FREESE NICHOLS

Innovative approaches Practical results Outstanding service

OPINION OF PROBABLE CONSTRUCTION COSTS

**OF SUBNITAL Conceptual PM DRJ IFUI PROJECT NO. DRJ OC CHECKED BY DRJ FNI PROJECT NO. DRJ TEM DESCRIPTION OUNNTTY UNIT UNIT UNIT UNIT PRICE 1 DESCRIPTION OUNNTTY UNIT PRICE TOTAL 1 DESCRIPTION OUNNTTY UNIT UNIT UNIT PRICE TOTAL 1 DESCRIPTION OUNNTTY UNIT PRICE TOTAL 1 DESCRIPTION OUNNTTY UNIT UNIT PRICE TOTAL 1 DESCRIPTION COLSPAN SUBMEDIA Colspan="2">DESCRIPTION COLSPAN SUBMEDIA OUNT TOTAL Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2" Colspan="2" Colspan="2" Colspan="2" <td co<="" th=""><th colspan="2">PROJECT TITLE</th><th>LLWTP</th><th colspan="2">DATE</th><th colspan="3">8/20/2017</th></td>	<th colspan="2">PROJECT TITLE</th> <th>LLWTP</th> <th colspan="2">DATE</th> <th colspan="3">8/20/2017</th>	PROJECT TITLE		LLWTP	DATE		8/20/2017		
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ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
10	Distance and the increase from interview in still the second s		10	* 00.000.00	#00.000
12 13	Platform and stairway for blower building	1	LS LS	\$ 20,000.00 \$ 60,000.00	\$20,000
13	Polymer system replacement Finish chemical building walls	1	LS	\$ 60,000.00 \$ 5,000.00	\$60,000 \$5,000
14	Cable and Conduit	1	EA	\$ 30,000.00	\$30,000
	SCADA	1	LS	\$ 75,000.00	\$75,000
10	Start-up and Testing	1	LS	\$ 3,450.00	\$3,450
17			20	φ 0,+00.00	φ0,+00
	Lake Lewisville Raw Water Pump Station Improvements				
1	Demo existing permanganate facilities	1	LS	\$ 5,000.00	\$5,000
	Replace roof gutters	1	LS	\$ 5,000.00	\$5,000
3	Ventilation improvements	1	LS	\$ 20,000.00	\$20,000
4	Window replacements	1	LS	\$ 10,000.00	\$10,000
5	Rehab overhead crane	1	LS	\$ 15,000.00	\$15,000
6	Fill voids under cantilevered floors	1	LS	\$ 5,000.00	\$5,000
7	Rehab wetwell	1	LS	\$ 30,000.00	\$30,000
8	Intake improvements (those not captured in ZM study)	1	LS	\$ 150,000.00	\$150,000
9	Pump 4 discharge valve upgrade (vault & valve suppl by Owner)	1	LS	\$ 25,000.00	\$25,000
10	Replace check valves	1	LS	\$ 50,000.00	\$50,000
11	Electric Gate Operator and apron	1	LS	\$ 35,000.00	\$35,000
12	RWPS Lighting	1	LS	\$ 8,000.00	\$8,000
	Pedestrian & Roll-up Door	1	LS	\$ 12,000.00	\$12,000
	Replace surge valve	1	LS	\$ 8,000.00	\$8,000
	Bypass valve freeze protection/enclosure	1	LS	\$ 12,000.00	\$12,000
	Lightning protection Transformer Pad	1	LS	\$ 10,000.00	\$10,000
17 18	Electrical Duct Bank	1	EA EA	\$ 33,600.00 \$ 175,000.00	\$33,600 \$175,000
-	Electrical Duct Bank Electrical Manholes	1	EA	\$ 175,000.00 \$ 22,400.00	\$175,000
	480V Transformer	1	EA	\$ 28,000.00	\$28,000
	480V Distribution Panel	1	EA	\$ 21,000.00	\$20,000
	Mini Power Unit	1	EA	\$ 14,000.00	\$14,000
23	Cable and Conduit	1	EA	\$ 169,400.00	\$169,400
	Misc. Electrical (Grounding, Lights, Receptacles, etc.)	1	LS	\$ 63,000.00	\$63,000
25	Instrumentation	1	LS	\$ 11,200.00	\$11,200
26	SCADA	1	LS	\$ 126,000.00	\$126,000
27	Power System Studies	1	LS	\$ 9,200.00	\$9,200
28	Start-up and Testing	1	LS	\$ 6,900.00	\$6,900
	Lake Lewisville and Ray Roberts RWPS Zebra Mussel Improvements				
1	Chemical Feed Improvements	1	LS	\$ 1,454,400.00	\$1,454,400
2	Potable water supply for LL RWPS (included in chem feed costs)	1	LS	\$ -	\$0
3	Chemical Building - Lake Ray Roberts	1	LS	\$ 1,343,200.00	\$1,343,200
4	Potable water supply for LRR RWPS (included in chem feed costs)	1	LS	\$ -	\$0
	LRR RW piping Maintenance improvements	1	LS	\$ 30,000.00	\$30,000
	Transformer Pad	1	EA	\$ 11,200.00 \$ 21,000.00	\$11,200
7 8	Electrical Duct Bank 120/208V Panelboard	1	EA	\$ 21,000.00 \$ 7,000.00	\$21,000 \$7,000
8 9	Cable and Conduit	1	EA EA	\$ 7,000.00 \$ 16,800.00	\$7,000 \$16,800
	Misc. Electrical (Grounding, Lights, Receptacles, etc.)	1	LS	\$ 16,800.00	\$16,800
10	Instrumentation	1	LS	\$ 11,200.00	\$28,000
	SCADA	1	LS	\$ 105,000.00	\$105,000
13	Power System Studies	1	LS	\$ 8,050.00	\$8,050
14	Start-up and Testing	1	LS	\$ 5,750.00	\$5,750
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	-	-			
		JBTOTAL:			\$9,618,600
		1&P		15%	
		JBTOTAL:			\$11,061,390
		OBILIZATION		5%	
		JBTOTAL:			\$11,542,320
	CO	DNTINGENCY		20%	\$2,308,470

PROJECT TOTAL

NOTES:

\$13,850,800