



TEJASPREMIER
BUILDING CONTRACTOR, INC.
Working together to build value

Submitted via email:
Brett.VanHazel@sanantonio.gov
mack.mckenzie@sanantonio.gov

Monday, March 18, 2019

Mr. Brett Van Hazel / Mr. Mack McKenzie
City of San Antonio – Aviation Department – SAIA and
Department of Transportation and Capital Improvements
114 West Commerce Street, 4th floor
San Antonio, TX 78283

Regarding: Short-term parking garage eastern-helix storm drain pump replacement (Tejas Bid # B18-093)
Revision 3

Owner: San Antonio International Airport / City of San Antonio
Project Location: Short-term parking garage Eastern-helix storm drain well
COSA JOC Contract Date: January 29, 2015
Owner's Representative: Brett VanHazel
Contractor: Tejas Premier Building Contractor, Inc. (Tejas Premier)
Estimator: Andrew Wallace
Tejas Master Job No: 15-102

Tejas Premier is pleased to submit our REVISED / UPDATED proposal for the removal / re-installation of the Short-term parking garage Eastern-helix storm drain pump system, including controls, support structure, and electrical panels and conductors. Included in this proposal is the construction of additional concrete retaining walls on either side of the well and across the front, and two "equipment lifting station work pads on either side of the well. Our proposal includes the following:

Assumptions and Clarifications:

1. All work will be done during the day excluding two concrete pours which will require the use of the lower level driveway or ground-level street. This will necessitate SAIA coordinating / directing parking garage passengers and vehicles around the work area. This is a work-around will last a few hours per event.
2. No security police is included in this proposal.
3. There are extensive fabrication / delivery time periods associated with this project. The pumps / valves / supports / and control systems will require 8-10 weeks for arrival. Work should not start until the systems are in San Antonio, although all of the concrete work can be done prior to the equipment arrival
4. This project has no liquidated damages.
5. This estimate is a lump sum price based upon the attached supporting E4Clicks cost breakdown.
6. The project will begin after the Purchase Order Number is issued and the bid is valid for 30 days.
7. No COSA permits or bonds are included in the E4Clicks breakdown, but both are listed on the second page of this proposal should your office wish to include them.
8. Tejas has concern about the public / open area for this project. We have included both a chain-link panel fence at the perimeter and an interior 4' plastic fence to adequately warn visitors to not enter the work area. All existing grates will be re-used and re-installed / secured at the end of each work shift. Replacement of the grates is not contemplated within this project.
9. This proposal utilizes the Sulzer pump and control system previously submitted by Tejas and approved by the engineer.
10. The interior well wall will not be painted as per clarification from the SAIA on 27 Feb 2019.
11. Water removed from the well at the beginning of the project, and if needed during the project, is considered surface storm water and shall not require testing / transport / or disposal.

12. Covering / blinding / closing of the inlet pipes will be done while workers are inside of the well to prevent risk of engulfment / entrapment. The well shall be treated as a Confined Space Entry with permit required.
13. Tejas has included limited sod, plantings, and mulch replacement caused by damage to the existing landscaping during this project in addition to the planting and irrigation system modifications as detailed on Sheet LSD-04.
14. Tejas has utilized a period of seven (7) weeks for this project upon mobilization.

Total Cost Breakdown (Including P & P bond)..... \$453,009.17
as detailed on the attached E4 Clicks document.

Projected COSA Plan review and Building Permit fees (by COSA).....\$3,368.00

Please contact me at 210-821-5858 x 304 or via email: andrew@tejaspremierbc.com with any questions or concerns regarding this proposal.

Tejas Premier appreciates this opportunity!

Respectfully,


Andrew Wallace
Estimator


Brett Van Hazel 3.18.19



TEJASPREMIER
BUILDING CONTRACTOR, INC.
Working together to build value.

