

**INVITATION FOR BID SUMMARY REPORT
AND AWARD RECOMMENDATION**

Date: June 3, 2016

Bid Number and Title: IFB 16-19 Provision & Installation of Water Mains & Appurtenances
As Needed

Bid Opening Date and Time: April 27, 2016, 11:00 AM

Bids Opened by: Gina Gilpin, Purchasing Agent

Witnessed by: David Donahue, Christine Horner

Total Bids Received: Five (5)

Bids were received from five (5) vendors for the subject IFB. The results of the bids are detailed on the Bid Tabulation, attached.

E.E. Lyons Construction was the low bidder with a total bid amount of **\$1,196,538.50**. E.E. Lyons has been determined to be a responsive and responsible bidder.

Award is recommended to be made to:

E.E. Lyons Construction Co, Inc.
9325 Leesburg Pike
Vienna, VA 22182

Bid Tabulation
IFB 16-19 PROVISION AND INSTALLATION OF WATER MAINS AND APPURTENANCES
Opened 4/27/16 11:00 AM by Gina Gilpin Witness: David Donahue and Christine Horner

				E.E. Lyons Construction Co 9325 Leesburg Pike Vienna, VA 22182 Joe Roubin 703-491-9100		Sagres Construction Corp 8350 Terminal Road, Ste A Lorton, VA 22079 Dejan Dragacevac 703-924-5145		Utilities Unlimited, LLC 12150 TAC Ct Manassas, VA 20109 Dayrell Schneider 703-393-2707	
ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	12-INCH WATER MAIN, DIP CL-52 VDOT 21A STONE - EXISTING PAVED AREAS	100	LF	\$140.50	\$14,050.00	\$155.00	\$15,500.00	\$217.00	\$21,700.00
2	8-INCH WATER MAIN, DIP CL-52 VDOT 21A STONE - EXISTING PAVED AREAS	1500	LF	\$90.90	\$136,350.00	\$145.00	\$217,500.00	\$154.00	\$231,000.00
3	6-INCH WATER MAIN, DIP CL-52 VDOT 21A STONE - EXISTING PAVED AREAS	500	LF	\$91.45	\$45,725.00	\$140.00	\$70,000.00	\$145.50	\$72,750.00
4	4-INCH WATER MAIN, DIP CL-52 VDOT 21A STONE - EXISTING PAVED AREAS	100	LF	\$113.50	\$11,350.00	\$140.00	\$14,000.00	\$148.75	\$14,875.00
5	12-INCH WATER MAIN, DIP CL-52 SUITABLE FILL - NON-PAVED AREAS	100	LF	\$98.10	\$9,810.00	\$145.00	\$14,500.00	\$142.00	\$14,200.00
6	8-INCH WATER MAIN, DIP CL-52 SUITABLE FILL - NON-PAVED AREAS	100	LF	\$76.35	\$7,635.00	\$135.00	\$13,500.00	\$103.00	\$10,300.00
7	6-INCH WATER MAIN, DIP CL-52 SUITABLE FILL - NON-PAVED AREAS	100	LF	\$66.70	\$6,670.00	\$130.00	\$13,000.00	\$94.50	\$9,450.00
8	4-INCH WATER MAIN, DIP CL-52 SUITABLE FILL - NON-PAVED AREAS	100	LF	\$70.35	\$7,035.00	\$130.00	\$13,000.00	\$97.00	\$9,700.00
9	12-IN GATE VALVE & VALVE BOX	1	EA	\$2,485.00	\$2,485.00	\$3,250.00	\$3,250.00	\$3,110.00	\$3,110.00
