



MULTI-USE SPECIAL EVENTS CENTER

► **WORK AUTHORIZATION #3**

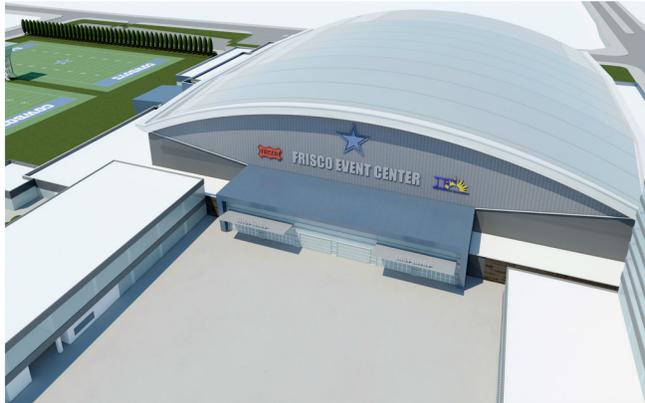
Mechanical, Electrical and Plumbing & Tower Crane Package
August 18, 2014



Manhattan

Building excellence.

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▶ Frisco Multi-Use Special Events Center

*Work Authorization #3
Mechanical, Electrical and Plumbing &
Tower Crane Package*

August 18, 2014

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SECTION ONE





Manhattan Construction Company
6300 North Central Expressway
Dallas, Texas 77006

214.357.7400 (office)
214.357.7789 (facsimile)
manhattanconstruction.com

August 18, 2014

Mr. Ron K. Patterson
Assistant City Manager
City of Frisco
6101 Frisco Square Blvd., 5th Floor
Frisco, Texas 75034

Ref: Frisco Multi-Use Special Event Center and Dallas Cowboys Headquarters
Request for Work Authorization for Bid Package No.3
Bid Package-03 Mechanical, Electrical, Plumbing and Tower Cranes

Dear Sir,

Under this Work Authorization, the City of Frisco authorizes Manhattan Construction Company to make the necessary commitments to proceed with the Scope of Work defined within this proposal and including Bid Package-03 Mechanical, Electrical, Plumbing and Tower Cranes for the above referenced project.

This Work Authorization is necessary to maintain the overall project schedule and also includes Manhattan Construction Company's associated General Conditions costs as specified in the AIA A133 Standard Form of Agreement.

The City of Frisco shall reimburse Manhattan Construction Company an amount not to exceed Five Million Five Hundred Twenty Nine Thousand Six Hundred Twelve Dollars (\$5,529,612.00), provided Manhattan Construction Company commits to provide and construct the Scope of Work affixed with in this proposal in accordance with the terms and conditions of the agreement AIA A133-2009 Standard Form of Agreement Between Owner and Construction Manager Acting As Constructor made as of the 4th Day of December in the Year Two Thousand and Thirteen.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Mark Penny', written over a horizontal line.

Mark Penny
Senior Vice President
Manhattan Construction Company

Approved,

A handwritten signature in blue ink, appearing to read 'George A. Purefoy', written over a horizontal line.

George A. Purefoy
City Manager
City of Frisco

SECTION TWO



**Frisco Multi-Use Special Events Center & Dallas Cowboys Headquarters
Frisco, Texas
Work Authorization #3 for City of Frisco**

**EXECUTIVE SUMMARY
August 18, 2014**

WORK AUTHORIZATION PROJECT COST:

This Work Authorization No. 3 is presented in detail below and includes the costs for Bid Package 03 Mechanical, Plumbing and Electrical Systems (MEP) as well as Manhattan Construction’s tower crane mobilization and rental costs for the months of October, November and December of 2014 for the Multi-Use Special Event Center and Parking Garage projects. The cost for the underground MEP work is based on the Frisco Multi-Use Event Center Underground Package documents and the Dallas Cowboys Headquarters Underground Package documents both prepared by Gensler and Henderson Engineers dated July 1, 2014, and July 18, 2014. Additional documents are the Geotechnical Reports prepared by Alliance Geotechnical Group for The City of Frisco Dated April 15, 2014; for the Blue Star Land Dated April 22, 2014 and the Supplementary Geotechnical Recommendations Dated May 15, 2014; along with the attached clarifications.

WORK AUTHORIZATION #3 COST SUMMARY:

BP#3A&3B – Mechanical/Plumbing & Electrical Combination	3,754,501.00
Tower Cranes – Rental (Oct. – Dec. 2014)	1,109,000.00
Tower Cranes – Foundations	210,000.00
Allowance for Tower Crane Electricity Consumption	63,000.00
<u>General Conditions for MEP & BIM Coordination through Dec. 2014</u>	<u>140,000.00</u>
Total Direct Cost:	5,276,501.00
<u>Construction Manager’s Contingency</u>	<u>105,530.00</u>
Total Cost (Including CM Contingency):	5,382,031.00
Construction Manager’s Fee:	101,182.00
<u>Construction Manager’s Performance and Payment Bond Premium</u>	<u>46,399.00</u>
TOTAL PROJECT BUDGET APPROVAL:	\$5,529,612.00

Frisco Multi-Use Special Event Center & Dallas Cowboys Headquarters

Work Authorization #3 for City of Frisco

August 18, 2014

CLARIFICATIONS:

Work Authorization No. 3 has been provided per the following clarifications:

1. DOCUMENT ACKNOWLEDGEMENT:

- A. This Work Authorization is based on the Frisco Multi-Use Event Center Underground Package documents and the Dallas Cowboys Headquarters Underground Package documents both prepared by Gensler and Henderson Engineers dated July 1, 2014, and July 18, 2014. Additional documents are the Geotechnical Reports prepared by Alliance Geotechnical Group for The City of Frisco Dated April 15, 2014; for the Blue Star Land Dated April 22, 2014 and the Supplementary Geotechnical Recommendations Dated May 15, 2014.
- B. Reference the attached document log for a complete listing of drawings and specifications that are included in this work authorization

2. INSURANCE & BONDS:

- A. This Work Authorization includes the premium costs for Manhattan Construction Company (hereafter referenced as Manhattan) to provide a payment and performance bond to the Owner for all work covered by this Scope of Work.
- B. Cost for Subguard Insurance on all subcontracts is included.
- C. The Owners are assumed to be providing their own Protective Liability Insurance and therefore it is not included in the amounts above.
- D. Builder's Risk Insurance is to be provided by the Owner.
- E. Rental Insurance coverage of the Tower Cranes is included.
- F. This Work Authorization includes the cost for Foundation Building Permit Fees.

3. GEOTECHNICAL & MATERIALS TESTING:

- A. Manhattan has not included any provisions for material testing and inspections; this cost is to be paid by the Owner.

4. MOBILIZATION, GENERAL AND TEMPORARY CONDITIONS:

- A. Sales Tax. All work associated with the Multi-Use Special Events Center, Indoor NFL Practice Facility, Outdoor NFL Practice Facility and the Parking Garage will be tax exempt per the City of Frisco's tax exempt status. The 6-Story Headquarters Office Building and the 2-Story Retail and Conference Center Building will be considered private development and will be taxable.



Frisco Multi-Use Special Event Center & Dallas Cowboys Headquarters

Work Authorization #3 for City of Frisco

August 18, 2014

- B. Working hours are based upon City of Frisco Ordinances.
 - C. This Work Authorization includes the costs for Manhattan's Additional General Conditions for these Bid Packages. These costs include a MEP Coordinator and a BIM (Building Information Model) Coordinator for the oversight and management of these Bid Packages through December of 2014.
 - D. All costs for temporary water, sewer, and power will be paid by Manhattan.
5. Mechanical, Plumbing and Electrical Underground and Preconstruction Services:
- A. The Mechanical Plumbing and Electrical Underground costs and the Design Assist/Preconstruction costs are the only portions of the MEP Scopes of Work submitted for authorization at this time. The General Conditions and Fee portions of the Proposal Response will be included in the MEP costs included in a Guaranteed Maximum Price for the project that will be submitted at a later time.
 - B. All underground Mechanical Plumbing and Electrical work is defined as the work shown in the aforementioned contract documents that are located beneath the lowest slab on grade level in any area of the buildings.
 - C. Preconstruction Services for the Mechanical, Plumbing and Electrical Work includes the following:
 - a. Weekly coordination and review meetings.
 - b. Two fully detailed estimates.
 - c. Continual value management services addressing constructability; life cycle analysis; existing conditions surveys; availability of materials for specialized systems; comparative cost/benefit analysis for various systems.
 - d. Constructability reviews.
 - e. Scheduling input.
 - f. Underground and Preconstruction BIM modeling and coordination of the work with other trades.
6. Tower Cranes
- A. This Authorization includes costs for Tower Cranes TC #3 through TC #8. Tower Cranes TC #1 and TC #2 costs are allocated to the Headquarters Buildings; Tower Cranes #3 and #4 costs are allocated to the Parking Garage; and TC #5 through TC #8 costs are allocated to the Multi-Use Special Event Facility.
 - B. Tower Crane TC #4 costs are included only for the duration of the construction of that portion of the garage; no costs are included for any future hotel construction.
 - C. Mobilization costs for tower cranes including all freight, erection, inspections.
 - D. Tower Crane foundations costs are included. These foundations will be abandoned in place after the tower cranes are removed. Locations of these abandoned foundations will be located on as-built documents for future reference.

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- E. Rental Costs for Tower Cranes TC #3 through TC #8 for October, November and December of 2014.
- F. An allowance for all electrical power consumption for the Tower Cranes for the months of October, November and December of 2014 has been included.
- G. Operator and maintenance costs for the same period of October through December of 2014 have been included.

SECTION THREE



BP3A - Mechanical and Plumbing				Dynaten		TD Industries		Brandt		Brandt (Combo'd)	
Final Selection Criteria (Post Interview)	Ref. Number	Weight Factor	Grade Points	Grade	Points (weight x grade)	Grade	Points (weight x grade)	Grade	Points (weight x grade)	Grade	Points (weight x grade)
Criterion A Company Intro: Provide a brief company history.	Per Agenda	N/A	Grade 1 to 10 (10 as best, 1 as least)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CRITERION B Proposed Project Team: Proposed Organizational Chart, PM, Super., Other, Office Support.	Per Agenda	15		7.3	109.5	5.8	87	8	120	8	120
CRITERION C Relevent Project Experience: Qualifications & experience of team members proposed	Per Agenda	20		6.8	136	6.9	138	7.9	158	7.9	158
CRITERION D Challenges: What are some challenges, and how do you plan to overcome them?	Per Agenda	10		8.4	84	6.1	61	6.8	68	6.8	68
CRITERION E Preconstruction: Who is your Precon Team and list their successes.	Per Agenda	30		7.8	234	6.4	192	8.8	264	8.8	264
CRITERION F Scope of Work: Brief Scope of Work discussion. Key Points of the Project.	Per Agenda	10		7.4	74	6.3	63	8.6	86	8.6	86
CRITERION G Open Questions:	Per Agenda	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CRITERION H Closing Statement: Why should your firm be part of the Team?	Per Agenda	5		7.7	38.5	6.3	31.5	8.8	44	8.8	44
CRITERION X FEE & GC'S FOR OVERALL PROJECT	Per Fee Schedule	10		7	70	10	100	8	80	9	90
TOTAL POINTS (1,000 maximum)		100			746		673		820		830

BP3B - Electrical and Lighting				Walker		JMEG		Prism		Brandt		Brandt (Combo'd)	
Final Selection Criteria (Post Interview)	Ref. Number	Weight Factor	Grade Points	Grade	Points (weight x grade)	Grade	Points (weight x grade)	Grade	Points (weight x grade)	Grade	Points (weight x grade)	Grade	Points (weight x grade)
Criterion A Company Intro: Provide a brief company history.	Per Agenda	N/A	Grade 1 to 10 (10 as best, 1 as least)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CRITERION B Proposed Project Team: Proposed Organizational Chart, PM, Super., Other, Office Support.	Per Agenda	15		6.6	99	7.6	114	6.2	93	7.9	118.5	7.9	118.5
CRITERION C Relevant Project Experience: Qualifications & experience of team members proposed	Per Agenda	20		7.1	142	7.6	152	6	120	8.5	170	8.5	170
CRITERION D Challenges: What are some challenges, and how do you plan to overcome them?	Per Agenda	10		6.3	63	7.6	76	6.3	63	8.1	81	8.1	81
CRITERION E Preconstruction: Who is your Precon Team and list their successes.	Per Agenda	30		6.8	204	7.5	225	6.6	198	8.4	252	8.4	252
CRITERION F Scope of Work: Brief Scope of Work discussion. Key Points of the Project.	Per Agenda	10		6.1	61	7.2	72	6.9	69	8.1	81	8.1	81
CRITERION G Open Questions:	Per Agenda	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CRITERION H Closing Statement: Why should your firm be part of the Team?	Per Agenda	5		6.7	33.5	7.8	39	6.2	31	8.5	42.5	8.5	42.5
CRITERION X FEE & GC'S FOR OVERALL PROJECT	Per Fee Schedule	10		9	90	10	100	6	60	7	70	8	80
TOTAL POINTS (1,000 maximum)		100			693		778		634		815		825

SECTION FOUR



FRISCO MULTI USE EVENTS CENTER & COWBOYS HQ TOWER CRANES		P&J Arcomet		WA # 03 - Frisco	WA # 01 - Blue Star
Parking Garage & HQ Tower Cranes - 10 Month Duration		Totals From Bid Tab		Subtotal	Subtotal
TC - 1 Crane					
415 Series - Crane Make / Model	✓	[Peiner SK415-20]			
Hook Height; 8 sections = 160'	✓	[150'-0"]			
Jib Radius ; 197'	✓	[196'-10"]			
Capacity [optimum to tip]	✓	[22,025 lbs - 14,315 lbs]			
Rental Period - 10 months	✓	10	\$ 14,500	\$ 145,000	43,500
Anchors	✓	1	\$ 9,000	\$ 9,000	9,000
Repair Agreement - 10 months	✓	10	\$ 1,000	\$ 10,000	3,000
Inbound Freight	✓	1	\$ 8,250	\$ 8,250	8,250
Outbound Freight	✓	1	\$ 8,250	\$ 8,250	-
Erection (Including Assest Crane)	✓	1	\$ 25,000	\$ 25,000	25,000
Dismantle (Including Assest Crane) (160' Radius)	✓	1	\$ 43,000	\$ 43,000	-
Technical Assistance [Erection & Dismantle]	✓	2	\$ 2,000	\$ 4,000	2,000
Third Party Inspection	✓	0.1250	\$ 38,650	\$ 4,831	4,831
Collison Avoidance System - Set Up	✓	1	\$ 2,000	\$ 2,000	2,000
Collison Avoidance System - Monthly Rent	✓	10	\$ 2,000	\$ 20,000	6,000
Collison Avoidance System - Dismantle	✓	1	\$ 2,000	\$ 2,000	-
FAA Lights	✓	1	\$ 750	\$ 750	750
Foundation Design	✓	1	\$ 3,000	\$ 3,000	3,000
Bolt Re-Torque	✓	2	\$ 1,500	\$ 3,000	-
TAX		[below]			-
TOTAL TC - 1				-	107,331
TC - 2 Crane					
415 Series - Crane Make / Model	✓	[Peiner SK415-20]			
Hook Height ; 10 sections = 200'	✓	[188'-8"]			
Jib Radius ; 197'	✓	[196'-10"]			
Capacity [optimum to tip]	✓	[22,025 lbs - 14,315 lbs]			
Rental Period - 10 months	✓	10	\$ 14,500	\$ 145,000	43,500
Anchors	✓	1	\$ 9,000	\$ 9,000	9,000
Repair Agreement - 10 months	✓	10	\$ 1,000	\$ 10,000	3,000
Inbound Freight	✓	1	\$ 9,000	\$ 9,000	9,000
Outbound Freight	✓	1	\$ 9,000	\$ 9,000	-
Erection (Including Assest Crane)	✓	1	\$ 25,000	\$ 25,000	25,000
Dismantle (Including Assest Crane) (160' Radius)	✓	1	\$ 43,000	\$ 43,000	-
Technical Assistance [Erection & Dismantle]	✓	2	\$ 2,000	\$ 4,000	2,000
Third Party Inspection	✓	0.1250	\$ 38,650	\$ 4,831	4,831
Collison Avoidance System - Set Up	✓	1	\$ 2,000	\$ 2,000	2,000
Collison Avoidance System - Monthly Rent	✓	10	\$ 2,000	\$ 20,000	6,000
Collison Avoidance System - Dismantle	✓	1	\$ 2,000	\$ 2,000	-
FAA Lights	✓	1	\$ 750	\$ 750	750
Foundation Design	✓	1	\$ -	\$ -	-
Bolt Re-Torque	✓	2	\$ 1,500	\$ 3,000	-
TAX		[below]			-
TOTAL TC - 2				-	105,081
TC - 3 Crane					
415 Series - Crane Make / Model	✓	[Peiner SK415-20]			
Hook Height; 8 sections = 160'	✓	[150'-0"]			
Jib Radius ; 246'	✓	[246'-1"]			
Capacity [optimum to tip]	✓	[22,025 lbs - 7,045 lbs]			
Rental Period - 10 months	✓	10	\$ 14,500	\$ 145,000	43,500
Anchors	✓	1	\$ 9,000	\$ 9,000	9,000
Repair Agreement - 10 months	✓	10	\$ 1,000	\$ 10,000	3,000
Inbound Freight	✓	1	\$ 9,000	\$ 9,000	9,000
Outbound Freight	✓	1	\$ 9,000	\$ 9,000	-
Erection (Including Assest Crane)	✓	1	\$ 25,500	\$ 25,500	25,500
Dismantle (Including Assest Crane) (160' Radius)	✓	1	\$ 43,000	\$ 43,000	-
Technical Assistance [Erection & Dismantle]	✓	2	\$ 2,000	\$ 4,000	2,000
Third Party Inspection	✓	0.1250	\$ 38,650	\$ 4,831	4,831
Collison Avoidance System - Set Up	✓	1	\$ 2,000	\$ 2,000	2,000
Collison Avoidance System - Monthly Rent	✓	10	\$ 2,000	\$ 20,000	6,000
Collison Avoidance System - Dismantle	✓	1	\$ 2,000	\$ 2,000	-
FAA Lights	✓	1	\$ 750	\$ 750	750
Foundation Design	✓	1	\$ -	\$ -	-
Bolt Re-Torque	✓	2	\$ 1,500	\$ 3,000	-
TAX		[below]			-
TOTAL TC - 3				105,581	-