Preliminary Estimate, by estimates

Andrew B Wallace

Tejas Premier

2019COSA-XXXX - 2019 City of San Antonio JOC Tejas - Basic Contract Year - 3/01/2019 to 2/29/2020

Lift Station - B18-093 SAA Lift Station 2019

Estimator: Andrew B Wallace

Lift Station

Division Summary (MF04)

01 - General Requirements	\$11,576.64	26 - Electrical	\$3,779.21
02 - Existing Conditions		27 - Communications	
03 - Concrete	\$1,735.10	28 - Electronic Safety and Security	
04 - Masonry		31 - Earthwork	\$489.25
05 - Metals	\$896.80	32 - Exterior Improvements	\$8,184.16
06 - Wood, Plastics, and Composites		33 - Utilities	\$1,886.20
07 - Thermal and Moisture Protection		34 - Transportation	
08 - Openings		35 - Waterway and Marine Transportation	
09 - Finishes	\$966.60	41 - Material Processing and Handling Equipment	
10 - Specialties		44 - Pollution Control Equipment	
11 - Equipment		46 - Water and Wastewater Equipment	
12 - Furnishings		48 - Electric Power Generation	
13 - Special Construction		Alternate	\$242,908.15
14 - Conveying Equipment		Trades	\$102,166.15
21 - Fire Suppression		Assemblies	
22 - Plumbing	\$3,016.80	FMR	
23 - Heating, Ventilating, and Air-Conditioning (HVAC)	\$22,977.48	MF04 Total (without totalling components)	\$400,582.54
25 - Integrated Automation			

Totalling Components

Priced Line Items	\$157,674.39	Nonpriced Line Items	\$242,908.15
RSMeans SAN ANTONIO, TX CCI 2019Q1, 86.20%	\$(21,759.07)	2019 City of San Antonio JOC Tejas Nonpriced (12.0000%)	\$29,148.98
2019 City of San Antonio JOC Tejas Normal (27.5000%)	\$37,376.71	2019 City of San Antonio JOC Tejas Bond (1.7200%)	\$7,660.01

Material, Labor, and Equipment Totals (No Totalling Components)

Material:	\$31,576.38
Labor:	\$123,404.32
Equipment:	\$244,699.84
Other:	\$902.00
Labourhours:	1,985.47
Green Line Items:	\$352.50

Priced/Non-Priced

Total Priced Items:	50	\$157,674.39	60.64%
Total Non-Priced Items:	3	\$242,908.15	
	53	\$400,582.54	

Grand Total \$453,009.17

Preliminary Estimate, by estimates

Estimator: Andrew B Wallace

Lift Station

Item	Description	UM	Quantity	Unit Cost	Total	Book
01 - General Requirements						
1	01-45-23-50-1500 Testing and inspecting services, concrete testing, cement, physical tests, ASTM C 150	Ea.	1.0000	\$320.00	\$320.00	RSM19eFAC B P
2	01-45-23-50-1950 Testing and inspecting services, concrete testing, compressive test, cylinder, Ea. ASTM C 39, picked up by lab, average	Ea.	3.0000	\$18.00	\$54.00	RSM19eFAC B P
3	01-45-23-50-2200 Testing and inspecting services, concrete testing, compressive strength, cores, excluding drilling, ASTM C 42	Ea.	3.0000	\$36.00	\$108.00	RSM19eFAC B P
4	01-54-33-10-2120-2 Rent per day for concrete equipment rental, without operators, pump, concrete, truck mounted, 4" line, 80' boom	Ea.	1.0000	\$939.00	\$939.00	RSM19eFAC E, B, CCI/781 Q1 DIV/M&I P
5	01-54-33-20-4880-3 Rent per week for earthwork equipment rental, without operators, skid steer loader, wheeled, 10 C.F., 30 H.P., gas	Ea.	1.0000	\$460.11	\$460.11	RSM19eFAC E, B, CCI/781 Q1 DIV/M&I P
6	01-54-33-20-4893-3 Rent per week for earthwork equipment rental, without operators, skid steer loader, attachment, backhoe	Ea.	2.0000	\$333.35	\$666.70	RSM19eFAC E, B, CCI/781 Q1 DIV/M&I P
7	01-54-33-40-0195-3 Rent per week for general equipment rental, without operators, air compressor, portable, 6.5 CFM, electric This shall actually be a Confined Space Air Blower, used 8 hours per day for four weeks 5 = 5.00	Ea.	5.0000	\$35.68	\$178.40	RSM19eFAC E, B, CCI/781 Q1 DIV/M&I P
8	01-54-33-40-2045-4 Rent per month for general equipment rental, without operators, forklift, pneumatic tire, all terrain, telescoping boom, diesel, 5000 lb., 10' reach, 19' lift	Ea.	1.0000	\$3,450.83	\$3,450.83	RSM19eFAC E, B, CCI/781 Q1 DIV/M&I P
9	01-54-33-40-3220-1 Hourly operating cost for general equipment rental, without operators, hose, water, suction with coupling, 20' long, 4" diameter two days at beginning and 2 events during project for 80 lf (2*8+2*8)*4 = 128.00	Ea.	128.0000	\$0.03	\$3.84	RSM19eFAC E, B, CCI/781 Q1 DIV/M&I P
10	01-54-33-40-3220-2 Rent per day for general equipment rental, without operators, hose, water, suction with coupling, 20' long, 4" diameter Direct use, and for standby 2*8+2*8 = 32.00	Ea.	32.0000	\$4.51	\$144.32	RSM19eFAC E, B, CCI/781 Q1 DIV/M&I P
11	01-54-33-40-3500-2 Rent per day for general equipment rental, without operators, light towers, towable, with diesel generator, 2000 watt Two nights use for two separate concrete pours	Ea.	2.0000	\$92.02	\$184.04	RSM19eFAC E, B, CCI/781 Q1 DIV/M&I P
12	01-54-33-40-5600-1 Hourly operating cost for general equipment rental, without operators, pump, Ea. trash pump, self-priming, diesel, 4" diameter	Ea.	32.0000	\$6.29	\$201.28	RSM19eFAC E, B, CCI/781 Q1 DIV/M&I P