10	8-IN GATE VALVE & VALVE BOX	15	EA	\$1,345.00	\$20,175.00	\$1,400.00	\$21,000.00	\$1,629.00	\$24,435.00
11	6-IN GATE VALVE & VALVE BOX	5	EA	\$960.00	\$4,800.00	\$1,250.00	\$6,250.00	\$1,165.00	\$5,825.00
12	4-IN GATE VALVE & VALVE BOX	1	EA	\$810.00	\$810.00	\$1,000.00	\$1,000.00	\$991.00	\$991.00
13	CONNECT TO EXISTING 16-IN WATER MAIN	1	EA	\$2,130.00	\$2,130.00	\$3,950.00	\$3,950.00	\$6,200.00	\$6,200.00
14	CONNECT TO EXISTING 12-IN WATER MAIN	1	EA	\$1,820.00	\$1,820.00	\$3,250.00	\$3,250.00	\$4,637.00	\$4,637.00
15	CONNECT TO EXISTING 8-IN WATER MAIN	10	EA	\$1,620.00	\$16,200.00	\$2,950.00	\$29,500.00	\$3,225.00	\$32,250.00
16	CONNECT TO EXISTING 6-IN WATER MAIN	10	EA	\$1,575.00	\$15,750.00	\$2,950.00	\$29,500.00	\$2,635.00	\$26,350.00
17	CONNECT TO EXISTING 4-IN WATER MAIN	1	EA	\$1,465.00	\$1,465.00	\$2,950.00	\$2,950.00	\$2,491.00	\$2,491.00
18	CUT & CAP 12-IN WATER MAIN	1	EA	\$1,855.00	\$1,855.00	\$1,450.00	\$1,450.00	\$2,589.00	\$2,589.00
19	CUT & CAP 8-IN WATER MAIN	5	EA	\$1,710.00	\$8,550.00	\$1,400.00	\$7,000.00	\$1,870.00	\$9,350.00
20	CUT & CAP 6-IN WATER MAIN	10	EA	\$1,675.00	\$16,750.00	\$1,350.00	\$13,500.00	\$1,834.00	\$18,340.00
21	CUT & CAP 4-IN WATER MAIN	2	EA	\$1,655.00	\$3,310.00	\$1,300.00	\$2,600.00	\$1,811.00	\$3,622.00
22	16-IN x 8-IN TAP/SLEEVE, VALVE & VALVE BOX	1	EA	\$14,300.00	\$14,300.00	\$10,000.00	\$10,000.00	\$15,398.00	\$15,398.00
23	12-IN x 8-IN TAP/SLEEVE, VALVE & VALVE BOX	5	EA	\$7,945.00	\$39,725.00	\$9,000.00	\$45,000.00	\$9,147.00	\$45,735.00
24	12-IN x 6-IN TAP/SLEEVE, VALVE & VALVE BOX	5	EA	\$7,180.00	\$35,900.00	\$7,500.00	\$37,500.00	\$8,444.00	\$42,220.00
25	8-IN x 8-IN TAP/SLEEVE, VALVE & VALVE BOX	5	EA	\$5,875.00	\$29,375.00	\$6,900.00	\$34,500.00	\$6,342.00	\$31,710.00
26	8-IN x 6-IN TAP/SLEEVE, VALVE & VALVE BOX	5	EA	\$5,250.00	\$26,250.00	\$6,250.00	\$31,250.00	\$5,704.00	\$28,520.00
27	6-IN x 6-IN TAP/SLEEVE, VALVE & VALVE BOX	5	EA	\$4,970.00	\$24,850.00	\$5,950.00	\$29,750.00	\$4,802.00	\$24,010.00
28	VALVE IN CONCRETE MANHOLE	1	EA	\$5,735.00	\$5,735.00	\$9,500.00	\$9,500.00	\$7,369.00	\$7,369.00
29	2-IN BLOWOFF VALVE & ASSEMBLY BOX	5	EA	\$1,525.00	\$7,625.00	\$4,750.00	\$23,750.00	\$2,782.00	\$13,910.00
30	REMOVE EXISTING VALVE BOX	20	EA	\$160.00	\$3,200.00	\$250.00	\$5,000.00	\$417.00	\$8,340.00
31	ABANDON/REMOVE EXISTING FIRE HYDRANT	10	EA	\$1,100.00	\$11,000.00	\$950.00	\$9,500.00	\$2,738.00	\$27,380.00