FRISCO MULTI USE EVENTS CENTER & COWBOYS HQ TOWER CRANES		P&J Arcomet		WA # 03 - Frisco	WA # 01 - Blue Star
				Subtotal	Subtotal
Parking Garage & HQ Tower Cranes - 10 Month Duration		Totals From Bid Tab			
TC - 4 Crane (Liebherr)					
415 Series - Crane Make / Model	✓	[Liebherr 420 SC]			
Hook Height; 11 sections =	✓	[220'-0"]			
Jib Radius ; 246'	✓	[246'-1"]			
Capacity [optimum to tip]	✓				
Rental Costs	✓	10	\$ 14,000	\$ 140,000	42,000
Trucking from Morrow's Yard (Houston) to Jobsite (Frisco)	✓	1	\$ 15,000	\$ 15,000	15,000
Trucking from Jobsite (Frisco) to Morrow's Yard (Houston)	✓	1	\$ 15,000	\$ 15,000	-
Loading in Houston	✓	1	\$ 16,000	\$ 16,000	-
Unloading in Houston	✓	1	\$ 16,000	\$ 16,000	16,000
Erection	✓	1	\$ 34,000	\$ 34,000	34,000
Dismantle	✓	1	\$ 34,000	\$ 34,000	-
Anchor Stool	✓	1	\$ 17,500	\$ 17,500	17,500
Foundation Design	✓	1	\$ 3,000	\$ 3,000	3,000
Technical Assistance for Setting Anchor Stool	✓	1	\$ 6,000	\$ 6,000	6,000
Technical Assistance for Erection & Dismantle	✓	2	\$ 2,500	\$ 5,000	2,500
Third Party Inspection	✓	0	\$ 38,650	\$ 4,831	4,831
Collison Avoidance System - Set Up	✓	1	\$ 2,000	\$ 2,000	2,000
Collison Avoidance System - Dismantle	✓	1	\$ 2,000	\$ 2,000	-
FAA Lights	✓	1	\$ 750	\$ 750	750
Foundation Design	✓	1	\$ 3,000	\$ 3,000	3,000
Bolt Re-Torque	✓	2	\$ 1,500	\$ 3,000	-
TAX		[below]			
TOTAL TC - 4					152,581
MUEC Events Center Tower Cranes - 5 Month Duration					
TC - 5 Crane (Southwest Corner)					
315 Series or Better - Crane Make / Model	✓	[Peiner SK315-16]			
Hook Height; 7 sections = 140'	✓	[130'-7"]			
Jib Radius ; 220'	✓	[229'-8"]			
Capacity [optimum to tip]	✓	[17,640 lbs - 6,860 lbs]			
Rental Period - 5 months	✓	5	\$ 13,000	\$ 65,000	39,000
Anchors	✓	1	\$ 9,000	\$ 9,000	9,000
Repair Agreement - 5 months	✓	5	\$ 1,000	\$ 5,000	3,000
Inbound Freight	✓	1	\$ 9,000	\$ 9,000	9,000
Outbound Freight	✓	1	\$ 9,000	\$ 9,000	-
Erection (Including Assesst Crane)	✓	1	\$ 25,000	\$ 25,000	25,000
Dismantle (Including Assesst Crane)	✓	1	\$ 25,000	\$ 25,000	-
Technical Assistance [Erection & Dismantle]	✓	2	\$ 2,000	\$ 4,000	2,000
Third Party Inspection	✓	0.1250	\$ 38,650	\$ 4,831	4,831
Collison Avoidance System - Set Up	✓	1	\$ 2,000	\$ 2,000	2,000
Collison Avoidance System - Monthly Rent	✓	5	\$ 2,000	\$ 10,000	6,000
Collison Avoidance System - Dismantle	✓	1	\$ 2,000	\$ 2,000	-
FAA Lights	✓	1	\$ 750	\$ 750	750
Bolt Re-Torque	✓	1	\$ 1,500	\$ 1,500	-
TAX		[below]			-
TOTAL TC - 5					100,581
TC - 6 Crane (Southeast Corner)					
315 Series or Better - Crane Make / Model	✓	[Peiner SK315-16]			
Hook Height; 9 sections = 180'	✓	[169'-9"]			
Jib Radius ; 197'	✓	[196'-10"]			
Capacity [optimum to tip]	✓	[17,640 lbs - 10,150 lbs]			
Rental Period - 5 months	✓	5	\$ 13,000	\$ 65,000	39,000
Anchors	✓	1	\$ 9,000	\$ 9,000	9,000
Repair Agreement - 5 months	✓	5	\$ 1,000	\$ 5,000	3,000
Inbound Freight	✓	1	\$ 9,000	\$ 9,000	9,000
Outbound Freight	✓	1	\$ 9,000	\$ 9,000	-
Erection (Including Assesst Crane)	✓	1	\$ 25,000	\$ 25,000	25,000
Dismantle (Including Assesst Crane)	✓	1	\$ 25,000	\$ 25,000	-
Technical Assistance [Erection & Dismantle]	✓	2	\$ 2,000	\$ 4,000	2,000
Third Party Inspection	✓	0.1250	\$ 38,650	\$ 4,831	4,831
Collison Avoidance System - Set Up	✓	1	\$ 2,000	\$ 2,000	2,000
Collison Avoidance System - Monthly Rent	✓	5	\$ 2,000	\$ 10,000	6,000
Collison Avoidance System - Dismantle	✓	1	\$ 2,000	\$ 2,000	-
FAA Lights	✓	1	\$ 750	\$ 750	750
Bolt Re-Torque	✓	1	\$ 1,500	\$ 1,500	-
TAX		[below]			-
TOTAL TC - 6					100,581

FRISCO MULTI USE EVENTS CENTER & COWBOYS HQ TOWER CRANES		P&J Arcomet		WA # 03 - Frisco	WA # 01 - Blue Star
				Subtotal	Subtotal
Parking Garage & HQ Tower Cranes - 10 Month Duration		Totals From Bid Tab			
TC - 7 Crane (Northwest Corner)					
315 Series or Better - Crane Make / Model	✓	[Peiner SK315-16]			
Hook Height ; 9 sections = 180'	✓	[169'-3"]			
Jib Radius ; 220'	✓	[229'-8"]			
Capacity [optimum to tip]	✓	[17,640 lbs - 6,860 lbs]			
Rental Period - 5 months	✓	5 \$ 13,000	\$ 65,000	39,000	
Anchors	✓	1 \$ 9,000	\$ 9,000	9,000	
Repair Agreement - 5 months	✓	5 \$ 1,000	\$ 5,000	3,000	
Inbound Freight	✓	1 \$ 9,750	\$ 9,750	9,750	
Outbound Freight	✓	1 \$ 9,750	\$ 9,750	-	
Erection (Including Assest Crane)	✓	1 \$ 25,000	\$ 25,000	25,000	
Dismantle (Including Assest Crane)	✓	1 \$ 25,000	\$ 25,000	-	
Technical Assistance [Erection & Dismantle]	✓	2 \$ 2,000	\$ 4,000	2,000	
Third Party Inspection	✓	0.1250 \$ 38,650	\$ 4,831	4,831	
Collison Avoidance System - Set Up	✓	1 \$ 2,000	\$ 2,000	2,000	
Collison Avoidance System - Monthly Rent	✓	5 \$ 2,000	\$ 10,000	6,000	
Collison Avoidance System - Dismantle	✓	1 \$ 2,000	\$ 2,000	-	
FAA Lights	✓	1 \$ 750	\$ 750	750	
Foundation Design	✓	1 \$ -	\$ -	-	
Bolt Re-Torque	✓	1 \$ 1,500	\$ 1,500	-	
TAX		[below]		-	
TOTAL TC - 7				101,331	-
TC - 8 Crane (Northeast Corner)					
315 Series or Better - Crane Make / Model	✓	[Peiner SK315-16]			
Hook Height; 7 sections = 140'	✓	[130'-7"]			
Jib Radius ; 200'	✓	[196'-10"]			
Capacity [optimum to tip]	✓	[17,640 lbs - 10,150 lbs]			
Rental Period - 5 months	✓	5 \$ 13,000	\$ 65,000	39,000	
Anchors	✓	1 \$ 9,000	\$ 9,000	9,000	
Repair Agreement - 5 months	✓	5 \$ 1,000	\$ 5,000	3,000	
Inbound Freight	✓	1 \$ 8,250	\$ 8,250	8,250	
Outbound Freight	✓	1 \$ 8,250	\$ 8,250	-	
Erection (Including Assest Crane)	✓	1 \$ 25,000	\$ 25,000	25,000	
Dismantle (Including Assest Crane)	✓	1 \$ 25,000	\$ 25,000	-	
Technical Assistance [Erection & Dismantle]	✓	2 \$ 2,000	\$ 4,000	2,000	
Third Party Inspection	✓	0.1250 \$ 38,650	\$ 4,831	4,831	
Collison Avoidance System - Set Up	✓	1 \$ 2,000	\$ 2,000	2,000	
Collison Avoidance System - Monthly Rent	✓	5 \$ 2,000	\$ 10,000	6,000	
Collison Avoidance System - Dismantle	✓	1 \$ 2,000	\$ 2,000	-	
FAA Lights	✓	1 \$ 750	\$ 750	750	
Foundation Design	✓	1 \$ -	\$ -	-	
Bolt Re-Torque	✓	1 \$ 1,500	\$ 1,500	-	
TAX		[below]		-	
TOTAL TC - 8				99,831	-
OPERATOR & OTHER					
Bolt Re-Torque Contingency	✓	4 \$ 1,500	\$ 6,000	1,125	375
Test Weights	✓	1 \$ 2,000	\$ 2,000	1,500	500
P&J GL Aggergate GL Policy	✓	1 \$ 7,000	\$ 7,000	5,250	1,750
MCC Rental Insurance (From Bid Tab \$2.26 / \$100)	✓	1 \$ 65,320	\$ 65,320	48,990	16,330
Operator Costs (From Operator Tab)	✓	1 \$ 1,067,811		-	-
TC - 1	✓	10 \$ 17,797	\$ 177,968	-	53,391
TC - 2	✓	10 \$ 17,797	\$ 177,968	-	53,391
TC - 3	✓	10 \$ 17,797	\$ 177,968	53,391	-
TC - 4	✓	10 \$ 17,797	\$ 177,968	53,391	-
TC - 5	✓	5 \$ 17,797	\$ 88,984	53,391	-
TC - 6	✓	5 \$ 17,797	\$ 88,984	53,391	-
TC - 7	✓	5 \$ 17,797	\$ 88,984	53,391	-
TC - 8	✓	5 \$ 17,797	\$ 88,984	53,391	-
Correction				889	380
TC - 4 Liebherr Repairs	✗	[Not Included on this Sheet]			
TAX - (Rent, Repair Agreement, Anchors, Freight, FAA Lights, Anti Collision Rent)	✓	1 \$ 93,885	\$ 93,885	70,414	23,471
TOTAL Operator & Other				448,514	149,588
SUB TOTAL BY MONTH				WA # 03 - Frisco	WA # 01 - Blue Star
				Subtotal	Subtotal
				1,109,000	362,000