Preliminary Estimate, by estimates

Estimator: Andrew B Wallace

Lift Station

01 - General Requirements

Item	Description	UM	Quantity	Unit Cost	Total	Book
	2 days at beginning, plus 2 instances of one day each 2*8+2*8 = 32.00					
13	01-54-33-40-5600-2 Rent per day for general equipment rental, without operators, pump, trash pump, self-priming, diesel, 4" diameter Standby pump, 2 days at start plus two more days 2+2 = 4.00	Ea.	4.0000	\$88.74	\$354.96	RSM19eFAC E B CCI 781 Q1 DIV/M&I P
14	01-54-33-40-6410-3 Rent per week for general equipment rental, without operators, toilet, portable chemical 1.5 months (6 weeks) 6 = 6.00	Ea.	6.0000	\$62.91	\$377.46	RSM19eFAC E B CCI 781 Q1 DIV/M&I P
15	01-54-33-40-7700-2 Rent per day for general equipment rental, without operators, welder, electric, 200 amp	Ea.	2.0000	\$15.02	\$30.04	RSM19eFAC E B CCI 781 Q1 DIV/M&I P
16	01-54-33-50-7100-1 Hourly operating cost for highway equipment rental, without operators, ventilating blower for tunnel, 7-1/2 H.P. This blower will be used for the Confined Space Entry, for a period of one month, 8 hours a day 22*8 = 176.00	Ea.	176.0000	\$2.16	\$380.16	RSM19eFAC E B DIV/M&I P
17	01-54-33-50-7100-2 Rent per day for highway equipment rental, without operators, ventilating blower for tunnel, 7-1/2 H.P. Confined Space Entry blower 22 = 22.00	Ea.	22.0000	\$51.50	\$1,133.00	RSM19eFAC E B DIV/M&I P
18	01-56-26-50-0100 Temporary fencing, chain link, 11 gauge, 6' high This shall be the outer fence and shall be the primary delourance element	L.F.	310.0000	\$6.87	\$2,129.70	RSM19eFAC M L E B CCI 781 Q1 DIV/M&I P
19	01-56-26-50-0610 Temporary fencing, plastic safety fence, medium duty, 4' high, posts at 10' This shall be the "inner fence" immediately surrounding the pit work area 30*4 = 120.00	L.F.	120.0000	\$3.84	\$460.80	RSM19eFAC M L E B CCI 781 Q1 DIV/M&I P