Bid Tabulation

IFB 16-19 PROVISION AND INSTALLATION OF WATER MAINS AND APPURTENANCES

Opened 4/27/16 11:00 AM by Gina Gilpin Witness: David Donahue and Christine Horner

32	REMOVE/RESET EXISTING FIRE HYDRANT	5	EA	\$1,100.00	\$5,500.00	\$3,500.00	\$17,500.00	\$2,680.00	\$13,400.00
33	INSTALL NEW FIRE HYDRANT	10	EA	\$4,090.00	\$40,900.00	\$2,750.00	\$27,500.00	\$6,205.00	\$62,050.00
34	3/4-IN & 1-IN SERVICE TAP -- UP TO 10 FT	40	EA	\$1,735.00	\$69,400.00	\$1,750.00	\$70,000.00	\$1,722.00	\$68,880.00
35	3/4-IN & 1-IN SERVICE TAP PER ADDITIONAL LINEAR FOOT OVER 10 FT	50	LF	\$61.90	\$3,095.00	\$65.00	\$3,250.00	\$52.50	\$2,625.00
36	1.5-IN & 2-IN SERVICE TAP -- UP TO 10 FT	5	EA	\$3,425.00	\$17,125.00	\$2,500.00	\$12,500.00	\$3,280.00	\$16,400.00
37	1.5-IN & 2-IN SERVICE TAP PER ADDITIONAL LINEAR FOOT OVER 10 FT	50	LF	\$68.95	\$3,447.50	\$80.00	\$4,000.00	\$106.50	\$5,325.00
38	3/4-IN & 1-IN SERVICE RE-TAP -- UP TO 10 FT	10	EA	\$1,225.00	\$12,250.00	\$1,750.00	\$17,500.00	\$1,722.00	\$17,220.00
39	3/4-IN & 1-IN SERVICE RE-TAP PER ADDITIONAL LINEAR FOOT OVER 10 FT	50	LF	\$61.90	\$3,095.00	\$65.00	\$3,250.00	\$52.50	\$2,625.00
40	1.5-IN & 2-IN SERVICE RE-TAP -- UP TO 10 FT	2	EA	\$1,820.00	\$3,640.00	\$2,500.00	\$5,000.00	\$3,275.00	\$6,550.00
41	1.5-IN & 2-IN SERVICE RE-TAP PER ADDITIONAL LINEAR FOOT OVER 10 FT	50	LF	\$68.95	\$3,447.50	\$80.00	\$4,000.00	\$109.50	\$5,475.00
42	3/4-IN & 1-IN WATER METER RELOCATION -- UP TO 10 FT	20	EA	\$1,225.00	\$24,500.00	\$1,500.00	\$30,000.00	\$975.00	\$19,500.00
43	3/4-IN & 1-IN SERVICE RELOCATION PER ADDITIONAL LINEAR FOOT OVER 10 FT	50	LF	\$61.90	\$3,095.00	\$65.00	\$3,250.00	\$52.50	\$2,625.00
44	1.5-IN & 2-IN WATER METER RELOCATION -- UP TO 10 FT	2	EA	\$1,820.00	\$3,640.00	\$2,250.00	\$4,500.00	\$1,372.00	\$2,744.00
45	1.5-IN & 2-IN SERVICE RELOCATION PER ADDITIONAL LINEAR FOOT OVER 10 FT	50	LF	\$68.95	\$3,447.50	\$80.00	\$4,000.00	\$109.50	\$5,475.00
