

Department Head Reports

Water and Sewer

A. Request for Intent to Award – Water Production Well No. 9 and 10
and Well House No. 9 and No. 10 - *Bid Tabulation from
Consulting Engineer Fehr-Graham & Associates*

Water & Sewer
A.

DATE: August 11, 2011

TO: Freeport Water & Sewer Commission

FROM: Adam Holder
Fehr-Graham & Associates

SUBJECT: BID RECOMMENDATION - WATER PRODUCTION WELL No. 9 & No.10 and
WELL HOUSE No. 9 & No. 10
Freeport Water & Sewer Commission

BID OPENING

The bids for the WATER PRODUCTION WELL No. 9 & No.10 and WELL HOUSE No. 9 & No. 10 were opened at 10:00 a.m. on Monday, August 1, 2011 at City Hall.

BID TABULATION (See Attached for Complete Bid Results)

Contractor	Well House	Well No. 9	Well No. 10	Alternate Bid	Base Bid Grand Total
Winter Construction	\$837,874.00	\$419,987.00	\$253,638.00	\$28,813.00	\$1,511,499.00
WDS Construction	\$906,472.13	\$333,920.00	\$217,605.00	\$29,441.00	\$1,457,997.13
Stenstrom	\$899,628.83	\$363,972.80	\$237,298.45	N/A	\$1,500,900.08
Brown Construction	\$855,040.68	\$439,780.00	\$265,738.40	\$30,184.38	\$1,560,559.08
Engineer's Estimate	\$1,138,000.00	\$496,960.00	\$319,000.00	\$9,000.00	\$1,953,960.00

BID NOTES

Each Bidder submitted the required 10% Bid Bond and acknowledged receipt of all Addendums. In regards to the Disadvantaged Business Utilization and Affirmative Efforts, none of the Bidders submitted ALL of the required documentation with their Bid. Upon request, the apparent low-bidder (WDS Construction) has since submitted all of the required documentation to satisfy this requirement. Minor adjustments in the unit price extension totals were also made to Stenstrom's Bid in accordance with the specifications, thus decreasing their Base Bid Grand Total Amount by \$24.92 to the \$1,500,900.08 amount shown above.

ALTERNATE BID

The Alternate Bid is for furnishing and installing a Byron Jackson/Flowserve Pump for Well No. 9 and Well No. 10. The Base Bid includes pumps manufactured by Peerless Pump Company, Fairbanks Morse Division, or Gould Pumps, Inc.

WELL DRILLING SUB-CONTRACTOR

Strenstrom did not identify the Well Drilling Sub-Contractor they planned to use in their Bid. Each of the other Bidders listed Layne Christensen as the Company that would be performing this work.

WDS CONSTRUCTION

Since we have not worked with WDS Construction before, I requested a list of similar projects completed along with references. Based on the review and follow-up on the references provided, I am confident that they are capable of performing the work on this project.

RECOMMENDATION

Based on the information available at this time, it is my recommendation that the Freeport Water and Sewer Commission issue a Notice of Intent to Award the Contract to WDS for the Base Bid Amount of \$1,457,997.13 contingent upon the receipt of IEPA Revolving Loan funds for the project.

