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November 20, 2015

Mr. Dan Franz, P.E., CFM
City of Pflugerville
P.O. Box 589
Pflugerville, Texas 78691-0589

Re: City of Pflugerville and Manville WSC Interconnect at City of Pflugerville's
Water Treatment Plant
Recommendation to Award Contract

Dear Mr. Franz:

On November 19, 2015, DCS Engineering (DCS) assisted The City of Pflugerville in opening bids for the above referenced project. Five (5) bid proposals were received with total base bid prices ranging from \$478,917.25 to \$614,935.00. A tabulation of the bids received is attached. The low bidder for the total base bid is JKB Construction Company, LLC from Liberty Hill, Texas in the amount of \$478,917.25.

DCS has reviewed the bid proposal submitted by JKB Construction Company, LLC and found them to be accurate and complete. References with Suretec Insurance Company indicate there are no problems with bonding or financial stability.

Based on the information presented, we recommend that the City accept the bid of JKB Construction Company, LLC for the Base Bid amount of \$478,917.25 for the construction of City of Pflugerville and Manville WSC Interconnect at City of Pflugerville's Water Treatment Plant.

If you have any questions, please feel free to call me at (512) 614-6171.

Sincerely,

DCS Engineering, LLC

A handwritten signature in blue ink, appearing to read "Justin A. Scarth".

Justin A. Scarth, P.E.
Project Manager

Enclosures

City of Pflugerville and Manville WSC Interconnect at City of Pflugerville's Water Treatment Plant
Bids Opened: 11/19/2015 at 2:00 pm

BID TABULATION	JKB Construction Company, LLC	Central Road & Utility, Ltd	Santa Clara Construction, Ltd	Smith Contracting Co., Inc.	Nelson Lewis, Inc.
Bid Proposal Form (Bid Schedule, Statement of Material) (Y/N)	Y	Y	Y	Y	Y
Bid Security (Y/N)	Y	Y	Y	Y	Y
Addenda Acknowledged (Y/N)	Y	Y	Y	Y	Y

