expo - T19 - Accessible Coat Hook	11.00	EA	39.00 /EA	429

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
10-28-13	Toilet Accessories				
4040	Enclosed Expo - T20 - Wall Mnt. Coat Hook	3.00 EA	39.00 /EA	117	
4040	Enclosed Expo - T21 - Shelf	1.00 EA	125.00 /EA	125	
	Toilet Accessories			12,526	
10-44-16	Fire Extinguishers				
4020	Enclosed Expo - Fire Extinguisher - Allowance	4.00 EA	315.00 /EA	1,260	
4020	Covered Expo Fire Extinguisher - Allowance	2.00 EA	315.00 /EA	630	
4020	East Ticket Building Fire Extinguisher - Allowance	1.00 EA	315.00 /EA	315	
4020	VE A14.01 - Covered Expo Fire Extinguisher - Allowance	-2.00 EA	315.00 /EA	(630)	
	Fire Extinguishers			1,575	
11-17-13	Teller Equipment Systems				
4010	East Ticket Building Ticket Transaction Windows	3.00 EA	5,858.00 /EA	17,574	
	Teller Equipment Systems			17,574	
11-44-00	Food Cooking Equipment				
4010	Freestanding Stainless Steel Counters	30.00 LF	150.00 /LF	4,500	
4010	3 Compartment Sink w/ Drying Area	1.00 EA	1,500.00 /EA	1,500	
4010	Cooler Relocation Allowance	1.00 EA	5,000.00 /EA	5,000	
4010	Foodservice Equipment (ref. FF&E)	0.00 EA			
	Food Cooking Equipment			11,000	
12-00-01	Furniture, Fixtures & Equipment				
4010	Furniture, Fixtures & Equipment (ref. FF&E)	0.00 LS			
4010	Soda System (by vendor)	0.00 LS			
4010	Scissor Lift Allowance (ref. FF&E)	0.00 LS			
12-21-13	Horizontal Louver Blinds				
4010	Enclosed Expo - Horizontal Louver Blinds @ Office Sidelights	8.00 EA	45.00 /EA	360	
	Horizontal Louver Blinds			360	
12-21-23	Roll-Down Blinds				
4010	Enclosed Expo - Manual Roller Shades	12.00 EA	175.00 /EA	2,100	
4010	Enclosed Expo - Manual Roller Shades	4.00 EA	175.00 /EA	700	
	Roll-Down Blinds			2,800	
12-21-26	Black-Out Blinds				
4010	Enclosed Expo - Black-Out Shades	4.00 SF	100.00 /SF	400	
	Black-Out Blinds			400	
12-36-16	Metal Countertops				
4010	Stainless Steel Countertops	56.00 SF	185.00 /SF	10,360	
	Metal Countertops			10,360	
12-48-13	Entrance Floor Mats And Frames				
4010	Enclosed Expo - Entrance Floor Mats And Frames	147.00 SF	102.00 /SF	14,994	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
	Entrance Floor Mats And Frames			14,994	
13-34-19	Metal Building Systems				
4010	Enclosed & Covered Expo Pre-Engineered Metal Building Systems	38,355.00 SF	25.42 /SF	974,984	
	Metal Building Systems			974,984	
21-13-13	Wet-Pipe Sprinkler Systems				
4010	Enclosed Expo - Expo Prefunction & Office Areas	8,526.00 GSF	4.80 /GSF	40,925	
	Wet-Pipe Sprinkler Systems			40,925	
21-13-16	Dry-Pipe Sprinkler Systems				
4010	Enclosed Expo Halls	15,618.00 GSF	1.74 /GSF	27,175	
4010	Covered Expo Halls	24,421.00 GSF	1.74 /GSF	42,493	
4010	VE A04.02 - Covered Expo Halls	-2,356.00 GSF	1.74 /GSF	(4,099)	
	Dry-Pipe Sprinkler Systems			65,568	
22-00-01	Plumbing General				
4020	Enclosed Expo Plumbing Systems	24,336.00 GSF	7.00 /GSF	170,352	
4020	Covered Expo Covered Expo Plumbing Systems	24,666.00 GSF	5.00 /GSF	123,330	
4020	VE A04.02 - Covered Expo Covered Expo Plumbing Systems	-2,356.00 GSF	5.00 /GSF	(11,780)	
	Plumbing General			281,902	
23-00-01	HVAC General				
4010	Enclosed Expo Mechanical Systems	24,336.00 GSF	16.00 /GSF	389,376	
4010	Covered Expo Covered Expo Mechanical Systems	24,666.00 GSF	2.50 /GSF	61,665	
4010	East Ticket Building Mechanical Systems	483.00 GSF	12.00 /GSF	5,796	
4010	VE M05.01 - Covered Expo Covered Expo Mechanical Systems	-24,666.00 GSF	1.25 /GSF	(30,833)	
	HVAC General			426,005	
23-34-13	Axial HVAC Fans				
4010	Covered Expo 18' Low Speed High Volume Fans	3.00 EA	6,500.00 /EA	19,500	
4010	Enclosed Expo - 18' Low Speed High Volume Fans	2.00 EA	6,500.00 /EA	13,000	
4010	VE M03.01 - Covered Expo 18' Low Speed High Volume Fans	-3.00 EA	6,500.00 /EA	(19,500)	
4010	VE M04.01 - Enclosed Expo - 18' Low Speed High Volume Fans	-2.00 EA	6,500.00 /EA	(13,000)	
26-00-01	Electrical General				
4010	Covered Expo Power & Lighting @ Covered Expo Building	24,666.00 SF	27.14 /SF	669,435	
4010	Power & Lighting @ Enclosed Expo Building	24,336.00 EA	12.42 /EA	302,253	
4010	East Ticket Building Power & Lighting	483.00 EA	25.00 /EA	12,075	
4010	VE A04.02 - Covered Expo Power & Lighting @ Covered Expo Building	-2,356.00 SF	27.14 /SF	(63,942)	
4010	VE E03.01 - Expo Lighting from LED to Fluorescent	-1.00 LS	60,000.00 /LS	(60,000)	

				Total	
Item	Description	Takeoff Qty		Unit Cost	Amount
	Electrical General				859,822
27-15-00	Communications Horizontal Cabling				
4010	Enclosed Expo Communications Horizontal Cabling (by Owner)	0.00	SF		
27-40-00	Audio-Video Communications				
4010	Enclosed Expo - Flatscreen Televisions	14.00	EA	750.00 /EA	10,500
4010	Enclosed Expo - Projectors & Screens	2.00	EA	1,000.00 /EA	2,000
4010	Enclosed Expo PA/Loudspeaker Rough-in & Equipment	23,709.00	SF	2.00 /SF	47,418
4010	Covered Expo Covered PA/Loudspeaker Rough-in & Equipment	23,515.00	SF	2.00 /SF	47,030
4010	VE 06.01 - Targeted AV/PA Savings	-1.00	SF	50,000.00 /SF	(50,000)
	Audio-Video Communications				56,948
31-23-16	Excavation				
2010	5' Subgrade Remove/Replace @ East Ticket Building	170.00	CY	23.00 /CY	3,910
2010	5' Subgrade Remove/Replace @ Expo Building	9,780.00	CY	23.00 /CY	224,940
2010	VE A04.02 - 5' Subgrade Remove/Replace @ Expo Building	-474.00	CY	23.00 /CY	(10,902)
	Excavation				217,948
	284.280 Labor hours				
31-63-29	Drilled Concrete Piers And Shafts				
4010	Drilled Piers at Entry Canopy Footings	120.00	VLF	100.00 /VLF	12,000
	Drilled Concrete Piers And Shafts				12,000
	01 EXPO BUILDIN				5,444,356
	1,323.48 Labor hours				
02 EXIST ARENA					
01-00-02	Subcontractor Bonds				
9007.1	Existing Arena - Subcontractor Bonds	1.00	LS	12,934.00 /LS	12,934
	Subcontractor Bonds				12,934
01-57-16	Temporary Pest Control				
0010	Existing Arena - Pre-Occupancy Extermination	61,587.00	SF	0.01 /SF	308
	Temporary Pest Control				308
01-71-23	Field Engineering				
0010	Existing Arena - Survey & Layout	61,587.00	SF	0.02 /SF	1,232
	Field Engineering				1,232
01-74-19	Construction Waste Management And Disposal				
3022.1	Existing Arena - Dumpster Service	61,587.00	SF	0.05 /SF	3,079

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
	Construction Waste Management And Disposal				3,079
01-74-23	Final Cleaning				
3092.2	Existing Arena Final Cleaning	62,379.00	SF	0.06 /SF	3,743
3092.2	Existing Arena Support Final Cleaning	3,517.00	SF	0.18 /SF	633
	Final Cleaning				4,376
02-41-13	Selective Site Demolition				
4000	Existing Masonry Wrap @ Exist Arena Column A-4	763.00	SF	7.00 /SF	5,341
4000	Existing Arena Column A-4 Footing Removal	1.00	EA	7,500.00 /EA	7,500
4000	Grade Beams for Windscreen Structures	22.00	EA	1,950.00 /EA	42,900
4000	VE A06.02 - Grade Beams for Windscreen Structures	-22.00	EA	1,950.00 /EA	(42,900)
	Selective Site Demolition				12,841
03-31-00	Structural Concrete				
2020	Arena Windscreen Footings	44.00	LS	459.50 /LS	20,218
	Structural Concrete				20,218
05-15-16	Steel Wire Rope Assemblies				
4010	Fall Protection Cable System	1,210.00	LF	43.45 /LF	52,575
4010	VE S02.01 - Fall Protection Cable System	-1,210.00	LF	43.45 /LF	(52,575)
05-71-00	Miscellaneous Steel				
4010	Existing Arena Windscreen Structures	29.00	TN	5,000.00 /TN	145,000
	Miscellaneous Steel				145,000
08-01-60	Door Restoration				
4010	Replace Hardware @ Existing Door	3.00	EA	1,000.00 /EA	3,000
4010	VE A14.01 - Replace Hardware @ Existing Door	-3.00	EA	1,000.00 /EA	(3,000)
09-30-13	Ceramic Tiling				
4010	T3 - Ceramic Tile	989.00	SF	17.00 /SF	16,813
4010	T4 - Ceramic Tile	261.00	SF	17.50 /SF	4,568
4010	VE A14.01 - T3 - Ceramic Tile	-989.00	SF	17.00 /SF	(16,813)
4010	VE A14.01 - T4 - Ceramic Tile	-261.00	SF	17.50 /SF	(4,567)
09-91-00	Painting				
4010	Existing Arena Interior & Exterior Painting	61,587.00	SF	1.00 /SF	61,587
4010	VE A09.01 - Existing Arena Interior & Exterior Painting	-61,587.00	SF	1.00 /SF	(61,587)
4010	VE A14.01 - Existing Arena Interior & Exterior Painting	-1.00	LS	750.00 /LS	(750)
	Painting				(750)
10-14-23	Panel Signage				
4010	Existing Arena - Restroom Signs	2.00	EA	132.00 /EA	264
4010	Existing Arena - Allowance for Directional Signage	1.00	EA	2,500.00 /EA	2,500
4010	VE A14.01 - Existing Arena - Restroom Signs	-2.00	EA	132.00 /EA	(264)

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	Panel Signage				2,500
10-28-13	Toilet Accessories				
4040	Enclosed Expo - T01 - Paper Towel Dispenser/Receptacle	2.00 EA	350.00 /EA		700
4040	Enclosed Expo - T05 - Toilet Seat Protector	2.00 EA	200.00 /EA		400
4040	Enclosed Expo - T06 - Toilet Tissue Dispenser	2.00 EA	50.00 /EA		100
4040	Enclosed Expo - T07 - Horizontal Baby Station	2.00 EA	300.00 /EA		600
4040	Enclosed Expo - T09.42 - 42" Grab Bar	2.00 EA	80.00 /EA		160
4040	Enclosed Expo - T09.48 - 48" Grab Bar	2.00 EA	100.00 /EA		200
4040	Enclosed Expo - T09V - 18" Vertical Grab Bar	2.00 EA	60.00 /EA		120
4040	Enclosed Expo - T11 - Soap Dispenser	2.00 EA	80.00 /EA		160
4040	Enclosed Expo - T13 - 18"x36" Framed Mirror	2.00 EA	150.00 /EA		300
4040	Enclosed Expo - T20 - Wall Mnt. Coat Hook	2.00 EA	39.00 /EA		78
4040	VE A14.01 - Enclosed Expo - T01 - Paper Towel Dispenser/Receptacle	-2.00 EA	350.00 /EA		(700)
4040	VE A14.01 - Enclosed Expo - T05 - Toilet Seat Protector	-2.00 EA	200.00 /EA		(400)
4040	VE A14.01 - Enclosed Expo - T06 - Toilet Tissue Dispenser	-2.00 EA	50.00 /EA		(100)
4040	VE A14.01 - Enclosed Expo - T07 - Horizontal Baby Station	-2.00 EA	300.00 /EA		(600)
4040	VE A14.01 - Enclosed Expo - T09.42 - 42" Grab Bar	-2.00 EA	80.00 /EA		(160)
4040	VE A14.01 - Enclosed Expo - T09.48 - 48" Grab Bar	-2.00 EA	100.00 /EA		(200)
4040	VE A14.01 - Enclosed Expo - T09V - 18" Vertical Grab Bar	-2.00 EA	60.00 /EA		(120)
4040	VE A14.01 - Enclosed Expo - T11 - Soap Dispenser	-2.00 EA	80.00 /EA		(160)
4040	VE A14.01 - Enclosed Expo - T13 - 18"x36" Framed Mirror	-2.00 EA	150.00 /EA		(300)
4040	VE A14.01 - Enclosed Expo - T20 - Wall Mnt. Coat Hook	-2.00 EA	39.00 /EA		(78)
10-44-16	Fire Extinguishers				
4020	Existing Arena Fire Extinguisher - Allowance	4.00 EA	315.00 /EA		1,260
	Fire Extinguishers				1,260
10-73-16	Canopies				
4010	Windscreens @ Existing Arena	7,905.00 SF	2.00 /SF		15,810
	Canopies				15,810
11-65-00	Athletic Equipment				
4010	Livestock Equipment Allowance (ref. FF&E)	0.00 SF			
12-00-01	Furniture, Fixtures & Equipment				
4010	Tractor Allowance (ref. FF&E)	0.00 LS			
13-34-16	Grandstands & Bleachers				
4010	Aluminum Bleachers (Re-use Existing)				

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
23-34-13	Axial HVAC Fans				
4010	Arena 24' Low Speed High Volume Fans	8.00 EA	7,500.00 /EA	60,000	
4010	VE M02.01 - Arena 24' Low Speed High Volume Fans	-8.00 EA	7,500.00 /EA	(60,000)	
26-00-01	Electrical General				
4010	Power & Lighting Revisions @ Existing Arena	61,587.00 EA	6.26 /EA	385,535	
4010	VE A14.01 - Power & Lighting Revisions @ Existing Arena	-1.00 LS	1,500.00 /LS	(1,500)	
4010	VE E01.01 - Targeted Exist Arena Exterior Light Savings	-1.00 LS	18,750.00 /LS	(18,750)	
4010	VE E02.01 - Targeted Exist Arena Interior Light Savings	-1.00 LS	100,000.00 /LS	(100,000)	
	Electrical General			265,285	
27-40-00	Audio-Video Communications				
4010	Existing Arena PA/Loudspeaker Rough-in & Equipment	65,396.00 SF	2.00 /SF	130,792	
	Audio-Video Communications			130,792	
32-18-00	Athletic And Recreational Surfacing				
4010	6" Existing Arena Footing Mix Allowance	3,598.00 CF	25.00 /CF	89,950	
	Athletic And Recreational Surfacing			89,950	
	02 EXIST ARENA			704,834	
04 EAST CONCESS					
01-00-02	Subcontractor Bonds				
9007.1	East Concessions - Subcontractor Bonds	1.00 LS	6,308.00 /LS	6,308	
9007.1	VE A03.00 - East Concessions - Subcontractor Bonds	-1.00 LS	6,308.00 /LS	(6,308)	
01-57-16	Temporary Pest Control				
0010	East Concessions - Pre-Occupancy Extermination	2,097.00 SF	0.01 /SF	21	
0010	VE A03.00 - East Concessions - Pre-Occupancy Extermination	-2,097.00 SF	0.01 /SF	(21)	
01-71-23	Field Engineering				
0010	East Concessions - Survey & Layout	2,097.00 SF	0.10 /SF	210	
0010	VE A03.00 - East Concessions - Survey & Layout	-2,097.00 SF	0.10 /SF	(210)	
01-74-19	Construction Waste Management And Disposal				
3022.1	East Concessions - Dumpster Service	2,097.00 SF	0.25 /SF	524	
3022.1	VE A03.00 - East Concessions - Dumpster Service	-2,097.00 SF	0.25 /SF	(524)	
01-74-23	Final Cleaning				
3092.2	East Concessions/Restroom Final Cleaning	2,356.00 SF	0.18 /SF	424	

Item	Description	Takeoff Qty		Total	
				Unit Cost	Amount
01-74-23	Final Cleaning				
3092.2	VE A03.00 - East Concessions/Restroom Final Cleaning	-2,356.00	SF	0.18 /SF	(424)
03-31-00	Structural Concrete				
2020	East Concessions Building Footings & Grade Beams	21.00	CY	459.50 /CY	9,650
2020	East Concessions Building 4" Slab-on-Grade	902.00	SF	5.421 /SF	4,890
2020	East Concessions Building 6" Slab-on-Grade	1,454.00	SF	6.513 /SF	9,469
2020	VE A03.00 - East Concessions Building Footings & Grade Beams	-21.00	CY	459.50 /CY	(9,649)
2020	VE A03.00 - East Concessions Building 4" Slab-on-Grade	-902.00	SF	5.421 /SF	(4,890)
2020	VE A03.00 - East Concessions Building 6" Slab-on-Grade	-1,454.00	SF	6.513 /SF	(9,469)
04-22-00	Concrete Unit Masonry				
4020	East Concession 8" Split Faced CMU	3,004.00	SF	17.00 /SF	51,068
4020	East Concession 8" Burnished CMU	1,000.00	SF	20.00 /SF	20,000
4020	East Concession 8" Grey Block CMU	3,308.00	SF	12.00 /SF	39,696
4020	VE A03.00 - East Concession 8" Split Faced CMU	-3,004.00	SF	17.00 /SF	(51,068)
4020	VE A03.00 - East Concession 8" Burnished CMU	-1,000.00	SF	20.00 /SF	(20,000)
4020	VE A03.00 - East Concession 8" Grey Block CMU	-3,308.00	SF	12.00 /SF	(39,696)
05-12-23	Structural Steel For Buildings				
4010	Structural Steel & Decking Fabrication/Erection	3.00	TN	5,000.00 /TN	15,000
4010	VE A03.00 - Structural Steel & Decking Fabrication/Erection	-3.00	TN	5,000.00 /TN	(15,000)
07-19-19	Silicone Water Repellents				
4010	East Concessions Masonry Sealer	4,004.00	SF	0.50 /SF	2,002
4010	VE A03.00 - East Concessions Masonry Sealer	-4,004.00	SF	0.50 /SF	(2,002)
07-42-93	Soffit Panels				
4010	Premium Metal Soffit Panels	344.00	SF	12.50 /SF	4,300
4010	VE A03.00 - Premium Metal Soffit Panels	-344.00	SF	12.50 /SF	(4,300)
07-46-46	Mineral -Fiber Cement Siding				
4010	East Concessions Fiber Cement Panel	312.00	SF	15.25 /SF	4,758
4010	VE A03.00 - East Concessions Fiber Cement Panel	-312.00	SF	15.25 /SF	(4,758)
07-54-23	Thermoplastic-Polyolefin Roofing				
4010	Thermoplastic-Polyolefin Roofing	2,302.00	SF	12.75 /SF	29,351
4010	VE A03.00 - Thermoplastic-Polyolefin Roofing	-2,302.00	SF	12.75 /SF	(29,351)
08-11-14	Hollow Metal Doors and Frames				
4010	East Concessions - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	6.00	EA	1,989.00 /EA	11,934
4010	VE A03.00 - East Concessions - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	-6.00	EA	1,989.00 /EA	(11,934)

				Total	
Item	Description	Takeoff Qty	Unit Cost	Unit Cost	Amount
08-33-13	Coiling Counter Doors				
4010	Overhead Coiling Counter Doors	2.00 EA	3,750.00 /EA		7,500
4010	VE A03.00 - Overhead Coiling Counter Doors	-2.00 EA	3,750.00 /EA		(7,500)
09-21-16	Gypsum Board Assemblies				
4010	Drywall Framing & Sheathing	1,989.00 SF	0.48 /SF		955
4010	VE A03.00 - Drywall Framing & Sheathing	-1,989.00 SF	0.48 /SF		(955)
09-30-13	Ceramic Tiling				
4010	T3 - Ceramic Tile	829.00 SF	17.00 /SF		14,093
4010	T4 - Ceramic Tile	260.00 SF	17.50 /SF		4,550
4010	VE A03.00 - T3 - Ceramic Tile	-829.00 SF	17.00 /SF		(14,093)
4010	VE A03.00 - T4 - Ceramic Tile	-260.00 SF	17.50 /SF		(4,550)
09-51-13	Acoustical Panel Ceilings				
4010	CL3 Acoustical Tile Ceilings	775.00 SF	4.50 /SF		3,488
4010	VE A03.00 - CL3 Acoustical Tile Ceilings	-775.00 SF	4.50 /SF		(3,487)
09-91-00	Painting				
4010	East Concessions Interior & Exterior Painting	2,097.00 SF	3.33 /SF		6,983
4010	VE A03.00 - East Concessions Interior & Exterior Painting	-2,097.00 SF	3.33 /SF		(6,983)
10-14-23	Panel Signage				
4010	East Concessions - Restroom Signs	2.00 EA	132.00 /EA		264
4010	East Concessions - Room Signs	6.00 EA	104.00 /EA		624
4010	East Concessions - Allowance for Directional Signage	1.00 EA	750.00 /EA		750
4010	VE A03.00 - East Concessions - Restroom Signs	-2.00 EA	132.00 /EA		(264)
4010	VE A03.00 - East Concessions - Room Signs	-6.00 EA	104.00 /EA		(624)
4010	VE A03.00 - East Concessions - Allowance for Directional Signage	-1.00 EA	750.00 /EA		(750)
10-21-13	Toilet Compartments				
4010	Toilet Compartments (Stainless Steel Floor Anchored)	15.00 EA	1,200.00 /EA		18,000
4010	Urinal Screens	3.00 EA	550.00 /EA		1,650
4010	VE A03.00 - Toilet Compartments (Stainless Steel Floor Anchored)	-15.00 EA	1,200.00 /EA		(18,000)
4010	VE A03.00 - Urinal Screens	-3.00 EA	550.00 /EA		(1,650)
10-28-13	Toilet Accessories				
4040	T01 - Paper Towel Dispenser/Receptacle	4.00 EA	350.00 /EA		1,400
4040	T05 - Toilet Seat Protector	15.00 EA	200.00 /EA		3,000
4040	T06 - Toilet Tissue Dispenser	15.00 EA	50.00 /EA		750
4040	T07 - Horizontal Baby Station	2.00 EA	300.00 /EA		600
4040	T09.42 - 42" Grab Bar	2.00 EA	80.00 /EA		160
4040	T09.48 - 48" Grab Bar	6.00 EA	100.00 /EA		600
4040	T09V - 18" Vertical Grab Bar	5.00 EA	60.00 /EA		300
4040	T11 - Soap Dispenser	4.00 EA	80.00 /EA		320
4040	T13 - 18"x36" Framed Mirror	6.00 EA	150.00 /EA		900
4040	T13 - 24"x72" Framed Mirror	1.00 EA	375.00 /EA		375