Respectfully Submitted,



Adam G. Holder, P.E.
Principal

CONTRACTOR AND ADDRESS:			Engineer's Estimate		Winter Construction 1840 Walnut Rd Freeport, IL 61032		WDS 111 Rowell St. Beaver Dam, WI 53916		Stenstrom 2420 20th St. Rockford, IL 61125		Brown Construction. 200 N. Washington Milledgeville, IL 61051		
WELL HOUSE No. 9 & No. 10 No. and Description	Item	Approximate Quantity	Unit	Total	Unit	Total	Unit	Total	Unit	Total	Unit	Total	
WELL HOUSE CONSTRUCTION (INCLUDES SITE WORK, WELL HOUSE STRUCTURE, AND ALL WORK NOT INCLUDED IN OTHER BID SETS)													
1.	WATER MAIN, 8" DIP CLASS 52	LF	30	\$ 200.00	\$6,000.00	\$151.00	\$4,530.00	\$78.00	\$2,340.00	\$82.50	\$2,475.00	\$135.00	\$4,050.00
2.	WATER MAIN, 16" DIP CLASS 52	LF	234	\$ 200.00	\$46,800.00	\$104.00	\$24,336.00	\$102.00	\$23,868.00	\$107.89	\$25,246.26	\$95.00	\$22,230.00
3.	BUTTERFLY VALVE AND VALVE BOX, 16" MAIN	EA	2	\$ 4,000.00	\$8,000.00	\$4,104.00	\$8,208.00	\$3,300.00	\$6,600.00	\$3,490.50	\$6,981.00	\$3,500.00	\$7,000.00
4.	CONNECTION TO EXISTING GROUND STORAGE TANK	EA	1	\$ 3,500.00	\$3,500.00	\$5,076.00	\$5,076.00	\$2,500.00	\$2,500.00	\$2,644.00	\$2,644.00	\$4,500.00	\$4,500.00
5.	VALVE BOX, COMPLETE	EA	1	\$125,000.00	\$125,000.00	\$120,042.00	\$120,042.00	\$107,050.00	\$107,050.00	\$123,811.00	\$123,811.00	\$107,000.00	\$107,000.00
6.	DUCTILE IRON FITTINGS (WATER MAIN FROM 16"x10" REDUCER)	EA	1	\$ 4,000.00	\$4,000.00	\$6,372.00	\$6,372.00	\$3,600.00	\$3,600.00	\$3,808.00	\$3,808.00	\$5,400.00	\$5,400.00
7.	SANITARY SERVICE, 8" PVC SDR-26	POUND	2,435	\$ 10.00	\$24,350.00	\$7.60	\$18,506.00	\$10.00	\$24,350.00	\$10.20	\$24,837.00	\$7.00	\$17,045.00
8.	SANITARY MANHOLE, 4' DIAMETER	LF	484	\$ 75.00	\$36,300.00	\$52.00	\$25,168.00	\$50.00	\$24,200.00	\$52.89	\$25,598.76	\$47.00	\$22,748.00
9.	WATER MAIN QUALITY PIPE SLEEVE, 20"	EA	2	\$ 6,000.00	\$12,000.00	\$4,752.00	\$9,504.00	\$2,300.00	\$4,600.00	\$2,433.00	\$4,866.00	\$4,000.00	\$8,000.00
10.	CHAIN LINK FENCE, 6'	LF	20	\$ 200.00	\$4,000.00	\$86.40	\$1,728.00	\$80.00	\$1,600.00	\$84.60	\$1,692.00	\$75.00	\$1,500.00
11.	CHAIN LINK GATE, DOUBLE 8' SWING	LF	627	\$ 75.00	\$47,025.00	\$15.00	\$9,405.00	\$14.19	\$8,897.13	\$15.23	\$9,549.21	\$15.84	\$9,931.68
12.	HOT MIX ASPHALT DRIVEWAY	EA	1	\$ 15,000.00	\$15,000.00	\$2,160.00	\$2,160.00	\$4,000.00	\$4,000.00	\$1,798.00	\$1,798.00	\$1,870.00	\$1,870.00
13.	PCC SIDEWALK	SY	147	\$ 200.00	\$29,400.00	\$50.50	\$7,423.50	\$30.00	\$4,410.00	\$49.40	\$7,261.80	\$38.00	\$5,586.00
14.	PERIMETER EROSION BARRIER	SF	265	\$ 20.00	\$5,300.00	\$6.20	\$1,643.00	\$5.00	\$1,325.00	\$6.08	\$1,611.20	\$10.00	\$2,650.00
15.	RESTORATION	LF	265	\$ 5.00	\$1,325.00	\$2.70	\$715.50	\$3.00	\$795.00	\$2.64	\$699.60	\$2.00	\$530.00
16.	RESTORATION	LS	1	\$ 20,000.00	\$20,000.00	\$8,100.00	\$8,100.00	\$4,700.00	\$4,700.00	\$4,971.00	\$4,971.00	\$5,000.00	\$5,000.00
Addendums													
Bid Security													
TOTALS				\$1,138,000.00		\$837,874.00		\$906,472.13		\$899,628.83		\$855,040.68	