BASE BID SCHEDULE

Bid Item	Description	Quantity	Unit	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
1	Mobilization (maximum 5% of total Bid)	1	LS	\$ 22,400.00	\$ 22,400.00	\$ 21,000.00	\$ 21,000.00	\$ 28,100.00	\$ 28,100.00	\$ 27,000.00	\$ 27,000.00	\$ 30,000.00	\$ 30,000.00
2	Furnish and Install 16-inch connection to existing 16-inch Manville WSC waterline including coordination with MWSC for pipe isolation, concrete block removal and connection to existing 16-inch tee, Complete in Place:	1	LS	\$ 1,750.00	\$ 1,750.00	\$ 5,800.00	\$ 5,800.00	\$ 5,000.00	\$ 5,000.00	\$ 2,500.00	\$ 2,500.00	\$ 3,000.00	\$ 3,000.00
3	Furnish and install 12-inch connection to existing Pflugerville 36-inch ductile iron waterline with tapping sleeve and valve, Complete in Place:	1	LS	\$ 21,200.00	\$ 21,200.00	\$ 25,000.00	\$ 25,000.00	\$ 9,000.00	\$ 9,000.00	\$ 24,000.00	\$ 24,000.00	\$ 22,000.00	\$ 22,000.00
4	Furnish and Install 16-Inch AWWA C-905 PVC Pipe (DR 18) and as specified; including excavation, ground and surface water dewatering, embedment, backfill, metallic underground warning tape, fittings, adaptors, couplings, joint restraints, thrust blocking, polyethylene wrap, 3/8" F bedding and backfill, surface restoration, disposal of excess material, incidental work not covered by other bid items, and appurtenances, Complete in Place:	165	LF	\$ 125.00	\$ 20,625.00	\$ 153.00	\$ 25,245.00	\$ 170.00	\$ 28,050.00	\$ 130.00	\$ 21,450.00	\$ 200.00	\$ 33,000.00
5	Furnish and Install 16-Inch Butterfly Valve with Box and extensions, Complete in Place:	3	EA	\$ 3,730.00	\$ 11,190.00	\$ 5,500.00	\$ 16,500.00	\$ 5,500.00	\$ 16,500.00	\$ 6,400.00	\$ 19,200.00	\$ 4,500.00	\$ 13,500.00
6	Furnish and install 30-inch steel casing pipe (1/2" wall thickness) by open excavation, not including 16" carrier pipe, including appurtenances, Complete in Place:	75	LF	\$ 295.00	\$ 22,125.00	\$ 315.00	\$ 23,625.00	\$ 175.00	\$ 13,125.00	\$ 179.00	\$ 13,425.00	\$ 275.00	\$ 20,625.00
7	Furnish and Install 12-Inch AWWA C-900 PVC Pipe (DR 18) and as specified; including excavation, ground and surface water dewatering, embedment, backfill, metallic underground warning tape, fittings, adaptors, couplings, joint restraints, thrust blocking, polyethylene wrap, 3/8" F bedding and backfill, surface restoration, disposal of excess material, incidental work not covered by other bid items, and appurtenances, Complete in Place:	1,185	LF	\$ 55.00	\$ 65,175.00	\$ 48.00	\$ 56,880.00	\$ 105.00	\$ 124,425.00	\$ 57.00	\$ 67,545.00	\$ 76.00	\$ 90,060.00
8	Furnish and Install 12-Inch Gate Valve with Box and extensions, Complete in Place:	1	EA	\$ 2,465.00	\$ 2,465.00	\$ 3,600.00	\$ 3,600.00	\$ 3,750.00	\$ 3,750.00	\$ 3,200.00	\$ 3,200.00	\$ 2,800.00	\$ 2,800.00
9	Furnish and Install 10-inch backflow preventer, including concrete slab, aluminum enclosure, excavation, ground and surface water dewatering, embedment, backfill, metallic underground warning tape, all piping, valves, fittings, reducers, adaptors, couplings, joint restraints, thrust blocking, polyethylene wrap, 3/8" F bedding and backfill, surface restoration, disposal of excess material, incidental work not covered by other bid items, and appurtenances from Station 3+19 to Station 3+42, Complete in Place:	1	LS	\$ 27,270.00	\$ 27,270.00	\$ 39,000.00	\$ 39,000.00	\$ 25,500.00	\$ 25,500.00	\$ 27,000.00	\$ 27,000.00	\$ 35,000.00	\$ 35,000.00



City of Pflugerville and Manville WSC Interconnect at City of Pflugerville's Water Treatment Plant
Bids Opened: 11/19/2015 at 2:00 pm