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
10-28-13	Toilet Accessories				
4040	T15 - Sanitary Napkin Vendor	1.00 EA	615.00 /EA	615	
4040	T16 - Sanitary Napkin Receptacle	13.00 EA	270.00 /EA	3,510	
4040	T18 - Mop/Broom Holder	1.00 EA	150.00 /EA	150	
4040	T19 - Accessible Coat Hook	15.00 EA	39.00 /EA	585	
4040	T20 - Wall Mnt. Coat Hook	3.00 EA	39.00 /EA	117	
4040	T21 - Shelf	1.00 EA	125.00 /EA	125	
4040	VE A03.00 - T01 - Paper Towel Dispenser/Receptacle	-4.00 EA	350.00 /EA	(1,400)	
4040	VE A03.00 - T05 - Toilet Seat Protector	-15.00 EA	200.00 /EA	(3,000)	
4040	VE A03.00 - T06 - Toilet Tissue Dispenser	-15.00 EA	50.00 /EA	(750)	
4040	VE A03.00 - T07 - Horizontal Baby Station	-2.00 EA	300.00 /EA	(600)	
4040	VE A03.00 - T09.42 - 42" Grab Bar	-2.00 EA	80.00 /EA	(160)	
4040	VE A03.00 - T09.48 - 48" Grab Bar	-6.00 EA	100.00 /EA	(600)	
4040	VE A03.00 - T09V - 18" Vertical Grab Bar	-5.00 EA	60.00 /EA	(300)	
4040	VE A03.00 - T11 - Soap Dispenser	-4.00 EA	80.00 /EA	(320)	
4040	VE A03.00 - T13 - 18"x36" Framed Mirror	-6.00 EA	150.00 /EA	(900)	
4040	VE A03.00 - T13 - 24"x72" Framed Mirror	-1.00 EA	375.00 /EA	(375)	
4040	VE A03.00 - T15 - Sanitary Napkin Vendor	-1.00 EA	615.00 /EA	(615)	
4040	VE A03.00 - T16 - Sanitary Napkin Receptacle	-13.00 EA	270.00 /EA	(3,510)	
4040	VE A03.00 - T18 - Mop/Broom Holder	-1.00 EA	150.00 /EA	(150)	
4040	VE A03.00 - T19 - Accessible Coat Hook	-15.00 EA	39.00 /EA	(585)	
4040	VE A03.00 - T20 - Wall Mnt. Coat Hook	-3.00 EA	39.00 /EA	(117)	
4040	VE A03.00 - T21 - Shelf	-1.00 EA	125.00 /EA	(125)	
10-44-16	Fire Extinguishers				
4020	Fire Extinguisher - Allowance	1.00 EA	315.00 /EA	315	
4020	VE A03.00 - Fire Extinguisher - Allowance	-1.00 EA	315.00 /EA	(315)	
11-44-00	Food Cooking Equipment				
4010	Freestanding Stainless Steel Counters	39.00 LF	150.00 /LF	5,850	
4010	3 Compartment Sink w/ Drying Area	1.00 EA	1,500.00 /EA	1,500	
4010	Foodservice Equipment (ref. FF&E)	0.00 EA			
4010	VE A03.00 - Freestanding Stainless Steel Counters	-39.00 LF	150.00 /LF	(5,850)	
4010	VE A03.00 - 3 Compartment Sink w/ Drying Area	-1.00 EA	1,500.00 /EA	(1,500)	
4010	Foodservice Equipment (ref. FF&E)	0.00 EA			
12-00-01	Furniture, Fixtures & Equipment				
4010	Soda System (by vendor)	0.00 LS			
4010	Soda System (by vendor)	0.00 LS			
12-36-16	Metal Countertops				
4010	Stainless Steel Countertops	77.00 SF	185.00 /SF	14,245	
4010	VE A03.00 - Stainless Steel Countertops	-77.00 SF	185.00 /SF	(14,245)	
22-00-01	Plumbing General				
4020	East Concessions Plumbing Systems	2,097.00 GSF	60.00 /GSF	125,820	
4020	VE A03.00 - East Concessions Plumbing Systems	-2,097.00 GSF	60.00 /GSF	(125,820)	
23-00-01	HVAC General				
4010	East Concessions Building Mechanical Systems	2,097.00 GSF	22.00 /GSF	46,134	
4010	VE A03.00 - East Concessions Building Mechanical Systems	-2,097.00 GSF	22.00 /GSF	(46,134)	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
26-00-01	Electrical General				
4010	Power & Lighting @ East Concessions	2,097.00 EA	24.04 /EA	50,412	
4010	VE A03.00 - Power & Lighting @ East Concessions	-2,097.00 EA	24.04 /EA	(50,412)	
27-42-13	Point of Sale Systems				
4010	East Concessions Point of Sale Systems Allowance (ref. FF&E)	0.00 0			
4010	East Concessions Point of Sale Systems Allowance (ref. FF&E)	0.00 0			
31-23-16	Excavation				
2010	5' Subgrade Remove/Replace @ East Concessions Building	663.00 CY	23.00 /CY	15,249	
2010	VE A03.00 - 5' Subgrade Remove/Replace @ East Concessions Building	-663.00 CY	23.00 /CY	(15,249)	
04 EAST CONCESS				0	
05 WEST CONCESS					
01-00-02	Subcontractor Bonds				
9007.1	West Concessions - Subcontractor Bonds	1.00 LS	8,716.00 /LS	8,716	
Subcontractor Bonds				8,716	
01-57-16	Temporary Pest Control				
0010	West Concessions - Pre-Occupancy Extermination	3,396.00 SF	0.01 /SF	34	
Temporary Pest Control				34	
01-71-23	Field Engineering				
0010	West Concessions - Survey & Layout	3,396.00 SF	0.10 /SF	340	
Field Engineering				340	
01-74-19	Construction Waste Management And Disposal				
3022.1	West Concessions - Dumpster Service	3,396.00 SF	0.25 /SF	849	
Construction Waste Management And Disposal				849	
01-74-23	Final Cleaning				
3092.2	West Concessions/Restroom Final Cleaning	3,428.00 SF	0.18 /SF	617	
Final Cleaning				617	
03-31-00	Structural Concrete				
2020	West Concessions Building Footings & Grade Beams	58.00 CY	459.50 /CY	26,651	
2020	West Concessions Building 4" Slab-on-Grade	3,428.00 SF	5.421 /SF	18,584	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
	Structural Concrete			45,235	
04-22-00	Concrete Unit Masonry				
4020	West Concessions Split Faced CMU	4,380.00 SF	15.00 /SF	65,700	
4020	West Concessions Burnished CMU	825.00 SF	20.00 /SF	16,500	
4020	West Concessions Standard Grey CMU	4,773.00 SF	13.00 /SF	62,049	
	Concrete Unit Masonry			144,249	
05-12-23	Structural Steel For Buildings				
4010	West Concessions Structural Steel & Decking Fabrication/Erection	4.80 TN	5,000.00 /TN	24,000	
	Structural Steel For Buildings			24,000	
05-71-00	Miscellaneous Steel				
4010	West Concessions Wash Rack	20.00 LF	150.00 /LF	3,000	
4010	West Concessions Freeze Proof Hydrant Protection	8.00 EA	500.00 /EA	4,000	
	Miscellaneous Steel			7,000	
06-16-00	Sheathing				
4010	West Concessions Fire Rated Plywood Sheathing & Elec, IDF, MDF	986.00 SF	3.00 /SF	2,958	
	Sheathing			2,958	
06-41-13	Plastic Laminate Faced Architectural Cabinets				
4010	West Concessions Counter Support Structures	22.00 LF	100.00 /LF	2,200	
	Plastic Laminate Faced Architectural Cabinets			2,200	
06-61-19	Solid Surfacing Fabrications				
4010	West Concessions Solid Surface Countertops	22.00 SF	80.00 /SF	1,760	
	Solid Surfacing Fabrications			1,760	
07-19-19	Silicone Water Repellents				
4010	West Concessions Masonry Sealer	5,205.00 SF	0.50 /SF	2,603	
	Silicone Water Repellents			2,603	
07-42-93	Soffit Panels				
4010	West Concessions Premium Metal Soffit Panels	413.00 SF	12.50 /SF	5,163	
	Soffit Panels			5,163	
07-46-46	Mineral -Fiber Cement Siding				
4010	West Concessions Cement Panel	357.00 SF	15.25 /SF	5,444	
	Mineral -Fiber Cement Siding			5,444	
07-54-23	Thermoplastic-Polyolefin Roofing				
4010	West Concessions Thermoplastic-Polyolefin Roofing	3,604.00 SF	12.75 /SF	45,951	

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
	Thermoplastic-Polyolefin Roofing				45,951
08-11-14	Hollow Metal Doors and Frames				
4010	West Concessions - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	14.00	EA	1,989.00 /EA	27,846
	Hollow Metal Doors and Frames				27,846
08-33-13	Coiling Counter Doors				
4010	West Concessions Overhead Coiling Counter Doors	2.00	EA	3,750.00 /EA	7,500
	Coiling Counter Doors				7,500
08-33-23	Overhead Coiling Doors				
4010	West Concessions Overhead Coiling Doors	1.00	EA	3,500.00 /EA	3,500
	Overhead Coiling Doors				3,500
08-43-13	Aluminum -Framed Storefronts				
4010	West Concessions Punched Openings w/ Glass & Fins	64.00	SF	110.00 /SF	7,040
4010	West Concessions 8'x2' Operable Window w/ Perf. Metal Panel	16.00	SF	50.00 /SF	800
	Aluminum -Framed Storefronts				7,840
08-83-13	Mirrored Glass Glazing				
4020	West Concessions Framed Mirror(s)	9.00	EA	110.00 /EA	990
	Mirrored Glass Glazing				990
09-21-16	Gypsum Board Assemblies				
4010	West Concessions Drywall Framing & Sheathing	3,218.00	SF	2.78 /SF	8,946
	Gypsum Board Assemblies				8,946
09-30-13	Ceramic Tiling				
4010	T3 - Ceramic Tile	989.00	SF	17.00 /SF	16,813
4010	T4 - Ceramic Tile	261.00	SF	17.50 /SF	4,568
	Ceramic Tiling				21,381
09-51-13	Acoustical Panel Ceilings				
4010	West Concessions CL1 Acoustical Tile Ceilings	467.00	SF	3.50 /SF	1,635
4010	West Concessions CL3 Acoustical Tile Ceilings	842.00	SF	4.50 /SF	3,789
	Acoustical Panel Ceilings				5,424
09-65-13	Resilient Base & Accessories				
4020	West Concessions RB-1 - Rubber Base	120.00	LF	1.65 /LF	198
4020	West Concessions RB-2 - Rubber Base	120.00	LF	1.65 /LF	198
	Resilient Base & Accessories				396
09-68-13	Tile Carpeting				
4010	West Concessions C2 - Carpeting	13.34	SY	58.00 /SY	774

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
	Tile Carpeting				774
09-91-00	Painting				
4010	West Concessions Interior & Exterior Painting	3,396.00 SF	5.74 /SF		19,493
	Painting				19,493
10-14-23	Panel Signage				
4010	West Concessions - Restroom Signs	4.00 EA	132.00 /EA		528
4010	West Concessions - Room Signs	10.00 EA	104.00 /EA		1,040
4010	West Concessions - Allowance for Directional Signage	1.00 EA	500.00 /EA		500
	Panel Signage				2,068
10-21-13	Toilet Compartments				
4010	West Concessions Toilet Compartments (Stainless Steel Floor Anchored)	15.00 EA	1,200.00 /EA		18,000
4010	West Concessions Urinal Screens	3.00 EA	550.00 /EA		1,650
	Toilet Compartments				19,650
10-28-13	Toilet Accessories				
4040	T01 - Paper Towel Dispenser/Receptacle	9.00 EA	350.00 /EA		3,150
4040	T05 - Toilet Seat Protector	18.00 EA	200.00 /EA		3,600
4040	T06 - Toilet Tissue Dispenser	18.00 EA	50.00 /EA		900
4040	T07 - Horizontal Baby Station	2.00 EA	300.00 /EA		600
4040	T09.42 - 42" Grab Bar	5.00 EA	80.00 /EA		400
4040	T09.48 - 48" Grab Bar	9.00 EA	100.00 /EA		900
4040	T09V - 18" Vertical Grab Bar	8.00 EA	60.00 /EA		480
4040	T11 - Soap Dispenser	7.00 EA	80.00 /EA		560
4040	T13 - 18"x36" Framed Mirror	9.00 EA	150.00 /EA		1,350
4040	T13 - 24"x72" Framed Mirror	1.00 EA	375.00 /EA		375
4040	T15 - Sanitary Napkin Vendor	1.00 EA	615.00 /EA		615
4040	T16 - Sanitary Napkin Receptacle	13.00 EA	270.00 /EA		3,510
4040	T18 - Mop/Broom Holder	1.00 EA	150.00 /EA		150
4040	T19 - Accessible Coat Hook	15.00 EA	39.00 /EA		585
4040	T20 - Wall Mnt. Coat Hook	3.00 EA	39.00 /EA		117
4040	T21 - Shelf	1.00 EA	125.00 /EA		125
	Toilet Accessories				17,417
10-44-16	Fire Extinguishers				
4020	West Concessions Fire Extinguisher - Allowance	1.00 EA	315.00 /EA		315
	Fire Extinguishers				315
11-44-00	Food Cooking Equipment				
4010	Freestanding Stainless Steel Counters	37.00 LF	150.00 /LF		5,550
4010	3 Compartment Sink w/ Drying Area	1.00 EA	1,500.00 /EA		1,500
4010	Foodservice Equipment (ref. FF&E)	0.00 EA			
	Food Cooking Equipment				7,050
12-00-01	Furniture, Fixtures & Equipment				
4010	Furniture, Fixtures & Equipment (ref. FF&E)	0.00 LS			
4010	Soda System (by vendor)	0.00 LS			

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
12-36-16	Metal Countertops				
4010	Stainless Steel Countertops	80.00 SF	185.00 /SF	14,800	
	Metal Countertops			14,800	
22-00-01	Plumbing General				
4020	West Concessions Plumbing Systems	3,396.00 GSF	33.00 /GSF	112,068	
	Plumbing General			112,068	
23-00-01	HVAC General				
4010	West Concessions Building Mechanical Systems	3,396.00 GSF	16.50 /GSF	56,034	
	HVAC General			56,034	
26-00-01	Electrical General				
4010	Power & Lighting @ West Concessions	3,396.00 EA	24.04 /EA	81,640	
	Electrical General			81,640	
27-40-00	Audio-Video Communications				
4010	West Concessions Flatscreen Televisions	2.00 LS	750.00 /LS	1,500	
	Audio-Video Communications			1,500	
27-42-13	Point of Sale Systems				
4010	West Concessions Point of Sale Systems Allowance (ref. FF&E)	0.00 EA			
31-23-16	Excavation				
2010	5' Subgrade Remove/Replace @ West Concessions Building	1,081.00 CY	23.00 /CY	24,863	
	Excavation			24,863	
	32.43 Labor hours				
	05 WEST CONCESS				738,611
	32.43 Labor hours				
07 COVERED PENN					
01-00-02	Subcontractor Bonds				
9007.1	Covered Penning - Subcontractor Bonds	1.00 LS	8,360.00 /LS	8,360	
9007.1	VE A01.00 - Covered Penning - Subcontractor Bonds	-1.00 LS	8,360.00 /LS	(8,360)	
01-57-16	Temporary Pest Control				
0010	Covered Penning - Pre-Occupancy Extermination	17,458.00 SF	0.02 /SF	279	
0010	VE A01.00 - Covered Penning - Pre-Occupancy Extermination	-17,458.00 SF	0.02 /SF	(279)	
01-71-23	Field Engineering				
0010	Covered Penning - Survey & Layout	17,458.00 SF	0.16 /SF	2,791	
0010	VE A01.00 - Covered Penning - Survey & Layout	-17,458.00 SF	0.16 /SF	(2,791)	

Item	Description	Takeoff Qty		Total	
				Unit Cost	Amount
01-74-19	Construction Waste Management And Disposal				
3022.1	Covered Penning - Dumpster Service	17,458.00	SF	0.16 /SF	2,791
3022.1	VE A01.00 - Covered Penning - Dumpster Service	-17,458.00	SF	0.16 /SF	(2,791)
03-31-00	Structural Concrete				
2020	Covered Penning Spread Footings	84.00	CY	459.50 /CY	38,598
2020	VE A01.00 - Covered Penning Spread Footings	-84.00	CY	459.50 /CY	(38,598)
05-15-16	Steel Wire Rope Assemblies				
4010	Fall Protection Cable System	463.00	LF	43.45 /LF	20,117
4010	VE A01.00 - Fall Protection Cable System	-463.00	LF	43.45 /LF	(20,117)
09-91-00	Painting				
4010	Covered Penning Interior & Exterior Painting	17,458.00	SF	1.151 /SF	20,093
4010	VE A01.00 - Covered Penning Interior & Exterior Painting	-17,458.00	SF	1.151 /SF	(20,093)
13-34-19	Metal Building Systems				
4010	Covered Penning Pre-Engineered Metal Building Systems	17,458.00	SF	12.88 /SF	224,859
4010	VE A01.00 - Covered Penning Pre-Engineered Metal Building Systems	-17,458.00	SF	12.88 /SF	(224,859)
21-13-16	Dry-Pipe Sprinkler Systems				
4010	Covered Penning Structure	17,458.00	GSF	2.56 /GSF	44,650
4010	VE A01.00 - Covered Penning Structure	-17,458.00	GSF	2.56 /GSF	(44,650)
22-00-01	Plumbing General				
4020	Covered Penning Plumbing Systems	17,458.00	GSF	0.80 /GSF	13,953
4020	VE A01.00 - Covered Penning Plumbing Systems	-17,458.00	GSF	0.80 /GSF	(13,953)
23-34-13	Axial HVAC Fans				
4010	Arena 24' Low Speed High Volume Fans	4.00	EA	7,500.00 /EA	30,000
4010	VE A01.00 - Arena 24' Low Speed High Volume Fans	-4.00	EA	7,500.00 /EA	(30,000)
26-00-01	Electrical General				
4010	Power & Lighting @ Covered Penning	17,458.00	SF	9.783 /SF	170,788
4010	VE A01.00 - Power & Lighting @ Covered Penning	-17,458.00	SF	9.783 /SF	(170,788)
31-23-16	Excavation				
2010	5' Subgrade Remove/Replace @ Covered Penning/Warm-up	1,620.00	CY	23.00 /CY	37,260
2010	VE A01.00 - 5' Subgrade Remove/Replace @ Covered Penning/Warm-up	-1,620.00	CY	23.00 /CY	(37,260)
32-18-00	Athletic And Recreational Surfacing				
4010	North Penning Crushed Base w/ Footing Mix Allowance	1,940.00	SY	45.00 /SY	87,300