46	FULL PAVEMENT RESTORATION (10-IN TYPE I, SIZE NO. 21A OR 21B; 6-IN TYPE BM-25.0; 1.5-IN SURFACE MATERIAL)	1000	SY	\$64.35	\$64,350.00	\$45.00	\$45,000.00	\$69.25	\$69,250.00
47	INTERIM PAVEMENT RESTORATION (10-IN TYPE I, SIZE NO. 21A OR 21B; 7.5-IN TYPE BM-25.0)	1000	SY	\$64.35	\$64,350.00	\$40.00	\$40,000.00	\$42.75	\$42,750.00
48	REMOVE AND REPLACE CONCRETE SIDEWALK	500	SY	\$74.80	\$37,400.00	\$65.00	\$32,500.00	\$99.00	\$49,500.00
49	REMOVE AND REPLACE PAVERS	50	SY	\$162.80	\$8,140.00	\$210.00	\$10,500.00	\$63.00	\$3,150.00
50	REMOVE AND REPLACE CONCRETE CURB & GUTTER	1500	LF	\$35.60	\$53,400.00	\$50.00	\$75,000.00	\$43.50	\$65,250.00
51	ROCK EXCAVATION	25	CY	\$165.00	\$4,125.00	\$50.00	\$1,250.00	\$115.00	\$2,875.00
52	CRUSHER RUN VDOT #25 OR APPROVED EQUAL	3000	TON	\$34.50	\$103,500.00	\$27.50	\$82,500.00	\$41.00	\$123,000.00
53	SUBBASE, VDOT #21A	500	TON	\$38.00	\$19,000.00	\$25.00	\$12,500.00	\$37.60	\$18,800.00
54	SELECT BORROW	100	SY	\$22.40	\$2,240.00	\$25.00	\$2,500.00	\$81.80	\$8,180.00
55	OVER EXCAVATION	500	SY	\$40.70	\$20,350.00	\$25.00	\$12,500.00	\$36.80	\$18,400.00
56	COLD MIX ASPHALT	100	TON	\$167.90	\$16,790.00	\$150.00	\$15,000.00	\$232.50	\$23,250.00
57	STRAW BALES	50	LF	\$6.00	\$300.00	\$5.00	\$250.00	\$7.80	\$390.00
58	SOD	50	SY	\$6.00	\$300.00	\$10.00	\$500.00	\$46.50	\$2,325.00
59	TEST PIT	10	EA	\$325.00	\$3,250.00	\$450.00	\$4,500.00	\$521.50	\$5,215.00
60	SOIL COMPACTION TEST	10	EA	\$1,530.00	\$15,300.00	\$150.00	\$1,500.00	\$600.00	\$6,000.00
61	REMOVE & REPLACE CONCRETE DRIVEWAY ENTRANCE	20	SY	\$103.80	\$2,076.00	\$95.00	\$1,900.00	\$111.00	\$2,220.00
62	BACKHOE	40	HR	\$1.00	\$40.00	\$45.00	\$1,800.00	\$35.00	\$1,400.00
63	BACKHOE WITH OPERATOR	40	HR	\$86.50	\$3,460.00	\$95.00	\$3,800.00	\$82.50	\$3,300.00
64	LOADER WITH OPERATOR	40	HR	\$86.50	\$3,460.00	\$95.00	\$3,800.00	\$92.50	\$3,700.00