Frisko MUEC & Cowboys HQ Tower Crane	Sun Crane & Hoist Craig Martin	P&J Arcomet Brian Burns 713.204.1360 brian@pjarcomet	Morrow John Mader 713.208.0005
		0.81 emr	
SPECIFIC SCOPE REQUIREMENTS			
Parking Garage & HQ Tower Cranes - 10 Month Duration			
TC - 1 Crane			
415 Series - Crane Make / Model	✓ [Peiner SK405]	✓ [Peiner SK415-20]	✓ [Peiner SK415 or Pecco 400 or Peiner SK405]
Hook Height; 8 sections = 160'	✓ [155'-0"]	✓ [150'-0"]	✓ [154'-0"]
Jib Radius ; 197'	✓ [199'-0"]	✓ [196'-10"]	✓ [200']
Capacity [optimum to tip]	✓ [at tip 13,000 lbs]	✓ [22,025 lbs - 14,315 lbs]	✓ [13,000 lbs at tip]
Rental Period - 10 months	✓ 10 \$ 11,500 \$ 115,000	✓ 10 \$ 14,500 \$ 145,000	✓ 10 \$ 14,500 \$ 145,000
Anchors	✓ 1 \$ 12,500 \$ 12,500	✓ 1 \$ 9,000 \$ 9,000	✓ 1 \$ 12,000 \$ 12,000
Repair Agreement - 10 months	✓ 10 \$ 1,100 \$ 11,000	✓ 10 \$ 1,000 \$ 10,000	✓ 10 \$ 1,000 \$ 10,000
Inbound Freight	✓ 1 \$ 8,500 \$ 8,500	✓ 1 \$ 8,250 \$ 8,250	✓ 1 \$ 10,000 \$ 10,000
Outbound Freight	✓ 1 included above	✓ 1 \$ 8,250 \$ 8,250	✓ 1 \$ 10,000 \$ 10,000
Erection (Including Assest Crane)	✓ 1 \$ 25,500 \$ 25,500	✓ 1 \$ 25,000 \$ 25,000	✓ 1 \$ 24,000 \$ 24,000
Dismantle (Including Assest Crane)	✓ 1 \$ 66,500 \$ 66,500	✓ 1 \$ 43,000 \$ 43,000	✓ 1 \$ 40,000 \$ 40,000
160' Dismantle Radius	✓	✓	✓ [included above]
Technical Assistance [Erection & Dismantle]	✓ 2 \$ 1,000 \$ 2,000	✓ 2 \$ 2,000 \$ 4,000	✓ 2 \$ 1,000.00 \$ 2,000
Monthly Crane Usage [290 hrs / month]	✗ 260 hrs	✓ single shifts	✗ 280 hrs
Crane Overtime Charges (290 hrs less base bid hrs at quoted rate)	✗ 30 \$ 52 \$ 1,560		✗ 10 \$ 50.00 \$ 500
TC - 2 Crane			
415 Series - Crane Make / Model	✓ [Peiner SK405]	✓ [Peiner SK415-20]	✓ [Peiner SK415 or Pecco 400 or Peiner SK405]
Hook Height; 10 sections = 200'	✓ [213'-0"]	✓ [188'-8"]	✓ [192']
Jib Radius ; 197'	✓ [199'-0"]	✓ [196'-10"]	✓ [200']
Capacity [optimum to tip]	✓ [at tip 13,000 lbs]	✓ [22,025 lbs - 14,315 lbs]	✓ [13,000 lbs at tip]
Rental Period - 10 months	✓ 10 \$ 11,500 \$ 115,000	✓ 10 \$ 14,500 \$ 145,000	✓ 10 \$ 14,500 \$ 145,000
Anchors	✓ 1 \$ 12,500 \$ 12,500	✓ 1 \$ 9,000 \$ 9,000	✓ 1 \$ 12,000 \$ 12,000
Repair Agreement - 10 months	✓ 10 \$ 1,100 \$ 11,000	✓ 10 \$ 1,000 \$ 10,000	✓ 10 \$ 1,000 \$ 10,000
Inbound Freight	✓ 1 \$ 10,500 \$ 10,500	✓ 1 \$ 9,000 \$ 9,000	✓ 1 \$ 10,000 \$ 10,000
Outbound Freight	✓ 1 included above	✓ 1 \$ 9,000 \$ 9,000	✓ 1 \$ 10,000 \$ 10,000
Erection (Including Assest Crane)	✓ 1 \$ 25,500 \$ 25,500	✓ 1 \$ 25,000 \$ 25,000	✓ 1 \$ 24,000 \$ 24,000
Dismantle (Including Assest Crane)	✓ 1 \$ 66,500 \$ 66,500	✓ 1 \$ 43,000 \$ 43,000	✓ 1 \$ 44,000 \$ 44,000
160' Dismantle Radius	✓	✓	✓
Technical Assistance [Erection & Dismantle]	✓ 2 \$ 1,000 \$ 2,000	✓ 2 \$ 2,000 \$ 4,000	✓ 2 \$ 1,000.00 \$ 2,000
Monthly Crane Usage [hrs / month]	✗ 260 hrs	✓ single shifts	✗ 280 hrs
Crane Overtime Charges (290 hrs less base bid hrs at quoted rate)	✗ 30 \$ 52 \$ 1,560		✗ 10 \$ 50.00 \$ 500
TC - 3 Crane			
415 Series - Crane Make / Model	✓ [Peiner SK405]	✓ [Peiner SK415-20]	✓ [Peiner SK415 or Pecco 400 or Peiner SK405]
Hook Height; 8 sections = 160'	✓ [174'-0"]	✓ [150'-0"]	✓ [154']
Jib Radius ; 246'	✓ [244'-0"]	✓ [246'-1"]	✓ [244']
Capacity [optimum to tip]	✓ [at tip 13,000 lbs]	✓ [22,025 lbs - 7,045 lbs]	✓ [6,600 lbs at tip]
Rental Period - 10 months	✓ 10 \$ 11,500 \$ 115,000	✓ 10 \$ 14,500 \$ 145,000	✓ 10 \$ 14,500 \$ 145,000
Anchors	✓ 1 \$ 12,500 \$ 12,500	✓ 1 \$ 9,000 \$ 9,000	✓ 1 \$ 12,000 \$ 12,000
Repair Agreement - 10 months	✓ 10 \$ 1,100 \$ 11,000	✓ 10 \$ 1,000 \$ 10,000	✓ 10 \$ 1,000 \$ 10,000
Inbound Freight	✓ 1 \$ 9,500 \$ 9,500	✓ 1 \$ 9,000 \$ 9,000	✓ 1 \$ 10,000 \$ 10,000
Outbound Freight	✓ 1 included above	✓ 1 \$ 9,000 \$ 9,000	✓ 1 \$ 10,000 \$ 10,000
Erection (Including Assest Crane)	✓ 1 \$ 25,500 \$ 25,500	✓ 1 \$ 25,500 \$ 25,500	✓ 1 \$ 24,000 \$ 24,000
Dismantle (Including Assest Crane)	✓ 1 \$ 66,500 \$ 66,500	✓ 1 \$ 43,000 \$ 43,000	✓ 1 \$ 44,000 \$ 44,000
160' Dismantle Radius	✓	✓	✓
Technical Assistance [Erection & Dismantle]	✓ 2 \$ 1,000 \$ 2,000	✓ 2 \$ 2,000 \$ 4,000	✓ 2 \$ 1,000 \$ 2,000
Monthly Crane Usage [hrs / month]	✗ 260 hrs	✓ single shifts	✗ 280 hrs
Crane Overtime Charges (290 hrs less base bid hrs at quoted rate)	✗ 30 \$ 52 \$ 1,560		✗ 10 \$ 50 \$ 500
MUEC Events Center Tower Cranes - 5 Month Duration			
TC - 5 Crane (Southwest Corner)			
315 Series or Better - Crane Make / Model	✗ [Comansa LC 400]	✓ [Peiner SK315-16]	✓ [Pecco SK 400]
Hook Height; 7 sections = 140'	✓ [137'-0"]	✓ [130'-7"]	✓ [134']
Jib Radius ; 220'	✓ [197'-0"]	✓ [229'-8"]	✓ [219']
Capacity [optimum to tip]	✓ [at tip 13,890 lbs]	✓ [17,640 lbs - 6,860 lbs]	✓ [10,100 lbs at tip]
Rental Period - 5 months	✓ 5 \$ 11,500 \$ 57,500	✓ 5 \$ 13,000 \$ 65,000	✓ 5 \$ 14,500 \$ 72,500
Anchors	✓ 1 \$ 12,500 \$ 12,500	✓ 1 \$ 9,000 \$ 9,000	✓ 1 \$ 12,000 \$ 12,000
Repair Agreement - 5 months	✓ 5 \$ 1,100 \$ 5,500	✓ 5 \$ 1,000 \$ 5,000	✓ 5 \$ 1,000 \$ 5,000
Inbound Freight	✓ 1 \$ 8,500 \$ 8,500	✓ 1 \$ 9,000 \$ 9,000	✓ 1 \$ 10,000 \$ 10,000
Outbound Freight	✓ 1 included above	✓ 1 \$ 9,000 \$ 9,000	✓ 1 \$ 10,000 \$ 10,000
Erection (Including Assest Crane)	✓ 1 \$ 25,500 \$ 25,500	✓ 1 \$ 25,000 \$ 25,000	✓ 1 \$ 24,000 \$ 24,000
Dismantle (Including Assest Crane)	✓ 1 \$ 28,500 \$ 28,500	✓ 1 \$ 25,000 \$ 25,000	✓ 1 \$ 24,000 \$ 24,000
Technical Assistance [Erection & Dismantle]	✓ 2 \$ 1,000 \$ 2,000	✓ 2 \$ 2,000 \$ 4,000	✓ 2 \$ 1,000 \$ 2,000
Monthly Crane Usage [hrs / month]	✗ 260 hrs	✓ single shifts	✗ 280 hrs
Crane Overtime Charges (290 hrs less base bid hrs at quoted rate)	✗ 30 \$ 52 \$ 1,560		✗ 10 \$ 50 \$ 500
TC - 6 Crane (Southeast Corner)			
315 Series or Better - Crane Make / Model	✗ [Comansa LC 400]	✓ [Peiner SK315-16]	✓ [Pecco SK 400]
Hook Height; 9 sections = 180'	✓ [173'-0"]	✓ [169'-9"]	✓ [173']
Jib Radius ; 197'	✓ [197'-0"]	✓ [196'-10"]	✓ [200'-0"]
Capacity [optimum to tip]	✓ [at tip 13,890 lbs]	✓ [17,640 lbs - 10,150 lbs]	✓ [13,000 lbs at tip]
Rental Period - 5 months	✓ 5 \$ 11,500 \$ 57,500	✓ 5 \$ 13,000 \$ 65,000	✓ 5 \$ 14,500 \$ 72,500
Anchors	✓ 1 \$ 12,500 \$ 12,500	✓ 1 \$ 9,000 \$ 9,000	✓ 1 \$ 12,000 \$ 12,000
Repair Agreement - 5 months	✓ 5 \$ 1,100 \$ 5,500	✓ 5 \$ 1,000 \$ 5,000	✓ 5 \$ 1,000 \$ 5,000
Inbound Freight	✓ 1 \$ 9,500 \$ 9,500	✓ 1 \$ 9,000 \$ 9,000	✓ 1 \$ 10,000 \$ 10,000
Outbound Freight	✓ 1 included above	✓ 1 \$ 9,000 \$ 9,000	✓ 1 \$ 10,000 \$ 10,000
Erection (Including Assest Crane)	✓ 1 \$ 25,500 \$ 25,500	✓ 1 \$ 25,000 \$ 25,000	✓ 1 \$ 24,000 \$ 24,000
Dismantle (Including Assest Crane)	✓ 1 \$ 28,500 \$ 28,500	✓ 1 \$ 25,000 \$ 25,000	✓ 1 \$ 24,000 \$ 24,000
Technical Assistance [Erection & Dismantle]	✓ 2 \$ 1,000 \$ 2,000	✓ 2 \$ 2,000 \$ 4,000	✓ 2 \$ 1,000 \$ 2,000
Monthly Crane Usage [hrs / month]	✗ 260 hrs	✓ single shifts	✗ 280 hrs
Crane Overtime Charges (290 hrs less base bid hrs at quoted rate)	✗ 30 \$ 52 \$ 1,560		✗ 10 \$ 50 \$ 500
TC - 7 Crane (Northwest Corner)			
315 Series or Better - Crane Make / Model	✗ [Comansa LC 400]	✓ [Peiner SK315-16]	✓ [Peiner SK 400]
Hook Height ; 9 sections = 180'	✓ [173'-0"]	✓ [169'-3"]	✓ [173']
Jib Radius ; 220'	✓ [197'-0"]	✓ [229'-8"]	✓ [219']
Capacity [optimum to tip]	✓ [at tip 13,890 lbs]	✓ [17,640 lbs - 6,860 lbs]	✓ [10,100 lbs at tip]
Rental Period - 5 months	✓ 5 \$ 11,500 \$ 57,500	✓ 5 \$ 13,000 \$ 65,000	✓ 5 \$ 14,500 \$ 72,500
Anchors	✓ 1 \$ 12,500 \$ 12,500	✓ 1 \$ 9,000 \$ 9,000	✓ 1 \$ 12,000 \$ 12,000
Repair Agreement - 5 months	✓ 5 \$ 1,100 \$ 5,500	✓ 5 \$ 1,000 \$ 5,000	✓ 5 \$ 1,000 \$ 5,000
Inbound Freight	✓ 1 \$ 9,500 \$ 9,500	✓ 1 \$ 9,750 \$ 9,750	✓ 1 \$ 10,000 \$ 10,000
Outbound Freight	✓ 1 included above	✓ 1 \$ 9,750 \$ 9,750	✓ 1 \$ 10,000 \$ 10,000
Erection (Including Assest Crane)	✓ 1 \$ 25,500 \$ 25,500	✓ 1 \$ 25,000 \$ 25,000	✓ 1 \$ 24,000 \$ 24,000
Dismantle (Including Assest Crane)	✓ 1 \$ 28,500 \$ 28,500	✓ 1 \$ 25,000 \$ 25,000	✓ 1 \$ 24,000 \$ 24,000
Technical Assistance [Erection & Dismantle]	✓ 2 \$ 1,000 \$ 2,000	✓ 2 \$ 2,000 \$ 4,000	✓ 2 \$ 1,000 \$ 2,000

Frisko MUEC & Cowboys HQ Tower Crane	Sun Crane & Hoist Craig Martin	P&J Arcomet Brian Burns 713.204.1360 brian@pjarcomet	Morrow John Mader 713.208.0005
SPECIFIC SCOPE REQUIREMENTS			
Monthly Crane Usage [hrs / month]	X 260 hrs	✓ single shifts	X 280 hrs
Crane Overtime Charges (290 hrs less base bid hrs at quoted rate)	X 30 \$ 52 \$ 1,560		X 10 \$ 50 \$ 500
TC - 8 Crane (Northeast Corner)			
315 Series or Better - Crane Make / Model	X [Comansa LC 400]	✓ [Peiner SK315-16]	✓ [Peiner SK 400]
Hook Height: 7 sections = 140'	✓ [137'-0"]	✓ [130'-7"]	✓ [134'-0"]
Jib Radius : 200'	✓ [197'-0"]	✓ [196'-10"]	✓ [200']
Capacity [optimum to tip]	✓ [at tip 13,890 lbs]	✓ [17,640 lbs - 10,150 lbs]	✓ [13,000 lbs at tip]
Rental Period - 5 months	✓ 5 \$ 11,500 \$ 57,500	✓ 5 \$ 13,000 \$ 65,000	✓ 5 \$ 14,500 \$ 72,500
Anchors	✓ 1 \$ 12,500 \$ 12,500	✓ 1 \$ 9,000 \$ 9,000	✓ 1 \$ 12,000 \$ 12,000
Repair Agreement - 5 months	✓ 5 \$ 1,100 \$ 5,500	✓ 5 \$ 1,000 \$ 5,000	✓ 5 \$ 1,000 \$ 5,000
Inbound Freight	✓ 1 \$ 8,500 \$ 8,500	✓ 1 \$ 8,250 \$ 8,250	✓ 1 \$ 10,000 \$ 10,000
Outbound Freight	✓ 1 included above	✓ 1 \$ 8,250 \$ 8,250	✓ 1 \$ 10,000 \$ 10,000
Erection (Including Assest Crane)	✓ 1 \$ 25,500 \$ 25,500	✓ 1 \$ 25,000 \$ 25,000	✓ 1 \$ 24,000 \$ 24,000
Dismantle (Including Assest Crane)	✓ 1 \$ 28,500 \$ 28,500	✓ 1 \$ 25,000 \$ 25,000	✓ 1 \$ 24,000 \$ 24,000
Technical Assistance [Erection & Dismantle]	✓ 2 \$ 1,000 \$ 2,000	✓ 2 \$ 2,000 \$ 4,000	✓ 2 \$ 1,000 \$ 2,000
Monthly Crane Usage [hrs / month]	X 260 hrs	✓ single shifts	X 280 hrs
Crane Overtime Charges (290 hrs less base bid hrs at quoted rate)	X 30 \$ 52 \$ 1,560		X 10 \$ 50 \$ 500
SUBTOTAL	\$ 1,298,920	\$ 1,365,000	\$ 1,563,500
Operator Costs			
TOWER CRANE OPERATORS (8 Operators) backup on "TC Operator Cost - 8 Cranes"	\$ 1,067,811	\$ 1,067,811	\$ 1,067,811
Inspector Scope			
Technical Assistance for setting Liebherr Anchor	1 \$ 6,000.00 \$ 6,000	1 \$ 6,000.00 \$ 6,000	1 \$ 6,000.00 \$ 6,000
Technical Assistance for Liebherr Erection	1 \$ 2,500.00 \$ 2,500	1 \$ 2,500.00 \$ 2,500	1 \$ 2,500.00 \$ 2,500
Technical Assistance for Liebherr Dismantle	1 \$ 2,500.00 \$ 2,500	1 \$ 2,500.00 \$ 2,500	1 \$ 2,500.00 \$ 2,500
Third Party Inspections	\$ 38,640	\$ 38,640	\$ 38,640
Crane Operation Requirements			
Collision Avoidance System - Set Up	8 \$ 2,000.00 \$ 16,000	8 \$ 2,000.00 \$ 16,000	8 \$ 2,000.00 \$ 16,000
Collision Avoidance System - Dismantle	8 \$ 2,000.00 \$ 16,000	8 \$ 2,000.00 \$ 16,000	8 \$ 2,000.00 \$ 16,000
Collision Avoidance System - Monthly Rental	60 \$ 2,000.00 \$ 120,000	60 \$ 2,000.00 \$ 120,000	60 \$ 2,000.00 \$ 120,000
FAA Lighting	8 \$ 750 \$ 6,000	8 \$ 750 \$ 6,000	8 \$ 750 \$ 6,000
Test Weights	1 \$ 2,000.00 \$ 2,000	1 \$ 2,000.00 \$ 2,000	1 \$ 2,000.00 \$ 2,000
FAA Permitting	[included in P&J services]	[included in P&J services]	[included in P&J services]
Trip Charges for Repairs	[included in P&J services]	[included in P&J services]	[included in P&J services]
Bolt Retorque (Manu Req'd every 5 months)			
Cranes 1 - 4 (10 mo duration)	8 \$ 1,500.00 \$ 12,000	8 \$ 1,500.00 \$ 12,000	8 \$ 1,500.00 \$ 12,000
Cranes 5 - 8 (5 mo duration)	4 \$ 1,500.00 \$ 6,000	4 \$ 1,500.00 \$ 6,000	4 \$ 1,500.00 \$ 6,000
Retorque Contingency	4 \$ 1,500.00 \$ 6,000	4 \$ 1,500.00 \$ 6,000	4 \$ 1,500.00 \$ 6,000
Foundation Design - P&J Cranes	1 \$ 3,000.00 \$ 3,000	1 \$ 3,000.00 \$ 3,000	1 \$ 3,000.00 \$ 3,000
Foundation Design - Liebherr	1 \$ 3,000.00 \$ 3,000	1 \$ 3,000.00 \$ 3,000	1 \$ 3,000.00 \$ 3,000
Insurance			
P&J General Liability	[included in P&J services]	[included in P&J services]	[included in P&J services]
P&J General Liability Aggergate	1 \$ 7,000.00 \$ 7,000	1 \$ 7,000.00 \$ 7,000	1 \$ 7,000.00 \$ 7,000
Rental Insurance (2.26 / \$100)	\$ 64,717	\$ 66,245	\$ 70,835
TAXABLE VOLUME - (Rent, Repair Agreement, Anchors, Freight, FAA Lights, Anti Collision Rent)	\$ 987,500	\$ 1,138,000	\$ 1,359,500
Do not use this line			
SCOPE ADJUSTMENT TOTAL	\$ 2,863,588	\$ 2,931,196	\$ 3,134,286
SUBCONTRACTOR / VENDOR QUOTE (from above)	\$ -	\$ -	\$ -
SCOPE ADJUSTMENT TOTAL (from above)	\$ 2,863,588	\$ 2,931,196	\$ 3,134,286
SUBTOTAL	\$ 2,863,588	\$ 2,931,196	\$ 3,134,286
SALES TAX 8.25% (Add for Material Only Pricing)	\$ 81,469	\$ 93,885	\$ 112,159
SUBTOTAL	\$ 2,945,057	\$ 3,025,081	\$ 3,246,444
SUBGUARD / BOND	\$ -	\$ -	\$ -