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
32-18-00	Athletic And Recreational Surfacing				
4010	VE A01.00 - North Penning Crushed Base w/ Footing Mix Allowance	-1,940.00 SY	45.00 /SY	(87,300)	
	07 COVERED PENN			0	
09 SITE					
01-00-02	Subcontractor Bonds				
9007.1	Sitework - Subcontractor Bonds	1.00 LS	23,456.00 /LS	23,456	
	Subcontractor Bonds			23,456	
01-56-26	Temporary Fencing				
0020	Temporary Fencing (in ground)	8,336.00 LF	1.84 /LF	15,338	
	Temporary Fencing			15,338	
01-57-13	Temporary Erosion And Sediment Control				
0030	Tree Protection Fencing	247.00 LF	6.50 /LF	1,606	
0030	Construction Entrance	2.00 EA	2,800.00 /EA	5,600	
0030	Silt Fencing	3,100.00 LF	2.50 /LF	7,750	
	Temporary Erosion And Sediment Control			14,956	
01-71-23	Field Engineering				
0010	Sitework - Survey & Layout	1.00 LS	5,000.00 /LS	5,000	
	Field Engineering			5,000	
01-74-19	Construction Waste Management And Disposal				
3022.1	Sitework - Dumpster Service	1.00 LS	4,500.00 /LS	4,500	
	Construction Waste Management And Disposal			4,500	
02-41-13	Selective Site Demolition				
4000	Existing Restrooms & Concessions Demolition	2.00 EA	3,650.00 /EA	7,300	
4000	Existing Asphalt Removal & Demo	42,038.00 SF	0.25 /SF	10,510	
4000	Existing Curb Removal & Demo	1,999.00 LF	0.50 /LF	1,000	
4000	Existing Chain Link Fencing	1,676.00 EA	0.50 /EA	838	
4000	Existing Stage Structure	2,817.00 SF	1.75 /SF	4,930	
	Selective Site Demolition			24,577	
03-31-00	Structural Concrete				
2020	Monument Sign Footings	17.00 CY	459.50 /CY	7,811	
2020	Monument Sign Slab-on-Grade (4")	786.00 SF	5.421 /SF	4,261	
2020	Relocated Entry Gate Footing	1.00 LS	5,500.00 /LS	5,500	
2020	VE C02.01 - Monument Sign Footings	-13.947 CY	459.53 /CY	(6,409)	
2020	VE C02.01 - Monument Sign Slab-on-Grade (4")	-645.037 SF	5.42 /SF	(3,496)	
	Structural Concrete			7,667	
04-22-00	Concrete Unit Masonry				
4020	Monument Sign Split Faced CMU	502.00 SF	17.00 /SF	8,534	
4020	Monument Sign Cast Stone Cap	719.00 SF	45.00 /SF	32,355	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
04-22-00	Concrete Unit Masonry				
4020	Monument Sign Sand Fill	107.00 CY	50.00 /CY	5,350	
4020	VE C02.01 - Monument Sign Split Faced CMU	-411.885 SF	17.00 /SF	(7,002)	
4020	VE C02.01 - Monument Sign Cast Stone Cap	-589.93 SF	45.00 /SF	(26,547)	
4020	VE C02.01 - Monument Sign Sand Fill	-87.79 CY	50.00 /CY	(4,390)	
	Concrete Unit Masonry			8,300	
05-71-00	Miscellaneous Steel				
4010	Bollards - Fabricate & Deliver	5.00 EA	500.00 /EA	2,500	
4010	Monument Sign Structure	1.00 LS	5,000.00 /LS	5,000	
4010	VE C02.01 - Monument Sign Structure	-0.82 LS	5,002.44 /LS	(4,102)	
	Miscellaneous Steel			3,398	
07-19-19	Silicone Water Repellents				
4010	Monument Sign Masonry Sealer	502.00 SF	0.50 /SF	251	
4010	VE C02.01 - Monument Sign Masonry Sealer	-411.885 SF	0.501 /SF	(206)	
	Silicone Water Repellents			45	
07-42-13	Metal Wall Panels				
4010	Perforated Mechanical Screen @ Transformer Screen	552.00 SF	15.25 /SF	8,418	
4010	VE A13.01 - Perforated Mechanical Screen @ Transformer Screen	-552.00 SF	15.25 /SF	(8,418)	
10-14-19	Dimensional Letter Signage				
4010	Monument Sign - Pin Mounted Letters	1.00 EA	16,307.00 /EA	16,307	
4010	VE C02.01 - Monument Sign - Pin Mounted Letters	-0.82 EA	16,316.48 /EA	(13,380)	
	Dimensional Letter Signage			2,927	
26-00-01	Electrical General				
4010	Relocate Pole Lights w/ New Base(s)	3.00 EA	3,400.00 /EA	10,200	
4010	Power, Lighting & Gear @ Site	1.00 EA	622,385.00 /EA	622,385	
4010	VE E05.01 - Alum. Main Feeder vs. Copper	-1.00 LS	50,000.00 /LS	(50,000)	
	Electrical General			582,585	
31-14-13	Soil Stripping And Stockpiling				
4010	Soil Stripping And Stockpiling	4,765.00 CY	1.25 /CY	5,956	
	Soil Stripping And Stockpiling			5,956	
31-22-13	Rough Grading				
4010	Rough Grading	32,947.00 SY	1.25 /SY	41,184	
4010	VE C08.01 - Civil & Utilities Scope Adjustment	1.00 LS	945,691.00 /LS	945,691	
	Rough Grading			986,875	
31-22-16	Fine Grading				
4010	Site Fine Grading	32,947.00 SY	0.50 /SY	16,474	
4010	Respread Topsoil	1,824.00 CY	7.50 /CY	13,680	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
	Fine Grading			30,154	
31-23-16	Excavation				
2010	5' Subgrade Remove/Replace @ Monument Sign	261.00 CY	23.00 /CY	6,003	
2010	VE C02.01 - 5' Subgrade Remove/Replace @ Monument Sign	-214.148 CY	23.00 /CY	(4,925)	
	Excavation			1,078	
	1.41 Labor hours				
31-32-13	Soil Mixing Stabilization				
4010	Lime Stabilization Under Site Paving	21,965.00 SY	3.00 /SY	65,895	
	Soil Mixing Stabilization			65,895	
31-63-29	Drilled Concrete Piers And Shafts				
4010	Light Pole Bases	18.00 EA	2,500.00 /EA	45,000	
	Drilled Concrete Piers And Shafts			45,000	
32-11-23	Base Courses				
4010	Trailer Parking Area w/ 3" Flex Base	1,313.00 SY	10.00 /SY	13,130	
4010	VE C06.01 - Trailer Parking Area w/ 3" Flex Base	-1,313.00 SY	10.00 /SY	(13,130)	
32-12-16	Asphalt Paving				
4010	2 1/2" Paving w/ 9" Flex Base	1,980.00 SY	50.00 /SY	99,000	
4010	Crushed Base w/ Chip Seal Road Surface	9,078.00 SY	15.00 /SY	136,170	
4010	VE C09.01 - Crushed Base w/ Chip Seal Road Surface (inc. earthwork, lime stabilization, base, paving, drainage structures, etc.)	-1.00 LS	515,000.00 /LS	(515,000)	
	Asphalt Paving			(279,830)	
32-13-13	Concrete Paving				
4010	4" Sidewalk Paving	29,883.00 SF	5.25 /SF	156,886	
4010	6" Structural Paving @ Bldg. Drive Entrances	6,392.00 SF	6.25 /SF	39,950	
4010	6" Housekeeping Pads	289.00 SF	7.00 /SF	2,023	
	Concrete Paving			198,859	
32-15-40	Crushed Stone Surfacing				
4010	Crushed Stone Surfacing @ North Parking (existing to remain)				
32-16-13	Concrete Curbs And Gutters				
4010	Concrete Curbs And Gutters	634.00 LF	14.00 /LF	8,876	
4010	Concrete Ribbon Curbs	6,512.00 LF	12.00 /LF	78,144	
4010	VE C03.01 - Concrete Ribbon Curbs	-6,512.00 LF	12.00 /LF	(78,144)	
4010	VE C04.01 - Concrete Curbs And Gutters	-634.00 LF	14.00 /LF	(8,876)	
32-17-23	Pavement Markings				
4010	Fire Lane Striping	2,372.00 LF	0.25 /LF	593	
4010	Re-Stripe Existing Parking Lot (NIC)	0.00 LS			

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	Pavement Markings				593
32-31-13	Chain Link Fences And Gates				
4010	8' Chain Link Fencing & Gates	955.00	LF	45.00 /LF	42,975
4010	VE C07.01 - 8' Chain Link Fencing & Gates	79.00	LF	45.00 /LF	3,555
	Chain Link Fences And Gates				46,530
32-31-19	Decorative Metal Fences And Gates				
4010	Arena Decorative Metal Fencing	79.00	LF	189.00 /LF	14,931
4010	VE C07.01 - Arena Decorative Metal Fencing	-79.00	LF	189.00 /LF	(14,931)
32-84-00	Planting Irrigation				
4010	Permanent Irrigation @ Sod Areas	61,675.00	SF	0.65 /SF	40,089
4010	Temporary Irrigation @ Hydromulch Areas	51,310.00	SF	0.12 /SF	6,157
	Planting Irrigation				46,246
32-92-13	Hydro-Mulching				
4010	Hydro-Mulching	51,310.00	SF	0.02 /SF	1,026
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	700.40 /LS	(700)
	Hydro-Mulching				326
32-92-23	Sodding				
4010	Bermuda Sod	61,675.00	SF	0.41 /SF	25,287
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	17,258.650 /LS	(17,259)
	Sodding				8,028
32-93-13	Ground Cover				
4010	Ground Cover Planting Allowance	1.00	EA	25,000.00 /EA	25,000
4010	VE C01.01 - Targeted Landscape Savings	-1.00	EA	17,062.75 /EA	(17,063)
	Ground Cover				7,937
32-93-43	Trees				
4010	6" Caliper Trees	17.00	EA	3,800.00 /EA	64,600
4010	VE C01.01 - Targeted Landscape Savings	-1.00	EA	44,090.45 /EA	(44,090)
	Trees				20,510
32-94-13	Landscape Edging				
4010	Landscape Edging	518.00	LF	7.00 /LF	3,626
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	2,474.81 /LS	(2,475)
	Landscape Edging				1,151
32-96-00	Transplanting				
4010	Existing Tree Relocation Allowance	2.00	EA	2,500.00 /EA	5,000
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	3,412.59 /LS	(3,413)
	Transplanting				1,587
33-01-00	Existing Utilities				
4010	Remove Existing Water Lines	797.00	LF	10.00 /LF	7,970
4010	Remove Existing Sanitary Lines	820.00	LF	10.00 /LF	8,200

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>		<u>Unit Cost</u>	<u>Amount</u>
	Existing Utilities				16,170
33-11-16	Site Water Utility Distribution Piping				
4010	8" DI Site Water Utility Distribution Piping	604.00	LF	76.00 /LF	45,904
4010	3" PVC Site Water Utility Distribution Piping	33.00	LF	10.00 /LF	330
4010	6" DI Fire Water Distribution Piping	64.00	LF	55.00 /LF	3,520
4010	3" PVC Domestic Water Piping for West Wash Bay	99.00	LF	10.00 /LF	990
4020	Site Water Fire Hydrants	2.00	EA	2,500.00 /EA	5,000
4030	2" Site Water Domestic Meter Assy	1.00	EA	10,000.00 /EA	10,000
4030	2" Site Water Domestic Meter for West Wash Bay	1.00	EA	10,000.00 /EA	10,000
	Site Water Utility Distribution Piping				75,744
33-31-13	Sanitary Utility Sewerage Piping				
4010	4.0' Precast Sanitary Manholes	1.00	EA	2,900.00 /EA	2,900
4010	8" SDR Sanitary Piping	209.00	LF	23.00 /LF	4,807
4010	10" SDR Sanitary Piping	40.00	LF	34.00 /LF	1,360
4010	4.0' Precast Sanitary Manholes for West Wash Bay	3.00	EA	2,900.00 /EA	8,700
4010	8" SDR Sanitary Piping for West Wash Bay	89.00	LF	23.00 /LF	2,047
4010	10" SDR Sanitary Piping for West Wash Bay	862.00	LF	34.00 /LF	29,308
	Sanitary Utility Sewerage Piping				49,122
33-47-26	Storm Drainage Ponds And Reservoirs				
4010	Retention Pond Expansion Allowance	1.00	EA	50,000.00 /EA	50,000
	Storm Drainage Ponds And Reservoirs				50,000
	09 SITE				2,070,680
	1.41 Labor hours				

Estimate Totals

Description	Amount	Totals	Rate
	8,958,481	8,958,481	
Construction Mar Contingency	1,125,460		
Owner's Contingency	253,228		
Construction Mar Fee	640,904		6.200 %
Total		10,978,073	

*Williamson County Expo Center
Guaranteed Maximum Price (GMP) Proposal
July 16, 2015*

Architect

Populous, Inc.

Value By

**Construction Specifications
Institute (CSI) Divisions**

Summary By CSI Division

		Total	
<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Amount</u>
01-00-02	Subcontractor Bonds		119,052
01-51-13	Temporary Electricity		22,800
01-56-26	Temporary Fencing		15,338
01-57-13	Temporary Erosion And Sediment Control		14,956
01-57-16	Temporary Pest Control		837
01-71-23	Field Engineering		13,994
01-74-13	Cleaning and Waste Management		46,284
01-74-19	Construction Waste Management And Disposal		20,800
01-74-23	Final Cleaning		13,257
02-41-13	Selective Site Demolition		37,418
03-31-00	Structural Concrete		359,099
04-22-00	Concrete Unit Masonry		421,628
05-12-23	Structural Steel For Buildings		286,500
05-15-16	Steel Wire Rope Assemblies		0
05-51-33	Metal Ladders		8,000
05-71-00	Miscellaneous Steel		199,898
06-10-53	Miscellaneous Rough Carpentry		14,091
06-16-00	Sheathing		5,916
06-41-13	Plastic Laminate Faced Architectural Cabinets		42,460
06-42-13	Solid Lumber Paneling		20,440
06-61-19	Solid Surfacing Fabrications		14,080
07-19-19	Silicone Water Repellents		9,406
07-27-26	Fluid-Applied Membrane Air Barriers		46,044
07-41-13	Metal Roof Panels		108,511
07-42-13	Metal Wall Panels		58,560
07-42-93	Soffit Panels		23,938
07-46-46	Mineral -Fiber Cement Siding		39,742
07-54-23	Thermoplastic-Polyolefin Roofing		92,234
07-72-33	Roof Hatches		6,000
08-01-60	Door Restoration		
08-11-13	Hollow Metal Frames & Wood Doors		50,625
08-11-14	Hollow Metal Doors and Frames		79,301
08-33-13	Coiling Counter Doors		15,000
08-33-23	Overhead Coiling Doors		59,500
08-43-13	Aluminum -Framed Storefronts		52,851
08-44-13	Glazed Aluminum Curtain Walls		85,106
08-81-00	Glazing		1,945
08-83-13	Mirrored Glass Glazing		2,615
09-21-16	Gypsum Board Assemblies		257,390
09-30-13	Ceramic Tiling		70,090
09-51-13	Acoustical Panel Ceilings		41,994
09-65-13	Resilient Base & Accessories		3,168
09-68-13	Tile Carpeting		15,921
09-72-00	Wall Coverings		10,800
09-77-13	Stretched-Fabric Wall Systems		9,135
09-77-23	Fabric -Wrapped Panels		20,404
09-91-00	Painting		160,765
10-14-19	Dimensional Letter Signage		28,797
10-14-23	Panel Signage		15,104
10-21-13	Toilet Compartments		34,500
10-22-39	Folding Panel Partitions		95,202
10-28-13	Toilet Accessories		29,943
10-44-16	Fire Extinguishers		3,150
10-73-16	Canopies		15,810
11-17-13	Teller Equipment Systems		17,574
11-44-00	Food Cooking Equipment		18,050

		Total	
<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Amount</u>
11-65-00	Athletic Equipment		
12-00-01	Furniture, Fixtures & Equipment		
12-21-13	Horizontal Louver Blinds		360
12-21-23	Roll-Down Blinds		2,800
12-21-26	Black-Out Blinds		400
12-36-16	Metal Countertops		25,160
12-48-13	Entrance Floor Mats And Frames		14,994
13-34-16	Grandstands & Bleachers		
13-34-19	Metal Building Systems		974,984
21-13-13	Wet-Pipe Sprinkler Systems		40,925
21-13-16	Dry-Pipe Sprinkler Systems		65,568
22-00-01	Plumbing General		393,970
23-00-01	HVAC General		482,039
23-34-13	Axial HVAC Fans		
26-00-01	Electrical General		1,789,331
27-15-00	Communications Horizontal Cabling		
27-40-00	Audio-Video Communications		189,240
27-42-13	Point of Sale Systems		
31-14-13	Soil Stripping And Stockpiling		5,956
31-22-13	Rough Grading		986,875
31-22-16	Fine Grading		30,154
31-23-16	Excavation		243,889
31-32-13	Soil Mixing Stabilization		65,895
31-63-29	Drilled Concrete Piers And Shafts		57,000
32-11-23	Base Courses		
32-12-16	Asphalt Paving		(279,830)
32-13-13	Concrete Paving		198,859
32-15-40	Crushed Stone Surfacing		
32-16-13	Concrete Curbs And Gutters		
32-17-23	Pavement Markings		593
32-18-00	Athletic And Recreational Surfacing		89,950
32-31-13	Chain Link Fences And Gates		46,530
32-31-19	Decorative Metal Fences And Gates		
32-84-00	Planting Irrigation		46,246
32-92-13	Hydro-Mulching		326
32-92-23	Sodding		8,028
32-93-13	Ground Cover		7,937
32-93-43	Trees		20,510
32-94-13	Landscape Edging		1,151
32-96-00	Transplanting		1,587
33-01-00	Existing Utilities		16,170
33-11-16	Site Water Utility Distribution Piping		75,744
33-31-13	Sanitary Utility Sewerage Piping		49,122
33-47-26	Storm Drainage Ponds And Reservoirs		50,000

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
01-00-02	Subcontractor Bonds				
9007.1	Expo Building - Subcontractor Bonds	1.00 LS	73,946.00 /LS	73,946	
9007.1	Existing Arena - Subcontractor Bonds	1.00 LS	12,934.00 /LS	12,934	
9007.1	East Concessions - Subcontractor Bonds	1.00 LS	6,308.00 /LS	6,308	
9007.1	West Concessions - Subcontractor Bonds	1.00 LS	8,716.00 /LS	8,716	
9007.1	Covered Penning - Subcontractor Bonds	1.00 LS	8,360.00 /LS	8,360	
9007.1	Sitework - Subcontractor Bonds	1.00 LS	23,456.00 /LS	23,456	
9007.1	VE A01.00 - Covered Penning - Subcontractor Bonds	-1.00 LS	8,360.00 /LS	(8,360)	
9007.1	VE A03.00 - East Concessions - Subcontractor Bonds	-1.00 LS	6,308.00 /LS	(6,308)	
	Subcontractor Bonds			119,052	
01-51-13	Temporary Electricity				
3005.4	Permanent Building Power	3.00 MO	6,000.00 /MO	18,000	
3005.4	Construction Power	6.00 MO	800.00 /MO	4,800	
	Temporary Electricity			22,800	
01-56-26	Temporary Fencing				
0020	Temporary Fencing (in ground)	8,336.00 LF	1.84 /LF	15,338	
	Temporary Fencing			15,338	
01-57-13	Temporary Erosion And Sediment Control				
0030	Tree Protection Fencing	247.00 LF	6.50 /LF	1,606	
0030	Construction Entrance	2.00 EA	2,800.00 /EA	5,600	
0030	Silt Fencing	3,100.00 LF	2.50 /LF	7,750	
	Temporary Erosion And Sediment Control			14,956	
01-57-16	Temporary Pest Control				
0010	Expo Building - Pre-Occupancy Extermination	49,485.00 SF	0.01 /SF	495	
0010	Existing Arena - Pre-Occupancy Extermination	61,587.00 SF	0.01 /SF	308	
0010	East Concessions - Pre-Occupancy Extermination	2,097.00 SF	0.01 /SF	21	
0010	West Concessions - Pre-Occupancy Extermination	3,396.00 SF	0.01 /SF	34	
0010	Covered Penning - Pre-Occupancy Extermination	17,458.00 SF	0.02 /SF	279	
0010	VE A01.00 - Covered Penning - Pre-Occupancy Extermination	-17,458.00 SF	0.02 /SF	(279)	
0010	VE A03.00 - East Concessions - Pre-Occupancy Extermination	-2,097.00 SF	0.01 /SF	(21)	
	Temporary Pest Control			837	
01-71-23	Field Engineering				
0010	Expo Building - Survey & Layout	49,485.00 SF	0.15 /SF	7,423	
0010	Existing Arena - Survey & Layout	61,587.00 SF	0.02 /SF	1,232	
0010	East Concessions - Survey & Layout	2,097.00 SF	0.10 /SF	210	
0010	West Concessions - Survey & Layout	3,396.00 SF	0.10 /SF	340	
0010	Covered Penning - Survey & Layout	17,458.00 SF	0.16 /SF	2,791	
0010	Sitework - Survey & Layout	1.00 LS	5,000.00 /LS	5,000	
0010	VE A01.00 - Covered Penning - Survey & Layout	-17,458.00 SF	0.16 /SF	(2,791)	
0010	VE A03.00 - East Concessions - Survey & Layout	-2,097.00 SF	0.10 /SF	(210)	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
Field Engineering				13,994	
01-74-13	Cleaning and Waste Management				
4010	Jobsite Forklift	6.00	MO	4,250.00 /MO	25,500
4010	General Clean-up Crew	6.00	MO	3,464.00 /MO	20,784
Cleaning and Waste Management				46,284	
	1,039.20 Labor hours				
01-74-19	Construction Waste Management And Disposal				
3022.1	Expo Building - Dumpster Service	49,485.00	SF	0.25 /SF	12,371
3022.1	Existing Arena - Dumpster Service	61,587.00	SF	0.05 /SF	3,079
3022.1	East Concessions - Dumpster Service	2,097.00	SF	0.25 /SF	524
3022.1	West Concessions - Dumpster Service	3,396.00	SF	0.25 /SF	849
3022.1	Covered Penning - Dumpster Service	17,458.00	SF	0.16 /SF	2,791
3022.1	Sitework - Dumpster Service	1.00	LS	4,500.00 /LS	4,500
3022.1	VE A01.00 - Covered Penning - Dumpster Service	-17,458.00	SF	0.16 /SF	(2,791)
3022.1	VE A03.00 - East Concessions - Dumpster Service	-2,097.00	SF	0.25 /SF	(524)
Construction Waste Management And Disposal				20,800	
01-74-23	Final Cleaning				
3092.2	Existing Arena Final Cleaning	62,379.00	SF	0.06 /SF	3,743
3092.2	Existing Arena Support Final Cleaning	3,517.00	SF	0.18 /SF	633
3092.2	Covered Expo Final Cleaning	24,019.00	SF	0.18 /SF	4,323
3092.2	Enclosed Expo Final Cleaning	23,742.00	SF	0.18 /SF	4,274
3092.2	East Ticket Office Final Cleaning	506.00	SF	0.18 /SF	91
3092.2	East Concessions/Restroom Final Cleaning	2,356.00	SF	0.18 /SF	424
3092.2	West Concessions/Restroom Final Cleaning	3,428.00	SF	0.18 /SF	617
3092.2	VE A03.00 - East Concessions/Restroom Final Cleaning	-2,356.00	SF	0.18 /SF	(424)
3092.2	VE A04.02 - Covered Expo Storage Final Cleaning	-2,356.00	SF	0.18 /SF	(424)
Final Cleaning				13,257	
02-41-13	Selective Site Demolition				
4000	Existing Restrooms & Concessions Demolition	2.00	EA	3,650.00 /EA	7,300
4000	Existing Asphalt Removal & Demo	42,038.00	SF	0.25 /SF	10,510
4000	Existing Curb Removal & Demo	1,999.00	LF	0.50 /LF	1,000
4000	Existing Masonry Wrap @ Exist Arena Column A-4	763.00	SF	7.00 /SF	5,341
4000	Existing Arena Column A-4 Footing Removal	1.00	EA	7,500.00 /EA	7,500
4000	Existing Chain Link Fencing	1,676.00	EA	0.50 /EA	838
4000	Existing Stage Structure	2,817.00	SF	1.75 /SF	4,930
4000	Grade Beams for Windscreen Structures	22.00	EA	1,950.00 /EA	42,900
4000	VE A06.02 - Grade Beams for Windscreen Structures	-22.00	EA	1,950.00 /EA	(42,900)
Selective Site Demolition				37,418	
03-31-00	Structural Concrete				
2020	Monument Sign Footings	17.00	CY	459.50 /CY	7,811
2020	Monument Sign Slab-on-Grade (4")	786.00	SF	5.421 /SF	4,261