01 - General Requirements Total

\$11,576.64

03 - Concrete

20	03-30-53-40-6200 Concrete in place, including forms, 4 uses, Grade 60 rebar, portland cement C.Y. Type I, placement and finishing unless otherwise indicated, retaining walls. 3000 psi, gravity, 4' high 6ft high by 8" thick by 12' long, two walls divided by 27cf/CY, PLUS landing pads on either side of well is two each at 3' x 5' x 5' / 27. (6*.67*12*2)/27+3*5*.5/27 = 3.85		3.8511	\$271.48	\$1,045.50	RSM19eFAC M L E B CCI 781 Q1 DIV/M&I P
21	03-31-13-35-0414-1520 Heavyweight concrete, ready mix, for short load (less than 4 C.Y.), add per load (Modified using 03-31-13-35-1520) Adder for minimum quantity concrete per load (4CY)	Ea.	8.0000	\$86.20	\$689.60	RSM19eFAC M B CCI 781 Q1 DIV/M&I P

Preliminary Estimate, by estimates

Estimator: Andrew B Wallace

Lift Station

Item	Description	UM	Quantity	Unit Cost	Total	Book
03 - Concrete						
03 - Concrete Total						
\$1,735.10						
05 - Metals						
22	05-01-10-51-6245 Cleaning of structural metal framing, commercial blast (SSPC-SP6), existing S.F. coat blistered or pitted, 4.0 lb sand per S.F. Cleaning of pipe prior to epoxy paint application		30.0000	\$2.08	\$62.40	RSM196FAC M, L, E, B CCI 781 Q1 DIV/M&I P
23	05-05-21-90-0020 Welding steel, structural, field welding, 1/8" EG011, cost per welder, excluding operating engineer 16 = 16.00	Hr.	16.0000	\$52.15	\$834.40	RSM196FAC M, L, E, B CCI 781 Q1 DIV/M&I P
05 - Metals Total						
\$896.80						
09 - Finishes						
24	09-97-10-10-6300 Coatings & paints, in five gallon lots, coatings, heavy duty, two component solvent based, acrylic epoxy Pipe epoxy coating	Gal.	10.0000	\$96.66	\$966.60	RSM196FAC M, B CCI 781 Q1 DIV/M&I P
09 - Finishes Total						
\$966.60						
22 - Plumbing						
25	22-14-29-13-2100-5100 Labor adjustment factors, add to labor, miscellaneous, cramped shaft (Modified using 22-01-02-20-5100) Adder for work within the well	Ea.	5.0000	\$422.35	\$2,111.75	RSM196FAC L, B CCI 781 Q1 DIV/M&I P
26	22-14-29-13-2100-5140 Labor adjustment factors, add to labor, miscellaneous, congested area (Modified using 22-01-02-20-5140) Adder for work within the well	Ea.	5.0000	\$181.01	\$905.05	RSM196FAC L, B CCI 781 Q1 DIV/M&I P
22 - Plumbing Total						
\$3,016.80						
23 - Heating, Ventilating, and Air-Conditioning (HVAC)						
27	23-05-23-70-7060 Valves, semi-steel, lubricated plug valve, flanged, 200 PSI, 10" 3 pumps with one 10" plug valve each and one 10" general-duty check valves cast iron body, bronze fittings. 3*2=6 3*2 = 6.00	Ea.	6.0000	\$3,829.58	\$22,977.48	RSM196FAC M, L, B CCI 781 Q1 DIV/M&I P
23 - Heating, Ventilating, and Air-Conditioning (HVAC) Total						
\$22,977.48						
26 - Electrical						