BID DATE: August 01, 2011

And
WELL HOUSE No. 9 No. 10

CITY OF FREEPORT, IL - FREEPORT WATER AND SEWER COMMISSION

CONTRACTOR AND ADDRESS:			Engineer's Estimate		Winter Construction 1840 Walnut Rd Freeport, IL 61032		WDS 111 Rowell St. Beaver Dam, WI 53916		Stenstrom 2420 20th St. Rockford, IL 61125		Brown Construction. 200 N. Washington Milledgeville, IL 61051		
WATER PRODUCTION WELL No. 9 - PHASED DRILLING			Approximate										
Item No. and Description		Quantity	Unit	Total	Unit	Total	Unit	Total	Unit	Total	Unit	Total	
1	MOBILIZATION (Demob. Below)	LS	1	\$ 85,000.00	\$85,000.00	51030	\$51,030.00	\$38,460.00	\$38,460.00	\$41,921.40	\$41,921.40	\$53,460.00	\$53,460.00
2	DRILL 29" GLACIAL TILL HOLE (0 Ft. - 50 Ft.)	FT	50	\$ 310.00	\$15,500.00	\$362.00	\$18,100.00	\$250.00	\$12,500.00	\$272.50	\$13,625.00	\$379.50	\$18,975.00
3	26" OD X 0.5" WELL CASING	FT	50	\$ 180.00	\$9,000.00	\$258.00	\$12,900.00	\$243.00	\$12,150.00	\$264.87	\$13,243.50	\$270.60	\$13,530.00
4	DRILL 25" HOLE (50 Ft. - 242 Ft.)	FT	192	\$ 275.00	\$52,800.00	\$242.00	\$46,464.00	\$208.00	\$39,936.00	\$226.72	\$43,530.24	\$253.00	\$48,576.00
5	20" OD X 0.375" WELL CASING	FT	242	\$ 130.00	\$31,460.00	\$113.00	\$27,346.00	\$90.00	\$21,780.00	\$98.10	\$23,740.20	\$118.80	\$28,749.60
6	CEMENT SHOE:												
6a.	26"	EA	1	\$ 2,000.00	\$2,000.00	\$2,205.00	\$2,205.00	\$1,980.00	\$1,980.00	\$2,158.20	\$2,158.20	\$2,310.00	\$2,310.00
6b.	20"	EA	1	\$ 1,500.00	\$1,500.00	\$1,890.00	\$1,890.00	\$1,680.00	\$1,680.00	\$1,831.20	\$1,831.20	\$1,980.00	\$1,980.00
7	CEMENT GROUT INSTALLATION:												
7a.	SURFACE CASING	LS	1	\$ 5,000.00	\$5,000.00	\$4,725.00	\$4,725.00	\$3,530.00	\$3,530.00	\$3,847.70	\$3,847.70	\$4,950.00	\$4,950.00
7b.	LONG STRING CASING	LS	1	\$ 10,000.00	\$10,000.00	\$13,230.00	\$13,230.00	\$5,880.00	\$5,880.00	\$6,409.20	\$6,409.20	\$13,860.00	\$13,860.00
8	CEMENT GROUT	Bags	380	\$ 25.00	\$9,500.00	\$23.00	\$8,740.00	\$18.00	\$6,840.00	\$19.62	\$7,455.60	\$24.20	\$9,196.00
9	DRILL 19" HOLE (250 Ft. - 365 Ft.)	FT	123	\$ 200.00	\$24,600.00	\$179.00	\$22,017.00	\$106.00	\$13,038.00	\$115.54	\$14,211.42	\$187.00	\$23,001.00
10	FURNISH, INSTALL AND REMOVE TEST PUMP	EA	1	\$ 15,000.00	\$15,000.00	\$14,280.00	\$14,280.00	\$11,000.00	\$11,000.00	\$11,990.00	\$11,990.00	\$14,960.00	\$14,960.00
11	PUMP TESTING WITH TEMPORARY GENERATOR	Hrs	24	\$ 500.00	\$12,000.00	\$415.00	\$9,960.00	\$177.00	\$4,248.00	\$192.93	\$4,630.32	\$434.50	\$10,428.00
12	WATER QUALITY ANALYSIS	LS	1	\$ 2,700.00	\$2,700.00	\$3,780.00	\$3,780.00	\$3,060.00	\$3,060.00	\$3,335.40	\$3,335.40	\$3,960.00	\$3,960.00
13	DRILL 19" HOLE (365 Ft. - 730 Ft.)	FT	365	\$ 200.00	\$73,000.00	\$179.00	\$65,335.00	\$104.00	\$37,960.00	\$113.36	\$41,376.40	\$187.00	\$68,255.00
14	FURNISH, INSTALL AND REMOVE TEST PUMP	EA	1	\$ 20,000.00	\$20,000.00	\$9,975.00	\$9,975.00	\$11,000.00	\$11,000.00	\$11,990.00	\$11,990.00	\$10,450.00	\$10,450.00
15	PUMP TESTING WITH TEMPORARY GENERATOR	Hrs	24	\$ 500.00	\$12,000.00	\$389.00	\$9,336.00	\$177.00	\$4,248.00	\$192.93	\$4,630.32	\$407.00	\$9,768.00
16	WATER QUALITY ANALYSIS	LS	1	\$ 2,700.00	\$2,700.00	\$3,780.00	\$3,780.00	\$3,060.00	\$3,060.00	\$3,335.40	\$3,335.40	\$3,960.00	\$3,960.00
17	TELEVISION SURVEY	EA	1	\$ 2,200.00	\$2,200.00	\$1,838.00	\$1,838.00	\$2,300.00	\$2,300.00	\$2,507.00	\$2,507.00	\$1,925.00	\$1,925.00
18	WELL DISINFECTION	EA	1	\$ 2,000.00	\$2,000.00	\$998.00	\$998.00	\$450.00	\$450.00	\$490.50	\$490.50	\$1,045.00	\$1,045.00
19	PLUMBNESS AND ALIGNMENT TESTS	EA	1	\$ 2,000.00	\$2,000.00	\$2,310.00	\$2,310.00	\$2,080.00	\$2,080.00	\$2,267.20	\$2,267.20	\$2,420.00	\$2,420.00
20	DEMOBILIZATION	LS	1	\$ 22,000.00	\$22,000.00	\$11,865.00	\$11,865.00	\$15,090.00	\$15,090.00	\$16,448.10	\$16,448.10	\$12,430.00	\$12,430.00
21	FURNISH AND INSTALL VERTICAL PUMP AND MOTOR	LS	1	\$ 85,000.00	\$85,000.00	\$77,883.00	\$77,883.00	\$81,650.00	\$81,650.00	\$88,998.50	\$88,998.50	\$81,591.40	\$81,591.40
Addendums													
Bid Security													
TOTALS					\$496,960.00		\$419,987.00		\$333,920.00		\$363,972.80		\$439,780.00