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65	TANDEM WITH OPERATOR	40	HR	\$61.00	\$2,440.00	\$75.00	\$3,000.00	\$81.25	\$3,250.00
66	MEDIUM DUMP WITH OPERATOR	40	HR	\$58.00	\$2,320.00	\$65.00	\$2,600.00	\$73.75	\$2,950.00
67	TAPPING MACHINE	8	HR	\$18.00	\$144.00	\$25.00	\$200.00	\$75.75	\$606.00
68	JACK HAMMER	40	HR	\$6.00	\$240.00	\$10.00	\$400.00	\$5.00	\$200.00
69	AIR COMPRESSOR	40	HR	\$18.00	\$720.00	\$10.00	\$400.00	\$19.85	\$794.00
70	COMPACTOR	40	HR	\$14.00	\$560.00	\$12.50	\$500.00	\$34.90	\$1,396.00
71	PAVEMENT BREAKER	8	HR	\$86.50	\$692.00	\$25.00	\$200.00	\$55.50	\$444.00
72	TOOL TRAILER	40	HR	\$14.00	\$560.00	\$10.00	\$400.00	\$3.00	\$120.00
73	DUMP TRUCK WITH DRIVER	40	HR	\$75.00	\$3,000.00	\$75.00	\$3,000.00	\$100.00	\$4,000.00
74	WELDING (INCLUDES ALL LABOR AND EQUIPMENT)	4	HR	\$85.00	\$340.00	\$90.00	\$360.00	\$125.00	\$500.00
75	TRAFFIC CONTROL TRUCK	8	HR	\$48.00	\$384.00	\$85.00	\$680.00	\$75.00	\$600.00
76	ARROW BOARD	40	HR	\$15.00	\$600.00	\$10.00	\$400.00	\$5.25	\$210.00
77	FOREMAN WITH PICK-UP	40	HR	\$60.00	\$2,400.00	\$95.00	\$3,800.00	\$93.50	\$3,740.00
78	BACKHOE OPERATOR	40	HR	\$1.00	\$40.00	\$50.00	\$2,000.00	\$47.50	\$1,900.00
79	LABORER	40	HR	\$30.00	\$1,200.00	\$45.00	\$1,800.00	\$34.25	\$1,370.00
80	PIPE LAYER	40	HR	\$34.00	\$1,360.00	\$50.00	\$2,000.00	\$40.00	\$1,600.00
81	FLAGGERS	80	HR	\$28.00	\$2,240.00	\$40.00	\$3,200.00	\$68.50	\$5,480.00
82	BACKHOE - EMERGENCY	40	HR	\$1.00	\$40.00	\$45.00	\$1,800.00	\$49.00	\$1,960.00
83	BACKHOE WITH OPERATOR - EMERGENCY	40	HR	\$86.50	\$3,460.00	\$100.00	\$4,000.00	\$115.50	\$4,620.00
84	LOADER WITH OPERATOR - EMERGENCY	40	HR	\$86.50	\$3,460.00	\$100.00	\$4,000.00	\$129.50	\$5,180.00
85	TANDEM WITH OPERATOR - EMERGENCY	40	HR	\$61.00	\$2,440.00	\$80.00	\$3,200.00	\$114.00	\$4,560.00
86	MEDIUM DUMP WITH OPERATOR EMERGENCY	40	HR	\$58.00	\$2,320.00	\$70.00	\$2,800.00	\$103.25	\$4,130.00
87	TAPPING MACHINE - EMERGENCY	8	HR	\$18.00	\$144.00	\$25.00	\$200.00	\$106.00	\$848.00
88	JACK HAMMER - EMERGENCY	40	HR	\$6.00	\$240.00	\$10.00	\$400.00	\$7.00	\$280.00
89	AIR COMPRESSOR - EMERGENCY	40	HR	\$18.00	\$720.00	\$10.00	\$400.00	\$28.00	\$1,120.00
90	COMPACTOR - EMERGENCY	40	HR	\$14.00	\$560.00	\$12.50	\$500.00	\$49.00	\$1,960.00
91	PAVEMENT BREAKER - EMERGENCY	8	HR	\$86.50	\$692.00	\$25.00	\$200.00	\$53.75	\$430.00
92	TOOL TRAILER - EMERGENCY	40	HR	\$14.00	\$560.00	\$10.00	\$400.00	\$4.20	\$168.00
93	DUMP TRUCK WITH DRIVER - EMERGENCY	40	HR	\$75.00	\$3,000.00	\$80.00	\$3,200.00	\$140.00	\$5,600.00
94	WELDING (INCLUDES ALL LABOR AND EQUIPMENT) - EMERGENCY	4	HR	\$85.00	\$340.00	\$95.00	\$175.00	\$175.00	\$700.00
95	TRAFFIC CONTROL TRUCK - EMERGENCY	8	HR	\$48.00	\$384.00	\$90.00	\$720.00	\$105.00	\$840.00
96	ARROW BOARD - EMERGENCY	40	HR	\$15.00	\$600.00	\$10.00	\$400.00	\$7.50	\$300.00
97	FOREMAN WITH PICK-UP - EMERGENCY	40	HR	\$60.00	\$2,400.00	\$100.00	\$4,000.00	\$128.00	\$5,120.00
98	BACKHOE OPERATOR EMERGENCY	40	HR	\$1.00	\$40.00	\$55.00	\$2,200.00	\$67.00	\$2,680.00
99	LABORER -EMERGENCY	40	HR	\$30.00	\$1,200.00	\$50.00	\$2,000.00	\$47.90	\$1,916.00
100	PIPE LAYER EMERGENCY	40	HR	\$34.00	\$1,360.00	\$55.00	\$2,200.00	\$55.80	\$2,232.00
101	FLAGGERS - EMERGENCY	80	HR	\$28.00	\$2,240.00	\$45.00	\$3,600.00	\$95.50	\$7,640.00
				TOTAL BID	\$1,196,538.50	TOTAL BID	\$1,346,835.00	TOTAL BID	\$1,530,050.00