Preliminary Estimate, by estimates

Estimator: Andrew B Wallace

Lift Station

Item	Description	UM	Quantity	Unit Cost	Total	Book
26 - Electrical						
28	26-05-05-10-0100 Electrical demolition, conduit to 10' high, including fittings and hangers, rigid L.F. galvanized steel, 1/2" to 1" diameter 20 = 20.00	L.F.	20.0000	\$1.22	\$24.40	RSM19eFAC L B CCI 781 Q1 DIV/M&I
29	26-05-05-10-0640 Electrical demolition, copper bus duct, indoor, 3 phase, including hangers and supports, 400 amp 3*100 = 300.00	L.F.	300.0000	\$5.54	\$1,662.00	RSM19eFAC L B CCI 781 Q1 DIV/M&I
30	26-05-05-10-0820 Electrical demolition, plug-in switches, 600 volt 3 phase, including disconnecting, wire and conduit terminations, 30 amp 3 = 3.00	Ea.	3.0000	\$18.97	\$56.91	RSM19eFAC L B CCI 781 Q1 DIV/M&I
31	26-05-19-90-1200 Wire, 600 volt, copper type THWN-THHN, stranded, #12 3*450/100 = 13.50	C.L.F.	13.5000	\$53.00	\$715.50	RSM19eFAC M L B
32	26-05-19-90-1350 Wire, 600 volt, copper type THWN-THHN, stranded, #6 3*150/100 = 4.50	C.L.F.	4.5000	\$120.00	\$540.00	RSM19eFAC M L B
33	26-27-16-20-0100 Cabinets and enclosures, nonmetallic, enclosures fiberglass NEMA 4X, wall mount, quick release latch door, 20" high x 16" wide x 6" deep	Ea.	1.0000	\$780.40	\$780.40	RSM19eFAC M L B CCI 781 Q1 DIV/M&I
26 - Electrical Total					\$3,779.21	
31 - Earthwork						
34	31-23-16-16-0015 Structural excavation for minor structures, hand, pits to 6' deep, sandy soil (12*2*2)/27 = 3.56	B.C.Y.	3.5556	\$38.46	\$136.75	RSM19eFAC L B CCI 781 Q1 DIV/M&I
35	31-25-14-16-1000 Rolled erosion control mats and blankets, silt fence, install and maintain, remove 250 lf of silt fence 250 = 250.00	L.F.	250.0000	\$1.41	\$352.50	RSM19eFAC Gm M L E B CCI 781 Q1 DIV/M&I
31 - Earthwork Total					\$489.25	
32 - Exterior Improvements						
36	32-32-36-10-4340 Stone gabion retaining walls, excluding excavation, stone, delivered, 3' wide, Ea. galvanized, 6' long, 1' high 40 feet for 1' high gabion around excavation area (40/6=6.7) 40/6 = 6.67	Ea.	6.6667	\$107.39	\$715.94	RSM19eFAC M L E B CCI 781 Q1 DIV/M&I
37	32-84-23-10-0900 Sprinkler irrigation system, for lawns, residential system, custom, 1-1/2" supply	S.F.	2,000.0000	\$1.08	\$2,160.00	RSM19eFAC M L B

Preliminary Estimate, by estimates

Estimator: Andrew B Wallace

Lift Station

32 - Exterior Improvements

Item	Description	UM	Quantity	Unit Cost	Total	Book
38	32-91-13-16-0100 Mulching, aged barks, 3" deep, hand spread Replacement mulch in plant beds	S.Y.	40.0000	\$6.83	\$273.20	RSM19eFAC M, L, E, B, CCI 781 Q1 DIV1M&I
39	32-91-13-23-6200 Structural soil mixing, tilling topsoil, 26" rototiller, 4" deep 2018 sf of new sod 2018/9 = 224.22	S.Y.	224.2222	\$0.38	\$85.20	RSM19eFAC L, E, B
40	32-91-13-26-0100 Planting beds, backfill planting pit, by hand, on site topsoil This is top soil for the sod 2018*5/12/27 = 31.14	C.Y.	31.1420	\$35.50	\$1,105.54	RSM19eFAC L, B
41	32-92-23-10-1200 Sodding systems, sodding, bent grass sod, on level ground, sodding 1,000 S.F. or less Expected sod replacement, three pallets	M.S.F.	2.0000	\$449.44	\$898.88	RSM19eFAC M, L, E, B, CCI 781 Q1 DIV1M&I
42	32-93-33-10-0550 Shrubs and trees, evergreen, in prepared beds, balled and burlapped, holly, savannah, 8' to 10' high	Ea.	4.0000	\$400.00	\$1,600.00	RSM19eFAC M, L, B
43	32-93-33-10-0550-0015 Travel, to all nursery items, 10 to 20 miles, add (Modified using 32-93-10-12 All -0015) 6 COT+8GMG+7POH, all as noted on Sheet LSD-04 6+8+7 = 21.00	All	21.0000	\$20.00	\$420.00	RSM19eFAC B
44	32-93-33-20-0100 Shrubs, broadleaf evergreen, planted in prepared beds, andromeda, 15" to 18", container Expected plantings to replace (damaged during work) 20 = 20.00	Ea.	20.0000	\$46.27	\$925.40	RSM19eFAC M, L, E, B, CCI 781 Q1 DIV1M&I
32 - Exterior Improvements Total					\$8,184.16	