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
03-31-00	Structural Concrete				
2020	Enclosed Expo Footings & Grade Beams	181.00 CY	459.50 /CY	83,170	
2020	Enclosed Expo 4" Slab-on-Grade	9,242.00 SF	5.421 /SF	50,102	
2020	Enclosed Expo 6" Slab-on-Grade	15,871.00 SF	6.513 /SF	103,363	
2020	Entry Canopy Column Footings	4.00 CY	600.00 /CY	2,400	
2020	Covered Expo Footings & Grade Beams	74.00 CY	459.50 /CY	34,003	
2020	Covered Expo 6" Slab-on-Grade	22,580.00 SF	6.513 /SF	147,056	
2020	East Ticket Building Footings & Grade Beams	10.00 CY	459.50 /CY	4,595	
2020	East Ticket Building 4" Slab-on-Grade	506.00 SF	5.421 /SF	2,743	
2020	East Concessions Building Footings & Grade Beams	21.00 CY	459.50 /CY	9,650	
2020	East Concessions Building 4" Slab-on-Grade	902.00 SF	5.421 /SF	4,890	
2020	East Concessions Building 6" Slab-on-Grade	1,454.00 SF	6.513 /SF	9,469	
2020	West Concessions Building Footings & Grade Beams	58.00 CY	459.50 /CY	26,651	
2020	West Concessions Building 4" Slab-on-Grade	3,428.00 SF	5.421 /SF	18,584	
2020	Covered Penning Spread Footings	84.00 CY	459.50 /CY	38,598	
2020	Manure Management Footings & Grade Beams	11.00 CY	459.50 /CY	5,055	
2020	Manure Management Slab-on-Grade	934.00 SF	6.75 /SF	6,305	
2020	Manure Management 10" CIP Walls	19.00 CY	600.00 /CY	11,400	
2020	Relocated Entry Gate Footing	1.00 LS	5,500.00 /LS	5,500	
2020	Arena Windscreen Footings	44.00 LS	459.50 /LS	20,218	
2020	Covered Expo Storage Footings & Grade Beams	21.00 CY	459.50 /CY	9,649	
2020	Covered Expo Storage 4" Slab-on-Grade	902.00 SF	5.421 /SF	4,890	
2020	Covered Expo Storage 6" Slab-on-Grade	1,454.00 SF	6.513 /SF	9,469	
2020	VE A01.00 - Covered Penning Spread Footings	-84.00 CY	459.50 /CY	(38,598)	
2020	VE A03.00 - East Concessions Building Footings & Grade Beams	-21.00 CY	459.50 /CY	(9,649)	
2020	VE A03.00 - East Concessions Building 4" Slab-on-Grade	-902.00 SF	5.421 /SF	(4,890)	
2020	VE A03.00 - East Concessions Building 6" Slab-on-Grade	-1,454.00 SF	6.513 /SF	(9,469)	
2020	VE A04.02 - Covered Expo Storage Footings & Grade Beams	-21.00 CY	459.50 /CY	(9,649)	
2020	VE A04.02 - Covered Expo Storage 4" Slab-on-Grade	-902.00 SF	5.421 /SF	(4,890)	
2020	VE A04.02 - Covered Expo Storage 6" Slab-on-Grade	-1,454.00 SF	6.513 /SF	(9,469)	
2020	VE A16.01 - Manure Management Footings & Grade Beams	-11.00 CY	459.50 /CY	(5,054)	
2020	VE A16.01 - Manure Management Slab-on-Grade	-934.00 SF	6.75 /SF	(6,304)	
2020	VE A16.01 - Manure Management 10" CIP Walls	-19.00 CY	600.00 /CY	(11,400)	
2020	VE A16.01 - Manure Management Concrete Credit Adjustment	1.00 LS	8,547.00 /LS	8,547	
2020	VE S04.01 - Covered Expo 6" Slab-on-Grade	-1.00 SF	149,999.450 /SF	(149,999)	
2020	VE C02.01 - Monument Sign Footings	-13.947 CY	459.53 /CY	(6,409)	
2020	VE C02.01 - Monument Sign Slab-on-Grade (4")	-645.037 SF	5.42 /SF	(3,496)	
	Structural Concrete			359,099	
04-22-00	Concrete Unit Masonry				
4020	Monument Sign Split Faced CMU	502.00 SF	17.00 /SF	8,534	
4020	Monument Sign Cast Stone Cap	719.00 SF	45.00 /SF	32,355	
4020	Monument Sign Sand Fill	107.00 CY	50.00 /CY	5,350	
4020	West Concessions Split Faced CMU	4,380.00 SF	15.00 /SF	65,700	
4020	West Concessions Burnished CMU	825.00 SF	20.00 /SF	16,500	
4020	West Concessions Standard Grey CMU	4,773.00 SF	13.00 /SF	62,049	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
04-22-00	Concrete Unit Masonry				
4020	Enclosed Expo 4" Split Faced CMU Veneer	5,240.00 SF	15.00 /SF	78,600	
4020	Enclosed Expo 4" Burnished CMU Veneer	660.00 SF	18.00 /SF	11,880	
4020	Enclosed Expo 8" Standard Grey CMU	7,435.00 SF	12.00 /SF	89,220	
4020	Covered Expo 12" Burnished CMU	290.00 SF	22.00 /SF	6,380	
4020	Covered Expo 12" Split Faced CMU	4,203.00 SF	19.00 /SF	79,857	
4020	Covered Expo 8" Split Faced CMU	2,957.00 SF	17.00 /SF	50,269	
4020	East Concession 8" Split Faced CMU	3,004.00 SF	17.00 /SF	51,068	
4020	East Concession 8" Burnished CMU	1,000.00 SF	20.00 /SF	20,000	
4020	East Concession 8" Grey Block CMU	3,308.00 SF	12.00 /SF	39,696	
4020	Maneure Management Enclosed Expo 4" Split Faced CMU Veneer	687.00 SF	15.00 /SF	10,305	
4020	East Ticket 4" Burnished CMU Veneer	167.00 SF	18.00 /SF	3,006	
4020	VE A03.00 - East Concession 8" Split Faced CMU	-3,004.00 SF	17.00 /SF	(51,068)	
4020	VE A03.00 - East Concession 8" Burnished CMU	-1,000.00 SF	20.00 /SF	(20,000)	
4020	VE A03.00 - East Concession 8" Grey Block CMU	-3,308.00 SF	12.00 /SF	(39,696)	
4020	VE A04.02 - Covered Expo Storage Area 8" Split Faced CMU	-2,949.00 SF	17.00 /SF	(50,133)	
4020	VE A16.01 - Maneure Management Enclosed Expo 4" Split Faced CMU Veneer	-687.00 SF	15.00 /SF	(10,305)	
4020	VE C02.01 - Monument Sign Split Faced CMU	-411.885 SF	17.00 /SF	(7,002)	
4020	VE C02.01 - Monument Sign Cast Stone Cap	-589.93 SF	45.00 /SF	(26,547)	
4020	VE C02.01 - Monument Sign Sand Fill	-87.79 CY	50.00 /CY	(4,390)	
	Concrete Unit Masonry			421,628	
05-12-23	Structural Steel For Buildings				
4010	West Concessions Structural Steel & Decking Fabrication/Erection	4.80 TN	5,000.00 /TN	24,000	
4010	Structural Steel & Decking Fabrication/Erection	3.00 TN	5,000.00 /TN	15,000	
4010	East Ticket Building Structural Steel & Decking Fabrication/Erection	1.50 TN	5,000.00 /TN	7,500	
4010	Enclosed Expo Structural Steel & Decking Fabrication/Erection	51.00 TN	5,000.00 /TN	255,000	
4010	Covered Expo Structural Steel & Decking Fabrication/Erection	5.20 TN	5,000.00 /TN	26,000	
4010	VE A03.00 - Structural Steel & Decking Fabrication/Erection	-3.00 TN	5,000.00 /TN	(15,000)	
4010	VE A04.02 - Covered Expo Structural Steel & Decking Fabrication/Erection	-5.20 TN	5,000.00 /TN	(26,000)	
	Structural Steel For Buildings			286,500	
05-15-16	Steel Wire Rope Assemblies				
4010	Fall Protection Cable System	463.00 LF	43.45 /LF	20,117	
4010	Fall Protection Cable System	1,210.00 LF	43.45 /LF	52,575	
4010	Enclosed Expo Fall Protection Cable System	889.00 LF	43.45 /LF	38,627	
4010	VE A01.00 - Fall Protection Cable System	-463.00 LF	43.45 /LF	(20,117)	
4010	VE S02.01 - Fall Protection Cable System	-1,210.00 LF	43.45 /LF	(52,575)	
4010	VE S03.01 - Enclosed Expo Fall Protection Cable System	-889.00 LF	43.45 /LF	(38,627)	
05-51-33	Metal Ladders				
4010	Enclosed Expo Ships Ladders	2.00 EA	4,000.00 /EA	8,000	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
Metal Ladders				8,000	
05-71-00	Miscellaneous Steel				
4010	West Concessions Wash Rack	20.00	LF	150.00 /LF	3,000
4010	Entry Trellis	7.00	TN	5,000.00 /TN	35,000
4010	Bollards - Fabricate & Deliver	5.00	EA	500.00 /EA	2,500
4010	Covered Expo Bollards - Fabricate & Deliver	23.00	EA	500.00 /EA	11,500
4010	West Concessions Freeze Proof Hydrant Protection	8.00	EA	500.00 /EA	4,000
4010	Covered Expo Freeze Proof Hydrant Protection	2.00	EA	500.00 /EA	1,000
4010	Covered Expo Wash Rack	50.00	LF	150.00 /LF	7,500
4010	Transformer Screen Structure	42.00	LF	150.00 /LF	6,300
4010	Monument Sign Structure	1.00	LS	5,000.00 /LS	5,000
4010	Existing Arena Windscreen Structures	29.00	TN	5,000.00 /TN	145,000
4010	VE A04.02 - Covered Expo Freeze Proof Hydrant Protection	-6.00	EA	500.00 /EA	(3,000)
4010	VE A04.02 - Covered Expo Wash Rack	-50.00	LF	150.00 /LF	(7,500)
4010	VE A13.01 - Transformer Screen Structure	-42.00	LF	150.00 /LF	(6,300)
4010	VE C02.01 - Monument Sign Structure	-0.82	LS	5,002.44 /LS	(4,102)
Miscellaneous Steel				199,898	
06-10-53	Miscellaneous Rough Carpentry				
4010	East Ticket Building In-wall Blocking	391.00	GSF	1.65 /GSF	645
4010	Enclosed Expo In-wall Blocking	8,149.00	GSF	1.65 /GSF	13,446
Miscellaneous Rough Carpentry				14,091	
06-16-00	Sheathing				
4010	Enclosed Expo Fire Rated Plywood Sheathing & Elec, IDF, MDF	986.00	SF	3.00 /SF	2,958
4010	West Concessions Fire Rated Plywood Sheathing & Elec, IDF, MDF	986.00	SF	3.00 /SF	2,958
Sheathing				5,916	
06-41-13	Plastic Laminate Faced Architectural Cabinets				
4010	Enclosed Expo Counter Support Structures	19.00	LF	100.00 /LF	1,900
4010	Enclosed Expo Base Cabinets	57.00	LF	315.00 /LF	17,955
4010	West Concessions Counter Support Structures	22.00	LF	100.00 /LF	2,200
4020	Enclosed Expo Upper Cabinets	23.00	LF	235.00 /LF	5,405
4020	Enclosed Expo Reception Deck Allowance	1.00	LS	15,000.00 /LS	15,000
Plastic Laminate Faced Architectural Cabinets				42,460	
06-42-13	Solid Lumber Paneling				
4010	Enclosed Expo WD-2 - Wood Ceilings	3,081.00	SF	56.00 /SF	172,536
4010	VE A10.02 - Omit WD-2 - Wood Ceilings @ Conference & Meeting Rooms	-1,212.00	SF	56.00 /SF	(67,872)
4010	VE A10.03 - Omit WD-2 - Wood Ceilings @ Vestibule & Prefunction Spaces	-1,504.00	SF	56.00 /SF	(84,224)

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
Solid Lumber Paneling				20,440	
06-61-19	Solid Surfacing Fabrications				
4010	West Concessions Solid Surface Countertops	22.00 SF	80.00 /SF	1,760	
4010	Enclosed Expo Solid Surface Countertops	154.00 SF	80.00 /SF	12,320	
Solid Surfacing Fabrications				14,080	
07-19-19	Silicone Water Repellents				
4010	Enclosed Expo Masonry Sealer	5,900.00 SF	0.50 /SF	2,950	
4010	Covered Expo Masonry Sealer	7,450.00 SF	0.50 /SF	3,725	
4010	Manure Management Masonry Sealer	687.00 SF	0.50 /SF	344	
4010	East Ticket Masonry Sealer	167.00 SF	0.50 /SF	84	
4010	Monument Sign Masonry Sealer	502.00 SF	0.50 /SF	251	
4010	East Concessions Masonry Sealer	4,004.00 SF	0.50 /SF	2,002	
4010	West Concessions Masonry Sealer	5,205.00 SF	0.50 /SF	2,603	
4010	VE A03.00 - East Concessions Masonry Sealer	-4,004.00 SF	0.50 /SF	(2,002)	
4010	VE A16.01 - Manure Management Masonry Sealer	-687.00 SF	0.50 /SF	(343)	
4010	VE C02.01 - Monument Sign Masonry Sealer	-411.885 SF	0.501 /SF	(206)	
Silicone Water Repellents				9,406	
07-27-26	Fluid-Applied Membrane Air Barriers				
4010	Enclosed Expo Fluid-Applied Membrane Air Barriers	6,339.00 SF	6.00 /SF	38,034	
4010	East Ticket Fluid-Applied Membrane Air Barriers	1,335.00 SF	6.00 /SF	8,010	
Fluid-Applied Membrane Air Barriers				46,044	
07-41-13	Metal Roof Panels				
4010	Enclosed Expo Standing Seam Roof System	5,502.00 SF	17.00 /SF	93,534	
4010	Covered Expo Storage Standing Seam Roof System	2,485.00 SF	17.00 /SF	42,245	
4010	East Ticket Building Standing Seam Roof System	881.00 SF	17.00 /SF	14,977	
4010	VE A04.02 - Covered Expo Storage Standing Seam Roof System	-2,485.00 SF	17.00 /SF	(42,245)	
Metal Roof Panels				108,511	
07-42-13	Metal Wall Panels				
4010	Enclosed Expo Premium Metal Wall Panels	1,696.00 SF	15.25 /SF	25,864	
4010	Enclosed Expo Perforated Mechanical Screen @ Roof	735.00 SF	15.25 /SF	11,209	
4010	Enclosed Expo Perforated Mechanical Screen @ Equipment Yard	552.00 SF	15.25 /SF	8,418	
4010	East Ticket Building Premium Metal Wall Panels	857.00 SF	15.25 /SF	13,069	
4010	Perforated Mechanical Screen @ Transformer Screen	552.00 SF	15.25 /SF	8,418	
4010	VE A13.01 - Perforated Mechanical Screen @ Transformer Screen	-552.00 SF	15.25 /SF	(8,418)	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
Metal Wall Panels				58,560	
07-42-93	Soffit Panels				
4010	Enclosed Expo Premium Metal Soffit Panels	923.00 SF	12.50 /SF	11,538	
4010	East Ticket Building Premium Metal Soffit Panels	579.00 SF	12.50 /SF	7,238	
4010	Premium Metal Soffit Panels	344.00 SF	12.50 /SF	4,300	
4010	West Concessions Premium Metal Soffit Panels	413.00 SF	12.50 /SF	5,163	
4010	VE A03.00 - Premium Metal Soffit Panels	-344.00 SF	12.50 /SF	(4,300)	
Soffit Panels				23,938	
07-46-46	Mineral -Fiber Cement Siding				
4010	East Ticket Fiber Cement Panel	734.00 SF	15.25 /SF	11,194	
4010	East Concessions Fiber Cement Panel	312.00 SF	15.25 /SF	4,758	
4010	West Concessions Fiber Cement Panel	357.00 SF	15.25 /SF	5,444	
4010	Enclosed Expo Fiber Cement Panel	1,515.00 SF	15.25 /SF	23,104	
4010	VE A03.00 - East Concessions Fiber Cement Panel	-312.00 SF	15.25 /SF	(4,758)	
Mineral -Fiber Cement Siding				39,742	
07-54-23	Thermoplastic-Polyolefin Roofing				
4010	Enclosed Expo Thermoplastic-Polyolefin Roofing	3,630.00 SF	12.75 /SF	46,283	
4010	Thermoplastic-Polyolefin Roofing	2,302.00 SF	12.75 /SF	29,351	
4010	West Concessions Thermoplastic-Polyolefin Roofing	3,604.00 SF	12.75 /SF	45,951	
4010	VE A03.00 - Thermoplastic-Polyolefin Roofing	-2,302.00 SF	12.75 /SF	(29,351)	
Thermoplastic-Polyolefin Roofing				92,234	
07-72-33	Roof Hatches				
4010	Enclosed Expo Roof Hatches	2.00 EA	3,000.00 /EA	6,000	
Roof Hatches				6,000	
08-01-60	Door Restoration				
4010	Replace Hardware @ Existing Door	3.00 EA	1,000.00 /EA	3,000	
4010	VE A14.01 - Replace Hardware @ Existing Door	-3.00 EA	1,000.00 /EA	(3,000)	
08-11-13	Hollow Metal Frames & Wood Doors				
4070	Enclosed Expo - 3'-0" x 7'-2" - Metal Frames w/ Wood Doors & Hardware	14.00 EA	2,025.00 /EA	28,350	
4070	Enclosed Expo - 4'-0" x 7'-2" - Metal Frames w/ Wood Doors & Hardware	3.00 EA	2,125.00 /EA	6,375	
4070	Enclosed Expo - 6'-0" x 7'-2" - Metal Frames w/ Wood Doors & Hardware	4.00 EA	3,975.00 /EA	15,900	
Hollow Metal Frames & Wood Doors				50,625	
08-11-14	Hollow Metal Doors and Frames				
4010	Enclosed Expo - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	16.00 EA	1,989.00 /EA	31,824	
4010	Enclosed Expo - 4'-0" x 7'-2" - Metal Frames & Doors/Hardware	1.00 EA	2,089.00 /EA	2,089	
4010	Enclosed Expo - 6'-0" x 7'-2" - Metal Frames & Doors/Hardware	2.00 EA	3,825.00 /EA	7,650	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Unit Cost	Amount
08-11-14	Hollow Metal Doors and Frames				
4010	Enclosed Expo - 8'-0" x 7'-2" - Metal Frames & Doors/Hardware	1.00 EA	3,925.00 /EA		3,925
4010	Covered Expo - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	4.00 EA	1,989.00 /EA		7,956
4010	East Ticket - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	3.00 EA	1,989.00 /EA		5,967
4010	East Concessions - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	6.00 EA	1,989.00 /EA		11,934
4010	West Concessions - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	14.00 EA	1,989.00 /EA		27,846
4010	VE A03.00 - East Concessions - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	-6.00 EA	1,989.00 /EA		(11,934)
4010	VE A04.02 - Covered Expo - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	-4.00 EA	1,989.00 /EA		(7,956)
	Hollow Metal Doors and Frames				79,301
08-33-13	Coiling Counter Doors				
4010	Enclosed Expo Overhead Coiling Counter Doors	2.00 EA	3,750.00 /EA		7,500
4010	West Concessions Overhead Coiling Counter Doors	2.00 EA	3,750.00 /EA		7,500
4010	Overhead Coiling Counter Doors	2.00 EA	3,750.00 /EA		7,500
4010	VE A03.00 - Overhead Coiling Counter Doors	-2.00 EA	3,750.00 /EA		(7,500)
	Coiling Counter Doors				15,000
08-33-23	Overhead Coiling Doors				
4010	Enclosed Expo Overhead Coiling Doors	7.00 EA	8,000.00 /EA		56,000
4010	Covered Expo Overhead Coiling Doors	4.00 EA	3,500.00 /EA		14,000
4010	West Concessions Overhead Coiling Doors	1.00 EA	3,500.00 /EA		3,500
4010	VE A04.02 - Covered Expo Overhead Coiling Doors	-4.00 EA	3,500.00 /EA		(14,000)
	Overhead Coiling Doors				59,500
08-43-13	Aluminum -Framed Storefronts				
4010	Enclosed Expo Punched Openings w/ Glass & Fins	207.00 SF	110.00 /SF		22,770
4010	Enclosed Expo Fiberglass Sandwich Panels	231.00 SF	96.28 /SF		22,241
4010	West Concessions Punched Openings w/ Glass & Fins	64.00 SF	110.00 /SF		7,040
4010	West Concessions 8'x2' Operable Window w/ Perf. Metal Panel	16.00 SF	50.00 /SF		800
	Aluminum -Framed Storefronts				52,851
08-44-13	Glazed Aluminum Curtain Walls				
4010	Enclosed Expo Glazed Aluminum Curtain Walls	718.00 SF	67.00 /SF		48,106
4010	Enclosed Expo Aluminum Doors	8.00 EA	4,500.00 /EA		36,000
4010	Aluminum Door - ADA Assist Swing Operators	2.00 EA	500.00 /EA		1,000
	Glazed Aluminum Curtain Walls				85,106
08-81-00	Glazing				
4010	Enclosed Expo Interior Sidelight Glazing	84.00 SF	15.00 /SF		1,260
4010	Enclosed Expo Door Glazing	24.00 SF	15.00 /SF		360