Bid Tabulation

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Opened 4/27/16 11:00 AM by Gina Gilpin Witness: David Donahue and Christine Horner

				Fort Myer Construction 2237 33rd Street NE Washington, DC 20018 Jose Rodriguez 202-636-9535		Martins Construction Corp 210 Little Falls St., Ste 300 Falls Church, VA 22046 Adrian Fernandes 703-533-8700	
ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	12-INCH WATER MAIN, DIP CL-52 VDOT 21A STONE - EXISTING PAVED AREAS	100	LF	\$313.00	\$31,300.00	\$295.00	\$29,500.00
2	8-INCH WATER MAIN, DIP CL-52 VDOT 21A STONE - EXISTING PAVED AREAS	1500	LF	\$246.00	\$369,000.00	\$265.00	\$397,500.00
3	6-INCH WATER MAIN, DIP CL-52 VDOT 21A STONE - EXISTING PAVED AREAS	500	LF	\$228.00	\$114,000.00	\$220.00	\$110,000.00
4	4-INCH WATER MAIN, DIP CL-52 VDOT 21A STONE - EXISTING PAVED AREAS	100	LF	\$242.50	\$24,250.00	\$250.00	\$25,000.00
5	12-INCH WATER MAIN, DIP CL-52 SUITABLE FILL - NON-PAVED AREAS	100	LF	\$177.00	\$17,700.00	\$235.00	\$23,500.00
6	8-INCH WATER MAIN, DIP CL-52 SUITABLE FILL - NON-PAVED AREAS	100	LF	\$150.00	\$15,000.00	\$215.00	\$21,500.00
7	6-INCH WATER MAIN, DIP CL-52 SUITABLE FILL - NON-PAVED AREAS	100	LF	\$138.00	\$13,800.00	\$170.00	\$17,000.00
8	4-INCH WATER MAIN, DIP CL-52 SUITABLE FILL - NON-PAVED AREAS	100	LF	\$141.00	\$14,100.00	\$180.00	\$18,000.00
9	12-IN GATE VALVE & VALVE BOX	1	EA	\$6,242.00	\$6,242.00	\$3,550.00	\$3,550.00
10	8-IN GATE VALVE & VALVE BOX	15	EA	\$5,347.00	\$80,205.00	\$3,050.00	\$45,750.00
11	6-IN GATE VALVE & VALVE BOX	5	EA	\$4,542.00	\$22,710.00	\$2,550.00	\$12,750.00
12	4-IN GATE VALVE & VALVE BOX	1	EA	\$4,369.00	\$4,369.00	\$2,350.00	\$2,350.00
13	CONNECT TO EXISTING 16-IN WATER MAIN	1	EA	\$5,554.00	\$5,554.00	\$1,830.00	\$1,830.00
14	CONNECT TO EXISTING 12-IN WATER MAIN	1	EA	\$4,056.00	\$4,056.00	\$1,710.00	\$1,710.00
15	CONNECT TO EXISTING 8-IN WATER MAIN	10	EA	\$3,659.00	\$36,590.00	\$1,225.00	\$12,250.00
16	CONNECT TO EXISTING 6-IN WATER MAIN	10	EA	\$3,581.00	\$35,810.00	\$1,075.00	\$10,750.00
17	CONNECT TO EXISTING 4-IN WATER MAIN	1	EA	\$3,571.00	\$3,571.00	\$1,005.00	\$1,005.00
18	CUT & CAP 12-IN WATER MAIN	1	EA	\$5,104.00	\$5,104.00	\$1,250.00	\$1,250.00
19	CUT & CAP 8-IN WATER MAIN	5	EA	\$3,794.00	\$18,970.00	\$975.00	\$4,875.00
20	CUT & CAP 6-IN WATER MAIN	10	EA	\$3,758.00	\$37,580.00	\$845.00	\$8,450.00
21	CUT & CAP 4-IN WATER MAIN	2	EA	\$2,510.00	\$5,020.00	\$845.00	\$1,690.00
22	16-IN x 8-IN TAP/SLEEVE, VALVE & VALVE BOX	1	EA	\$19,260.00	\$19,260.00	\$19,575.00	\$19,575.00
23	12-IN x 8-IN TAP/SLEEVE, VALVE & VALVE BOX	5	EA	\$11,958.00	\$59,790.00	\$12,860.00	\$64,300.00
24	12-IN x 6-IN TAP/SLEEVE, VALVE & VALVE BOX	5	EA	\$11,497.00	\$57,485.00	\$11,750.00	\$58,750.00
25	8-IN x 8-IN TAP/SLEEVE, VALVE & VALVE BOX	5	EA	\$10,489.00	\$52,445.00	\$10,150.00	\$50,750.00
26	8-IN x 6-IN TAP/SLEEVE, VALVE & VALVE BOX	5	EA	\$10,043.00	\$50,215.00	\$9,060.00	\$45,300.00
27	6-IN x 6-IN TAP/SLEEVE, VALVE & VALVE BOX	5	EA	\$9,767.00	\$48,835.00	\$8,750.00	\$43,750.00
28	VALVE IN CONCRETE MANHOLE	1	EA	\$5,061.00	\$5,061.00	\$3,730.00	\$3,730.00
29	2-IN BLOWOFF VALVE & ASSEMBLY BOX	5	EA	\$8,760.00	\$43,800.00	\$2,900.00	\$14,500.00
30	REMOVE EXISTING VALVE BOX	20	EA	\$2,073.00	\$41,460.00	\$650.00	\$13,000.00
31	ABANDON/REMOVE EXISTING FIRE HYDRANT	10	EA	\$1,998.00	\$19,980.00	\$2,550.00	\$25,500.00

