

BID TABULATION - North WWTP Upgrade

December 14, 2009



				CSA		Pepper-Lawson		Western Summit			
ITEM NO.	ITEM DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
BASE BID											
1	Mobilization, Bonds, Insurance, Move-in and Demobilization	1	LS	\$2,000,000	\$2,000,000	\$1,200,000	\$1,200,000	\$900,000	\$900,000	\$1,366,666.67	\$1,366,666.67
2	Basis of Design, Construction of North Wastewater Treatment Plant Upgrade as described in the Contract Documents and as shown on the Drawings. Completed in Place EXCLUDING: • Aeration and Sludge Blower Systems as provided in Alternates A and B • Fine Bubble Aeration Systems as provided in Alternates C and I	1	LS	\$32,010,000.00	\$32,010,000	\$34,840,000.00	\$34,840,000	\$36,088,100.00	\$36,088,100	\$34,312,700.00	\$34,312,700.00
3	Remove and dispose of accumulated grit and sludge in Existing Process: • Aeration Basins 1 through 4 • Digesters 1 and 2 • Gravity Thickeners 1 and 2	4,000	CY	\$105.00	\$420,000	\$100.00	\$400,000	\$2.10	\$8,400	\$69.03	\$276,133.33
4	Remove and dispose of accumulated on-site spoil:	4,000	CY	\$6.00	\$24,000	\$10.00	\$40,000	\$29.00	\$116,000	\$15.00	\$60,000.00
5	Trench Safety Protection for excavations greater than 5 feet in depth	10,000	LF	\$1.00	\$10,000	\$3.00	\$30,000	\$1.00	\$10,000	\$1.67	\$16,666.67
6	Special Shoring in accordance with the Texas Health and Safety Code, Chapter 756	40,000	SF	\$0.25	\$10,000	\$0.50	\$20,000	\$0.15	\$6,000	\$0.30	\$12,000.00
7	Barricades, Sign and Traffic Control for preparation and implementation of Traffic Control Plan	1	LS	\$1,000.00	\$1,000	\$3,000.00	\$3,000	\$1,500.00	\$1,500	\$1,833.33	\$1,833.33
8	Bid Allowance for Belt Press Control Room ventilation and air conditioning system	1	LS	\$25,000.00	\$25,000	\$25,000.00	\$25,000	\$25,000.00	\$25,000	\$25,000.00	\$25,000.00
9	Bid Allowance for engineering to relocate all SAM VFDs and panels within MCC Building No. 2	1	LS	\$35,000.00	\$35,000	\$35,000.00	\$35,000	\$35,000.00	\$35,000	\$35,000.00	\$35,000.00
TOTAL BASE BID					\$34,535,000		\$36,593,000		\$37,190,000		\$36,106,000

ALTERNATE A – BLOWER SYSTEMS											
1	Neuros-APG Turbo Blower System for the Aeration Basins and Sludge Holding Tanks per Sections 11311 and 11312 including all equipment and materials in manufacturer's specified scope of supply, installation, labor, supervision, and any modifications required to architectural, structural, mechanical, electrical, or instrumentation systems necessary for a complete and fully operational system	1	LS		\$2,500,000		\$2,500,000		\$3,490,160		\$2,830,053.33
ALTERNATE A BID PRICE					\$2,500,000		\$2,500,000		\$3,490,160		\$2,830,053.33
	Power Cost Correction for Aeration Basin Blowers (from Exhibit A of Section 11311. Exhibit A for this alternate must be submitted with the non-price bid documents)				\$248,785		\$248,785		\$248,785		\$248,785.00
	Power Cost Correction for Sludge Blowers (from Exhibit A of Section 11312. Exhibit A for this alternate must be submitted with the non-price bid documents)				\$50,458		\$50,458		\$50,458		\$50,458.00
	Total Power Cost Correction (sum of Power Cost Corrections)				\$299,243		\$299,243		\$299,243		\$299,243.00
ALTERNATE A EVALUATION BID PRICE: (Bid Price plus Total Power Cost Correction)					\$2,799,243		\$2,799,243		\$3,789,403		\$3,129,296.33