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
08-81-00	Glazing				
4010	Enclosed Expo Door Glazing (Narrow Lite)	5.00 EA	25.00 /EA	125	
4010	Enclosed Expo Door Glazing (Center Lite)	2.00 EA	25.00 /EA	50	
4010	Enclosed Expo Door Glazing (Narrow Lite)	5.00 EA	25.00 /EA	125	
4010	East Ticket Building Door Glazing (Narrow Lite)	1.00 EA	25.00 /EA	25	
	Glazing			1,945	
08-83-13	Mirrored Glass Glazing				
4020	Enclosed Expo Unframed Mirrors	57.00 SF	15.00 /SF	855	
4020	Enclosed Expo Framed Mirror(s)	1.00 EA	110.00 /EA	110	
4020	East Ticket Building Framed Mirror(s)	6.00 EA	110.00 /EA	660	
4020	West Concessions Framed Mirror(s)	9.00 EA	110.00 /EA	990	
	Mirrored Glass Glazing			2,615	
09-21-16	Gypsum Board Assemblies				
4010	Enclosed Expo Drywall Framing & Sheathing	23,912.00 SF	10.35 /SF	247,489	
4010	West Concessions Drywall Framing & Sheathing	3,218.00 SF	2.78 /SF	8,946	
4010	Drywall Framing & Sheathing	1,989.00 SF	0.48 /SF	955	
4010	East Ticket Building Drywall Framing & Sheathing	1,989.00 SF	0.48 /SF	955	
4010	VE A03.00 - Drywall Framing & Sheathing	-1,989.00 SF	0.48 /SF	(955)	
	Gypsum Board Assemblies			257,390	
09-30-13	Ceramic Tiling				
4010	T1 - Pre-Function Tile	1,021.00 SF	21.25 /SF	21,696	
4010	T2 - Ceramic Tile	239.00 SF	17.00 /SF	4,063	
4010	T3 - Ceramic Tile	788.00 SF	17.00 /SF	13,396	
4010	T4 - Ceramic Tile	384.00 SF	17.00 /SF	6,528	
4010	T5- Ceramic Tile	178.00 SF	17.00 /SF	3,026	
4010	T3 - Ceramic Tile	829.00 SF	17.00 /SF	14,093	
4010	T4 - Ceramic Tile	260.00 SF	17.50 /SF	4,550	
4010	T3 - Ceramic Tile	989.00 SF	17.00 /SF	16,813	
4010	T4 - Ceramic Tile	261.00 SF	17.50 /SF	4,568	
4010	T3 - Ceramic Tile	989.00 SF	17.00 /SF	16,813	
4010	T4 - Ceramic Tile	261.00 SF	17.50 /SF	4,568	
4010	VE A03.00 - T3 - Ceramic Tile	-829.00 SF	17.00 /SF	(14,093)	
4010	VE A03.00 - T4 - Ceramic Tile	-260.00 SF	17.50 /SF	(4,550)	
4010	VE A14.01 - T3 - Ceramic Tile	-989.00 SF	17.00 /SF	(16,813)	
4010	VE A14.01 - T4 - Ceramic Tile	-261.00 SF	17.50 /SF	(4,567)	
	Ceramic Tiling			70,090	
09-51-13	Acoustical Panel Ceilings				
4010	Enclosed Expo CL1 Acoustical Tile Ceilings	1,341.00 SF	3.50 /SF	4,694	
4010	Enclosed Expo CL3 Acoustical Tile Ceilings	2,080.00 SF	4.50 /SF	9,360	
4010	Enclosed Expo CL5 Acoustical Tile Ceilings	287.00 SF	5.50 /SF	1,579	
4010	East Ticket Building CL1 Acoustical Tile Ceilings	368.00 SF	4.50 /SF	1,656	
4010	West Concessions CL1 Acoustical Tile Ceilings	467.00 SF	3.50 /SF	1,635	
4010	West Concessions CL3 Acoustical Tile Ceilings	842.00 SF	4.50 /SF	3,789	
4010	CL3 Acoustical Tile Ceilings	775.00 SF	4.50 /SF	3,488	
4010	VE A03.00 - CL3 Acoustical Tile Ceilings	-775.00 SF	4.50 /SF	(3,487)	
4010	VE A10.02 - Enclosed Expo CL1 Acoustical Tile Ceilings	1,212.00 SF	3.50 /SF	4,242	
4010	VE A10.03 - Specialty Decorative Ceiling Allowance	1,504.00 SF	10.00 /SF	15,040	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
Acoustical Panel Ceilings				41,994	
09-65-13	Resilient Base & Accessories				
4020	Enclosed Expo RB-1 - Rubber Base	960.00	LF	1.65 /LF	1,584
4020	Enclosed Expo RB-2 - Rubber Base	600.00	LF	1.65 /LF	990
4020	West Concessions RB-1 - Rubber Base	120.00	LF	1.65 /LF	198
4020	West Concessions RB-2 - Rubber Base	120.00	LF	1.65 /LF	198
4020	East Ticket Building RB-1 - Rubber Base	120.00	LF	1.65 /LF	198
Resilient Base & Accessories				3,168	
09-68-13	Tile Carpeting				
4010	Enclosed Expo C1 - Carpeting	113.62	SY	55.00 /SY	6,249
4010	Enclosed Expo C2 - Carpeting	153.41	SY	58.00 /SY	8,898
4010	West Concessions C2 - Carpeting	13.34	SY	58.00 /SY	774
Tile Carpeting				15,921	
09-72-00	Wall Coverings				
4010	Enclosed Expo - Custom Graphic Wall Coverings	540.00	SF	20.00 /SF	10,800
Wall Coverings				10,800	
09-77-13	Stretched-Fabric Wall Systems				
4020	Stretched-Fabric Wall Systems @ Reception 117	261.00	SF	35.00 /SF	9,135
Stretched-Fabric Wall Systems				9,135	
09-77-23	Fabric -Wrapped Panels				
4010	Enclosed Expo Fabric -Wrapped Panels	1,118.00	SF	18.25 /SF	20,404
Fabric -Wrapped Panels				20,404	
09-91-00	Painting				
4010	Enclosed Expo Interior & Exterior Painting	49,485.00	SF	2.87 /SF	142,022
4010	Existing Arena Interior & Exterior Painting	61,587.00	SF	1.00 /SF	61,587
4010	Covered Penning Interior & Exterior Painting	17,458.00	SF	1.151 /SF	20,093
4010	East Concessions Interior & Exterior Painting	2,097.00	SF	3.33 /SF	6,983
4010	West Concessions Interior & Exterior Painting	3,396.00	SF	5.74 /SF	19,493
4010	VE A01.00 - Covered Penning Interior & Exterior Painting	-17,458.00	SF	1.151 /SF	(20,093)
4010	VE A03.00 - East Concessions Interior & Exterior Painting	-2,097.00	SF	3.33 /SF	(6,983)
4010	VE A09.01 - Existing Arena Interior & Exterior Painting	-61,587.00	SF	1.00 /SF	(61,587)
4010	VE A14.01 - Existing Arena Interior & Exterior Painting	-1.00	LS	750.00 /LS	(750)
Painting				160,765	
10-14-19	Dimensional Letter Signage				
4010	Enclosed Expo South Elevation Pin Mounted Letters	1.00	EA	18,510.00 /EA	18,510
4010	Enclosed Expo East Elevation Pin Mounted Letters	1.00	EA	5,036.00 /EA	5,036

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
10-14-19	Dimensional Letter Signage				
4010	East Ticket Building - East Elevation Pin Mounted Letters	1.00 EA	2,324.00 /EA	2,324	
4010	Monument Sign - Pin Mounted Letters	1.00 EA	16,307.00 /EA	16,307	
4010	VE C02.01 - Monument Sign - Pin Mounted Letters	-0.82 EA	16,316.48 /EA	(13,380)	
	Dimensional Letter Signage			28,797	
10-14-23	Panel Signage				
4010	Enclosed Expo Restroom Signs	3.00 EA	132.00 /EA	396	
4010	Enclosed Expo Room Signs	35.00 EA	104.00 /EA	3,640	
4010	Enclosed Expo Entrance Viny Signage	10.00 EA	150.00 /EA	1,500	
4010	Enclosed Expo Allowance for Directional Signage	1.00 EA	5,000.00 /EA	5,000	
4010	Existing Arena - Restroom Signs	2.00 EA	132.00 /EA	264	
4010	Existing Arena - Allowance for Directional Signage	1.00 EA	2,500.00 /EA	2,500	
4010	East Concessions - Restroom Signs	2.00 EA	132.00 /EA	264	
4010	East Concessions - Room Signs	6.00 EA	104.00 /EA	624	
4010	East Concessions - Allowance for Directional Signage	1.00 EA	750.00 /EA	750	
4010	West Concessions - Restroom Signs	4.00 EA	132.00 /EA	528	
4010	West Concessions - Room Signs	10.00 EA	104.00 /EA	1,040	
4010	West Concessions - Allowance for Directional Signage	1.00 EA	500.00 /EA	500	
4010	VE A03.00 - East Concessions - Restroom Signs	-2.00 EA	132.00 /EA	(264)	
4010	VE A03.00 - East Concessions - Room Signs	-6.00 EA	104.00 /EA	(624)	
4010	VE A03.00 - East Concessions - Allowance for Directional Signage	-1.00 EA	750.00 /EA	(750)	
4010	VE A14.01 - Existing Arena - Restroom Signs	-2.00 EA	132.00 /EA	(264)	
	Panel Signage			15,104	
10-21-13	Toilet Compartments				
4010	West Concessions Toilet Compartments (Stainless Steel Floor Anchored)	15.00 EA	1,200.00 /EA	18,000	
4010	West Concessions Urinal Screens	3.00 EA	550.00 /EA	1,650	
4010	Toilet Compartments (Stainless Steel Floor Anchored)	15.00 EA	1,200.00 /EA	18,000	
4010	Urinal Screens	3.00 EA	550.00 /EA	1,650	
4010	Enclosed Expo Toilet Compartments (Stainless Steel Floor Anchored)	11.00 EA	1,200.00 /EA	13,200	
4010	Enclosed Expo Urinal Screens	3.00 EA	550.00 /EA	1,650	
4010	VE A03.00 - Toilet Compartments (Stainless Steel Floor Anchored)	-15.00 EA	1,200.00 /EA	(18,000)	
4010	VE A03.00 - Urinal Screens	-3.00 EA	550.00 /EA	(1,650)	
	Toilet Compartments			34,500	
10-22-39	Folding Panel Partitions				
4010	Enclosed Expo Manual Folding Panel Partitions	2,214.00 SF	43.00 /SF	95,202	
	Folding Panel Partitions			95,202	
10-28-13	Toilet Accessories				
4040	T01 - Paper Towel Dispenser/Receptacle	9.00 EA	350.00 /EA	3,150	
4040	T05 - Toilet Seat Protector	18.00 EA	200.00 /EA	3,600	
4040	T06 - Toilet Tissue Dispenser	18.00 EA	50.00 /EA	900	

Item	Description	Takeoff Qty		Total	
				Unit Cost	Amount
10-28-13	Toilet Accessories				
4040	T07 - Horizontal Baby Station	2.00	EA	300.00 /EA	600
4040	T09.42 - 42" Grab Bar	5.00	EA	80.00 /EA	400
4040	T09.48 - 48" Grab Bar	9.00	EA	100.00 /EA	900
4040	T09V - 18" Vertical Grab Bar	8.00	EA	60.00 /EA	480
4040	T11 - Soap Dispenser	7.00	EA	80.00 /EA	560
4040	T13 - 18"x36" Framed Mirror	9.00	EA	150.00 /EA	1,350
4040	T13 - 24"x72" Framed Mirror	1.00	EA	375.00 /EA	375
4040	T15 - Sanitary Napkin Vendor	1.00	EA	615.00 /EA	615
4040	T16 - Sanitary Napkin Receptacle	13.00	EA	270.00 /EA	3,510
4040	T18 - Mop/Broom Holder	1.00	EA	150.00 /EA	150
4040	T19 - Accessible Coat Hook	15.00	EA	39.00 /EA	585
4040	T20 - Wall Mnt. Coat Hook	3.00	EA	39.00 /EA	117
4040	T21 - Shelf	1.00	EA	125.00 /EA	125
4040	T01 - Paper Towel Dispenser/Receptacle	4.00	EA	350.00 /EA	1,400
4040	T05 - Toilet Seat Protector	15.00	EA	200.00 /EA	3,000
4040	T06 - Toilet Tissue Dispenser	15.00	EA	50.00 /EA	750
4040	T07 - Horizontal Baby Station	2.00	EA	300.00 /EA	600
4040	T09.42 - 42" Grab Bar	2.00	EA	80.00 /EA	160
4040	T09.48 - 48" Grab Bar	6.00	EA	100.00 /EA	600
4040	T09V - 18" Vertical Grab Bar	5.00	EA	60.00 /EA	300
4040	T11 - Soap Dispenser	4.00	EA	80.00 /EA	320
4040	T13 - 18"x36" Framed Mirror	6.00	EA	150.00 /EA	900
4040	T13 - 24"x72" Framed Mirror	1.00	EA	375.00 /EA	375
4040	T15 - Sanitary Napkin Vendor	1.00	EA	615.00 /EA	615
4040	T16 - Sanitary Napkin Receptacle	13.00	EA	270.00 /EA	3,510
4040	T18 - Mop/Broom Holder	1.00	EA	150.00 /EA	150
4040	T19 - Accessible Coat Hook	15.00	EA	39.00 /EA	585
4040	T20 - Wall Mnt. Coat Hook	3.00	EA	39.00 /EA	117
4040	T21 - Shelf	1.00	EA	125.00 /EA	125
4040	Enclosed Expo - T01 - Paper Towel Dispenser/Receptacle	7.00	EA	350.00 /EA	2,450
4040	Enclosed Expo - T05 - Toilet Seat Protector	12.00	EA	200.00 /EA	2,400
4040	Enclosed Expo - T06 - Toilet Tissue Dispenser	12.00	EA	50.00 /EA	600
4040	Enclosed Expo - T07 - Horizontal Baby Station	3.00	EA	300.00 /EA	900
4040	Enclosed Expo - T09.42 - 42" Grab Bar	3.00	EA	80.00 /EA	240
4040	Enclosed Expo - T09.48 - 48" Grab Bar	7.00	EA	100.00 /EA	700
4040	Enclosed Expo - T09V - 18" Vertical Grab Bar	6.00	EA	60.00 /EA	360
4040	Enclosed Expo - T11 - Soap Dispenser	7.00	EA	80.00 /EA	560
4040	Enclosed Expo - T13 - 18"x36" Framed Mirror	3.00	EA	150.00 /EA	450
4040	Enclosed Expo - T15 - Sanitary Napkin Vendor	1.00	EA	615.00 /EA	615
4040	Enclosed Expo - T16 - Sanitary Napkin Receptacle	9.00	EA	270.00 /EA	2,430
4040	Enclosed Expo - T18 - Mop/Broom Holder	1.00	EA	150.00 /EA	150
4040	Enclosed Expo - T19 - Accessible Coat Hook	11.00	EA	39.00 /EA	429
4040	Enclosed Expo - T20 - Wall Mnt. Coat Hook	3.00	EA	39.00 /EA	117
4040	Enclosed Expo - T21 - Shelf	1.00	EA	125.00 /EA	125
4040	Enclosed Expo - T01 - Paper Towel Dispenser/Receptacle	2.00	EA	350.00 /EA	700
4040	Enclosed Expo - T05 - Toilet Seat Protector	2.00	EA	200.00 /EA	400
4040	Enclosed Expo - T06 - Toilet Tissue Dispenser	2.00	EA	50.00 /EA	100
4040	Enclosed Expo - T07 - Horizontal Baby Station	2.00	EA	300.00 /EA	600
4040	Enclosed Expo - T09.42 - 42" Grab Bar	2.00	EA	80.00 /EA	160
4040	Enclosed Expo - T09.48 - 48" Grab Bar	2.00	EA	100.00 /EA	200
4040	Enclosed Expo - T09V - 18" Vertical Grab Bar	2.00	EA	60.00 /EA	120
4040	Enclosed Expo - T11 - Soap Dispenser	2.00	EA	80.00 /EA	160
4040	Enclosed Expo - T13 - 18"x36" Framed Mirror	2.00	EA	150.00 /EA	300

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
10-28-13	Toilet Accessories				
4040	Enclosed Expo - T20 - Wall Mnt. Coat Hook	2.00 EA	39.00 /EA	78	
4040	VE A03.00 - T01 - Paper Towel Dispenser/Receptacle	-4.00 EA	350.00 /EA	(1,400)	
4040	VE A03.00 - T05 - Toilet Seat Protector	-15.00 EA	200.00 /EA	(3,000)	
4040	VE A03.00 - T06 - Toilet Tissue Dispenser	-15.00 EA	50.00 /EA	(750)	
4040	VE A03.00 - T07 - Horizontal Baby Station	-2.00 EA	300.00 /EA	(600)	
4040	VE A03.00 - T09.42 - 42" Grab Bar	-2.00 EA	80.00 /EA	(160)	
4040	VE A03.00 - T09.48 - 48" Grab Bar	-6.00 EA	100.00 /EA	(600)	
4040	VE A03.00 - T09V - 18" Vertical Grab Bar	-5.00 EA	60.00 /EA	(300)	
4040	VE A03.00 - T11 - Soap Dispenser	-4.00 EA	80.00 /EA	(320)	
4040	VE A03.00 - T13 - 18"x36" Framed Mirror	-6.00 EA	150.00 /EA	(900)	
4040	VE A03.00 - T13 - 24"x72" Framed Mirror	-1.00 EA	375.00 /EA	(375)	
4040	VE A03.00 - T15 - Sanitary Napkin Vendor	-1.00 EA	615.00 /EA	(615)	
4040	VE A03.00 - T16 - Sanitary Napkin Receptacle	-13.00 EA	270.00 /EA	(3,510)	
4040	VE A03.00 - T18 - Mop/Broom Holder	-1.00 EA	150.00 /EA	(150)	
4040	VE A03.00 - T19 - Accessible Coat Hook	-15.00 EA	39.00 /EA	(585)	
4040	VE A03.00 - T20 - Wall Mnt. Coat Hook	-3.00 EA	39.00 /EA	(117)	
4040	VE A03.00 - T21 - Shelf	-1.00 EA	125.00 /EA	(125)	
4040	VE A14.01 - Enclosed Expo - T01 - Paper Towel Dispenser/Receptacle	-2.00 EA	350.00 /EA	(700)	
4040	VE A14.01 - Enclosed Expo - T05 - Toilet Seat Protector	-2.00 EA	200.00 /EA	(400)	
4040	VE A14.01 - Enclosed Expo - T06 - Toilet Tissue Dispenser	-2.00 EA	50.00 /EA	(100)	
4040	VE A14.01 - Enclosed Expo - T07 - Horizontal Baby Station	-2.00 EA	300.00 /EA	(600)	
4040	VE A14.01 - Enclosed Expo - T09.42 - 42" Grab Bar	-2.00 EA	80.00 /EA	(160)	
4040	VE A14.01 - Enclosed Expo - T09.48 - 48" Grab Bar	-2.00 EA	100.00 /EA	(200)	
4040	VE A14.01 - Enclosed Expo - T09V - 18" Vertical Grab Bar	-2.00 EA	60.00 /EA	(120)	
4040	VE A14.01 - Enclosed Expo - T11 - Soap Dispenser	-2.00 EA	80.00 /EA	(160)	
4040	VE A14.01 - Enclosed Expo - T13 - 18"x36" Framed Mirror	-2.00 EA	150.00 /EA	(300)	
4040	VE A14.01 - Enclosed Expo - T20 - Wall Mnt. Coat Hook	-2.00 EA	39.00 /EA	(78)	
	Toilet Accessories			29,943	
10-44-16	Fire Extinguishers				
4020	Existing Arena Fire Extinguisher - Allowance	4.00 EA	315.00 /EA	1,260	
4020	Enclosed Expo - Fire Extinguisher - Allowance	4.00 EA	315.00 /EA	1,260	
4020	Covered Expo Fire Extinguisher - Allowance	2.00 EA	315.00 /EA	630	
4020	Fire Extinguisher - Allowance	1.00 EA	315.00 /EA	315	
4020	West Concessions Fire Extinguisher - Allowance	1.00 EA	315.00 /EA	315	
4020	East Ticket Building Fire Extinguisher - Allowance	1.00 EA	315.00 /EA	315	
4020	VE A03.00 - Fire Extinguisher - Allowance	-1.00 EA	315.00 /EA	(315)	
4020	VE A14.01 - Covered Expo Fire Extinguisher - Allowance	-2.00 EA	315.00 /EA	(630)	
	Fire Extinguishers			3,150	
10-73-16	Canopies				
4010	Windscreens @ Existing Arena	7,905.00 SF	2.00 /SF	15,810	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
Canopies				15,810	
11-17-13	Teller Equipment Systems				
4010	East Ticket Building Ticket Transaction Windows	3.00 EA	5,858.00 /EA	17,574	
Teller Equipment Systems				17,574	
11-44-00	Food Cooking Equipment				
4010	Freestanding Stainless Steel Counters	30.00 LF	150.00 /LF	4,500	
4010	3 Compartment Sink w/ Drying Area	1.00 EA	1,500.00 /EA	1,500	
4010	Freestanding Stainless Steel Counters	37.00 LF	150.00 /LF	5,550	
4010	3 Compartment Sink w/ Drying Area	1.00 EA	1,500.00 /EA	1,500	
4010	Freestanding Stainless Steel Counters	39.00 LF	150.00 /LF	5,850	
4010	3 Compartment Sink w/ Drying Area	1.00 EA	1,500.00 /EA	1,500	
4010	Cooler Relocation Allowance	1.00 EA	5,000.00 /EA	5,000	
4010	Foodservice Equipment (ref. FF&E)	0.00 EA			
4010	Foodservice Equipment (ref. FF&E)	0.00 EA			
4010	Foodservice Equipment (ref. FF&E)	0.00 EA			
4010	VE A03.00 - Freestanding Stainless Steel Counters	-39.00 LF	150.00 /LF	(5,850)	
4010	VE A03.00 - 3 Compartment Sink w/ Drying Area	-1.00 EA	1,500.00 /EA	(1,500)	
4010	Foodservice Equipment (ref. FF&E)	0.00 EA			
Food Cooking Equipment				18,050	
11-65-00	Athletic Equipment				
4010	Livestock Equipment Allowance (ref. FF&E)	0.00 SF			
12-00-01	Furniture, Fixtures & Equipment				
4010	Furniture, Fixtures & Equipment (ref. FF&E)	0.00 LS			
4010	Furniture, Fixtures & Equipment (ref. FF&E)	0.00 LS			
4010	Soda System (by vendor)	0.00 LS			
4010	Soda System (by vendor)	0.00 LS			
4010	Soda System (by vendor)	0.00 LS			
4010	Tractor Allowance (ref. FF&E)	0.00 LS			
4010	Scissor Lift Allowance (ref. FF&E)	0.00 LS			
4010	Soda System (by vendor)	0.00 LS			
12-21-13	Horizontal Louver Blinds				
4010	Enclosed Expo - Horizontal Louver Blinds @ Office Sidelights	8.00 EA	45.00 /EA	360	
Horizontal Louver Blinds				360	
12-21-23	Roll-Down Blinds				
4010	Enclosed Expo - Manual Roller Shades	12.00 EA	175.00 /EA	2,100	
4010	Enclosed Expo - Manual Roller Shades	4.00 EA	175.00 /EA	700	
Roll-Down Blinds				2,800	
12-21-26	Black-Out Blinds				
4010	Enclosed Expo - Black-Out Shades	4.00 SF	100.00 /SF	400	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
Black-Out Blinds				400	
12-36-16	Metal Countertops				
4010	Stainless Steel Countertops	56.00 SF	185.00 /SF	10,360	
4010	Stainless Steel Countertops	80.00 SF	185.00 /SF	14,800	
4010	Stainless Steel Countertops	77.00 SF	185.00 /SF	14,245	
4010	VE A03.00 - Stainless Steel Countertops	-77.00 SF	185.00 /SF	(14,245)	
Metal Countertops				25,160	
12-48-13	Entrance Floor Mats And Frames				
4010	Enclosed Expo - Entrance Floor Mats And Frames	147.00 SF	102.00 /SF	14,994	
Entrance Floor Mats And Frames				14,994	
13-34-16	Grandstands & Bleachers				
4010	Aluminum Bleachers (Re-use Existing)				
13-34-19	Metal Building Systems				
4010	Enclosed & Covered Expo Pre-Engineered Metal Building Systems	38,355.00 SF	25.42 /SF	974,984	
4010	Covered Penning Pre-Engineered Metal Building Systems	17,458.00 SF	12.88 /SF	224,859	
4010	VE A01.00 - Covered Penning Pre-Engineered Metal Building Systems	-17,458.00 SF	12.88 /SF	(224,859)	
Metal Building Systems				974,984	
21-13-13	Wet-Pipe Sprinkler Systems				
4010	Enclosed Expo - Expo Prefunction & Office Areas	8,526.00 GSF	4.80 /GSF	40,925	
Wet-Pipe Sprinkler Systems				40,925	
21-13-16	Dry-Pipe Sprinkler Systems				
4010	Enclosed Expo Halls	15,618.00 GSF	1.74 /GSF	27,175	
4010	Covered Expo Halls	24,421.00 GSF	1.74 /GSF	42,493	
4010	Covered Penning Structure	17,458.00 GSF	2.56 /GSF	44,650	
4010	VE A01.00 - Covered Penning Structure	-17,458.00 GSF	2.56 /GSF	(44,650)	
4010	VE A04.02 - Covered Expo Halls	-2,356.00 GSF	1.74 /GSF	(4,099)	
Dry-Pipe Sprinkler Systems				65,568	
22-00-01	Plumbing General				
4020	Enclosed Expo Plumbing Systems	24,336.00 GSF	7.00 /GSF	170,352	
4020	Covered Expo Covered Expo Plumbing Systems	24,666.00 GSF	5.00 /GSF	123,330	
4020	East Concessions Plumbing Systems	2,097.00 GSF	60.00 /GSF	125,820	
4020	West Concessions Plumbing Systems	3,396.00 GSF	33.00 /GSF	112,068	
4020	Covered Penning Plumbing Systems	17,458.00 GSF	0.80 /GSF	13,953	
4020	VE A01.00 - Covered Penning Plumbing Systems	-17,458.00 GSF	0.80 /GSF	(13,953)	
4020	VE A03.00 - East Concessions Plumbing Systems	-2,097.00 GSF	60.00 /GSF	(125,820)	
4020	VE A04.02 - Covered Expo Covered Expo Plumbing Systems	-2,356.00 GSF	5.00 /GSF	(11,780)	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
Plumbing General				393,970	
23-00-01	HVAC General				
4010	Enclosed Expo Mechanical Systems	24,336.00	GSF	16.00 /GSF	389,376
4010	Covered Expo Covered Expo Mechanical Systems	24,666.00	GSF	2.50 /GSF	61,665
4010	East Ticket Building Mechanical Systems	483.00	GSF	12.00 /GSF	5,796
4010	East Concessions Building Mechanical Systems	2,097.00	GSF	22.00 /GSF	46,134
4010	West Concessions Building Mechanical Systems	3,396.00	GSF	16.50 /GSF	56,034
4010	VE A03.00 - East Concessions Building Mechanical Systems	-2,097.00	GSF	22.00 /GSF	(46,134)
4010	VE M05.01 - Covered Expo Covered Expo Mechanical Systems	-24,666.00	GSF	1.25 /GSF	(30,833)
HVAC General				482,039	
23-34-13	Axial HVAC Fans				
4010	Arena 24' Low Speed High Volume Fans	8.00	EA	7,500.00 /EA	60,000
4010	Covered Expo 18' Low Speed High Volume Fans	3.00	EA	6,500.00 /EA	19,500
4010	Enclosed Expo - 18' Low Speed High Volume Fans	2.00	EA	6,500.00 /EA	13,000
4010	Arena 24' Low Speed High Volume Fans	4.00	EA	7,500.00 /EA	30,000
4010	VE A01.00 - Arena 24' Low Speed High Volume Fans	-4.00	EA	7,500.00 /EA	(30,000)
4010	VE M02.01 - Arena 24' Low Speed High Volume Fans	-8.00	EA	7,500.00 /EA	(60,000)
4010	VE M03.01 - Covered Expo 18' Low Speed High Volume Fans	-3.00	EA	6,500.00 /EA	(19,500)
4010	VE M04.01 - Enclosed Expo - 18' Low Speed High Volume Fans	-2.00	EA	6,500.00 /EA	(13,000)
26-00-01	Electrical General				
4010	Relocate Pole Lights w/ New Base(s)	3.00	EA	3,400.00 /EA	10,200
4010	Covered Expo Power & Lighting @ Covered Expo Building	24,666.00	SF	27.14 /SF	669,435
4010	Power & Lighting @ Enclosed Expo Building	24,336.00	EA	12.42 /EA	302,253
4010	East Ticket Building Power & Lighting	483.00	EA	25.00 /EA	12,075
4010	Power & Lighting @ East Concessions	2,097.00	EA	24.04 /EA	50,412
4010	Power & Lighting @ West Concessions	3,396.00	EA	24.04 /EA	81,640
4010	Power & Lighting @ Covered Penning	17,458.00	SF	9.783 /SF	170,788
4010	Power & Lighting Revisions @ Existing Arena	61,587.00	EA	6.26 /EA	385,535
4010	Power, Lighting & Gear @ Site	1.00	EA	622,385.00 /EA	622,385
4010	VE A01.00 - Power & Lighting @ Covered Penning	-17,458.00	SF	9.783 /SF	(170,788)
4010	VE A03.00 - Power & Lighting @ East Concessions	-2,097.00	EA	24.04 /EA	(50,412)
4010	VE A04.02 - Covered Expo Power & Lighting @ Covered Expo Building	-2,356.00	SF	27.14 /SF	(63,942)
4010	VE A14.01 - Power & Lighting Revisions @ Existing Arena	-1.00	LS	1,500.00 /LS	(1,500)
4010	VE E01.01 - Targeted Exist Arena Exterior Light Savings	-1.00	LS	18,750.00 /LS	(18,750)
4010	VE E02.01 - Targeted Exist Arena Interior Light Savings	-1.00	LS	100,000.00 /LS	(100,000)
4010	VE E03.01 - Expo Lighting from LED to Fluorescent	-1.00	LS	60,000.00 /LS	(60,000)
4010	VE E05.01 - Alum. Main Feeder vs. Copper	-1.00	LS	50,000.00 /LS	(50,000)