33 - Utilities

45	33-14-13-15-2080 Water supply, ductile iron pipe, cement lined, excluding excavation or backfill, pipe, Class 50 water piping, 18" lengths, mechanical joint, 10" diameter 3 pumps each with 2.5 feet which equals 7.5', but the minimum is a 20' stick. 3*2.5+12.5 = 20.00	L.F.	20.0000	\$94.31	\$1,886.20	RSM19eFAC M, L, E, B, CCI 781 Q1 DIV1M&I
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33 - Utilities Total

\$1,886.20

Alternate

46	01-45-23-50-5550 CSE Supv Testing and inspecting services, technician for inspection, per day, CSE Supv & Monitor This line has been changed to reflect the requirement to provide a Confined Space Entry Supervisor / monitor during the entry into the lift station for a period of 20 days. Entry will be done by plumbers, and potentially the electricians.	Ea.	22.0000	\$355.00	\$7,810.00	CUSTOM L, E, B
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Preliminary Estimate, by estimates

Estimator: Andrew B Wallace

Lift Station

Alternate

Item	Description	UM	Quantity	Unit Cost	Total	Book
	\$35/day has been added for the quad-gas detector plus calibration 22 = 22.00					
47	221429132110-Control panel system for three ea 3,636 gpm pumps NEMA 3R Stacon 47 HP triplex control panel to match pump system	Ea.	1.0000	\$34,350.00	\$34,350.00	CUSTOM E, B
48	221429132110-Pump CUSTOI 3636 gpm pump with 46.9HP feeding 10" orifice with guide rails, switches, control Sulzer ABS Model XFP255J-CB2/PE350/6 Non-clog submersible sewage pump with 10" suction x 10" discharge, base 90 degree elbow, 47HP, 1200rpm, explosion proof, 100,000 hour bearings, a 1.3 service factor and a closed loop cooling system rated at 3,636 GPM @ 36' TDH and 74% eff. Includes guide rail assemblies, base elbow, SS rail bracket & SS hardware. A total of three pumps are needed.	Ea	3.0000	\$66,916.05	\$200,748.15	CUSTOM S, E, B
Alternate Total					\$242,908.15	
Trades						
49	ELEC	Electricians - 2019 RSMeans Facilities Base Rate	Hour	320.0000	\$60.05	\$19,216.00 Trades L, B
		Electricians for electrical demo and new installation / connections, wire pull back, new conductors and power supply to pumps and panel.				
		4*8*10 = 320.00				
50	EQMD	Equipment Operators, Medium Equipment - 2019 RSMeans Facilities Base Rate	Hour	160.0000	\$55.10	\$8,816.00 Trades L, B
		4*5*8 = 160.00				
51	PLUM	Plumbers - 2019 RSMeans Facilities Base Rate	Hour	986.8780	\$63.15	\$62,321.35 Trades L, B
		submersible pump / discharge pipes & fittings / controls assembly, installation and testing, and provide confined space procedures, 5 men @ 5 days per week for 5 weeks				
		5*8*5*5-13,122 = 986.88				
52	PLUM	Plumbers - 2019 RSMeans Facilities Base Rate	Hour	72.0000	\$63.15	\$4,546.80 Trades L, B
		pump out pit water, 3 men one day, three events				
		3*8*3 = 72.00				
53	PORD	Painters, Ordinary - 2019 RSMeans Facilities Base Rate	Hour	168.0000	\$43.25	\$7,266.00 Trades L, B
		three men for five days, plus two day metal prep				
		3*(5+2)*8 = 168.00				
Trades Total					\$102,166.15	

Estimate Grand Total

453,009.17