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ALTERNATE B – BLOWER SYSTEMS								
1	ABS HST Blower System for the Aeration Basins and Sludge Holding Tanks per Sections 11311 and 11312 including all equipment and materials in manufacturer's specified scope of supply, installation, labor, supervision, and any modifications required to architectural, structural, mechanical, electrical, or instrumentation systems necessary for a complete and fully operational system.	1	LS	NO BID	NO BID	NO BID		
ALTERNATE B BID PRICE				NO BID	NO BID	NO BID		
	Power Cost Correction for Aeration Basin Blowers (from Exhibit A of Section 11311. Exhibit A for this alternate must be submitted with the non-price bid documents)			\$84,587	NO BID	NO BID		
	Power Cost Correction for Sludge Blowers (from Exhibit A of Section 11312. Exhibit A for this alternate must be submitted with the non-price bid documents)			\$128,947	NO BID	NO BID		
	Total Power Cost Correction (sum of Power Cost Corrections)			\$213,534	NO BID	NO BID		
ALTERNATE B EVALUATION BID PRICE: (Bid Price plus Total Power Cost Correction)				NO BID	NO BID	NO BID		
ALTERNATE C – FINE BUBBLE SYSTEM								
1	Sanitaire Fine Bubble Diffused Aeration System per Section 15120 including all equipment, materials, installation, labor, and supervision for a complete and properly operating system.	1	LS	\$800,000	\$743,492	\$864,969		\$802,820.33
TOTAL FOR ALTERNATE C				\$800,000	\$743,492	\$864,969		\$802,820.33
ALTERNATE D – FINE BUBBLE SYSTEM								
1	EDI Fine Bubble Diffused Aeration System per Section 15120 including all equipment, materials, installation, labor, and supervision for a complete and properly operating system.	1	LS	NO BID	NO BID	NO BID		
TOTAL FOR ALTERNATE D				NO BID	NO BID	NO BID		
DEDUCTIVE ALTERNATE E – UV DISINFECTION SYSTEM								
1	Substitute Trojan or Siemens UV Disinfection Equipment for Ozonia UV Disinfection Equipment included in the base bid per Section 11265 including installation, labor, supervision, and any modifications required to architectural, structural, mechanical, electrical, or instrumentation systems necessary for a complete and fully operational system.	1	LS	NO BID	NO BID	NO BID		
TOTAL FOR DEDUCTIVE ALTERNATE E				NO BID	NO BID	NO BID		
DEDUCTIVE ALTERNATE F – SAM SYSTEM								
1	Substitute Montel Submersible Aerator Mixer System for AquaTech Submersible Aerator Mixer System included in the base bid per specification Section 11315 including all installation, labor, supervision, architectural, structural, mechanical, electrical, and instrumentation systems and additional aerator mixer units necessary to achieve mixing and aeration performance for a complete and fully operational system	1	LS	NO BID	NO BID	NO BID		
TOTAL FOR DEDUCTIVE ALTERNATE F				NO BID	NO BID	NO BID		

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DEDUCTIVE ALTERNATE G – BELT PRESS								
1	Substitute Ashbrook or Envirodyne Sludge Dewatering Belt Filter Press for Andritz Equipment included in the base bid as per specification Section 11310 including any architectural, structural, mechanical, piping, valves, electrical, wire, conduit, instrumentation, spare parts, labor, and supervision, for a complete and fully operational system.	1	LS	NO BID	NO BID	NO BID		
TOTAL FOR DEDUCTIVE ALTERNATE G				NO BID	NO BID	NO BID		