Bid Item	Description	Quantity	Unit	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
10	Furnish and Install 10-inch Flow Meter and Control Valve, including Concrete Vault, Hatches, Ladder, Electronic Controller and Solenoid Valves, Static Mixer, Chlorine Analyzer Supply Lines and Conduit, and all excavation, ground and surface water dewatering, embedment, backfill, metallic underground warning tape, all piping, valves, fittings, reducers, adaptors, couplings, joint restraints, thrust blocking, polyethylene wrap, 3/8" F bedding and backfill, surface restoration, disposal of excess material, incidental work not covered by other bid items, and appurtenances from Station 8+88 to Station 9+22, Complete in Place:	1	LS	\$ 63,305.00	\$ 63,305.00	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00	\$ 111,000.00	\$ 111,000.00
11	Asphalt Roadway Open Cut for Waterline Installation including removal and replacement of roadway via sawcut, disposal, 2" thick Type C asphalt pavement, flexible base fill, stripping, incidental work not covered by other bid items, and appurtenances with all associated Labor, Materials, Equipment, Complete in Place:	25	SY	\$ 265.00	\$ 6,625.00	\$ 500.00	\$ 12,500.00	\$ 95.00	\$ 2,375.00	\$ 190.00	\$ 4,750.00	\$ 200.00	\$ 5,000.00
12	3' Wide Asphalt Driveway or Roadway Open Cut for 2" or smaller Pipeline Installation including removal and replacement of roadway via sawcut, disposal, 2" thick Type C asphalt pavement, flexible base fill, stripping, incidental work not covered by other bid items, and appurtenances with all associated Labor, Materials, Equipment, Complete in Place:	28	SY	\$ 200.00	\$ 5,600.00	\$ 370.00	\$ 10,360.00	\$ 85.00	\$ 2,380.00	\$ 84.00	\$ 2,352.00	\$ 130.00	\$ 3,640.00
13	Furnish and Install 2-inch Combination Air Release/Vacuum Relief Valve with Manhole, Complete in Place:	2	EA	\$ 5,300.00	\$ 10,600.00	\$ 5,400.00	\$ 10,800.00	\$ 5,000.00	\$ 10,000.00	\$ 5,500.00	\$ 11,000.00	\$ 5,500.00	\$ 11,000.00
14	Furnish and Install Trench Safety System for water line construction, Complete in Place:	1,400	LF	\$ 1.00	\$ 1,400.00	\$ 1.10	\$ 1,540.00	\$ 1.00	\$ 1,400.00	\$ 1.00	\$ 1,400.00	\$ 2.00	\$ 2,800.00
15	Cleaning, Flushing, and Disinfection, and pressure testing all waterlines including installation and removal of temporary flushing valves and piping, Complete in Place:	1	LS	\$ 3,800.00	\$ 3,800.00	\$ 4,500.00	\$ 4,500.00	\$ 2,250.00	\$ 2,250.00	\$ 9,700.00	\$ 9,700.00	\$ 1,000.00	\$ 1,000.00
16	Remove and Replace 4-Foot Concrete Sidewalk including tie-in to existing sidewalks, Complete in Place:	4.5	SY	\$ 87.50	\$ 393.75	\$ 330.00	\$ 1,485.00	\$ 50.00	\$ 225.00	\$ 63.00	\$ 283.50	\$ 200.00	\$ 900.00
17	Install new 4-Foot Concrete Sidewalk, Complete in Place:	89	SY	\$ 50.00	\$ 4,450.00	\$ 80.00	\$ 7,120.00	\$ 50.00	\$ 4,450.00	\$ 50.00	\$ 4,450.00	\$ 70.00	\$ 6,230.00
18	Furnish and install wall mounted duplex metering pump system including chlorine solution supply and discharge piping inside building as shown on Drawings 01P-01 and 01P-02, Complete in Place:	1	LS	\$ 34,150.00	\$ 34,150.00	\$ 46,800.00	\$ 46,800.00	\$ 36,000.00	\$ 36,000.00	\$ 58,000.00	\$ 58,000.00	\$ 40,000.00	\$ 40,000.00
19	Furnish and install continuous 1/2" DR 11 HDPE chlorine solution line in 2" carrier pipe from WTP building to control vault as shown on the plans, Complete in Place:	330	LF	\$ 24.50	\$ 8,085.00	\$ 36.00	\$ 11,880.00	\$ 70.00	\$ 23,100.00	\$ 20.00	\$ 6,600.00	\$ 50.00	\$ 16,500.00
20	Furnish and install 4-inch drain, package lift station, and 1-1/4" DR 11 HDPE forcemain to existing wetwell as shown on 01C-06 and 01C-07, Complete in Place:	1	LS	\$ 14,000.00	\$ 14,000.00	\$ 9,500.00	\$ 9,500.00	\$ 16,000.00	\$ 16,000.00	\$ 11,000.00	\$ 11,000.00	\$ 35,000.00	\$ 35,000.00
21	Furnish, Install, and Maintain Traffic Control Devices in accordance with Texas Manual on Uniform Traffic Control Devices (Latest Edition), Complete in Place:	1	LS	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00	\$ 1,050.00	\$ 1,050.00	\$ 10,500.00	\$ 10,500.00	\$ 1,200.00	\$ 1,200.00
22	Repair and replace irrigation piping and spray nozzles damaged during construction, Complete in Place:	1	LS	\$ 3,900.00	\$ 3,900.00	\$ 2,000.00	\$ 2,000.00	\$ 500.00	\$ 500.00	\$ 9,900.00	\$ 9,900.00	\$ 1,800.00	\$ 1,800.00
23	Clearing and Grubbing of Areas as required to complete work within Street Right-of-Way and Utility Easements, Complete in Place:	0.5	AC	\$ 1,335.00	\$ 667.50	\$ 1,600.00	\$ 800.00	\$ 1,000.00	\$ 500.00	\$ 27,500.00	\$ 13,750.00	\$ 2,500.00	\$ 1,250.00
24	Off-site Disposal of Cleared and Grubbed Material, Complete in Place:	0.5	AC	\$ 3,335.00	\$ 1,667.50	\$ 1,600.00	\$ 800.00	\$ 500.00	\$ 250.00	\$ 2,400.00	\$ 1,200.00	\$ 1,500.00	\$ 750.00