SECTION FIVE



AFFIDAVIT OF PUBLICATION

STATE OF TEXAS

COUNTY OF DALLAS

Before me, a Notary Public in and for Dallas County, this day personally appeared Monetta Harrison, Advertising Representative for The Dallas Morning News, being duly sworn by oath, states the attached advertisement of:

MANHATTAN CONSTRUCTION CO.

Was published in the Dallas Morning News on:

July 13, 2014

Monetta Harrison
(Monetta Harrison)

Sworn to and subscribed before me this

July 14, 2014

Lynda F Black
(Notary Public)



withdraw its Proposal within ninety (90) calendar days after the actual date of the opening thereof.

MBJ3's policy is to obtain maximum practical MWBE (DBE) participation at all times. In furtherance of this policy, MBJ3 has implemented an MWBE (DBE) Program for all bidders in which they are required to demonstrate good faith efforts to obtain maximum practical MWBE (DBE) participation and to contractually commit to a percentage of MWBE (DBE) participation if awarded the project. The successful bidders will be required to demonstrate, through a written narrative submitted with their pricing proposal, their efforts to involve and utilize MWBE's (DBE) at the recommended minimum goal levels listed above. You may contact Sarah Rodriguez at 214-438-6870 for a list of MWBE (DBE) contractors in the DFW area that may be interested in this project.

Subcontracting opportunities include subcontract labor and MWBE, material suppliers for the of the above all the above trade.

BID SECURITY In the amount of five percent (5%) of bid amount must accompany each bid in accordance with the instructions to Bidders.

Original Signed by PAUL TANTALO Project Executive, MBJ3

News as it happens.

dallasnews.com

com/petplex

ADVERTISE TODAY 214.745.8123

Dogs



Labradoodle Pups, S/W, Vet checked. See website: www.turkeyhilllabradoodles.com, Blk/White & Parti Colored. Can Meet: great service dog 405-788-9936

LABRADOR pups, AKC, Whites, \$450. Ready Now. Choc's, \$450, Ready 7/18. QUALITY PUPPIES! S/W/D, Microchipped Taking Dep. CALL NOW! TX Breeders License #210 940-366-1624 940-845-2051



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Poms-MiniPoo-Morkies Maltese-Yorkies-Dorkies Poodles, Small & Toys. HEALTH Guaranteed KPWonderland.com 903-348-4918 • TX Lic 123

Poodles Brand new litter Cute little baby faces. 1 older M silver tiny pup Lic 269 817-297-3721 louisespermedpets.com

Dogs



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Sheltie pups, (mini collies), Young adults, extra nice, carefully raised SPECIAL Guaranteed Starfireranch@texoma.net Starfireranch.50megs.com 1-903-664-2090

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Dogs



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YORKIE puppies, Registered, SAW \$375 & up. Call Now! 214-381-5789 214-436-0009

Yorkie Pups ACA Males/Females, S/W. Also, Aussie Pups. 972-845-3675

Yorkies New Litter M/F black & gold, gorgeous & cute baby face, ears up. Lic: 269 Call 817-297-3721 louisespermedpets.com

Pets Found

Boston Terrier puppy found by a Carrollton resident on July 4th, Male, BW, est 6-8 months old Please contact if you have lost your puppy 707-425-0534

Services & Supplies

All new SARDEX II The Best ODORLESS, GREASELESS way to treat manure WITHOUT steroids! White Feed Siers. (972) 284-2825 www.happyjackinc.com

certify participants as IDB. A successful proposal will include owners/landlords who will enter into agreements for supportive services with qualified service providers. Proposals from owners who cannot demonstrate such an agreement for ongoing services will not be reviewed. This is a pilot program to determine the success of such collaboration.

RFP packets will be available for download on DHA's website beginning Monday, July 28, 2014. To download the RFP packets and all addenda, register at <http://www.dhadal.com/vendor-corner>. RFP packets will also be available for pick up in the Procurement Department, Dallas Housing Authority, 3939 N. Hampton Rd., Dallas, Texas 75212. A Meet and Greet will be held August 3, 2014, at 2:30 p.m. at Frankford Townhomes, located at 18110 Marsh Lane, Dallas, Texas 75287. Please RSVP at <http://www.txcps.org/pages/RSVP-080314.aspx>. The pre-proposal conference is scheduled for Wednesday, August 13, 2014, at 2:00 p.m. at Kingsbridge Crossing, located at 3113 Kingsbridge St., Dallas, Texas 75212. This pre-proposal conference is not mandatory; however, respondents (and their partnering service providers) that attend the pre-proposal conference will receive 10 bonus points. Please RSVP at <http://www.txcps.org/pages/rsvp-081314.aspx>.

The APPLICATION SUBMISSION DEADLINE is 4:00 p.m., Monday, September 22, 2014. RFP packets must be delivered to Procurement Department, Dallas Housing Authority, 3939 N. Hampton Rd., Dallas, Texas 75212. Only proposals submitted by the published deadline and meeting all requirements stated in the RFP will be considered. Incomplete and/or late submissions of the RFPs will not be accepted or reviewed. At the request of a respondent, DHA will hold a debriefing to explain why a proposal was not selected for award. For questions concerning this public notice or the RFP, contact: Raythetta Starnes, Housing Operations Administrator at 214-951-8410, TTY 1-800-735-2989 or via email rstarnes@dhadal.com.

DHA reserves the right to reject, in whole or in part, any or all qualifications received in response to this RFP. DHA further reserves the right to cancel or re-issue this RFP; to modify the selection procedure or the scope of this proposed project or the required responses; to request amendments to qualifications after expiration deadlines; or to negotiate or approve final agreements. DHA also reserves the right to waive any informalities or minor irregularities if it serves its best interest to do so. DHA will not discriminate on the basis of race, color, national origin, religion, sex, handicap, familial status, or age. Equal Housing Opportunity. Visit www.dhadal.com for current listing of solicitations.

Bids & Proposals

ManhattanVaughn (JV) is requesting proposals for the Texas A&M Kyle Field Redevelopment Package 13. CSP Proposal deadline is July 30 @2pm. HUB & Tech Proposals deadline is July 31 @ 2pm. Submit proposals to 44B John David Crow Dr, College Station, TX 77843. Plans/Specs available at isof.com. A pre-bid/HUB mixer will happen July 15 @ 2pm at Burkhardt Auditorium on Texas A&M University campus.

Bids & Proposals

Request for Proposal Notice
DALLAS/FORT WORTH INTERNATIONAL AIRPORT will receive sealed proposals (RFP) for Public Officials Liability, and Airport General Liability Insurance until 5:00 p.m. July 28, 2014 in the office of the Airport's Broker of Record, McGriff, Seibels & Williams of Texas, Inc., 5080 Spectrum Drive, Suite 900E, Addison, Texas 75001.

Manhattan Construction Company is requesting qualifications from Mechanical, Electrical, and Plumbing Contractors for design assist, budgeting and construction of the Frisco Multi-Use Special Event Center and Dallas Cowboys Headquarters Project. Qualifications are due at 6300 North Central Expressway, Dallas, TX 75206 by no later than 2:00 PM CST Tuesday, July 29, 2014. A MANDATORY Pre-Proposal Conference will be held on July 22, 2014, time and place to be forthcoming. E-mailed proposals will be acceptable. All DMWBE are encouraged to propose. Please contact Benton Hogler of Manhattan for access to plans, specifications and RFP Packages as well as general questions, 214-357-7400 (bhogler@manhattanconstruction.com)

RFP documents plans and specifications may be examined at the office of McGriff, Seibels & Williams of Texas, Inc., 5080 Spectrum Drive, Suite 900E, Addison, TX 75001. For further information or carriers wishing to obtain specifications, call Jackie Day or Robert Waggoner, (469) 232-2100.

Metrocare Services - Request for Proposal Pharmacy Management System

Closing Date: August 19, 2014

Metrocare Services is accepting proposals for a Pharmacy Management System. Bid details provided upon request. Contact: Shunda Cleveland Email: Shunda.Cleveland@metrocareservices.org Woman/minority-owned/HUB certified businesses are encouraged to participate.

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SECTION SIX





Manhattan

Building excellence.

Frisco Multi-Use Special Event Center &
Dallas Cowboys Headquarters
Frisco, Texas

Bid Package Documents

Bid Package 03A – Mechanical/Plumbing Systems



ISSUE DATE: July 15 2014

BID PACKAGE DOCUMENTS

Table of Contents

The following is a list of documents that define the requirements for Bid Packages for the Frisco Multi-Use Special Event Center & Dallas Cowboys Headquarters:

- 1.0 Invitation to Proposers
- 2.0 Subcontractor Approval Process
- 3.0 Proposal Submittal Check List
- 4.0 Bid Proposal Form
- 5.0 Acknowledgment of Bid Proposal Documents Form
- 6.0 Proposal Packages
- 7.0 Instructions to Proposers
- 8.0 Exhibit "A" Sample Subcontract
- 9.0 Exhibit "B" Bonds
- 10.0 Exhibit "C" CCIP Insurance Requirements
- 11.0 Exhibit "D" Document List
- 12.0 Exhibit "E" Special Conditions
- 13.0 Exhibit "G" Drug Testing and Background Certification
- 14.0 Exhibit "H" Manhattan Standard Safety Requirements
- 15.0 Project Schedule & Sequencing Plan*

*Actual project schedule is still be developed, base all proposals on the enclosed Sequencing Plan

1.0 INVITATION TO PROPOSERS

KEY INFORMATION

BID DESCRIPTION: Bid Package 03 – Mechanical / Plumbing Package

PROPOSAL DUE DATE/TIME: July 29, 2014 2:00 PM

BID TURN-IN LOCATION: MANHATTAN CONSTRUCTION COMPANY
6300 North Central Expressway
Dallas, Texas 75206
214-357-7400 – Phone
bhagler@manhattanconstruction.com

PRE-BID CONFERENCE: DATE: July 22, 2014
TIME: 2:00 PM CST
PLACE: Manhattan Main Office (Dallas)

MANHATTAN CONTACT: Benton Hagler
(214) 357-7400
bhagler@manhattanconstruction.com

BID DOCUMENTS ACCESS: See page 4 Item 8.0 Obtaining Bid Documents

BID PACKAGES: BP#3A – Mechanical and Plumbing Systems

INVITATION TO BIDDERS

- 1.0 Construction Manager and Manhattan, is used interchangeably throughout this Bid Package and has been contracted by the Owner to organize, direct, and contract for the complete construction of this Project and, as such, is an independent General Contractor.
- 2.0 Bids will be received by Manhattan for the Work described herein at the date, time and place described above.
- 3.0 Bidders may submit Sealed Bids which includes all items as described in the "Bid Submittal Checklist" section of this Bid Package. The process of subcontractor evaluation is described in the "Information for Bidders" Section of this Bid Package.

Bids may be submitted by email to dallasbids@manhattanconstruction.com prior to the bid date and time described above.

- 4.0 All bidders must be approved through the process identified in Section 02 Subcontractor Approval Process (see below). Bidders do not need to have completed this process in order to submit a bid for this project however they will need to initiate it in order to be considered responsive to this Invitation. The process will need to be completed prior entering into a contract with Manhattan in accordance with the enclosed documents and contract agreement.
 - 5.0 **Performance and Payment Bonds.** Bonds may be required and shall be in the amount of 100% of the contract price from an A.M. Best "A -" rated or better surety on forms supplied herein. Provide a cost for the Performance and Payment bond Premium in the appropriate place on the Bid Form. Any Bidder that is not currently approved for Manhattan's Subguard Program must provide a Surety Commitment Letter (see sample in Section 2.0 below).
 - 6.0 Bidders shall agree not to withdraw Bids for a period of sixty (60) days after the date Bids are received.
 - 7.0 **Retainage** – Subcontractor's progress payments shall be subject to a ten percent (10%) retainage for subcontracts and ten percent (10%) for material purchase contracts.
 - 8.0 Obtaining Bid Documents. Subcontractors can view and or purchase complete sets of documents for bidding purposes from the following locations:
 - A. Documents may be viewed on the Internet at www.isqft.com after invitations have been provided by Manhattan.
 - B. Upon request documents shall also be available on Disc from Manhattan.
- NOTE:** Bidders are responsible for reviewing and understanding in detail all available Contract Documents and have included all cost associated with their scope of work where indicated on these documents.
- 9.0 A Pre-Bid conference will be held as referenced above at a location to be announced at a later date.
 - 10.0 **Bid Security.** Bid security is not required.

- 11.0 **Prevailing Wages.** Prevailing Wages are required as per the City of Frisco. Please reference the Colin County Prevailing Wages (<http://www.wdol.gov/Index.aspx>)
- 12.0 **Insurance.** This project will be a CCIP, however professional liability insurance must be carried for all subcontractors that have design responsibility in their packages.
- 13.0 **Sales Tax.** Portions of this project are tax exempt. All work associated with Gaylord Parkway, Varsity Drive, Gridiron Road, Warren Parkway, John Hickman Parkway and the western section of Cowboys Parkway (from Gridiron to Gaylord) will be tax exempt per the City of Frisco's tax exempt status. Internet Boulevard and the eastern section of Cowboys Parkway (from Gaylord to Dallas Parkway) will be considered private development and will be taxable.
- 14.0 Manhattan reserves the right to reject any or all bids received, either in whole or in part, and to waive any informalities or irregularities in regard thereto.
- 15.0 Should you have any questions associated with this invitation to Bid, or require additional information or clarification, please contact Manhattan. All questions are to be directed to the Manhattan contact listed on the "Recap of Key Information" sheet above. All questions are to be made in writing and responses will be issued as appropriate. Bidders should disregard any verbal instructions or modifications to the bidding documents. Only instructions issued in writing by Manhattan should be considered valid.
- 16.0 **Opportunities for Disadvantaged Businesses.** As per the City of Frisco Requirements, all Disadvantaged Business are encouraged to participate in this process and all other Bidders are urged to provide opportunities for Disadvantaged Business to participate as lowered tier contractors.
- 17.0 **LEED CERTIFICATION** – No LEED Requirements. Refer to City of Frisco Commercial Green Building Standards.