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>		<u>Unit Cost</u>	<u>Amount</u>
Electrical General					1,789,331
27-15-00	Communications Horizontal Cabling				
4010	Enclosed Expo Communications Horizontal Cabling (by Owner)	0.00	SF		
27-40-00	Audio-Video Communications				
4010	Enclosed Expo - Flatscreen Televisions	14.00	EA	750.00 /EA	10,500
4010	Enclosed Expo - Projectors & Screens	2.00	EA	1,000.00 /EA	2,000
4010	West Concessions Flatscreen Televisions	2.00	LS	750.00 /LS	1,500
4010	Existing Arena PA/Loudspeaker Rough-in & Equipment	65,396.00	SF	2.00 /SF	130,792
4010	Enclosed Expo PA/Loudspeaker Rough-in & Equipment	23,709.00	SF	2.00 /SF	47,418
4010	Covered Expo Covered PA/Loudspeaker Rough-in & Equipment	23,515.00	SF	2.00 /SF	47,030
4010	VE 06.01 - Targeted AV/PA Savings	-1.00	SF	50,000.00 /SF	(50,000)
Audio-Video Communications					189,240
27-42-13	Point of Sale Systems				
4010	East Concessions Point of Sale Systems Allowance (ref. FF&E)	0.00	0		
4010	West Concessions Point of Sale Systems Allowance (ref. FF&E)	0.00	EA		
4010	East Concessions Point of Sale Systems Allowance (ref. FF&E)	0.00	0		
31-14-13	Soil Stripping And Stockpiling				
4010	Soil Stripping And Stockpiling	4,765.00	CY	1.25 /CY	5,956
Soil Stripping And Stockpiling					5,956
31-22-13	Rough Grading				
4010	Rough Grading	32,947.00	SY	1.25 /SY	41,184
4010	VE C08.01 - Civil & Utilities Scope Adjustment	1.00	LS	945,691.00 /LS	945,691
Rough Grading					986,875
31-22-16	Fine Grading				
4010	Site Fine Grading	32,947.00	SY	0.50 /SY	16,474
4010	Respread Topsoil	1,824.00	CY	7.50 /CY	13,680
Fine Grading					30,154
31-23-16	Excavation				
2010	5' Subgrade Remove/Replace @ East Ticket Building	170.00	CY	23.00 /CY	3,910
2010	5' Subgrade Remove/Replace @ East Concessions Building	663.00	CY	23.00 /CY	15,249
2010	5' Subgrade Remove/Replace @ West Concessions Building	1,081.00	CY	23.00 /CY	24,863
2010	5' Subgrade Remove/Replace @ Covered Penning/Warm-up	1,620.00	CY	23.00 /CY	37,260
2010	5' Subgrade Remove/Replace @ Expo Building	9,780.00	CY	23.00 /CY	224,940

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
31-23-16	Excavation				
2010	5' Subgrade Remove/Replace @ Monument Sign	261.00 CY	23.00 /CY	6,003	
2010	VE A01.00 - 5' Subgrade Remove/Replace @ Covered Penning/Warm-up	-1,620.00 CY	23.00 /CY	(37,260)	
2010	VE A03.00 - 5' Subgrade Remove/Replace @ East Concessions Building	-663.00 CY	23.00 /CY	(15,249)	
2010	VE A04.02 - 5' Subgrade Remove/Replace @ Expo Building	-474.00 CY	23.00 /CY	(10,902)	
2010	VE C02.01 - 5' Subgrade Remove/Replace @ Monument Sign	-214.148 CY	23.00 /CY	(4,925)	
	Excavation			243,889	
	318.12 Labor hours				
31-32-13	Soil Mixing Stabilization				
4010	Lime Stabilization Under Site Paving	21,965.00 SY	3.00 /SY	65,895	
	Soil Mixing Stabilization			65,895	
31-63-29	Drilled Concrete Piers And Shafts				
4010	Drilled Piers at Entry Canopy Footings	120.00 VLF	100.00 /VLF	12,000	
4010	Light Pole Bases	18.00 EA	2,500.00 /EA	45,000	
	Drilled Concrete Piers And Shafts			57,000	
32-11-23	Base Courses				
4010	Trailer Parking Area w/ 3" Flex Base	1,313.00 SY	10.00 /SY	13,130	
4010	VE C06.01 - Trailer Parking Area w/ 3" Flex Base	-1,313.00 SY	10.00 /SY	(13,130)	
32-12-16	Asphalt Paving				
4010	2 1/2" Paving w/ 9" Flex Base	1,980.00 SY	50.00 /SY	99,000	
4010	Crushed Base w/ Chip Seal Road Surface	9,078.00 SY	15.00 /SY	136,170	
4010	VE C09.01 - Crushed Base w/ Chip Seal Road Surface (inc. earthwork, lime stabilization, base, paving, drainage structures, etc.)	-1.00 LS	515,000.00 /LS	(515,000)	
	Asphalt Paving			(279,830)	
32-13-13	Concrete Paving				
4010	4" Sidewalk Paving	29,883.00 SF	5.25 /SF	156,886	
4010	6" Structural Paving @ Bldg. Drive Entrances	6,392.00 SF	6.25 /SF	39,950	
4010	6" Housekeeping Pads	289.00 SF	7.00 /SF	2,023	
	Concrete Paving			198,859	
32-15-40	Crushed Stone Surfacing				
4010	Crushed Stone Surfacing @ North Parking (existing to remain)				
32-16-13	Concrete Curbs And Gutters				
4010	Concrete Curbs And Gutters	634.00 LF	14.00 /LF	8,876	
4010	Concrete Ribbon Curbs	6,512.00 LF	12.00 /LF	78,144	
4010	VE C03.01 - Concrete Ribbon Curbs	-6,512.00 LF	12.00 /LF	(78,144)	
4010	VE C04.01 - Concrete Curbs And Gutters	-634.00 LF	14.00 /LF	(8,876)	

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
32-17-23	Pavement Markings				
4010	Fire Lane Striping	2,372.00	LF	0.25 /LF	593
4010	Re-Stripe Existing Parking Lot (NIC)	0.00	LS		
	Pavement Markings				593
32-18-00	Athletic And Recreational Surfacing				
4010	North Penning Crushed Base w/ Footing Mix Allowance	1,940.00	SY	45.00 /SY	87,300
4010	6" Existing Arena Footing Mix Allowance	3,598.00	CF	25.00 /CF	89,950
4010	VE A01.00 - North Penning Crushed Base w/ Footing Mix Allowance	-1,940.00	SY	45.00 /SY	(87,300)
	Athletic And Recreational Surfacing				89,950
32-31-13	Chain Link Fences And Gates				
4010	8' Chain Link Fencing & Gates	955.00	LF	45.00 /LF	42,975
4010	VE C07.01 - 8' Chain Link Fencing & Gates	79.00	LF	45.00 /LF	3,555
	Chain Link Fences And Gates				46,530
32-31-19	Decorative Metal Fences And Gates				
4010	Arena Decorative Metal Fencing	79.00	LF	189.00 /LF	14,931
4010	VE C07.01 - Arena Decorative Metal Fencing	-79.00	LF	189.00 /LF	(14,931)
32-84-00	Planting Irrigation				
4010	Permanent Irrigation @ Sod Areas	61,675.00	SF	0.65 /SF	40,089
4010	Temporary Irrigation @ Hydromulch Areas	51,310.00	SF	0.12 /SF	6,157
	Planting Irrigation				46,246
32-92-13	Hydro-Mulching				
4010	Hydro-Mulching	51,310.00	SF	0.02 /SF	1,026
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	700.40 /LS	(700)
	Hydro-Mulching				326
32-92-23	Sodding				
4010	Bermuda Sod	61,675.00	SF	0.41 /SF	25,287
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	17,258.650 /LS	(17,259)
	Sodding				8,028
32-93-13	Ground Cover				
4010	Ground Cover Planting Allowance	1.00	EA	25,000.00 /EA	25,000
4010	VE C01.01 - Targeted Landscape Savings	-1.00	EA	17,062.75 /EA	(17,063)
	Ground Cover				7,937
32-93-43	Trees				
4010	6" Caliper Trees	17.00	EA	3,800.00 /EA	64,600
4010	VE C01.01 - Targeted Landscape Savings	-1.00	EA	44,090.45 /EA	(44,090)

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
	Trees			20,510	
32-94-13	Landscape Edging				
4010	Landscape Edging	518.00	LF	7.00 /LF	3,626
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	2,474.81 /LS	(2,475)
	Landscape Edging			1,151	
32-96-00	Transplanting				
4010	Existing Tree Relocation Allowance	2.00	EA	2,500.00 /EA	5,000
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	3,412.59 /LS	(3,413)
	Transplanting			1,587	
33-01-00	Existing Utilities				
4010	Remove Existing Water Lines	797.00	LF	10.00 /LF	7,970
4010	Remove Existing Sanitary Lines	820.00	LF	10.00 /LF	8,200
	Existing Utilities			16,170	
33-11-16	Site Water Utility Distribution Piping				
4010	8" DI Site Water Utility Distribution Piping	604.00	LF	76.00 /LF	45,904
4010	3" PVC Site Water Utility Distribution Piping	33.00	LF	10.00 /LF	330
4010	6" DI Fire Water Distribution Piping	64.00	LF	55.00 /LF	3,520
4010	3" PVC Domestic Water Piping for West Wash Bay	99.00	LF	10.00 /LF	990
4020	Site Water Fire Hydrants	2.00	EA	2,500.00 /EA	5,000
4030	2" Site Water Domestic Meter Assy	1.00	EA	10,000.00 /EA	10,000
4030	2" Site Water Domestic Meter for West Wash Bay	1.00	EA	10,000.00 /EA	10,000
	Site Water Utility Distribution Piping			75,744	
33-31-13	Sanitary Utility Sewerage Piping				
4010	4.0' Precast Sanitary Manholes	1.00	EA	2,900.00 /EA	2,900
4010	8" SDR Sanitary Piping	209.00	LF	23.00 /LF	4,807
4010	10" SDR Sanitary Piping	40.00	LF	34.00 /LF	1,360
4010	4.0' Precast Sanitary Manholes for West Wash Bay	3.00	EA	2,900.00 /EA	8,700
4010	8" SDR Sanitary Piping for West Wash Bay	89.00	LF	23.00 /LF	2,047
4010	10" SDR Sanitary Piping for West Wash Bay	862.00	LF	34.00 /LF	29,308
	Sanitary Utility Sewerage Piping			49,122	
33-47-26	Storm Drainage Ponds And Reservoirs				
4010	Retention Pond Expansion Allowance	1.00	EA	50,000.00 /EA	50,000
	Storm Drainage Ponds And Reservoirs			50,000	

Estimate Totals

Description	Amount	Totals	Rate
	8,958,481	8,958,481	
Construction Mar Contingency	1,125,460		
Owner's Contingency	253,228		
Construction Mar Fee	640,904		6.200 %
Total		10,978,073	

TAB 10

VALUE ENGINEERING





Value Engineering Analysis

June 22, 2015 Budget Proposal

No.	Description	Alternate ¹	Date	Trade	Area	Status	Decision Date	Targeted Savings		Total Value	Alt	Notes
								(Cost of Work)	(Mark-ups) ²			
Architectural												
Gross Areas												
01.00	Omit Covered Penning Building w/ no Replacement	Y	6/22/2015	Architectural	Covered Penning	Accepted	6/22/2015	\$ (701,839)	\$ (43,514)	\$ (745,353)		
01.02	Omit Covered Penning & add windscreens to north elevation openings of Existing Arena		6/22/2015	Architectural	Covered Penning	Pricing						
01.03	Add wall panels at north, east & west elevations of Covered Penning		6/22/2015	Architectural	Covered Penning	\$ 40,332	6/22/2015	\$ (738,611)	\$ (45,794)	\$ (784,405)		
01.04	Add windscreens at north, east & west elevations of Covered Penning w/ no doors		6/22/2015	Architectural	Covered Penning	Pricing						
01.05	Fabric structure at Covered Penning in lieu of PEMB		6/22/2015	Architectural	Covered Penning	Pricing						
02.00	Omit West Concessions Building		6/22/2015	Architectural	West Concessions	Rejected	6/22/2015	\$ (738,611)	\$ (45,794)	\$ (784,405)		
03.00	Omit East Concessions	Y	6/22/2015	Architectural	East Concessions	Accepted	6/22/2015	\$ (541,492)	\$ (33,573)	\$ (575,065)		
04.01	Omit Covered Expo Building		6/22/2015	Architectural	Covered Penning	Pending N	6/22/2015	\$ (2,019,548)	\$ (125,212)	\$ (2,144,760)		
04.02	Omit Storage Areas at Covered Expo	Y	6/22/2015	Architectural	Covered Penning	Accepted	6/22/2015	\$ (265,990)	\$ (16,491)	\$ (282,481)		
Glass & Glazing												
05.01	Change exterior glass from SNX62/27 Low E on Ultra White to SNX62/27 Low E on Clear		6/22/2015	Architectural	Expo	Pending N		\$ (2,310)	\$ (143)	\$ (2,453)		
05.02	Change finish on aluminum framing from 3 coat paint to class I clear anodize		6/22/2015	Architectural	Expo	Pending N		\$ (8,460)	\$ (525)	\$ (8,985)		
Windscreens												
06.01	Omit Windscreens from Existing Arena		6/22/2015	Architectural	Existing Arena	Pending N		\$ (223,928)	\$ (13,884)	\$ (237,812)		
06.02	Relocate Existing Arena windscreens from above existing grade beam thereby omitting grade beam demolition	Y	6/22/2015	Architectural	Expo	Accepted		\$ (42,900)	\$ (2,660)	\$ (45,560)		
Painting												
08.01	Omit painting at Covered Penning		6/22/2015	Architectural	Covered Penning	Pending N		\$ (20,093)	\$ (1,246)	\$ (21,339)		
09.01	Omit painting at Existing Arena	OUT	6/22/2015	Architectural	Existing Arena	Accepted		\$ (61,587)	\$ (3,818)	\$ (65,405)		
Wood Ceilings												
10.01	Pecan Wood in lieu of WD-2		6/22/2015	Architectural	Expo	Pending N		\$ (43,000)	\$ (2,666)	\$ (45,666)		
10.02	CL1 Acoustical Ceilings at Meeting Room 104 & Conference Room 116 at \$3.50/sf in lieu of WD-2 Wood Ceilings	CD	6/22/2015	Architectural	Expo	Accepted		\$ (63,630)	\$ (3,945)	\$ (67,575)		
10.03	Decorative Acoustical Ceiling Allowance of \$10.00/sf in lieu of WD-2 Wood Ceilings at Vestibule & Prefunction Spaces	CD	6/22/2015	Architectural	Expo	Accepted		\$ (69,184)	\$ (4,289)	\$ (73,473)		
Miscellaneous												
11.01	Omit footing mix at Covered Penning		6/22/2015	Architectural	Covered Penning	Pending N		\$ (87,300)	\$ (5,413)	\$ (92,713)		
12.01	Entry Trellis Canopy		6/22/2015	Architectural	Expo	Pending N		\$ (53,400)	\$ (3,311)	\$ (56,711)		
13.01	Omit Transformer Screen	Y	6/22/2015	Architectural	Site	Accepted		\$ (14,718)	\$ (913)	\$ (15,631)		
14.01	Omit Existing Arena Restroom Renovations	Y	6/22/2015	Architectural	Existing Arena	Accepted		\$ (30,343)	\$ (1,881)	\$ (32,224)		
15.01	Omit Operable Partition @ Enclosed Expo		7/1/2015	Architectural	Expo	Rejected		\$ (95,202)	\$ (5,903)	\$ (101,105)		
16.01	Omit Manure Management Area	Y	7/1/2015	Architectural	Expo	Accepted		\$ (24,859)	\$ (1,541)	\$ (26,400)		
Electrical												
01.01	Targeted Existing Arena Exterior Lighting Savings	Y	6/22/2015	Electrical	Existing Arena	Accepted		\$ (18,750)	\$ (1,163)	\$ (19,913)		
02.01	Targeted Existing Arena Interior Lighting Savings	Y	6/22/2015	Electrical	Existing Arena	Accepted		\$ (100,000)	\$ (6,200)	\$ (106,200)		
03.01	Expo Lighting from LED to Fluorescent	Y	6/22/2015	Electrical	Existing Arena	Accepted		\$ (60,000)	\$ (3,720)	\$ (63,720)		
04.01	Reduce Electrical Service		6/22/2015	Electrical	Expo	Pricing		\$ -	\$ -	\$ -		
05.01	Aluminum Main Feeder Conductors vs. Copper	Y			Site	Accepted		\$ (50,000)	\$ (3,100)	\$ (53,100)		
06.01	Targeted AV / PA Savings	Y			Expo	Accepted		\$ (50,000)	\$ (3,100)	\$ (53,100)		
	Circuit number reduction at Expo Building											
Fire Sprinkler												