DEDUCTIVE ALTERNATE H								
1	Construction of 24" Raw Sewage Line RS-14, RS-15, RS-16, RS-17, RS-18, RS-19, and RS-20 including fittings, valves, and wall penetrations shown on Sheets C-02, C-03, C-04, C-08, C-12, M-02, M-03, M-05, and M-66	1	LS	\$212,000	\$225,000	\$40,315		\$159,105.00
TOTAL FOR DEDUCTIVE ALTERNATE H				\$212,000	\$225,000	\$40,315		\$159,105.00

DEDUCTIVE ALTERNATE I								
1	Construction of Aeration Basin No. 4 and Clarifier No. 4 with all its piping, mechanical and electrical systems, structural, site work, and all other necessary items for a complete and properly operating system with construction up to the limits shown on Sheets G-09, C-02, and C-03	1	LS	\$2,350,000	\$5,500,000	\$4,919,000		\$4,256,333.33
2	Allowance for engineering services for deletion of Aeration Basin No. 4 and Clarifier No. 4.	1	LS	(\$50,000)	(\$50,000)	(\$50,000)		(\$50,000.00)
TOTAL FOR DEDUCTIVE ALTERNATE I				\$2,300,000	\$5,450,000*	\$4,869,000*		\$4,206,333.33

*Note: The totals for Deductive Alternate I should reflect a deduction between items 1 and 2. Pepper-Lawson and Western Summit added items 1 and 2, therefore showing an incorrect total amount. The totals have been corrected as shown on the TOTAL FOR DEDUCTIVE ALTERNATE I.

DEDUCTIVE ALTERNATE J								
1	Construction of 2" and 1" Non-Potable Water Line NPW-91 NPW-92 NPW-93 NPW-94, NPW-95 NPW-96, NPW-97, NPW-98, NPW-99, NPW-100, NPW-102, NPW-103, NPW-104, NPW-105, NPW-106, NPW-107, NPW-108, NPW-109, NPW-110, NPW-111, NPW-112, NPW-113, NPW-114, NPW-115, NPW-116, NPW-117, including fittings, and valves shown on Sheets C-04, C-05, C-07, C-08, and C-33	1	LS	\$10,000	\$30,000	\$10,164		\$16,721.33
TOTAL FOR DEDUCTIVE ALTERNATE J				\$10,000	\$30,000	\$10,164		\$16,721.33

DEDUCTIVE ALTERNATE K								
1	Sanitaire Fine Bubble Diffused Aeration System for Basin 4 only per Section 15120 including all equipment, materials, installation, labor, and supervision for a complete and properly operating system	1	LS	\$140,000	\$150,000	\$140,000		\$143,333.33
TOTAL FOR DEDUCTIVE ALTERNATE K				\$140,000	\$150,000	\$140,000		\$143,333.33

DEDUCTIVE ALTERNATE L								
1	EDI Fine Bubble Diffused Aeration System for Basin 4 only per Section 15120 including all equipment, materials, installation, labor, and supervision for a complete and properly operating system	1	LS	NO BID	NO BID	NO BID		
TOTAL FOR DEDUCTIVE ALTERNATE L				NO BID	NO BID	NO BID		


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BID PROPOSAL SUMMARY									
	BASE BID			\$34,535,000	\$36,593,000	\$37,190,000			\$36,106,000.00
	ALTERNATE A – BLOWER SYSTEMS			\$2,500,000	\$2,500,000	\$3,490,160			\$2,830,053.33
	ALTERNATE A EVALUATION BID PRICE			\$2,799,243	\$2,799,243	\$3,789,403			\$3,129,296.33
	ALTERNATE B – BLOWER SYSTEMS			NO BID	NO BID	NO BID			
	ALTERNATE B EVALUATION BID PRICE			NO BID	NO BID	NO BID			
	ALTERNATE C – FINE BUBBLE SYSTEM			\$800,000	\$743,492	\$864,969			\$802,820.33
	ALTERNATE D – FINE BUBBLE SYSTEM			NO BID	NO BID	NO BID			
	DEDUCTIVE ALTERNATE E – UV DISINFECTION SYSTEM			NO BID	NO BID	NO BID			
	DEDUCTIVE ALTERNATE F – SAM SYSTEM			NO BID	NO BID	NO BID			
	DEDUCTIVE ALTERNATE G – BELT PRESS			NO BID	NO BID	NO BID			
	DEDUCTIVE ALTERNATE H			\$212,000	\$225,000	\$40,315			\$159,105.00
	DEDUCTIVE ALTERNATE I			\$2,300,000	\$5,450,000	\$4,869,000			\$4,206,333.33
	DEDUCTIVE ALTERNATE J			\$10,000	\$30,000	\$10,164			\$16,721.33
	DEDUCTIVE ALTERNATE K			\$140,000	\$150,000	\$140,000			\$143,333.33
	DEDUCTIVE ALTERNATE L			NO BID	NO BID	NO BID			
	TOTAL BASE BID PLUS A & C			\$37,835,000	\$39,836,492	\$41,545,129			\$39,738,873.67