6.0 BID PACKAGES

EACH BID PACKAGE INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:

General Items for All Bid Packages

1. The word “provide” when used herein shall mean furnish and install completely, including all costs for labor, materials, equipment, hoisting, layout, scaffolding, ladders, staging, tools, rigging and any other facilities necessary to complete the work.
2. Sales Taxes. Portions of this project are tax exempt. Review sketches in instructions to Proposers for more information.
3. Visit the project site in advance of submitting a bid in order to be familiarized with existing site conditions.
4. Provide all temporary electrical power and water as needed by said subcontractor. Temporary services will not be provided by Manhattan.
5. During this stage of the project temporary toilets will be available at Manhattan’s Temporary Site Office Compound only.
6. Each subcontractor will provide their own traffic control, flagmen and traffic control plan per City of Frisco requirements.
7. Dewatering of all excavations, foundations and/or trenches created as a part of these scopes of work for the duration said subcontractor is on site.
8. The existing erosion control will be installed and maintained by Manhattan, all subcontractors will be responsible for any damage to erosion control caused by them. If in place erosion control impedes the performance of the subcontractors work they are to promptly notify Manhattan’s site supervision of the need to relocate said erosion controls.

BP#3A Mechanical / Plumbing Systems

1. *Refer to Instruction to Proposers Attachment A for specific scope of work, proposal requirements, and selection process.*

7.0 INSTRUCTIONS TO PROPOSERS

Refer to Instruction to Proposers Attachment A for proposal requirements and selection process.

DEFINITIONS

1. Construction Manager (as used for this Project shall mean Manhattan Construction Company). Any reference to Manhattan or "Construction Manager" is intended to be synonymous with Manhattan Construction Company.
2. Addenda are written and graphic instruments that modify or interpret the Bidding Documents by additions, deletions, clarifications, or corrections. They may be issued by Manhattan and/or Architect prior to the execution of the Contract. Addenda will become part of the Contract Documents when issued.
3. Alternate is an amount stated in the Bid to be added to or deducted from the amount of the Base Bid if the corresponding change in project scope or materials or methods of construction described in the Bidding Documents is accepted.
4. Base Price is the total amount for the furnishings of all labor, materials, services and equipment required in conjunction with and property incidental to the work specifically shown in bid documents included, but not limited to drawings and specifications. This Base Price will be supported by a proposal which identifies what is included in the Base Price and includes a detailed listing with an amount for each item.
5. Bid is a complete and properly signed proposal to do the work for the sums stipulated.
6. Bid Package is a written description of the scope of work to be performed by a Bidder for a Bid Category. A description of the work is provided in the Scope of Work for each Bid Package.
7. "Contractor" when proceeded by the words, excavation, etc. refer to the subcontractor assigned responsibility in the scope of work for a particular Bid Category.
8. Contract Documents are documents listed in the Project Requirements including but not limited to the Invitation to Bid, Information to Bidders, Special Conditions, the Subcontract Agreement, and the Drawings, Specifications and all Addenda.
9. Project Requirements under the Contract Documents are intended to be complimentary in nature - where requirements are included in one document, they are deemed to be required by all documents. In the event of conflict, the more stringent requirement will prevail unless otherwise stated by Manhattan in writing.
10. Supplemental Price is the total amount for the furnishing of all labor, materials, services and equipment required in conjunction with and properly incidental to the work, but necessary to provide complete workable systems to operate for their intended use. This supplemental bid will be supported by a proposal which identifies what is not shown or stated and includes a detailed listing with an amount to each item.
11. Unit price is an amount stated in the Bid as a price per unit of measurement for materials or services as described in the Bidding Documents or the Contract Documents.

EXAMINATION of CONDITIONS

1. The bidder shall be responsible for examining the premises and site so as to compare them with the Contract Drawings and Specifications and to have satisfied himself as to the condition of the premises, any obstruction, the actual levels, and all unusual conditions or requirements necessary for carrying out the work, before the delivery of the proposal. The Bidder shall also familiarize himself with all addenda, all project drawings, alternates where applicable, and all specifications concerning this Project, so that the Bidder may make his construction plans accordingly. No allowances or extra payment will be made to the

Contractor for or on account of costs or expenses occasioned by his failure to comply with the provisions of this paragraph, or by reason of error or oversight on the part of the Contractor.

2. Copies of boring logs and other records of subsurface investigations and tests are available to the Bidders as part of the bid documents. It is understood and agreed that such subsurface information, whether included in the drawings, specifications, or otherwise made available to the Bidder, was obtained and is intended for Owner design and estimating purposes only. Subsurface information is made available for the convenience of all Bidders. It is further understood and agreed that each Bidder is solely responsible for all assumptions, deductions, or conclusions which he may make or obtain from his examination of the boring logs and other records of subsurface investigations and test that are furnished.
3. Complete sets of Bidding Documents shall be used in preparing Bids. Neither Owner, Manhattan, nor the Architect assumes any responsibility for errors, omissions, or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

DESCEPANCIES, OMISSIONS or INTERPRETATIONS

1. Bidder shall promptly notify the Construction Manager of any ambiguity, inconsistency, or error which they may discover upon examination of the Bidding Documents or Contract Documents or of the Site and local conditions. Bidders requiring clarification or interpretation of the Bidding Documents or Contract Documents shall make a written request to the Construction Manager. Interpretations will not be made orally. Notification to Manhattan shall be made no later than Ten (10) calendar days prior to the bid date.
2. Any interpretations, correction, or change of the Architect's Contract Documents will be made in writing by Addendum and issued to the Bidders by the Construction Manager. Interpretations, corrections or changes to the Documents made in any other manner will not be binding, and bidders shall not rely upon such interpretations, corrections and changes.
3. Telephone calls for clarification or interpretation of the documents will not be accepted by the Architect or the Owner. All calls must go through the Construction Manager designated on the Invitation to Bidders Recap Sheet.
4. The Subcontractor is fully aware that a complete working system shall be provided and performed to meet the functionality for which it was intended. It is understood and agreed that refinement and detailing of Drawings/Specifications will be accomplished from time to time, without adjustment in the contract sum or contract time. Refinement or detailing resulting in changes in the Scope, Quality, Function, and/or Intent not reasonably inferable or anticipatable by a subcontractor of subcontractor's experience and expertise shall be accomplished by Change Order with all items within this Contract applied.

BID PROPOSAL FORM

1. The submission of a bid shall be evidence that the bidder has made such examinations as called for and is satisfied as to the conditions to be encountered in performing the work and as to the requirements of all the Contract Documents.
2. Each bid shall be submitted on the Bid Proposal Form furnished by the Construction Manager. All blanks on the Bid Form shall be filled in by typewriter or manually in ink.
3. All requested Alternates and/or Unit Prices shall be bid. If no change in the Base Bid is required, enter "No Change". If any blank is not filled in, it will be considered "No Bid" and may be the basis for rejection of the entire Bid.
4. Bids by corporations shall indicate the legal name of the corporation, as indicated on their W9 form, followed by the name of the State of incorporation and must be signed by the President, Secretary, or one of the other officers of the corporation. The signature of a person authorized as agent to bind any of the above will be acceptable provided the Bid is accompanied by a proper Power-of-Attorney. Bids by corporations shall have the corporate seal affixed adjacent to the signature.

5. All signatures shall be in ink and the name of the persons signing shall also be typed or printed below the signature followed by a title showing the relationship to the bidding organization such as "Owner" in the case of a sole Owner; "Partner" in the case of a Partnership; "President", "Vice-President", "Secretary", or "Treasurer" in the case of a corporation; or "Agent" in the case of someone acting as Agent or Attorney-in-Fact.
6. Bid is based upon the materials, systems and equipment specified by the Bidding Documents without exception. Should a conflict be discovered within the Contract Documents, the SUBCONTRACTOR SHALL BE DEEMED TO HAVE ESTIMATED THE HIGHEST QUANTITY AND QUALITY, AND THE GREATER COST.
7. Subcontractor shall provide the scope of work as described in this bid package whether shown or not, including any reasonably inferable scope of work to make the same complete and operational system.
8. Bids must be received at the designated location prior to the time and date for receipt of Bids indicated in the invitation to Bid, or for any extension thereof made by Addendum. Bids received after designated Bid receipt deadlines may, at the sole discretion of the Construction Manager, be considered non-responsive.

ADDENDA

1. Neither Owner, nor the Architect will be responsible for any oral instructions by or any written confirmations of any oral instructions from any Bidder, Sub-bidder, Product Supplier, etc.
2. Any binding interpretation will be made only by written addendum duly issued. A fax or email notice to each Bidder who has received Bidding Documents that revised bid documents are available electronically. Manhattan shall not be responsible for the delivery of Addenda nor be accountable for the late delivery of Addenda. Each Bidder shall ascertain prior to submitting his Bid that he has received all Addenda issued.
3. Copies of Addenda will be made available for inspection wherever Bid Documents are on file for that purpose.
4. All addenda issued during the bid process shall become part of the Contract Documents and receipt thereof shall be acknowledged on the Bid Proposal Form.

ALTERNATES

1. The scope of any Bid alternates will be issued by Addendum during the Bid period. Bid forms will be appropriately modified by Addendum to reflect any required Bid Alternates.
2. Alternate prices may be considered irregular and rejected if they are obviously unbalanced either in excess of, or below, reasonable cost analysis values as determined at the sole discretion of the CM.
3. Include as part of each Alternate miscellaneous devices, appurtenances and similar items incidental to or required for a complete installation whether or not mentioned as part of the alternate.
4. Alternates (either mandatory or voluntary) shall be accepted in any order or combination and to determine the low Bidder on the basis of the sum of the Base Bid and the Alternates accepted in conjunction with other bid considerations.

UNIT PRICES

1. Each Bidder must bid upon all Unit Prices listed in the Bid Forms that are applicable to his Bid Category. They will be fully considered in awarding the contract. Should a unit price not affect his contract work, he shall insert "NA" in the blank spaces furnished for each required price. All blank spaces shall be filled in.
2. Each Unit Price shall include appropriate mark-up for tax (if applicable), overhead and profit, waste, insurance, delivery costs, adjustment for Performance and Payment Bonds, handling and storage, labor

where applicable and all such other incidental costs required for the work. Quantities shall be measured as final, in-place quantities.

3. Bids may be considered irregular and be rejected if Unit Prices are considered by the CM to be unbalanced either in excess, or below, reasonable current market values.
4. There shall be no more than 5% difference between additive and deductive Unit Prices based on the lower amount.

SALES TAX

1. Sales Taxes. Portions of this project are tax exempt. Review sketches in instructions to Proposers for more information.

SUBSTITUTIONS

1. Base Bid Proposal shall be per plans and specifications. All substitutions shall be approved by the Architect and Engineer prior to bid.
2. If approved by the Architect, modification will be made by the Addendum issued through the Construction Manager. Said approval will indicate that the additional article, device, product, material, fixture, form or type of construction are approved for use insofar as the requirements of this project is concerned.
3. Bids are not to be based on the assumption of approval for any item. Only the substitutions approved by the Architect by written Addendum are acceptable for use in this project.
4. Any modification to the work of other trades required, as a result of the use of an approved substitute shall be paid by the Subcontractor proposing the Substitution.
5. Any additional engineering costs required to be performed by the Architect, other than reasonable review services, to approve, implement or coordinate the substitution, shall be paid by the Subcontractor proposing the substitution.
6. Under no circumstances will the Architect be required to prove that a product proposed for substitution is or is not of equal quality to the product specified. It is mandatory that the Subcontractor submit a complete description of the proposed substitute; the name of the material or equipment for which it is to be substituted; drawings; cuts; performance and test data; and any other data or information necessary for a complete evaluation.

INSURANCE

1. During the life of the Project and for such additional time as may be further specified, the Subcontractor shall provide, pay for and maintain in full force and effect insurance outlined herein for coverage at not less than the prescribed minimum limits of liability, covering his own activities and those of any and all Subcontractors and Suppliers.

PAYMENT AND PERFORMANCE BOND

1. Manhattan, prior to execution of the Contract, may require the Bidder to furnish a Performance Bond and a Labor and Material Payment Bond equal to one hundred percent (100% of the contract amount) from an A.M. Best "A" rated surety on forms supplied herein.
2. The Bidder shall deliver required bonds prior to starting work or execution of the Contract.
3. The cost for such bonds shall not be included in the Base Bid but will be an add Alternate on the Bid Form.

WITHDRAWAL OR REVISION OF BID PROPOSAL

1. Any bid may be withdrawn or revised in writing prior to the scheduled time for opening of Bid.
2. A bid may not be modified, withdrawn, or cancelled by the bidder during the stipulated time period

following the time and date designated for the receipt of Bids.

3. Bids submitted early may be modified or withdrawn only by notice to the party receiving Bids at the designated place and prior to the time for receipt of Bids. Such notice shall be in writing over the signature of the Bidder.

EQUAL EMPLOYMENT OPPORTUNITY

1. Subcontractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, disability or national origin; and will take affirmative action to ensure that its applicants are employed and its employees are treated fairly during employment without regard to their race, color, religion, sex, age, disability, or national origin. Such nondiscrimination shall include, but not be limited to the following areas of employment practice: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff and termination; rates of pay and other forms of compensation; and selection for training; including apprenticeship. Subcontractor shall post in conspicuous places, available to its employees and applicants for employment, notices setting forth the policies of nondiscrimination.
2. While this project has no technical requirements for participation, subcontractors are encouraged to employ Historically Underutilized Businesses and Minority and/or Women-owned Business Enterprises for completion of the work.

PREVAILING WAGES

1. Subcontractor is aware of the requirements in the Contract Documents with regard to prevailing wages. The prevailing wage schedule used for this project shall be in accordance with Texas Government Code, Chapter 2258. . Please reference the Colin County Prevailing Wages (<http://www.wdol.gov/Index.aspx>).

PRECONSTRUCTION CONFERENCE

1. After award of the contract, a preconstruction conference shall be scheduled and conducted by the Construction Manager at the job site to review the requirements of the Project. Each Subcontractor and major material supplier shall be required to attend the conference.

Attachment 'A'
Instructions to Proposers

**Frisco Multi-use Special Event Center & Dallas Cowboys Headquarters
Mechanical / Electrical / Plumbing Services**

Instructions to Proposers

Attachment A

Request for Competitive Sealed Proposals (CSP)

Key Dates

1. Issue CSP: July 14, 2014
2. Pre-Proposal conference: July 22, 2014
3. Deadline for Written Questions: July 24, 2014
4. Issue Last Addendum: July 25, 2014
- 5. **Deadline Initial Proposal submission: July 29, 2014****
6. Post-Proposal Review by Manhattan: July 30 – August 5
7. Post-Proposal Interview (Mechanical/Plumbing): August 11, 2014
8. Post-Proposal Interview (Electrical): August 12, 2014
9. Proposal Evaluation Completion: August 15, 2014
10. Target Date for Selection: August 19, 2014
11. Anticipated Start Date for Underground Scope of Work..... October 20, 2014

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- 1. Mechanical/Plumbing , Electrical Services Engagement**
- 2. General Scope and Nature of the Work**
- 3. State of the Design Documents**
- 4. Competition Requirements and Determination of Allowable Costs**
- 5. Anticipated Bonding Requirements**
- 6. Insurance Program**
- 7. Schedule for Selection/Award and Miscellaneous Bidding Information**
- 8. Manhattan’s Representative for this CSP**
- 9. Instructions on Sending Written Questions**
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**Frisco Multi-use Special Event Center & Dallas Cowboys Headquarters
Mechanical / Electrical / Plumbing Services**

Instructions to Proposers

Attachment A

- 11. Scope of Work**
- 12. BIM Capabilities**
- 13. Construction Services**
- 14. Selection Criteria**
- 15. Post Proposal Discussions**
- 16. Attachments**
- 17. Exhibits**

1. Mechanical/Plumbing , Electrical Services Engagement

Manhattan is soliciting competitive sealed proposals (“CSP” or “Proposal”) from qualified subcontractors for Preconstruction Services and Construction required in connection with the proposed Frisco Multi-use Special Event Center (MUSEC) and the Dallas Cowboys Headquarters (HQ) with respect to the following trades:

- Mechanical/Plumbing
- Electrical

The intent of this solicitation is to select one subcontractor to execute all portions of the Mechanical/Plumbing and Electrical work and are expected to function as part of the Manhattan’s preconstruction team during the development of documents. Services shall include; providing a variety of design assist advice, constructability reviews and construction cost analysis services necessary to support design and construction in an effort to optimize the schedule and cost of the project.