Bid Tabulation

IFB 16-19 PROVISION AND INSTALLATION OF WATER MAINS AND APPURTENANCES

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32	REMOVE/RESET EXISTING FIRE HYDRANT	5	EA	\$3,924.00	\$19,620.00	\$3,890.00	\$19,450.00
33	INSTALL NEW FIRE HYDRANT	10	EA	\$9,563.00	\$95,630.00	\$6,815.00	\$68,150.00
34	3/4-IN & 1-IN SERVICE TAP -- UP TO 10 FT	40	EA	\$2,801.00	\$112,040.00	\$1,580.00	\$63,200.00
35	PER ADDITIONAL LINEAR FOOT OVER 10 FT	50	LF	\$120.00	\$6,000.00	\$190.00	\$9,500.00
36	1.5-IN & 2-IN SERVICE TAP -- UP TO 10 FT	5	EA	\$3,791.00	\$18,955.00	\$2,570.00	\$12,850.00
37	PER ADDITIONAL LINEAR FOOT OVER 10 FT	50	LF	\$120.00	\$6,000.00	\$205.00	\$10,250.00
38	3/4-IN & 1-IN SERVICE RE-TAP -- UP TO 10 FT	10	EA	\$2,801.00	\$28,010.00	\$1,450.00	\$14,500.00
39	3/4-IN & 1-IN SERVICE RE-TAP PER ADDITIONAL LINEAR FOOT OVER 10 FT	50	LF	\$120.00	\$6,000.00	\$195.00	\$9,750.00
40	1.5-IN & 2-IN SERVICE RE-TAP -- UP TO 10 FT	2	EA	\$2,200.00	\$4,400.00	\$2,570.00	\$5,140.00
41	PER ADDITIONAL LINEAR FOOT OVER 10 FT	50	LF	\$120.00	\$6,000.00	\$265.00	\$13,250.00
42	3/4-IN & 1-IN WATER METER RELOCATION -- UP TO 10 FT	20	EA	\$1,950.00	\$39,000.00	\$2,750.00	\$55,000.00
43	PER ADDITIONAL LINEAR FOOT OVER 10 FT	50	LF	\$120.00	\$6,000.00	\$190.00	\$9,500.00
44	1.5-IN & 2-IN WATER METER RELOCATION -- UP TO 10 FT	2	EA	\$2,200.00	\$4,400.00	\$5,200.00	\$10,400.00
45	PER ADDITIONAL LINEAR FOOT OVER 10 FT	50	LF	\$120.00	\$6,000.00	\$210.00	\$10,500.00
46	(10-IN TYPE I, SIZE NO. 21A OR 21B; 6-IN TYPE BM-25.0; 1.5-IN SURFACE	1000	SY	\$100.00	\$100,000.00	\$180.00	\$180,000.00
47	(10-IN TYPE I, SIZE NO. 21A OR 21B; 7.5-IN TYPE BM-25.0)	1000	SY	\$120.00	\$120,000.00	\$150.00	\$150,000.00
48	REMOVE AND REPLACE CONCRETE SIDEWALK	500	SY	\$53.00	\$26,500.00	\$175.00	\$87,500.00
49	REMOVE AND REPLACE PAVERS	50	SY	\$200.00	\$10,000.00	\$198.00	\$9,900.00
50	REMOVE AND REPLACE CONCRETE CURB & GUTTER	1500	LF	\$35.00	\$52,500.00	\$65.00	\$97,500.00
51	ROCK EXCAVATION	25	CY	\$400.00	\$10,000.00	\$415.00	\$10,375.00
52	CRUSHER RUN VDOT #25 OR APPROVED EQUAL	3000	TON	\$40.00	\$120,000.00	\$76.00	\$228,000.00
53	SUBBASE, VDOT #21A	500	TON	\$35.00	\$17,500.00	\$79.00	\$39,500.00
54	SELECT BORROW	100	SY	\$30.00	\$3,000.00	\$58.00	\$5,800.00
55	OVER EXCAVATION	500	SY	\$40.00	\$20,000.00	\$67.45	\$33,725.00
56	COLD MIX ASPHALT	100	TON	\$150.00	\$15,000.00	\$285.00	\$28,500.00
57	STRAW BALES	50	LF	\$10.00	\$500.00	\$11.00	\$550.00
58	SOD	50	SY	\$7.00	\$350.00	\$57.00	\$2,850.00
59	TEST PIT	10	EA	\$500.00	\$5,000.00	\$850.00	\$8,500.00
60	SOIL COMPACTION TEST	10	EA	\$400.00	\$4,000.00	\$360.00	\$3,600.00
61	REMOVE & REPLACE CONCRETE DRIVEWAY ENTRANCE	20	SY	\$200.00	\$4,000.00	\$195.00	\$3,900.00
62	BACKHOE	40	HR	\$50.00	\$2,000.00	\$100.00	\$4,000.00
63	BACKHOE WITH OPERATOR	40	HR	\$95.00	\$3,800.00	\$165.00	\$6,600.00
64	LOADER WITH OPERATOR	40	HR	\$135.00	\$5,400.00	\$225.00	\$9,000.00
65	TANDEM WITH OPERATOR	40	HR	\$90.00	\$3,600.00	\$145.00	\$5,800.00
66	MEDIUM DUMP WITH OPERATOR	40	HR	\$90.00	\$3,600.00	\$100.00	\$4,000.00
67	TAPPING MACHINE	8	HR	\$300.00	\$2,400.00	\$50.00	\$400.00
68	JACK HAMMER	40	HR	\$10.00	\$400.00	\$8.00	\$320.00
69	AIR COMPRESSOR	40	HR	\$27.00	\$1,080.00	\$28.00	\$1,120.00