 CSA	Pepper-Lawson	Western Summit
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INCLUDING BASIN 4 AND CLARIFIER 4 (15 MGD TOTAL)

Bid Evaluation - Alternate Combinations	Enter "x" if selected	 CSA	Pepper-Lawson	Western Summit	AVERAGE
Base	x	\$34,535,000	\$36,593,000	\$37,190,000	\$36,106,000
Alternate A: Neuros	x	\$2,500,000	\$2,500,000	\$3,490,160	\$2,830,053
Alternate B: ABS					
Alternate C: Sanitaire	x	\$800,000	\$743,492	\$864,969	\$802,820
Alternate D: EDI					
Alternate E: Trojan/Siemens					
Deductive Alternate F: Montel					
Deductive Alternate G: Ashbrook/Envirodyne					
Deductive Alternate H: 24" RS Line	x	\$212,000	\$225,000	\$40,315	\$159,105
Deductive Alternate I: Basin/Clarifier 4	x	\$2,300,000	\$5,450,000	\$4,869,000	\$4,206,333
Deductive Alternate J: NPW Lines	x	\$10,000	\$30,000	\$10,164	\$16,721
Deductive Alternate K: Sanitaire Basin 4 Diffusers	x	\$140,000	\$150,000	\$140,000	\$143,333
Deductive Alternate L: EDI Basin 4 Diffusers					
TOTAL		\$37,473,000	\$39,431,492	\$41,354,650	\$39,419,714

WITHOUT BASIN 4 AND CLARIFIER 4 (11.25 MGD TOTAL)

Bid Evaluation - Alternate Combinations	Enter "x" if selected	CSA	Pepper-Lawson	Western Summit	AVERAGE
Base	x	\$34,535,000	\$36,593,000	\$37,190,000	\$36,106,000
Alternate A: Neuros	x	\$2,500,000	\$2,500,000	\$3,490,160	\$2,830,053
Alternate B: ABS					
Alternate C: Sanitaire	x	\$800,000	\$743,492	\$864,969	\$802,820
Alternate D: EDI					
Deductive Alternate E: Trojan/Siemens					
Deductive Alternate F: Montel					
Deductive Alternate G: Ashbrook/Envirodyne					
Deductive Alternate H: 24" RS Line	x	\$212,000	\$225,000	\$40,315	\$159,105
Deductive Alternate I: Basin/Clarifier 4	x	\$2,300,000	\$5,450,000	\$4,869,000	\$4,206,333
Deductive Alternate J: NPW Lines	x	\$10,000	\$30,000	\$10,164	\$16,721
Deductive Alternate K: Sanitaire Basin 4 Diffusers	x	\$140,000	\$150,000	\$140,000	\$143,333
Deductive Alternate L: EDI Basin 4 Diffusers					
TOTAL		\$35,173,000	\$33,981,492	\$36,485,650	\$35,213,381

Low Bid Including Basin/Clarifier No. 4	\$37,473,000
Low Bid Without Basin/Clarifier No. 4	\$33,981,492
Savings by Deletion of Basin/Clarifier No. 4	\$3,491,508