A complete proposal with all required cost breakdowns and other related documents must be submitted no later than the date and time described in Section 01 of this CSP. Manhattan will first review the Proposal and make a determination of the proposals as outlined in section 14 Selection Criteria. Manhattan will identify in writing any deficiencies and any necessary clarifications to the respective proposers for the purposes of technical and price adjustments to the proposals before commencement of post-proposal discussions.

The selection team will hold post-proposal discussions and interviews with subcontractors following proposal analysis to conduct a thorough review of the proposals and to identify any further deficiencies or weaknesses after which the subcontractor will provide price adjustments for any scope modifications. Personnel required to attend the post-proposal discussions and interview from the subcontractor’s team include the proposed Project Executive, Preconstruction Manager, Project Manager and Superintendent.

**Frisco Multi-use Special Event Center & Dallas Cowboys Headquarters
Mechanical / Electrical / Plumbing Services**

Instructions to Proposers

Attachment A

These or other individuals attending this post-proposal discussions and interview must have the authority to represent your company and to make decisions and/or commitments on behalf of the company that will be incorporated into the Post Proposal Price Adjustments. The discussions will be held at **Manhattan Construction's Dallas offices located at 6300 N Central, Dallas, Texas 75206.**

2. General Scope and Nature of the Work

As of the issuance of this CSP, earthwork and mass grading has begun on the project. The underground for this scope of work is slated to begin October 2014 with the project completing in June 2016.

This project can be broken down into six (6) major components:

- The Multi-use Event Center and Indoor Practice Field
- The Indoor NFL Practice Facility
- The Outdoor NFL Practice Facility (Outdoor Practice Fields)
- The Parking Garage (including the Garage Roof Deck)
- The Retail and Conference Center Facility
- The Headquarters Offices (two 6-story towers)

Please refer to the attached Sketch which illustrates these major components.

Manhattan will provide hoisting via cranes and man/material hoists as well as areas for subcontractor material storage, offices and parking per the attached logistics plan.

Subcontractors are expected to utilize BIM modeling for clash detection and to provide advice on optimum routing/zoning based on information and other structural backgrounds provided by Design Team.

Subcontractor shall note that portion of this project are Tax Exempt per state of Texas standard terms. Taxable vs. Tax Exempt are noted below:

Tax Exempt:

- The Multi-use Event Center and Indoor Practice Field
- The Indoor NFL Practice Facility
- The Outdoor NFL Practice Facility (Outdoor Practice Fields)
- The Parking Garage (including the Garage Roof Deck)

Taxable Areas:

- The Retail and Conference Center Facility
- The Headquarters Offices (two 6-story towers)

**Frisco Multi-use Special Event Center & Dallas Cowboys Headquarters
Mechanical / Electrical / Plumbing Services**

Instructions to Proposers

Attachment A

3. State of the Design Documents

The underground package design documents are approximately 70% complete for the entire project. Proposers are expected to provide a proposal to perform all work reasonably inferable per underground package and as necessary to provide a complete and functioning building in accordance with all applicable codes and industry practices. All communications between Manhattan and the Proposers that may affect the proposal responses must be in writing and thus provided to all Proposers. Proposers are encouraged to provide written questions throughout the process until the cutoff date per project schedule noted.

Documents and Exhibits provided in this CSP are intended to be complementary and global in scope. What is required in one of the CSP documents is required by all, and the greater scope supersedes, unless Manhattan directs otherwise in writing. In the event of an irreconcilable conflict between the CSP documents, the following order of precedence for the Proposal documents shall apply: 1) the "Prime Contract"; 2) Instruction to Proposers; 3) Manhattan's answers to Proposers' questions; 4) Manhattan's Scope of Work and Special Provisions; 5) The Design Narrative; 6) Drawings; and 7) Specifications.

Proposers should carefully define the anticipated scope of Work in their proposals with the intent of providing the design team a roadmap to complete the design documents without a change in scope. All assumptions that have the potential to be ambiguous as being inferred or necessary for a functioning practice facility, stadium, or office that are not shown or described on the CSP documents should be appropriately defined in the Proposal. To that end, Proposers should submit their Bid form, clarifications and assumptions, and any drawings/sketches to clarify their scope in a separate bound volume that does not count against the page limits for the proposal. All estimating information and other information that are confidential and proprietary to a Proposer and marked as such in the proposal will be kept confidential to the extent allowed under applicable law.

4. Competition Requirements and Determination of Allowable Costs

The Proposal shall contain:

- i. a Lump Sum Amount for preconstruction services for the entire project.
- ii. a Lump Sum Amount for the underground construction cost of work broken down into the six (6) major components.
- iii. a Lump Sum Amount for general conditions for the entire project.
- iv. a Fee Percentage to be applied to the entire project cost of work and general conditions.

Manhattan will utilize the Lump Sum Amounts and Proposer's qualifications to select a contractor. Once selected, the subcontractor, along with Manhattan, shall establish a GMP budget for their specific scope of work and it shall be that subcontractor's responsibility to work with Manhattan and the Design Team to maintain the GMP budget and the project schedule. At Manhattan discretion, subcontractor shall convert the GMP amounts to a lump sum subcontract at or near the conclusion of the preconstruction period when

**Frisco Multi-use Special Event Center & Dallas Cowboys Headquarters
Mechanical / Electrical / Plumbing Services**

Instructions to Proposers

Attachment A

the subcontractor has proven to Manhattan's satisfaction it has achieved competitive bids on all purchased materials and equipment and subcontracted work. Manhattan reserves the right to utilize a GMP contracting method for the entire duration of the subcontract. For all other cost items that will not achieve competitive bids, such as labor, supplies, small tools, shop-related costs, and any overhead rates or labor burdens, the subcontractor must utilize percentages as listed on the bid form and shall include information for Manhattan to evaluate the reasonableness of the costs within the proposed lump sum price and conformance with applicable provisions of Manhattan's contract with the Owner (the "Prime Contract"). All proposers are encouraged to include local and M/WBE subcontractors as part of the subcontractor's team.

At the time the GMP is established, subcontractor shall provide all labor burden, overhead rates, shop rates, and equipment rates which will be used for calculation of change orders to the lump sum contract.

Until the selected subcontractor has met its obligations to convert to a lump sum amount for each phase, it shall be reimbursed for its costs, allowable under the "Prime Contract", with its proposed overhead and fee percentages as indicated in bid form applied to the actual cost of the work (all cost associated with the non-reimbursable elements as defined in the "Prime Contract" should be included in the Overhead and Fee percentages). To the extent the proposers have shop charges related to operation of prefabrication facilities associated with pre-fabricated components, those rates will be audited and fixed after award as a direct cost of the work and applied to all pre-fabricated material and labor cost. Shop charges do not include overhead and other off site costs (estimating, preconstruction, etc.) in connection with professional preconstruction services.

5. Anticipated Bonding Requirements

Manhattan will require a separate bid amount (see bid form) for the their respective scope of work P&P Bonds. The decision to utilize a standard Payment and Performance Bond or other form of Surety will be at the sole discretion of Manhattan and Subcontractor will be notified of the final decision once all factors are weighed.

Proposers should anticipate the following bond capacity will be required over the duration of the project.

Estimated maximum bonding amount will be as follows:

- Bond capacity for Mechanical/Plumbing: \$25 million.
- Bond capacity for Electrical: \$20 million.

6. Insurance Program

Manhattan Construction has provided a CCIP (Contractor Controlled Insurance Program) that will cover all Worker's Compensation, General Liability, Completed Operations, and Pollution Liability for all on-site operations. Therefore, proposers are required to provide their own off site CGL, offsite WC coverage, and Auto Liability for both on and off site operations as evidenced in attached Exhibit G.

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Manhattan and Owner reserves the right to conduct an audit to determine the actual cost of insurance after completion of the work.

Furthermore as a requirement of the safety CCIP, all employees working on the project will be required to attend a safety and project orientation session. The training will be conducted on-site .

The Proposers will need to include cost this session for all the employees and supervisors.

7. Schedule for Selection/Award and Miscellaneous Bidding Information

- a. Key dates and milestones in the evaluation and selection process of Mechanical/Plumbing, Electrical work are listed on page one of the instructions to bidders and shall only be modified by written addendum.
- b. **Pre-Proposal Conference** will be held July 22nd at the Manhattan's Dallas Office, Texas per the date and time listed on page one under Key Dates. Attendance is strongly recommended.
- c. CSP Document Availability: Documents are available through Manhattan only via iSqFt, or a disk may be provided upon request. Printed copies of documents will not be provided. Do not contact the Design or Ownership Teams for drawings.

8. Manhattan's Representative for this CSP

- All general and Division 1 questions:
Benton Hagler, Senior Estimator
Manhattan Construction
Phone: 214-357-7400
Email: bhagler@manhattanconstruction.com

- For all Mechanical / Plumbing Scope Questions:
Matt Barker, Project Manager
Phone: 214-357-7400
Email: mbarker@manhattanconstruction.com

- For all Electrical Scope Questions:
Scott Blasing, V.P. Preconstruction
Phone: 214-357-7400
Email: sblasing@manhattanconstruction.com

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9. Instructions on Sending Written Questions

- a. Questions shall be submitted to the designated Manhattan Representative via email or other written means.
- b. The deadline for receiving questions is per the date and time listed on page one under Key Dates.
- c. Manhattan's replies will be distributed in writing to all proposers receiving the CSP by posted addendum.
- d. No oral statement, clarification, or any other communication relating to the CSP or the Project are valid or binding unless the information is issued in writing by Manhattan's Representative.
- e. Manhattan's Representative is the only person authorized to provide a formal response to a proposal question. No other person has authorization to make any statement that would bind Manhattan regarding this CSP.

10. Instructions on Delivering Printed Material

- a. The deadline for delivering Initial Proposal and printed material to Manhattan is per the dates and times listed on page one under Key Dates.
- b. Provide 10 sets of printed material on three-hole-punch 8 ½" X 11" paper printed front and back in color and portrait with tabs dividing the sections as described below.
- c. **All Material will be delivered to Manhattan at Manhattan's Main Office located at 6300 North Central Expressway, Dallas, Texas 75206.**
- d. The printed material shall be limited to 40 pages for each volume using single-spaced 11 pt. font. The page count limit of 40 pages does not include specifically required supplemental information such as divider pages or tabs or blank pages or supplemental information such as D/M/WBE plan, Assumptions and Clarifications. Any pages in the printed material beyond the 40 page limit in Volumes 1 and 2 will not be reviewed or evaluated. Number each printed page in the printed material from 1 sequentially to a maximum of 40.
- e. Schedules and other oversized documents may be provided on larger-size three-hole fold-out paper, preferably at 11" x 17" in size.
- f. Divide your submission into the following:
 - Two (2) separate bound volumes.
 - Volumes 1-2 are due on the Initial Proposal Submission date and time listed on page one under Key Dates.
 - Identify each with your company name.
 - Use blank Avery 10-Tab Labels or equivalent and title the tabs in the binders as follows:

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1. For **Volume One**:
 - i. As a coversheet in front of the first tab, place your company name, address, and contact information of who will address questions and comments regarding the proposal.
 - ii. Label the first tab, "Pricing". Insert printed material for Criterion A (see Section 14 below) behind this tab. Include the Bid Form in front, and any clarifications or assumptions behind the Bid Form.
 - iii. Label the second tab, "Experience". Insert printed material for Criterion B (see Section 14 below) behind this tab.
 - iv. Label the third tab, "Staff". Insert printed material for Criterion C (see Section 14 below) behind this tab.
 - v. Label the fourth tab, "Technical Approach". Insert printed material for Criterion D (see Section 14 below) behind this tab.

2. For **Volume Two (due with Initial Proposal)**:
 - i. As a coversheet in front of the first tab, place your company name, address, and contact information of who will address questions and comments regarding the proposal.
 - ii. Label the first tab "Contract Language". Insert printed material for Criterion E. Please list the name of the person to be contacted for contract negotiations.
 - iii. Label the second tab "Safety". Insert printed material for Criterion F.
 - iv. Label the third tab "Bonding". Insert printed material for Criterion G.

11. Scope of Work

- a. General
 1. To allow for the scheduled completion of the project, it is anticipated that the Project will be delivered via a design assist process with opportunity to recommend packaging of design and construction documents to expedite bidding and construction.
 2. The selected subcontractors will be integral members to the Project Construction Team. The primary focus of the selected subcontractors shall be to provide a variety of document reviews, budgeting, scheduling, phasing, and constructability reviews necessary to support the design and construction effort.
 3. The selected subcontractors will be performing continuous budget management until the design is complete with responsibility to identify (at least monthly) scope creep and other events with cost implications to the subcontractor, including any usage of the established contingency within the GMP.
 4. Manhattan intends to utilize the same successful bidder for mechanical/plumbing, electrical for preconstruction and construction for all six of the project components.

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5. Subcontractors shall include cost associated with drug testing its personnel as required per the CCIP Manual.
- b. Preconstruction Services (approximately 4 Months)
1. Design/Preconstruction Services review meetings will be held as needed, but as a minimum, once every week through the completion of the design phase and periodically thereafter, as required. The selected subcontractor shall attend and participate in all meetings. Meetings may be held at the Owner's, Architect's, Engineer's, or Manhattan's offices, whichever is deemed most appropriate at the time by the Project Construction Team.
 2. The selected subcontractors shall provide continual value engineering services addressing constructability; life cycle analysis; existing conditions surveys; availability of materials for specialized systems; comparative cost/benefit analysis for various systems. Budget/schedule impact will be evaluated with the Project Construction Team as specific phases of the overall design are developed in order to avoid the development of the Contract Documents that exceed budget and schedule limitations.
 3. In addition to the continuous budget management described in b2 above, the selected subcontractors shall be required to follow the following process to reconcile estimates and/or changes in scope:
 - i. Prepare two fully detailed estimates in each area for their respective scopes of work utilizing unit costs as established in the GMP proposal, which will be held and utilized in establishing Lump Sum pricing. These unit costs include all tools, consumables, markups, contingency, escalation, and fee. General Conditions and Preconstruction cost is not part of these unit costs.
 - ii. To track the changes against the accepted proposal price, schedule, and assumptions in the subcontract, the detailed estimates are due no later than two weeks after issuance of Documents. All supplemental estimates shall be submitted with a complete price breakdown (tracking line item changes in scope, detailed listing of qualifications and assumptions, inconsistencies, delays or problem areas which could impact budget parameters and final delivery into the construction phase of the project. Each subsequent estimate/budget shall address (and eliminate, if possible) the earlier assumptions and clarifications included in the previous budget.
 - iii. Subcontractor will demonstrate that it has achieved competition (i.e., expectation of at least three bids) for all items over \$25,000 before any GMP is converted into a lump sum.