City of Pflugerville and Manville WSC Interconnect at City of Pflugerville's Water Treatment Plant
Bids Opened: 11/19/2015 at 2:00 pm

Bid Item	Description	Quantity	Unit	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
25	Furnish and Install Hydro-seed, mulch, and Excelsior Blanket on disturbed areas per Plans and Specifications. Complete in Place:	1,570	SY	\$ 2.25	\$ 3,532.50	\$ 2.00	\$ 3,140.00	\$ 1.80	\$ 2,826.00	\$ 6.50	\$ 10,205.00	\$ 1.00	\$ 1,570.00
26	Furnish, Install, Maintain and Remove Stabilized Construction Access as shown on plans, Complete in Place:	1	EA	\$ 1,115.00	\$ 1,115.00	\$ 1,600.00	\$ 1,600.00	\$ 2,000.00	\$ 2,000.00	\$ 1,140.00	\$ 1,140.00	\$ 1,500.00	\$ 1,500.00
27	Furnish and Install Filter Fabric Fence per Plans and Specifications for project site. Install all filter fabric fence prior to any other construction, and remove once site is stabilized. Complete in Place:	1,420	LF	\$ 2.15	\$ 3,053.00	\$ 2.20	\$ 3,124.00	\$ 3.00	\$ 4,260.00	\$ 2.50	\$ 3,550.00	\$ 5.00	\$ 7,100.00
28	Furnish, Install Maintain and Remove Rock Berm per Plans and Specifications, Complete in Place:	15	LF	\$ 20.00	\$ 300.00	\$ 55.00	\$ 825.00	\$ 30.00	\$ 450.00	\$ 38.00	\$ 570.00	\$ 40.00	\$ 600.00
29	Furnish and Install 4' Safety Fence per Plans and Specifications. Install all safety fence prior to other construction, and remove once construction is complete. Complete in Place:	970	LF	\$ 1.90	\$ 1,843.00	\$ 1.40	\$ 1,358.00	\$ 2.00	\$ 1,940.00	\$ 1.50	\$ 1,455.00	\$ 3.00	\$ 2,910.00
30	Furnish, Install, Maintain, and Remove concrete washout, Complete in Place:	1	LS	\$ 1,670.00	\$ 1,670.00	\$ 1,300.00	\$ 1,300.00	\$ 750.00	\$ 750.00	\$ 1,000.00	\$ 1,000.00	\$ 500.00	\$ 500.00
31	Furnish and Install Project Sign including all Material and Labor, Complete in Place:	1	EA	\$ 560.00	\$ 560.00	\$ 850.00	\$ 850.00	\$ 1,000.00	\$ 1,000.00	\$ 600.00	\$ 600.00	\$ 1,500.00	\$ 1,500.00
32	Allowance for TMT Solutions to provide and install electrical and communication equipment as specified and indicated on the plans. Work to include extending power from the existing MCC/Control Room to the proposed control vault, installing wire/cable and conduit to control vault, provide and install stainless steel control and analyzer cabinets, total chlorine, free chlorine and nitrate analyzers, transformer, control panels, electrical extension in Sodium Hypochlorite Generation Room, connecting new peristaltic pumps to SCADA system, and programming necessary to monitor and control the proposed flow meter, control valve, analyzers, and peristaltic pumps. Complete in Place with appurtenances, Complete in Place:	1	LS	\$ 111,200.00	\$ 111,200.00	\$ 111,200.00	\$ 111,200.00	\$ 111,200.00	\$ 111,200.00	\$ 111,200.00	\$ 111,200.00	\$ 111,200.00	\$ 111,200.00
	TOTAL BASE BID (Items 1-32) shall equal Total Base Bid Schedule)				\$ 478,917.25		\$ 547,932.00		\$ 563,356.00		\$ 564,925.50		\$ 614,935.00

Engineer's Opinion of Most Probable Cost = \$ 653,000.00 (Base Bid)



Justin A. Scarth
11/20/15