No.	Description	Alternate ¹	Date	Trade	Area	Status	Decision Date	Targeted Savings		Total Value	Alt	Notes
									(Cost of Work)	(Walk-ups) ¹		
Mechanical												
01.01	Fans @ Covered Penning		6/22/2015	Mechanical	Covered Penning	Pending N		\$	(30,000)	\$	(1,860)	\$ (31,860)
02.01	Fans @ Existing Arena	Y	6/22/2015	Mechanical	Existing Arena	Accepted		\$	(60,000)	\$	(3,720)	\$ (63,720)
03.01	Fans @ Covered Expo	Y	6/22/2015	Mechanical	Expo	Accepted		\$	(19,500)	\$	(1,209)	\$ (20,709)
04.01	Fans @ Enclosed Expo	Y	6/22/2015	Mechanical	Expo	Accepted		\$	(13,000)	\$	(806)	\$ (13,806)
05.01	Radiant Tube Heaters @ Covered Expo	Y	6/22/2015	Mechanical	Expo	Accepted		\$	(30,833)	\$	(1,912)	\$ (32,745)
Plumbing												
Structural												
01.01	Fall Protection System @ Covered Penning	OUT	6/22/2015	Structural	Covered Penning	Pending N	6/22/2015	\$	(20,117)	\$	(1,247)	\$ (21,364)
02.01	Fall Protection System @ Existing Arena	OUT	6/22/2015	Structural	Existing Arena	Accepted	6/22/2015	\$	(52,575)	\$	(3,260)	\$ (55,835)
03.01	Fall Protection System @ Expo Building	OUT	6/22/2015	Structural	Expo	Accepted	6/22/2015	\$	(38,627)	\$	(2,395)	\$ (41,022)
04.01	Remove 6" Slab-on-Grade @ Covered Expo	Y	6/22/2015	Structural	Expo	Accepted		\$	(150,000)	\$	(9,300)	\$ (159,300)
Civil & Utilities												
01.01	Targeted Landscape Savings	Y	6/22/2015	Civil	Site	Accepted		\$	(85,000)	\$	(5,270)	\$ (90,270)
02.01	Reduce Monument Sign to \$10k Allowance	Y	6/22/2015	Civil	Site	Accepted		\$	(70,457)	\$	(4,368)	\$ (74,825)
03.01	Omit Site Ribbon Curbs	COORD	6/22/2015	Civil	Site	Accepted		\$	(78,144)	\$	(4,845)	\$ (82,989)
04.01	Omit Curb & Gutters	COORD	6/22/2015	Civil	Site	Accepted		\$	(8,876)	\$	(550)	\$ (9,426)
05.01	Omit Fire Lane Striping		6/22/2015	Civil	Site	Rejected		\$	(593)	\$	(37)	\$ (630)
06.01	Existing flex base to remain in lieu of 3" new at north trailer parking	Y	6/22/2015	Civil	Site	Accepted		\$	(13,130)	\$	(814)	\$ (13,944)
07.01	Chain link fencing & gates at main entry in lieu of decorative metal system	Y	6/22/2015	Civil	Site	Accepted		\$	(11,376)	\$	(705)	\$ (12,081)
08.01	Civil & Utilities Scope Adjustment		7/1/2015	Civil	Site	Accepted		\$	945,691	\$	58,633	\$ 1,004,324
09.01	Eliminate North & West Drives	Y	7/1/2015	Civil	Site	Accepted		\$	(515,000)	\$	(31,930)	\$ (546,930)
10.01	Reduce Utilities Contingency		7/1/2015	Civil	Site			\$	(166,000)	\$	-	\$ (166,000)
										\$		\$

Cost Projection Summary

June 22, 2015 Budget Proposal	\$	13,416,551
Sum of "Accepted" VE Items	\$	(2,438,478)

June 22, 2015 Budget Proposal & Accepted Alternates

	\$	10,978,073
Sum of "pending Y" VE Items	\$	-

Current Projected Construction Cost (Baseline + Accepted + Pending Y)

	\$	10,978,073
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Alternate Summary by Area & Status

Count by Status	Pricing	Accepted	Rejected	Pending Y	Pending N	Total by Division
Expo	-	-	-	-	10	47
Enclosed Expo	16	\$ (533,690)	\$ (101,105)	\$ -	\$ (113,815)	\$ -
Covered Expo	-	\$ -	\$ -	\$ -	\$ -	\$ (748,609)
Existing Arena	8	\$ (407,017)	\$ -	\$ -	\$ (237,812)	\$ -
East Concessions	1	\$ (575,065)	\$ -	\$ -	\$ -	\$ (644,828)
West Concessions	1	\$ -	\$ (784,405)	\$ -	\$ -	\$ (575,065)
Covered Penning	11	\$ (1,027,834)	\$ -	\$ -	\$ (2,312,036)	\$ -
Site	12	\$ 105,127	\$ (630)	\$ -	\$ -	\$ (3,339,870)
Subtotal by Status	49	\$ (2,438,478)	\$ (886,139)	\$ -	\$ (2,663,662)	\$ -
		\$	\$	\$	\$	\$ (5,988,279)

Footnotes

¹ Alternate column legend:

Y - Items to be detailed and noted as Alternate in final Construction Documents

OUT - Scope to be removed from project.

CD - Scope to be incorporated into Base Bid of final Construction Documents.

COORD - Coordinate VE scope with revised civil documents

***Williamson County Expo Center
GMP Value Engineering Break-Down
July 16, 2015***

Architect

Populous, Inc.

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>		<u>Unit Cost</u>	<u>Amount</u>
A01.00 - Coverd Pen					
01-00-02	Subcontractor Bonds				
9007.1	VE A01.00 - Covered Penning - Subcontractor Bonds	-1.00	LS	8,360.00 /LS	(8,360)
	Subcontractor Bonds				(8,360)
01-57-16	Temporary Pest Control				
0010	VE A01.00 - Covered Penning - Pre-Occupancy Extermination	-17,458.00	SF	0.02 /SF	(279)
	Temporary Pest Control				(279)
01-71-23	Field Engineering				
0010	VE A01.00 - Covered Penning - Survey & Layout	-17,458.00	SF	0.16 /SF	(2,791)
	Field Engineering				(2,791)
01-74-19	Construction Waste Management And Disposal				
3022.1	VE A01.00 - Covered Penning - Dumpster Service	-17,458.00	SF	0.16 /SF	(2,791)
	Construction Waste Management And Disposal				(2,791)
03-31-00	Structural Concrete				
2020	VE A01.00 - Covered Penning Spread Footings	-84.00	CY	459.50 /CY	(38,598)
	Structural Concrete				(38,598)
05-15-16	Steel Wire Rope Assemblies				
4010	VE A01.00 - Fall Protection Cable System	-463.00	LF	43.45 /LF	(20,117)
	Steel Wire Rope Assemblies				(20,117)
09-91-00	Painting				
4010	VE A01.00 - Covered Penning Interior & Exterior Painting	-17,458.00	SF	1.151 /SF	(20,093)
	Painting				(20,093)
13-34-19	Metal Building Systems				
4010	VE A01.00 - Covered Penning Pre-Engineered Metal Building Systems	-17,458.00	SF	12.88 /SF	(224,859)
	Metal Building Systems				(224,859)
21-13-16	Dry-Pipe Sprinkler Systems				
4010	VE A01.00 - Covered Penning Structure	-17,458.00	SF	2.56 /SF	(44,650)
	Dry-Pipe Sprinkler Systems				(44,650)
22-00-01	Plumbing General				
4020	VE A01.00 - Covered Penning Plumbing Systems	-17,458.00	SF	0.80 /SF	(13,953)

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>		<u>Unit Cost</u>	<u>Amount</u>
	Plumbing General				(13,953)
23-34-13	Axial HVAC Fans				
4010	VE A01.00 - Arena 24' Low Speed High Volume Fans	-4.00	EA	7,500.00 /EA	(30,000)
	Axial HVAC Fans				(30,000)
26-00-01	Electrical General				
4010	VE A01.00 - Power & Lighting @ Covered Penning	-17,458.00	SF	9.783 /SF	(170,788)
	Electrical General				(170,788)
31-23-16	Excavation				
2010	VE A01.00 - 5' Subgrade Remove/Replace @ Covered Penning/Warm-up	-1,620.00	CY	23.00 /CY	(37,260)
	Excavation				(37,260)
	-48.60 Labor hours				
32-18-00	Athletic And Recreational Surfacing				
4010	VE A01.00 - North Penning Crushed Base w/ Footing Mix Allowance	-1,940.00	SY	45.00 /SY	(87,300)
	Athletic And Recreational Surfacing				(87,300)
	A01.00 - Coverd Pen				(701,839)
	-48.60 Labor hours				
A01.03 - Penning Wa					
08-33-23	Overhead Coiling Doors				
4010	VE A01.03 - Covered Expo Overhead Coiling Doors	4.00	EA	3,500.00 /EA	14,000
	Overhead Coiling Doors				14,000
13-34-19	Metal Building Systems				
4010	VE A01.03 - Add Walls @ North Covered Penning	17,548.00	SF	1.50 /SF	26,322
	Metal Building Systems				26,322
	A01.03 - Penning Wa				40,322
A03.00 - East Conce					
01-00-02	Subcontractor Bonds				
9007.1	VE A03.00 - East Concessions - Subcontractor Bonds	-1.00	LS	6,308.00 /LS	(6,308)
	Subcontractor Bonds				(6,308)
01-57-16	Temporary Pest Control				
0010	VE A03.00 - East Concessions - Pre-Occupancy Extermination	-2,097.00	SF	0.01 /SF	(21)

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>	<u>Unit Cost</u>	<u>Amount</u>	
	Temporary Pest Control			(21)	
01-71-23	Field Engineering				
0010	VE A03.00 - East Concessions - Survey & Layout	-2,097.00	SF	0.10 /SF	(210)
	Field Engineering			(210)	
01-74-19	Construction Waste Management And Disposal				
3022.1	VE A03.00 - East Concessions - Dumpster Service	-2,097.00	SF	0.25 /SF	(524)
	Construction Waste Management And Disposal			(524)	
01-74-23	Final Cleaning				
3092.2	VE A03.00 - East Concessions/Restroom Final Cleaning	-2,356.00	SF	0.18 /SF	(424)
	Final Cleaning			(424)	
03-31-00	Structural Concrete				
2020	VE A03.00 - East Concessions Building Footings & Grade Beams	-21.00	CY	459.50 /CY	(9,649)
2020	VE A03.00 - East Concessions Building 4" Slab-on-Grade	-902.00	SF	5.421 /SF	(4,890)
2020	VE A03.00 - East Concessions Building 6" Slab-on-Grade	-1,454.00	SF	6.513 /SF	(9,469)
	Structural Concrete			(24,009)	
04-22-00	Concrete Unit Masonry				
4020	VE A03.00 - East Concession 8" Split Faced CMU	-3,004.00	SF	17.00 /SF	(51,068)
4020	VE A03.00 - East Concession 8" Burnished CMU	-1,000.00	SF	20.00 /SF	(20,000)
4020	VE A03.00 - East Concession 8" Grey Block CMU	-3,308.00	SF	12.00 /SF	(39,696)
	Concrete Unit Masonry			(110,764)	
05-12-23	Structural Steel For Buildings				
4010	VE A03.00 - Structural Steel & Decking Fabrication/Erection	-3.00	TN	5,000.00 /TN	(15,000)
	Structural Steel For Buildings			(15,000)	
07-19-19	Silicone Water Repellents				
4010	VE A03.00 - East Concessions Masonry Sealer	-4,004.00	SF	0.50 /SF	(2,002)
	Silicone Water Repellents			(2,002)	
07-42-93	Soffit Panels				
4010	VE A03.00 - Premium Metal Soffit Panels	-344.00	SF	12.50 /SF	(4,300)
	Soffit Panels			(4,300)	
07-46-46	Mineral -Fiber Cement Siding				
4010	VE A03.00 - East Concessions Fiber Cement Panel	-312.00	SF	15.25 /SF	(4,758)

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
	Mineral -Fiber Cement Siding			(4,758)	
07-54-23	Thermoplastic-Polyolefin Roofing				
4010	VE A03.00 - Thermoplastic-Polyolefin Roofing	-2,302.00	SF	12.75 /SF	(29,351)
	Thermoplastic-Polyolefin Roofing			(29,351)	
08-11-14	Hollow Metal Doors and Frames				
4010	VE A03.00 - East Concessions - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	-6.00	EA	1,989.00 /EA	(11,934)
	Hollow Metal Doors and Frames			(11,934)	
08-33-13	Coiling Counter Doors				
4010	VE A03.00 - Overhead Coiling Counter Doors	-2.00	EA	3,750.00 /EA	(7,500)
	Coiling Counter Doors			(7,500)	
09-21-16	Gypsum Board Assemblies				
4010	VE A03.00 - Drywall Framing & Sheathing	-1,989.00	SF	0.48 /SF	(955)
	Gypsum Board Assemblies			(955)	
09-30-13	Ceramic Tiling				
4010	VE A03.00 - T3 - Ceramic Tile	-829.00	SF	17.00 /SF	(14,093)
4010	VE A03.00 - T4 - Ceramic Tile	-260.00	SF	17.50 /SF	(4,550)
	Ceramic Tiling			(18,643)	
09-51-13	Acoustical Panel Ceilings				
4010	VE A03.00 - CL3 Acoustical Tile Ceilings	-775.00	SF	4.50 /SF	(3,487)
	Acoustical Panel Ceilings			(3,487)	
09-91-00	Painting				
4010	VE A03.00 - East Concessions Interior & Exterior Painting	-2,097.00	SF	3.33 /SF	(6,983)
	Painting			(6,983)	
10-14-23	Panel Signage				
4010	VE A03.00 - East Concessions - Restroom Signs	-2.00	EA	132.00 /EA	(264)
4010	VE A03.00 - East Concessions - Room Signs	-6.00	EA	104.00 /EA	(624)
4010	VE A03.00 - East Concessions - Allowance for Directional Signage	-1.00	EA	750.00 /EA	(750)
	Panel Signage			(1,638)	
10-21-13	Toilet Compartments				
4010	VE A03.00 - Toilet Compartments (Stainless Steel Floor Anchored)	-15.00	EA	1,200.00 /EA	(18,000)
4010	VE A03.00 - Urinal Screens	-3.00	EA	550.00 /EA	(1,650)
	Toilet Compartments			(19,650)	
10-28-13	Toilet Accessories				
4040	VE A03.00 - T01 - Paper Towel Dispenser/Receptacle	-4.00	EA	350.00 /EA	(1,400)
4040	VE A03.00 - T05 - Toilet Seat Protector	-15.00	EA	200.00 /EA	(3,000)

				Total	
Item	Description	Takeoff Qty	Unit Cost	Amount	
10-28-13	Toilet Accessories				
4040	VE A03.00 - T06 - Toilet Tissue Dispenser	-15.00 EA	50.00 /EA	(750)	
4040	VE A03.00 - T07 - Horizontal Baby Station	-2.00 EA	300.00 /EA	(600)	
4040	VE A03.00 - T09.42 - 42" Grab Bar	-2.00 EA	80.00 /EA	(160)	
4040	VE A03.00 - T09.48 - 48" Grab Bar	-6.00 EA	100.00 /EA	(600)	
4040	VE A03.00 - T09V - 18" Vertical Grab Bar	-5.00 EA	60.00 /EA	(300)	
4040	VE A03.00 - T11 - Soap Dispenser	-4.00 EA	80.00 /EA	(320)	
4040	VE A03.00 - T13 - 18"x36" Framed Mirror	-6.00 EA	150.00 /EA	(900)	
4040	VE A03.00 - T13 - 24"x72" Framed Mirror	-1.00 EA	375.00 /EA	(375)	
4040	VE A03.00 - T15 - Sanitary Napkin Vendor	-1.00 EA	615.00 /EA	(615)	
4040	VE A03.00 - T16 - Sanitary Napkin Receptacle	-13.00 EA	270.00 /EA	(3,510)	
4040	VE A03.00 - T18 - Mop/Broom Holder	-1.00 EA	150.00 /EA	(150)	
4040	VE A03.00 - T19 - Accessible Coat Hook	-15.00 EA	39.00 /EA	(585)	
4040	VE A03.00 - T20 - Wall Mnt. Coat Hook	-3.00 EA	39.00 /EA	(117)	
4040	VE A03.00 - T21 - Shelf	-1.00 EA	125.00 /EA	(125)	
	Toilet Accessories				(13,507)
10-44-16	Fire Extinguishers				
4020	VE A03.00 - Fire Extinguisher - Allowance	-1.00 EA	315.00 /EA	(315)	
	Fire Extinguishers				(315)
11-44-00	Food Cooking Equipment				
4010	VE A03.00 - Freestanding Stainless Steel Counters	-39.00 LF	150.00 /LF	(5,850)	
4010	VE A03.00 - 3 Compartment Sink w/ Drying Area	-1.00 EA	1,500.00 /EA	(1,500)	
4010	Foodservice Equipment (ref. FF&E)	0.00 EA			
	Food Cooking Equipment				(7,350)
12-00-01	Furniture, Fixtures & Equipment				
4010	Soda System (by vendor)	0.00 LS			
12-36-16	Metal Countertops				
4010	VE A03.00 - Stainless Steel Countertops	-77.00 SF	185.00 /SF	(14,245)	
	Metal Countertops				(14,245)
22-00-01	Plumbing General				
4020	VE A03.00 - East Concessions Plumbing Systems	-2,097.00 SF	60.00 /SF	(125,820)	
	Plumbing General				(125,820)
23-00-01	HVAC General				
4010	VE A03.00 - East Concessions Building Mechanical Systems	-2,097.00 GSF	22.00 /GSF	(46,134)	
	HVAC General				(46,134)
26-00-01	Electrical General				
4010	VE A03.00 - Power & Lighting @ East Concessions	-2,097.00 EA	24.04 /EA	(50,412)	
	Electrical General				(50,412)
27-42-13	Point of Sale Systems				

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>	<u>Unit Cost</u>	<u>Amount</u>	
27-42-13	Point of Sale Systems				
4010	East Concessions Point of Sale Systems Allowance (ref. FF&E)	0.00 0			
31-23-16	Excavation				
2010	VE A03.00 - 5' Subgrade Remove/Replace @ East Concessions Building	-663.00 CY	23.00 /CY		(15,249)
	Excavation				(15,249)
	-19.89 Labor hours				
	A03.00 - East Conce				(541,492)
	-19.89 Labor hours				
A04.01 - Cover Expo					
01-74-23	Final Cleaning				
3092.2	VE A04.01 - Covered Expo Final Cleaning	-24,019.00 SF	0.18 /SF		(4,323)
	Final Cleaning				(4,323)
03-31-00	Structural Concrete				
2020	VE A04.01 - Covered Expo Footings & Grade Beams	-74.00 CY	459.50 /CY		(34,003)
2020	VE A04.01 - Covered Expo 6" Slab-on-Grade	-22,580.00 SF	6.513 /SF		(147,056)
2020	VE A04.01 - Covered Expo Storage Footings & Grade Beams	-21.00 CY	459.50 /CY		(9,649)
2020	VE A04.01 - Covered Expo Storage 4" Slab-on-Grade	-902.00 SF	5.421 /SF		(4,890)
2020	VE A04.01 - Covered Expo Storage 6" Slab-on-Grade	-1,454.00 SF	6.513 /SF		(9,469)
	Structural Concrete				(205,068)
04-22-00	Concrete Unit Masonry				
4020	VE A04.01 - Covered Expo 12" Burnished CMU	-290.00 SF	22.00 /SF		(6,380)
4020	VE A04.01 - Covered Expo 12" Split Faced CMU	-4,203.00 SF	19.00 /SF		(79,857)
4020	VE A04.01 - Covered Expo 8" Split Faced CMU	-2,957.00 SF	17.00 /SF		(50,269)
	Concrete Unit Masonry				(136,506)
05-12-23	Structural Steel For Buildings				
4010	VE A04.01 - Covered Expo Structural Steel & Decking Fabrication/Erection	-5.20 TN	5,000.00 /TN		(26,000)
	Structural Steel For Buildings				(26,000)
05-71-00	Miscellaneous Steel				
4010	VE A04.01 - Covered Expo Bollards - Fabricate & Deliver	-23.00 EA	500.00 /EA		(11,500)
4010	VE A04.01 - Covered Expo Freeze Proof Hydrant Protection	-2.00 EA	500.00 /EA		(1,000)
4010	VE A04.01 - Covered Expo Wash Rack	-50.00 LF	150.00 /LF		(7,500)