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4. Should GMP amounts be converted to lump sum, all new revisions will be reconciled in accordance with The “Prime Contract”, with cost and pricing data, and as per Change Order Form submitted with the proposal. Manhattan will utilize rates submitted in the proposal for all changes to the subcontract.
 5. The selected subcontractors shall conduct constructability reviews for all phases in collaboration with the Project Construction Team to determine the design documents will result in construction documents that are sufficiently complete, accurate and coordinated to the existing conditions so as to reduce the risk of disruption, delay, change orders, and potential claims. No change orders will be issued related to errors or omissions or lack of coordination in the Construction Documents that were reasonably inferred.
 6. The selected subcontractor shall continually seek to create value by identifying options to improve constructability and functionality, reduce capital or life cycle costs, or provide operational flexibility consistent with the Owner’s program needs.
 7. The selected subcontractor shall assist the Project Construction Team with schedule development by verifying schedule sequencing, logistics to expedite materials, verifying activity durations, and systems testing to meet the intent of the design.
 8. The selected subcontractor shall assist the Project Construction Team with creating performance standards to measure and track quality. This shall include, but not be limited to, developing quality procedures, quality assurance checklists, manufacturing mockups, conducting pre-work meetings, performing first work inspections, system checks and startup.
 9. The selected subcontractor shall assist with reviewing Owner Furnished Equipment and furnishings, installation costs, and any other items that may potentially affect the construction costs.
 10. The Project Construction Team and selected subcontractors shall share the goal of minimizing the need for requests for information (RFI’s) during the construction phase, through effective collaboration and communication during the preconstruction phase of the project. This will require the Subcontractor’s full understanding of design requirements, including the design intent and all project technical requirements prior to commencement of construction.
 11. **Construction Document Coordination and Constructability Review:** The nature of the design documents, when complete, and the respective subcontractor’s responsibility with respect thereto will fit the following descriptions:
 - i. **Mechanical/Plumbing (HVAC) Documents — Produced by Design Engineer**
 - a. System Flow Diagrams

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- b. Enlarged mechanical/plumbing rooms with equipment and ductwork shown and sized
 - c. Ductwork shown and sized in shaft
 - d. High pressure and medium pressure ductwork sized and shown on floor plans
 - e. All equipment scheduled and located on drawings. Distribution boxes identified with required cfm. Any reheat requirements will be identified.
 - f. Fire dampers, smoke dampers, & fire/smoke dampers shown.
 - g. Thermostats and sensor locations shown.
 - h. Special systems, such as fan coil units or communications room units, designed and sizes shown.
 - i. Specifications for HVAC systems, materials, and equipment
- ii. Mechanical/Plumbing Subcontractor shall produce 3-D models covering all items listed above and add the following:**
- a. Show all low pressure ductwork to boxes coordinating ceiling space with all other disciplines.
 - b. Show and size all distribution points using criteria given by Design Engineer.
 - c. Represent in 3D all clearance and access zones.
- iii. Mechanical/Plumbing (Misc. Piping) Documents — Produced by Design Engineer**
- a. System Flow Diagrams
 - b. Enlarged mechanical/plumbing rooms with all equipment and piping shown and sized
 - c. Piping shown and sized in shaft
 - d. Piping mains and branches to boxes sized and shown on floor plans
 - e. Piping distribution to boxes shown
 - f. Special piping systems such as fan coil units or computer room units designed and sizes shown
 - g. Required isolation valves shown
 - h. Required special devices such as backflow preventers, pry's, traps, etc. shown
 - i. Specifications
- iv. Mechanical/Plumbing Subcontractor shall produce 3-D models covering all items listed above and add the following:**
- a. All piping mains and branches to boxes coordinating ceiling space with all other disciplines. Represent in 3D all clearances and access zones.
- v. Plumbing Documents — Produced by Design Engineer**
- a. Enlarged equipment room layouts with all piping and sizing

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- b. All waste, vent, storm, and potable water piping shown and sized on plans including branch lines to fixtures and batteries of fixtures
 - c. All fixtures labeled
 - d. All isolation valves located
 - e. Plumbing layouts with fixture callouts show.
 - f. All special systems shown and sized
 - g. All required special devices such as backflow preventers
 - h. Specifications for all Plumbing Systems, Materials, and Equipment.
- vi. **Mechanical/Plumbing Subcontractor shall produce 3-D models covering all items listed** above and add the following:
- a. Show and size all branch take-offs and piping in chases
 - b. Show all water hammer arrestors and required trap primers
 - c. Show all piping and special systems equipment and piping, coordinating ceiling spaces with all other disciplines
 - d. Represent in 3D all clearance and access zones.
- vii. **Electrical (power) Documents — Produced by Design Engineer**
- a. Enlarged plans of electrical rooms showing all equipment
 - b. All receptacle locations shown by type and circuited
 - c. All mechanical plumbing equipment should be scheduled
 - d. All low voltage head end equipment should be scheduled
 - e. One-line/riser diagram showing all equipment and feeder/conduit sizing
 - f. Coordination study verifying all essential systems properly coordinate per NEC 517
 - g. Panel schedules shown on plans
 - h. Specifications
- viii. **Electrical (lighting) Documents — Produced by Design Engineer**
- a. All fixtures shown by type normal life safety with controls
 - b. Circuiting by area and not on individual devices
 - c. All site lighting shown by type with controls
 - d. Complete fixture schedule shown on plans
 - e. Specifications
- ix. **Electrical (low voltage) Documents — Produced by Design Engineer**
- a. All devices shown on plans, including devices/types, paging speaker locations (if separate from fire alarm system), all telephone/data outlet locations, all fire alarm devices (detection and notification), and all security devices
 - b. Cable tray sized and shown for general locations required
 - c. A riser shown for vertical telephone/data communications pathways

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- d. A security riser will be shown
- e. Enlarged plans of communications rooms and security rooms with all known equipment shown
- f. Specifications for low voltage electrical systems, materials and equipment

- x. **Electrical Subcontractor shall produce 3-D models covering all items listed above (power, lighting, and low voltage) and add the following:**
 - a. Show all branch circuiting with homeruns and circuit numbers. Include general routing of existing conduits to aid in coordination
 - b. Complete panel board schedules to include final circuit numbers shown on plans. Along with general routing of existing conduits to aid in design coordination
 - c. Show wiring devices in all rooms that fall under typical category
 - d. Assistance will be required to complete the coordination study to include actual breakers/devices to be installed
 - e. Represent in 3D all clearance and access zones.
 - f. All lighting fixtures

12. BIM Capabilities

The optimum use of Building Information Modeling (BIM) for the Project continues to be evaluated. At minimum BIM will be used for the coordination of all mechanical/plumbing, electrical, fire protection and low voltage scopes with the use of 3D models or “clash detection” models using Navisworks (additional items may be required as determined by the Manhattan BIM Manager). The projects BIM integration effort will be led by Manhattan’s BIM Manager, but subcontractor BIM qualifications are key to its success. It is important that subcontractors communicate their BIM capabilities, including clarity, on their plan for utilizing in house staff vs. subcontractors. Subcontractor will be expected to model their respective scopes of work utilizing the latest versions of software available and will maintain the software and hardware technologies as new versions are released throughout the course of the project.

13. Construction Services

- a. Project Controls
 - 1) Each subcontractor shall comply with and enforce Manhattan’s work policies and procedures.
 - 2) Each subcontractor shall coordinate and monitor their activities and work between all other subcontractors and project team to ensure project objectives of cost, time, and quality are achieved.
 - 3) Each subcontractor shall keep accurate records of all bid information and prepare cost and pricing data to substantiate the reasonableness of their proposal price until converted to a lump sum and keep accurate records of actual costs for any reimbursable costs and insurance.
 - 4) Each subcontractor shall maintain full time staff on-site to coordinate and direct their work as defined in the General Conditions cost breakdown.
 - 5) Each subcontractor shall review issues related to progress problems, safety, quality, scheduling, and cost.

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- 6) Each subcontractor shall monitor schedule as construction progresses and identify potential variances between scheduled and probable completion dates. Review schedules of work not started or completed and make adjustments and recommendations to meet scheduled completion dates.
- b. Shop Drawings/Submittals
 - 1) Each subcontractor shall manage the flow and processing of submittals and shop drawings to meet the project schedule and ensure all submittals are completely reviewed for contract compliance prior to issuing to Manhattan.
 - 2) Each subcontractor shall be responsible for reviewing and approving all submittals and shop drawings prepared by 2nd tier subcontractors and outside detailers. This shall include any submission of shop drawings to the Authorities Having Jurisdiction or as may be required for mockup testing.
- c. Permits & Fees
 - 1) Each subcontractor shall pay for and obtain all necessary permits and pay all fees associated with their scope of work except for the City of Frisco construction permits.
- d. Quality Control / Inspections
 - 1) Each subcontractor will be required to furnish, administer, and implement their own Quality Control Plan consistent with the Manhattan's QC Plan developed for their related scope. Manhattan's project staff will aid the subcontractor in development of a QC Plan if they do not currently have one. This subcontractor must submit their QC Plan for the Manhattan's approval prior to work commencing.
 - 2) The subcontractor's plan is expected to convey the methods they will employ to control the quality of their work and installations. The subcontractor's plan should include the activity descriptions, the inspection procedures, how reporting and follow-up will be accomplished, and steps for correction and improvement will be taken. The subcontractors are expected to have a dedicated QC Manager with 5 years minimum experience on site at all times work is being performed.
 - 3) Each subcontractor shall help coordinate and attend all local and/or state inspections applicable to their respective scopes of work and other related scopes of work as necessary. Each subcontractor shall provide the required supervision and personnel to facilitate these inspections and approvals necessary to obtain occupancy by the Owner.
 - 4) The selected subcontractor shall assist the Project Construction Team with creating performance standards to measure and track quality. This shall include, but not be limited to, developing quality procedures, quality assurance checklists, manufacturing mockups, conducting pre-work meetings, performing first work inspections, system checks and startup
- e. Safety Program
 - 1) Each subcontractor will be required to furnish, administer, and implement their own Safety Program consistent with the Manhattan's Safety Program developed for the Project. This subcontractor must submit their Safety Plan for Manhattan's approval prior to work commencing. Proposer shall provide all Safety personnel required per the Safety manual attached to this CSP.

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- 2) The subcontractor's plan is expected to convey the methods they will employ to control the safety of their work and installations. The subcontractor's plan should include the activity descriptions, the job hazard analysis procedures, how reporting and follow-up will be accomplished, and how steps for correction and improvement will be taken.
 - f. Commissioning
 - 1) Each subcontractor shall coordinate the checkout and system startup of all associated systems and equipment operation and readiness with the Owner's commissioning agent.
 - g. Final Completion
 - 1) Each subcontractor shall provide Owner training for equipment and systems for their associated scope of work including on-site training by manufacturer's technical representatives.
 - 2) Each subcontractor shall provide all certifications and testing reports required for Owner occupancy.
 - 3) Each subcontractor shall provide required O&M Manuals, record drawings, maintenance tools, and excess materials as required for proper maintenance by the Owner.
 - 4) Each Subcontractor shall provide warranties as outlined in the contract documents. The warranty period shall begin on the date of Final Completion. Any necessary manufacturers' extended warranties and the cost there of required to accommodate the period between Start-Up and Final Completion shall be included.

14. Selection Criteria

1. Criterion A: Pricing. Weight (30) points (pages will not count towards page count)

- a. Complete the attached Bid Proposal Form for the Scopes of Work listed in the required Breakouts. The lowest cumulative final adjusted sum of all the items i through v. below will be awarded the maximum number of points. Proposals with the final adjusted sum above the lowest priced proposal will be awarded points based on a pro-rata percentage.
 - i. Cost of Work for underground package. (Lump Sum)
 - ii. Proposed Preconstruction Services. (Lump Sum)
 - iii. Proposed General Conditions. (Lump Sum)
 - iv. Proposed Fee. (percentage)
 - v. Proposed Burden Rates. (percentage)
- b. Detailed Back-Up shall be provided with complete, itemized breakdown showing all anticipated costs, including but not limited to, staff, trailers, BIM coordinators and equipment, etc. Detailed estimate breakdown subtotals shall equal the system breakouts on the Bid Proposal Form. These detail line item prices shall be utilized in all future budgeting exercises for changes.

2. Criterion B: Company Description and Experience. Weight (15) points. (All pages will count on the page count)

- a. Describe the company's total size, resources, staffing, expertise, and workload as a business.

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- b. Describe your company's financial strengths and capabilities. Prior to award the selected subcontractor must submit financial and bonding information for the company (Prequalification).
- c. Provide a list of completed Multi-purpose or Sports Venues. (please provide references)
- d. Provide a list of completed 300,000 SF Offices. (please provide references.)
- e. Provide a list of completed or ongoing projects with Manhattan Construction.
- f. Provide a list of projects that share a similar size and complexity to this project. (please provide references)
- g. Provide a list of completed or ongoing projects with Gensler Architects or with Henderson Engineers.
- h. Experience in managing projects under design assist or GMP:
 - i. Describe three projects in the organization's construction management portfolio in the past five years that were cost reimbursable with a GMP and most closely match the scope and features of this project.
 - ii. Describe any unique aspects in managing the GMP for each project.
 - iii. Provide name, address, phone number, and title of client references for each project.

3. Criterion C: Staff Chart and Staff Experience. Weight (20) points. (All pages will not count in the page count)

a. Key Team Members:

- i. Provide an organizational chart illustrating your key management and technical positions and structure for the project. For each person provide a short one or two paragraph synopsis of their experience, training, and most recent position and employer. Describe three projects in the organization's construction management portfolio in the past five years that most closely match the scope and features of this project.
- ii. Provide a resume for the person proposed for the top project leadership position. Describe this person's leadership attributes and experience. Describe the authority, and authority limits, that the organization or joint venture will vest with this person to manage the project. Describe any other duties this person may retain outside of the project.
- iii. Describe the positions that will report directly to the project leader. Describe the duties, span of control and authority for each direct report position. Describe the attributes, competencies, and experience for each person assigned to one of these direct report positions.
- iv. Provide the resume for the pre-construction services leader. Provide resumes for personnel who will report directly to the pre-construction services leader.
- v. Provide the resume for the construction services leader. Provide resumes for superintendents and project managers who will report to directly to the construction services leader.
- vi. For other positions on the organizational chart that have not already been addressed above, describe the purpose and duties and responsibilities for the position.

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4. Criterion D: Project Technical Approach. Weight (15) points. (All pages will count in the page count.)

a. Precon Strategy:

- i. Describe your proposed approach to Preconstruction Services including capabilities and availability of estimating resources.
- ii. Describe your bid strategy for 2nd tier subcontractors, suppliers, vendors, etc. that will provide the best value to the project with the lowest risk of escalation and insure adequate competition. Provide detail descriptions of your processes used to procure the specific trade packages and how your firm will ensure documented competition.
- iii. What aspects of the project will be most unpredictable or difficult to estimate? Why so? How will you go about determining accurate pricing for these conditions?
- iv. What are the likely impacts of current economic conditions on procurement?
- v. Describe your approach to early procurement of major equipment and long lead items to maximize owner savings and meet critical completion schedules.
- vi. It is likely the owner will ask for a GMP early in the design process, provide a narrative demonstrating your firm's approach to accurately cover scope that is not shown on preliminary design documents and cost control strategies that will result in completing the Work at or below the proposed amounts.

b. Constructability Review:

- i. Describe your procedures and objectives for reviewing design and construction documents and for providing feedback regarding cost, value engineering, schedule, and constructability to the Project Construction Team.
- ii. Describe your strategy for using permanent systems during construction (i.e., return air filtering) without damage or reduction in service life.
- iii. Describe your capabilities for Building Information Modeling (BIM) and how will it be used in this type of project. Describe how the preparation of the BIM will interface with the design engineers CADD designs with specific prior experiences describing your role in coordinating a previous design project with a BIM. Explain how computer files were shared and how the constantly changing information was distributed to all parties

c. Quality Control and Commissioning:

- i. Describe your teams approach to commissioning, and list any unique or proprietary systems you have successfully utilized.
- ii. Describe your Quality Control program and staffing for this project and how it will be implemented, specifically addressing any technology you plan to use (i.e., Vela System).

5. Criterion E: Contract Language. Weight (5) points. (pages will not count towards the page count)

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*Note: Answering “No” to any of the items below will result in No Points Awarded for the item.

- a. Does your company have an executed Master General Provisions with Manhattan?
- b. Manhattan will be utilizing subguard on this project; Has your company submitted a Prequalification Packet or submitted its latest fiscal year financial report.
- c. Does your company have any issues with the Contract Exhibits?
- d. Does your company have any issues with the minimum insurance requirements?

6. Criterion F: Safety. Weight (10) points. (pages will not count towards the page count)

Safety Program:

- a. Describe your Safety program for this project and how it will be implemented.
- b. Provide your EMR, your Incident Rate for the last three years, your OSHA violations in the last three years, and a description of any fatalities in the last three years. Provide copies of your OSHA 300 Logs and OSHA 300A Summary’s for the last three years.

7. Criterion G: Bonding (Subguard). Weight (5) points. (pages will not count towards the page count)

*Note: Answering “No” to any of the items below will result in No Points Awarded for the item.