Bid Tabulation**IFB 16-19 PROVISION AND INSTALLATION OF WATER MAINS AND APPURTENANCES**

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70	COMPACTOR	40	HR	\$5.00	\$200.00	\$95.00	\$3,800.00
71	PAVEMENT BREAKER	8	HR	\$5.00	\$40.00	\$50.00	\$400.00
72	TOOL TRAILER	40	HR	\$20.00	\$800.00	\$75.00	\$3,000.00
73	DUMP TRUCK WITH DRIVER	40	HR	\$90.00	\$3,600.00	\$110.00	\$4,400.00
74	WELDING (INCLUDES ALL LABOR AND EQUIPMENT)	4	HR	\$150.00	\$600.00	\$165.00	\$660.00
75	TRAFFIC CONTROL TRUCK	8	HR	\$75.00	\$600.00	\$25.00	\$200.00
76	ARROW BOARD	40	HR	\$5.00	\$200.00	\$5.00	\$200.00
77	FOREMAN WITH PICK-UP	40	HR	\$95.00	\$3,800.00	\$85.00	\$3,400.00
78	BACKHOE OPERATOR	40	HR	\$45.00	\$1,800.00	\$65.00	\$2,600.00
79	LABORER	40	HR	\$45.00	\$1,800.00	\$50.00	\$2,000.00
80	PIPE LAYER	40	HR	\$55.00	\$2,200.00	\$50.00	\$2,000.00
81	FLAGGERS	80	HR	\$47.00	\$3,760.00	\$75.00	\$6,000.00
82	BACKHOE - EMERGENCY	40	HR	\$65.00	\$2,600.00	\$115.00	\$4,600.00
83	BACKHOE WITH OPERATOR - EMERGENCY	40	HR	\$110.00	\$4,400.00	\$205.00	\$8,200.00
84	LOADER WITH OPERATOR - EMERGENCY	40	HR	\$150.00	\$6,000.00	\$250.00	\$10,000.00
85	TANDEM WITH OPERATOR - EMERGENCY	40	HR	\$95.00	\$3,800.00	\$175.00	\$7,000.00
86	MEDIUM DUMP WITH OPERATOR EMERGENCY	40	HR	\$95.00	\$3,800.00	\$135.00	\$5,400.00
87	TAPPING MACHINE - EMERGENCY	8	HR	\$450.00	\$3,600.00	\$58.00	\$464.00
88	JACK HAMMER - EMERGENCY	40	HR	\$12.50	\$500.00	\$10.00	\$400.00
89	AIR COMPRESSOR - EMERGENCY	40	HR	\$75.00	\$3,000.00	\$34.00	\$1,360.00
90	COMPACTOR - EMERGENCY	40	HR	\$10.00	\$400.00	\$115.00	\$4,600.00
91	PAVEMENT BREAKER - EMERGENCY	8	HR	\$18.00	\$144.00	\$65.00	\$520.00
92	TOOL TRAILER - EMERGENCY	40	HR	\$25.00	\$1,000.00	\$95.00	\$3,800.00
93	DUMP TRUCK WITH DRIVER - EMERGENCY	40	HR	\$95.00	\$3,800.00	\$145.00	\$5,800.00
94	WELDING (INCLUDES ALL LABOR AND EQUIPMENT) - EMERGENCY	4	HR	\$200.00	\$800.00	\$200.00	\$800.00
95	TRAFFIC CONTROL TRUCK - EMERGENCY	8	HR	\$80.00	\$640.00	\$35.00	\$280.00
96	ARROW BOARD - EMERGENCY	40	HR	\$6.00	\$240.00	\$6.00	\$240.00
97	FOREMAN WITH PICK-UP - EMERGENCY	40	HR	\$125.00	\$5,000.00	\$100.00	\$4,000.00
98	BACKHOE OPERATOR EMERGENCY	40	HR	\$55.00	\$2,200.00	\$80.00	\$3,200.00
99	LABORER - EMERGENCY	40	HR	\$52.00	\$2,080.00	\$60.00	\$2,400.00
100	PIPE LAYER EMERGENCY	40	HR	\$60.00	\$2,400.00	\$60.00	\$2,400.00
101	FLAGGERS - EMERGENCY	80	HR	\$50.00	\$4,000.00	\$115.00	\$9,200.00
				TOTAL BID	\$2,221,751.00	TOTAL BID	\$2,425,569.00