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>	<u>Unit Cost</u>	<u>Amount</u>	
	Miscellaneous Steel				(20,000)
07-19-19	Silicone Water Repellents				
4010	VE A04.01 - Covered Expo Masonry Sealer	-7,450.00	SF	0.50 /SF	(3,725)
	Silicone Water Repellents				(3,725)
07-41-13	Metal Roof Panels				
4010	VE A04.01 - Covered Expo Storage Standing Seam Roof System	-2,485.00	SF	17.00 /SF	(42,245)
	Metal Roof Panels				(42,245)
08-11-14	Hollow Metal Doors and Frames				
4010	VE A04.01 - Covered Expo - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	-4.00	EA	1,989.00 /EA	(7,956)
	Hollow Metal Doors and Frames				(7,956)
08-33-23	Overhead Coiling Doors				
4010	VE A04.01 - Covered Expo Overhead Coiling Doors	-4.00	EA	3,500.00 /EA	(14,000)
	Overhead Coiling Doors				(14,000)
13-34-19	Metal Building Systems				
4010	VE A04.01 - Enclosed & Covered Expo Pre-Engineered Metal Building Systems	-22,561.00	SF	25.42 /SF	(573,501)
	Metal Building Systems				(573,501)
21-13-16	Dry-Pipe Sprinkler Systems				
4010	VE A04.01 - Covered Expo Halls	-24,421.00	SF	1.74 /SF	(42,493)
	Dry-Pipe Sprinkler Systems				(42,493)
22-00-01	Plumbing General				
4020	VE A04.01 - Covered Expo Covered Expo Plumbing Systems	-24,666.00	SF	5.00 /SF	(123,330)
	Plumbing General				(123,330)
26-00-01	Electrical General				
4010	VE A04.01 - Covered Expo Power & Lighting @ Covered Expo Building	-24,666.00	SF	27.14 /SF	(669,435)
	Electrical General				(669,435)
27-40-00	Audio-Video Communications				
4010	VE A04.01 - Covered Expo Covered PA/Loudspeaker Rough-in & Equipment	-23,515.00	SF	2.00 /SF	(47,030)
	Audio-Video Communications				(47,030)
31-23-16	Excavation				
2010	VE A04.01 - 5' Subgrade Remove/Replace @ Expo Building	-4,519.00	CY	23.00 /CY	(103,937)

				Total	
Item	Description	Takeoff Qty		Unit Cost	Amount
	Excavation				(103,937)
	-135.57 Labor hours				
	A04.01 - Cover Expo				(2,019,549)
	-135.57 Labor hours				
A04.02 - Expo Stor					
01-74-23	Final Cleaning				
3092.2	VE A04.02 - Covered Expo Storage Final Cleaning	-2,356.00	SF	0.18 /SF	(424)
	Final Cleaning				(424)
03-31-00	Structural Concrete				
2020	VE A04.02 - Covered Expo Storage Footings & Grade Beams	-21.00	CY	459.50 /CY	(9,649)
2020	VE A04.02 - Covered Expo Storage 4" Slab-on-Grade	-902.00	SF	5.421 /SF	(4,890)
2020	VE A04.02 - Covered Expo Storage 6" Slab-on-Grade	-1,454.00	SF	6.513 /SF	(9,469)
	Structural Concrete				(24,009)
04-22-00	Concrete Unit Masonry				
4020	VE A04.02 - Covered Expo Storage Area 8" Split Faced CMU	-2,949.00	SF	17.00 /SF	(50,133)
	Concrete Unit Masonry				(50,133)
05-12-23	Structural Steel For Buildings				
4010	VE A04.02 - Covered Expo Structural Steel & Decking Fabrication/Erection	-5.20	TN	5,000.00 /TN	(26,000)
	Structural Steel For Buildings				(26,000)
05-71-00	Miscellaneous Steel				
4010	VE A04.02 - Covered Expo Freeze Proof Hydrant Protection	-6.00	EA	500.00 /EA	(3,000)
4010	VE A04.02 - Covered Expo Wash Rack	-50.00	LF	150.00 /LF	(7,500)
	Miscellaneous Steel				(10,500)
07-41-13	Metal Roof Panels				
4010	VE A04.02 - Covered Expo Storage Standing Seam Roof System	-2,485.00	SF	17.00 /SF	(42,245)
	Metal Roof Panels				(42,245)
08-11-14	Hollow Metal Doors and Frames				
4010	VE A04.02 - Covered Expo - 3'-0" x 7'-2" - Metal Frames & Doors/Hardware	-4.00	EA	1,989.00 /EA	(7,956)
	Hollow Metal Doors and Frames				(7,956)
08-33-23	Overhead Coiling Doors				

				Total	
Item	Description	Takeoff Qty		Unit Cost	Amount
08-33-23	Overhead Coiling Doors				
4010	VE A04.02 - Covered Expo Overhead Coiling Doors	-4.00	EA	3,500.00 /EA	(14,000)
	Overhead Coiling Doors				(14,000)
21-13-16	Dry-Pipe Sprinkler Systems				
4010	VE A04.02 - Covered Expo Halls	-2,356.00	SF	1.74 /SF	(4,099)
	Dry-Pipe Sprinkler Systems				(4,099)
22-00-01	Plumbing General				
4020	VE A04.02 - Covered Expo Covered Expo Plumbing Systems	-2,356.00	SF	5.00 /SF	(11,780)
	Plumbing General				(11,780)
26-00-01	Electrical General				
4010	VE A04.02 - Covered Expo Power & Lighting @ Covered Expo Building	-2,356.00	SF	27.14 /SF	(63,942)
	Electrical General				(63,942)
31-23-16	Excavation				
2010	VE A04.02 - 5' Subgrade Remove/Replace @ Expo Building	-474.00	CY	23.00 /CY	(10,902)
	Excavation				(10,902)
	-14.22 Labor hours				
	A04.02 - Expo Stor				(265,990)
	-14.22 Labor hours				
A06.01 - Omit Wind					
02-41-13	Selective Site Demolition				
4000	VE A06.01 - Grade Beams for Windscreen Structures	-22.00	EA	1,950.00 /EA	(42,900)
	Selective Site Demolition				(42,900)
03-31-00	Structural Concrete				
2020	VE A06.01 - Arena Windscreen Footings	-44.00	LS	459.50 /LS	(20,218)
	Structural Concrete				(20,218)
05-71-00	Miscellaneous Steel				
4010	VE A06.01 - Existing Arena Windscreen Structures	-29.00	TN	5,000.00 /TN	(145,000)
	Miscellaneous Steel				(145,000)
10-73-16	Canopies				
4010	VE A06.01 - Windscreens @ Existing Arena	-7,905.00	SF	2.00 /SF	(15,810)

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>		<u>Unit Cost</u>	<u>Amount</u>
	Canopies				(15,810)
	A06.01 - Omit Wind				(223,928)
A06.02 - Wind Demo					
02-41-13	Selective Site Demolition				
4000	VE A06.02 - Grade Beams for Windscreen Structures	-22.00	EA	1,950.00 /EA	(42,900)
	Selective Site Demolition				(42,900)
	A06.02 - Wind Demo				(42,900)
A07.01 - Penning					
09-91-00	Painting				
4010	VE A07.01 - Covered Penning Interior & Exterior Painting	-17,458.00	SF	1.151 /SF	(20,093)
	Painting				(20,093)
	A07.01 - Penning				(20,093)
A09.01 - Arena Paint					
09-91-00	Painting				
4010	VE A09.01 - Existing Arena Interior & Exterior Painting	-61,587.00	SF	1.00 /SF	(61,587)
	Painting				(61,587)
	A09.01 - Arena Paint				(61,587)
A10.02 - Wood Ceilin					
06-42-13	Solid Lumber Paneling				
4010	VE A10.02 - Omit WD-2 - Wood Ceilings @ Conference & Meeting Rooms	-1,212.00	SF	56.00 /SF	(67,872)
	Solid Lumber Paneling				(67,872)
09-51-13	Acoustical Panel Ceilings				
4010	VE A10.02 - Enclosed Expo CL1 Acoustical Tile Ceilings	1,212.00	SF	3.50 /SF	4,242
	Acoustical Panel Ceilings				4,242
	A10.02 - Wood Ceilin				(63,630)
A10.03 - Entry Ceil					

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>	<u>Unit Cost</u>	<u>Amount</u>	
06-42-13	Solid Lumber Paneling				
4010	VE A10.03 - Omit WD-2 - Wood Ceilings @ Vestibule & Prefunction Spaces	-1,504.00	SF	56.00 /SF	(84,224)
	Solid Lumber Paneling				<u>(84,224)</u>
09-51-13	Acoustical Panel Ceilings				
4010	VE A10.03 - Specialty Decorative Ceiling Allowance	1,504.00	SF	10.00 /SF	15,040
	Acoustical Panel Ceilings				<u>15,040</u>
	A10.03 - Entry Ceil				(69,184)
A12.01 - Entry Trell					
03-31-00	Structural Concrete				
2020	VE A12.01 - Entry Canopy Column Footings	-4.00	CY	600.00 /CY	(2,400)
	Structural Concrete				<u>(2,400)</u>
05-71-00	Miscellaneous Steel				
4010	VE A12.01 - Entry Trellis	-7.00	TN	5,000.00 /TN	(35,000)
	Miscellaneous Steel				<u>(35,000)</u>
09-91-00	Painting				
4010	VE A12.01 - Omit Painting @ Entry Trellis	-1.00	LS	1,500.00 /LS	(1,500)
	Painting				<u>(1,500)</u>
26-00-01	Electrical General				
4010	VE A12.01 - Omit Power & Lighting at Entry Trellis	-1.00	LS	2,500.00 /LS	(2,500)
	Electrical General				<u>(2,500)</u>
31-63-29	Drilled Concrete Piers And Shafts				
4010	VE A12.01 - Drilled Piers at Entry Canopy Footings	-120.00	VLF	100.00 /VLF	(12,000)
	Drilled Concrete Piers And Shafts				<u>(12,000)</u>
	A12.01 - Entry Trell				(53,400)
A13.01 - Transformer					
05-71-00	Miscellaneous Steel				
4010	VE A13.01 - Transformer Screen Structure	-42.00	LF	150.00 /LF	(6,300)
	Miscellaneous Steel				<u>(6,300)</u>
07-42-13	Metal Wall Panels				
4010	VE A13.01 - Perforated Mechanical Screen @ Transformer Screen	-552.00	SF	15.25 /SF	(8,418)

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>		<u>Unit Cost</u>	<u>Amount</u>
	Metal Wall Panels				(8,418)
	A13.01 - Transformer				(14,718)
A14.01 - Exist Restr					
08-01-60	Door Restoration				
4010	VE A14.01 - Replace Hardware @ Existing Door	-3.00	EA	1,000.00 /EA	(3,000)
	Door Restoration				(3,000)
09-30-13	Ceramic Tiling				
4010	VE A14.01 - T3 - Ceramic Tile	-989.00	SF	17.00 /SF	(16,813)
4010	VE A14.01 - T4 - Ceramic Tile	-261.00	SF	17.50 /SF	(4,567)
	Ceramic Tiling				(21,381)
09-91-00	Painting				
4010	VE A14.01 - Existing Arena Interior & Exterior Painting	-1.00	LS	750.00 /LS	(750)
	Painting				(750)
10-14-23	Panel Signage				
4010	VE A14.01 - Existing Arena - Restroom Signs	-2.00	EA	132.00 /EA	(264)
	Panel Signage				(264)
10-28-13	Toilet Accessories				
4040	VE A14.01 - Enclosed Expo - T01 - Paper Towel Dispenser/Receptacle	-2.00	EA	350.00 /EA	(700)
4040	VE A14.01 - Enclosed Expo - T05 - Toilet Seat Protector	-2.00	EA	200.00 /EA	(400)
4040	VE A14.01 - Enclosed Expo - T06 - Toilet Tissue Dispenser	-2.00	EA	50.00 /EA	(100)
4040	VE A14.01 - Enclosed Expo - T07 - Horizontal Baby Station	-2.00	EA	300.00 /EA	(600)
4040	VE A14.01 - Enclosed Expo - T09.42 - 42" Grab Bar	-2.00	EA	80.00 /EA	(160)
4040	VE A14.01 - Enclosed Expo - T09.48 - 48" Grab Bar	-2.00	EA	100.00 /EA	(200)
4040	VE A14.01 - Enclosed Expo - T09V - 18" Vertical Grab Bar	-2.00	EA	60.00 /EA	(120)
4040	VE A14.01 - Enclosed Expo - T11 - Soap Dispenser	-2.00	EA	80.00 /EA	(160)
4040	VE A14.01 - Enclosed Expo - T13 - 18"x36" Framed Mirror	-2.00	EA	150.00 /EA	(300)
4040	VE A14.01 - Enclosed Expo - T20 - Wall Mnt. Coat Hook	-2.00	EA	39.00 /EA	(78)
	Toilet Accessories				(2,818)
10-44-16	Fire Extinguishers				
4020	VE A14.01 - Covered Expo Fire Extinguisher - Allowance	-2.00	EA	315.00 /EA	(630)

				Total	
Item	Description	Takeoff Qty		Unit Cost	Amount
	Fire Extinguishers				(630)
26-00-01	Electrical General				
4010	VE A14.01 - Power & Lighting Revisions @ Existing Arena	-1.00	LS	1,500.00 /LS	(1,500)
	Electrical General				(1,500)
	A14.01 - Exist Restr				(30,343)
A16.01 - Manure Mgt					
03-31-00	Structural Concrete				
2020	VE A16.01 - Manure Management Footings & Grade Beams	-11.00	CY	459.50 /CY	(5,054)
2020	VE A16.01 - Manure Management Slab-on-Grade	-934.00	SF	6.75 /SF	(6,304)
2020	VE A16.01 - Manure Management 10" CIP Walls	-19.00	CY	600.00 /CY	(11,400)
2020	VE A16.01 - Manure Management Concrete Credit Adjustment	1.00	LS	8,547.00 /LS	8,547
	Structural Concrete				(14,212)
04-22-00	Concrete Unit Masonry				
4020	VE A16.01 - Maneure Management Enclosed Expo 4" Split Faced CMU Veneer	-687.00	SF	15.00 /SF	(10,305)
	Concrete Unit Masonry				(10,305)
07-19-19	Silicone Water Repellents				
4010	VE A16.01 - Manure Management Masonry Sealer	-687.00	SF	0.50 /SF	(343)
	Silicone Water Repellents				(343)
	A16.01 - Manure Mgt				(24,861)
C01.01 - Landscape					
32-92-13	Hydro-Mulching				
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	700.40 /LS	(700)
	Hydro-Mulching				(700)
32-92-23	Sodding				
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	17,258.650 /LS	(17,259)
	Sodding				(17,259)
32-93-13	Ground Cover				
4010	VE C01.01 - Targeted Landscape Savings	-1.00	EA	17,062.75 /EA	(17,063)
	Ground Cover				(17,063)
32-93-43	Trees				
4010	VE C01.01 - Targeted Landscape Savings	-1.00	EA	44,090.45 /EA	(44,090)

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>		<u>Unit Cost</u>	<u>Amount</u>
	Trees				(44,090)
32-94-13	Landscape Edging				
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	2,474.81 /LS	(2,475)
	Landscape Edging				(2,475)
32-96-00	Transplanting				
4010	VE C01.01 - Targeted Landscape Savings	-1.00	LS	3,412.59 /LS	(3,413)
	Transplanting				(3,413)
	C01.01 - Landscape				(85,000)
C02.01 - Mnt. Sign					
03-31-00	Structural Concrete				
2020	VE C02.01 - Monument Sign Footings	-13.947	CY	459.53 /CY	(6,409)
2020	VE C02.01 - Monument Sign Slab-on-Grade (4")	-645.037	SF	5.42 /SF	(3,496)
	Structural Concrete				(9,905)
04-22-00	Concrete Unit Masonry				
4020	VE C02.01 - Monument Sign Split Faced CMU	-411.885	SF	17.00 /SF	(7,002)
4020	VE C02.01 - Monument Sign Cast Stone Cap	-589.93	SF	45.00 /SF	(26,547)
4020	VE C02.01 - Monument Sign Sand Fill	-87.79	CY	50.00 /CY	(4,390)
	Concrete Unit Masonry				(37,939)
05-71-00	Miscellaneous Steel				
4010	VE C02.01 - Monument Sign Structure	-0.82	LS	5,002.44 /LS	(4,102)
	Miscellaneous Steel				(4,102)
07-19-19	Silicone Water Repellents				
4010	VE C02.01 - Monument Sign Masonry Sealer	-411.885	SF	0.50 /SF	(206)
	Silicone Water Repellents				(206)
10-14-19	Dimensional Letter Signage				
4010	VE C02.01 - Monument Sign - Pin Mounted Letters	-0.82	EA	16,317.07 /EA	(13,380)
	Dimensional Letter Signage				(13,380)
31-23-16	Excavation				
2010	VE C02.01 - 5' Subgrade Remove/Replace @ Monument Sign	-214.148	CY	23.00 /CY	(4,925)
	Excavation				(4,925)
	-6.42 Labor hours				
	C02.01 - Mnt. Sign				(70,457)
	-6.42 Labor hours				

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>		<u>Unit Cost</u>	<u>Amount</u>
C03.01 - Ribbon Curb					
32-16-13	Concrete Curbs And Gutters				
4010	VE C03.01 - Concrete Ribbon Curbs	-6,512.00	LF	12.00 /LF	(78,144)
	Concrete Curbs And Gutters				(78,144)
	C03.01 - Ribbon Curb				(78,144)
C04.01 - Curb Gutter					
32-16-13	Concrete Curbs And Gutters				
4010	VE C04.01 - Concrete Curbs And Gutters	-634.00	LF	14.00 /LF	(8,876)
	Concrete Curbs And Gutters				(8,876)
	C04.01 - Curb Gutter				(8,876)
C06.01 - Pkg Base					
32-11-23	Base Courses				
4010	VE C06.01 - Trailer Parking Area w/ 3" Flex Base	-1,313.00	SY	10.00 /SY	(13,130)
	Base Courses				(13,130)
	C06.01 - Pkg Base				(13,130)
C07.01 - Dec Fence					
32-31-13	Chain Link Fences And Gates				
4010	VE C07.01 - 8' Chain Link Fencing & Gates	79.00	LF	45.00 /LF	3,555
	Chain Link Fences And Gates				3,555
32-31-19	Decorative Metal Fences And Gates				
4010	VE C07.01 - Arena Decorative Metal Fencing	-79.00	LF	189.00 /LF	(14,931)
	Decorative Metal Fences And Gates				(14,931)
	C07.01 - Dec Fence				(11,376)
C08.01 - Civil Adjus					
31-22-13	Rough Grading				
4010	VE C08.01 - Civil & Utilities Scope Adjustment	1.00	LS	945,691.00 /LS	945,691
	Rough Grading				945,691
	C08.01 - Civil Adjus				945,691

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>		<u>Unit Cost</u>	<u>Amount</u>
C09.01 - NW Drive					
32-12-16	Asphalt Paving				
4010	VE C09.01 - Crushed Base w/ Chip Seal Road Surface	-1.00	LS	515,000.00 /LS	(515,000)
	Asphalt Paving				(515,000)
	C09.01 - NW Drive				(515,000)
E01.01 - Arena Lght					
26-00-01	Electrical General				
4010	VE E01.01 - Targeted Exist Arena Exterior Light Savings	-1.00	LS	18,750.00 /LS	(18,750)
	Electrical General				(18,750)
	E01.01 - Arena Lght				(18,750)
E02.01 - Arena Lght					
26-00-01	Electrical General				
4010	VE E02.01 - Targeted Exist Arena Interior Light Savings	-1.00	LS	100,000.00 /LS	(100,000)
	Electrical General				(100,000)
	E02.01 - Arena Lght				(100,000)
E03.01 - Expo LED					
26-00-01	Electrical General				
4010	VE E03.01 - Expo Lighting from LED to Fluorescent	-1.00	LS	60,000.00 /LS	(60,000)
	Electrical General				(60,000)
	E03.01 - Expo LED				(60,000)
E05.01 - Alum Feed					
26-00-01	Electrical General				
4010	VE E05.01 - Alum. Main Feeder vs. Copper	-1.00	EA	50,000.00 /EA	(50,000)
	Electrical General				(50,000)
	E05.01 - Alum Feed				(50,000)
E06.01 - AV/PA					

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>		<u>Unit Cost</u>	<u>Amount</u>
27-40-00	Audio-Video Communications				
4010	VE 06.01 - Targeted AV/PA Savings	-1.00	SF	50,000.00 /SF	(50,000)
	Audio-Video Communications				(50,000)
	E06.01 - AV/PA				(50,000)
M02.01 - Arena Fans					
23-34-13	Axial HVAC Fans				
4010	VE M02.01 - Arena 24' Low Speed High Volume Fans	-8.00	EA	7,500.00 /EA	(60,000)
	Axial HVAC Fans				(60,000)
	M02.01 - Arena Fans				(60,000)
M03.01 - Expo Fans					
23-34-13	Axial HVAC Fans				
4010	VE M03.01 - Covered Expo 18' Low Speed High Volume Fans	-3.00	EA	6,500.00 /EA	(19,500)
	Axial HVAC Fans				(19,500)
	M03.01 - Expo Fans				(19,500)
M04.01 - Expo Fans					
23-34-13	Axial HVAC Fans				
4010	VE M04.01 - Enclosed Expo - 18' Low Speed High Volume Fans	-2.00	EA	6,500.00 /EA	(13,000)
	Axial HVAC Fans				(13,000)
	M04.01 - Expo Fans				(13,000)
M05.01 - Radiant Hea					
23-00-01	HVAC General				
4010	VE M05.01 - Covered Expo Covered Expo Mechanical Systems	-24,666.00	GSF	1.25 /GSF	(30,833)
	HVAC General				(30,833)
	M05.01 - Radiant Hea				(30,833)
S02.01 - Arena Cable					
05-15-16	Steel Wire Rope Assemblies				
4010	VE S02.01 - Fall Protection Cable System	-1,210.00	LF	43.45 /LF	(52,575)

				Total	
<u>Item</u>	<u>Description</u>	<u>Takeoff Qty</u>		<u>Unit Cost</u>	<u>Amount</u>
	Steel Wire Rope Assemblies				(52,575)
	S02.01 - Arena Cable				(52,575)
S03.01 - Expo Cable					
05-15-16	Steel Wire Rope Assemblies				
4010	VE S03.01 - Enclosed Expo Fall Protection Cable System	-889.00	LF	43.45 /LF	(38,627)
	Steel Wire Rope Assemblies				(38,627)
	S03.01 - Expo Cable				(38,627)
S04.01 - Expo Slab					
03-31-00	Structural Concrete				
2020	VE S04.01 - Covered Expo 6" Slab-on-Grade	-1.00	SF	150,000.00 /SF	(150,000)
	Structural Concrete				(150,000)
	S04.01 - Expo Slab				(150,000)

Estimate Totals

Description	Amount	Totals	Rate
	(4,572,767)	(4,572,767)	
Construction Mar Contingency	(457.277)		10.000 %
Owner's Contingency	(102.887)		2.250 %
Construction Mar Fee	(318.242)		6.200 %
Total		(5,451,173)	