Subguard Program:

- a. Manhattan will be utilizing subguard on this project; Has your company submitted a Prequalification Packet or submitted its latest fiscal year financial report?
- b. Has your company submitted a recent surety letter?
- c. For purposes of this project, proposers must be able to bond up to the following amounts:
 - Mechanical and Plumbing Systems: \$25Million
 - Electrical and Lighting Systems: \$20Million

15. Post Proposal Discussions

Team leaders should be involved in the presentation to a larger extent, to demonstrate their leadership and other personal characteristics such as personality, communication ability, and work competencies for the selection committee. The committee will score the written material presented only after post proposal discussions and necessary revisions to the proposal to address any weaknesses or deficiencies that have been identified to the Proposers as set forth below.

A. Instructions for Post Proposal Discussions

Criterion Pricing – GMP Pricing

- 1) Manhattan’s estimating team will evaluate Criterion A separate from the technical Information analyzing the pricing component of this proposal and hold post proposal scoping meetings with each qualified proposer.

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- 2) The post proposal meetings are to establish any deficiencies and/or requested price items that were not included or defined adequately.
 - 3) Should the Proposer fail to provide a valid response to the written deficiency or requested pricing, Manhattan may add or deduct the qualified, excluded, or omitted cost to achieve a comparable scope and pricing or Manhattan may find the Proposer not Responsible and remove the proposal from consideration.
 - 4) Once the pricing evaluation is completed, Manhattan will move forward with the next phase of Post Proposal Discussions.

Criterion A-E Technical Approach, Qualifications

- 1) Manhattan's selection team will evaluate Criterion B-F separate from the pricing information and hold post proposal interviews with each proposer per the dates listed on page one "Key Dates". The presentation dates are fixed and will not be changed. The order for verbal discussions will be determined by drawing lots, and will not be altered due to conflicts within your firm. The final discussions times will be forwarded to the selected Proposers after receipt of competitive sealed proposals.
- 2) One and one half (1½) hours is allotted for each discussion.
- 3) The discussion process will allow the Proposer to present to the selection committee its key team members, procurement and execution strategies, safety and quality control processes, and any other technical element of the proposal they wish to highlight. Pricing will not be discussed (pricing issues will be discussed only with Manhattan's estimating team).
- 4) The format will be informal and promote open dialogue between the Proposer and the selection committee and may continue with written questions and answers after the verbal presentation to clear up remaining questions. Presenters should allow time for dialogue with selection committee members.
- 5) Discussions will be held at Manhattan Construction Dallas Office; 6300 N Central, Dallas Texas 75206.
- 6) Once the discussions are complete, the committee will score all proposals independently. No direct contact is allowed between the proposer and any selection committee member. Any endeavor by any team member at any level to influence any selection member is grounds for immediate disqualification for selection.

16. Attachments

1. Instruction to Proposers
2. Standard Form of Subcontract
3. Breakouts Drawing
4. Site Logistics Plan
5. Mechanical and Plumbing
 - A. Scope of Work
 - B. Proposal Form

**Frisco Multi-use Special Event Center & Dallas Cowboys Headquarters
Mechanical / Electrical / Plumbing Services**

Instructions to Proposers

Attachment A

C. Detail Estimate Form

6. Electrical

- A. Scope of Work
- B. Proposal Form
- C. Detail Estimate Form

17. Exhibits

- A. Exhibit A: *Scope of Work (Blank)*
- B. Exhibit B: Payment and Performance Bonds (Not Applicable)
- C. Exhibit C: Insurance Requirements
- D. Exhibit D: Contract Documents
- E. Exhibit E: Special Conditions
- F. Exhibit F: Project Schedule
- G. Exhibit G: Tax Exempt (for portions of the project, only)
- H. Exhibit H: Manhattan Standard Safety Requirements

End of Attachment 1 – Instructions to Proposers

SECTION SEVEN



DOCUMENTS LOG

Project:	Frisco Multi-Use Special Events Center and Dallas Cowboys Headquarters	
Bid Package:	03 - MEP Underground	
Owner:	City of Frisco and Bluestar Development Co.	
Contractor:	Manhattan Construction Company	
Architect:	Gensler	
	Latest Date Revision:	7/18/2014
Sheet No.	Drawings	Issue Date
PLUMBING		
HQ.P0.UG01	UNDERGROUND - PLUMBING SYMBOLS, LEGEND AND ABBREVIATIONS	7/1/2014
HQ.P1.UG10	UNDERGROUND - PLUMBING PLAN - OVERALL	7/1/2014
HQ.P2.UG10	UNDERGROUND - PLUMBING PLAN - UNIT A	7/18/2014
HQ.P2.UG20	UNDERGROUND - PLUMBING PLAN - UNIT B	7/18/2014
HQ.P2.UG30	UNDERGROUND - PLUMBING PLAN - UNIT C	7/18/2014
HQ.P7.UG01	UNDERGROUND - PLUMBING DETAILS	7/18/2014
PG.P0.UG01	UNDERGROUND - PLUMBING SYMBOLS, LEGEND AND ABBREVIATIONS	7/1/2014
PG.P1.UG10	UNDERGROUND - PARKING GARAGE PLUMBING PLAN - OVERALL	7/1/2014
PG.P2.UG10	UNDERGROUND - PARKING GARAGE PLUMBING PLAN - UNIT A	7/1/2014
PG.P2.UG20	UNDERGROUND - PARKING GARAGE PLUMBING PLAN - UNIT B	7/1/2014
PG.P2.UG30	UNDERGROUND - PARKING GARAGE PLUMBING PLAN - UNIT C	7/1/2014
PG.P2.UG40	PARKING GARAGE PLUMBING PLAN - LEVEL 01 PLAZA	7/1/2014
PG.P6.UG01	UNDERGROUND - PARKING GARAGE PLUMBING DETAILS	7/1/2014
MU.P0.UG01	PLUMBING SYMBOLS, LEGEND AND ABBREVIATIONS	7/1/2014
MU.P1.UG10	UNDERGROUND - PLUMBING PLAN - OVERALL	7/1/2014
MU.P2.UG10	UNDERGROUND - PLUMBING PLAN - QUAD 1	7/1/2014
MU.P2.UG20	UNDERGROUND - PLUMBING PLAN - QUAD 2	7/18/2014
MU.P2.UG30	UNDERGROUND - PLUMBING PLAN - QUAD 3	7/18/2014
MU.P2.UG40	UNDERGROUND - PLUMBING PLAN - QUAD 4	7/1/2014
MU.P3.UG11	UNDERGROUND - ENLARGED PLUMBING PLAN - QUAD 1	7/18/2014
MU.P3.UG12	UNDERGROUND - ENLARGED PLUMBING PLAN - QUAD 1	7/18/2014
MU.P3.UG13	UNDERGROUND - ENLARGED PLUMBING PLAN - QUAD 1	7/18/2014
MU.P3.UG21	UNDERGROUND - ENLARGED PLUMBING PLAN - QUAD 2	7/18/2014
MU.P3.UG22	UNDERGROUND - ENLARGED PLUMBING PLAN - QUAD 2	7/18/2014
MU.P3.UG31	UNDERGROUND - ENLARGED PLUMBING PLAN - QUAD 3	7/18/2014
MU.P3.UG32	UNDERGROUND - ENLARGED PLUMBING PLAN - QUAD 3	7/18/2014
MU.P3.UG41	UNDERGROUND - ENLARGED PLUMBING PLAN - QUAD 4	7/1/2014
MU.P3.UG42	UNDERGROUND - ENLARGED PLUMBING PLAN - QUAD 4	7/18/2014
MU.P7.UG01	PLUMBING DETAILS	7/1/2014
ELECTRICAL		7/18/2014
HQ.E0.UG01	UNDERGROUND - ELECTRICAL SYMBOLS, LEGENDS AND ABBREVIATIONS	7/1/2014
HQ.E1.UG01	UNDERGROUND - ELECTRICAL PLAN - SITE - HQ	7/1/2014
HQ.E1.UG11	UNDERGROUND - ELECTRICAL KNUCKLE PLAN - SITE	7/1/2014

HQ.E2.UG01	UNDERGROUND - ELECTRICAL PLAN - UNIT A	7/18/2014
HQ.E2.UG02	UNDERGROUND - ELECTRICAL PLAN - UNIT B	7/18/2014
HQ.E2.UG03	UNDERGROUND - ELECTRICAL PLAN - UNIT C	7/18/2014
HQ.E6.UG01	UNDERGROUND - ELECTRICAL DETAILS	7/1/2014
HQ.E6.UG11	UNDERGROUND - ELECTRICAL KNUCKLE DETAILS	7/1/2014
HQ.E7.UG01	UNDERGROUND - ELECTRICAL ONE-LINE DIAGRAM	7/1/2014
HQ.E7.UG11	UNDERGROUND - ELECTRICAL KNUCKLE ONE-LINE DIAGRAM	7/1/2014
PG.E0.UG01	UNDERGROUND - ELECTRICAL SYMOBOLS, LEGENDS AND	7/1/2014
PG.E1.UG01	UNDERGROUND - PARKING GARAGE ELECTRICAL PLAN - SITE	7/1/2014
PG.E6.UG01	UNDERGROUND - PARKING GARAGE ELECTRICAL DETAILS	7/1/2014
PG.E7.UG01	UNDERGROUND - PARKING GARAGE ELECTRICAL ONE-LINE DIAGRAM AND FEEDER SCHDULE	7/1/2014
MU.E0.UG01	ELECTRICAL SYMBOLS, LEGENDS AND ABBREVIATIONS	7/1/2014
MU.E1.UG10	UNDERGROUND - ELECTRICAL PLAN - OVERALL	7/1/2014
MU.E6.UG01	ELECTRICAL DETAILS	7/1/2014
MU.E7.UG01	ELECTRICAL SERVICE ENTRANCE AND FEEDER SCHEDULE	7/18/2014
FIRE PROTECTION		
HQ.F0.UG01	UNDERGROUND - FIRE PROTECTION SYMBOLS, LEGEND AND	7/1/2014
HQ.F1.UG10	UNDERGROUND - FIRE PROTECTION PLAN - OVERALL	7/1/2014
HQ.F2.UG10	UNDERGROUND - FIRE PROTECTION PLAN - UNIT A	7/1/2014
PG.F0.UG01	UNDERGROUND - FIRE PROTECTION SYMBOLS, LEGEND AND ABBREVIATIONS	7/1/2014
PG.F1.UG10	UNDERGROUND - PARKING GARAGE FIRE PROTECTION PLAN - OVERALL	7/1/2014
PG.F2.UG10	UNDERGROUND - PARKING GARAGE FIRE PROTECTION PLAN - UNIT A	7/1/2014
PG.F2.UG20	UNDERGROUND - PARAKING GARAGE FIRE PROTECTION PLAN - UNIT B	7/1/2014
MU.F0.UG01	FIRE PROTECTION SYMBOLS, LEGEND AND ABBREVIATIONS	7/1/2014
MU.F1.UG10	UNDERGROUND - FIRE PROTECTION PLAN - OVERALL	7/1/2014
MU.F2.UG10	UNDERGROUND - FIRE PROTECTION PLAN - QUAD 1	7/1/2014
MU.F2.UG20	UNDERGROUND - FIRE PROTECTION PLAN - QUAD 2	7/1/2014
		1/0/1900
SPECIFICATIONS		7/18/2014
	HEADQUARTERS SPECIFICATIONS	
00 01 01	PROJECT TITLE PAGE	7/1/2014
00 01 70	SEAL PAGE	7/1/2014
00 01 10	TABLE OF CONTENTS	7/1/2014
00 60 00	PROCUREMENT REQUIRMENTS & CONTRACT REQUIREMENTS	7/1/2014
01 10 00	SUMMARY	7/1/2014
01 14 00	WORK RESTRICTIONS	7/1/2014
01 25 00	SUBSTITUTUION PROCEDURES	7/1/2014
01 26 00	CONTRACT MODIFICATION PROCEDURES	7/1/2014
01 26 13	REQUESTS FOR INTERPRETATION	7/1/2014
01 29 00	PAYMENT PROCEDURES	7/1/2014
01 31 00	PROJECT MANAGEMENT	7/1/2014
01 32 00	CONSTRUCTION PROGRESS DOCUMENTATION	7/1/2014

01 33 00	SUBMITTAL PROCEDURES	7/1/2014
01 40 00	QUALITY REQUIRMENTS	7/1/2014
01 42 00	REFERENCES	7/1/2014
01 50 00	TEMPORARY FACILITIES	7/1/2014
01 60 00	PRODUCT REQUIREMENTS	7/1/2014
01 73 00	EXECUTION	7/1/2014
01 74 19	CONSTRUCTION WASTE MANAGEMENT	7/1/2014
01 77 00	CLOSEOUT PROCEDURES	7/1/2014
01 78 23	OPERATION AND MAINTENANCE DATA	7/1/2014
01 78 39	PROJECT RECORD DOCUMENTS	7/1/2014
01 79 00	DEMONSTRATION AND TRAINING	7/1/2014
21 00 00	FIRE SUPPRESSION SPECIFICATION INDEX	7/1/2014
21 10 00	WATER-BASED FIRE SUPPRESSION SYSTEMS	7/1/2014
22 00 00	PLUMBING SPECIFICATIONS INDEX	7/1/2014
22 00 10	GENERAL PLUMBING REQUIRMENTS	7/1/2014
22 05 00	COMMON WORK RESULTS FOR PLUMBING	7/1/2014
22 05 15	BASIC PIPING MATERIALS AND METHODS	7/1/2014
22 11 00	WATER DISTRIBUTION PIPING AND SPECIALTIES	7/1/2014
22 13 00	SANITARY DRAINAGE AND VENT PIPING AND SPECIALTIES	7/1/2014
22 14 00	STORM DRAINAGE PIPING AND SPECIALTIES	7/1/2014
26 00 00	ELECTRICAL SPECIFICATION INDEX	7/1/2014
26 00 10	GENERAL ELECTRICAL REQUIREMENTS	7/1/2014
26 05 00	COMMON WORK RESULTS FOR ELECTRICAL	7/1/2014
26 05 43	UNDERGROUND DUCTS AND RACEWAYS FOR ELECTRICAL SYSTEMS	7/1/2014
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01 26 00	CONTRACT MODIFICATION PROCEDURES	7/1/2014
01 26 13	REQUESTS FOR INTERPRETATION	7/1/2014
01 29 00	PAYMENT PROCEDURES	7/1/2014
01 31 00	PROJECT MANAGEMENT	7/1/2014
01 32 00	CONSTRUCTION PROGRESS DOCUMENTATION	7/1/2014
01 33 00	SUBMITTAL PROCEDURES	7/1/2014
01 40 00	QUALITY REQUIRMENTS	7/1/2014
01 42 00	REFERENCES	7/1/2014
01 50 00	TEMPORARY FACILITIES	7/1/2014
01 60 00	PRODUCT REQUIREMENTS	7/1/2014
01 73 00	EXECUTION	7/1/2014
01 74 19	CONSTRUCTION WASTE MANAGEMENT	7/1/2014
01 77 00	CLOSEOUT PROCEDURES	7/1/2014
01 78 23	OPERATION AND MAINTENANCE DATA	7/1/2014

01 78 39	PROJECT RECORD DOCUMENTS	7/1/2014
01 79 00	DEMONSTRATION AND TRAINING	7/1/2014
21 00 00	FIRE SUPPRESSION SPECIFICATION INDEX	7/1/2014
21 10 00	WATER-BASED FIRE SUPPRESSION SYSTEMS	7/1/2014
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22 05 15	BASIC PIPING MATERIALS AND METHODS	7/1/2014
22 11 00	WATER DISTRIBUTION PIPING AND SPECIALTIES	7/1/2014
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22 14 00	STORM DRAINAGE PIPING AND SPECIALTIES	7/1/2014
26 00 00	ELECTRICAL SPECIFICATION INDEX	7/1/2014
26 00 10	GENERAL ELECTRICAL REQUIREMENTS	7/1/2014
26 05 00	COMMON WORK RESULTS FOR ELECTRICAL	7/1/2014
26 05 43	UNDERGROUND DUCTS AND RACEWAYS FOR ELECTRICAL SYSTEMS	7/1/2014
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	PRELIMINARY GEOTECHNICAL INVESTIGATION FOR BLUESTAR LA	4/22/2014
	SUPPLEMENTAL GEOTECHNICAL RECOMMENDATIONS	5/15/2014