BID DATE: August 01, 2011

And
WELL HOUSE No. 9 No. 10

CITY OF FREEPORT, IL - FREEPORT WATER AND SEWER COMMISSION

CONTRACTOR AND ADDRESS:		Engineer's Estimate		Winter Construction 1840 Walnut Rd Freeport, IL 61032		WDS 111 Rowell St. Beaver Dam, WI 53916		Stenstrom 2420 20th St. Rockford, IL 61125		Brown Construction. 200 N. Washington Milledgeville, IL 61051			
Item No. and Description	Approximate Quantity	Unit	Total	Unit	Total	Unit	Total	Unit	Total	Unit	Total		
WATER PRODUCTION WELL No. 10 - PHASED DRILLING													
1	MOBILIZATION (Demob. Below)	LS	1	\$ 65,000.00	\$65,000.00	\$29,400.00	\$29,400.00	\$29,990.00	\$29,990.00	\$32,689.10	\$32,689.10	\$30,800.00	\$30,800.00
2	DRILL 24" GLACIAL TILL HOLE (0 Ft. - 50 Ft.)	FT	50	\$ 210.00	\$10,500.00	\$307.00	\$15,350.00	\$259.00	\$12,950.00	\$282.31	\$14,115.50	\$321.20	\$16,060.00
3	20" OD X 0.375" WELL CASING	FT	50	\$ 180.00	\$9,000.00	\$113.00	\$5,650.00	\$112.00	\$5,600.00	\$122.08	\$6,104.00	\$118.50	\$5,925.00
4	DRILL 19" HOLE (50 Ft. - 240 Ft.)	FT	190	\$ 190.00	\$36,100.00	\$179.00	\$34,010.00	\$136.00	\$25,840.00	\$148.24	\$28,165.60	\$187.00	\$35,530.00
5	16" OD X 0.375" WELL CASING	FT	242	\$ 100.00	\$24,200.00	\$90.00	\$21,780.00	\$89.00	\$21,538.00	\$97.01	\$23,476.42	\$94.60	\$22,893.20
6	CEMENT SHOE:												
6a.	20"	EA	1	\$ 1,800.00	\$1,800.00	\$1,890.00	\$1,890.00	\$1,680.00	\$1,680.00	\$1,831.20	\$1,831.20	\$1,980.00	\$1,980.00
6b.	16"	EA	1	\$ 1,500.00	\$1,500.00	\$1,575.00	\$1,575.00	\$1,330.00	\$1,330.00	\$1,449.70	\$1,449.70	\$1,650.00	\$1,650.00
7	CEMENT GROUT INSTALLATION:												
7a.	SURFACE CASING	LS	1	\$ 6,000.00	\$6,000.00	\$4,725.00	\$4,725.00	\$3,540.00	\$3,540.00	\$3,858.60	\$3,858.60	\$4,950.00	\$4,950.00
7b.	LONG STRING CASING	LS	1	\$ 11,000.00	\$11,000.00	\$11,340.00	\$11,340.00	\$5,900.00	\$5,900.00	\$6,431.00	\$6,431.00	\$11,880.00	\$11,880.00
8	CEMENT GROUT	Bags	220	\$ 25.00	\$5,500.00	\$23.00	\$5,060.00	\$18.00	\$3,960.00	\$19.62	\$4,316.40	\$24.20	\$5,324.00
9	DRILL 15.25" HOLE (240 Ft. - 365 Ft.)	FT	125	\$ 180.00	\$22,500.00	\$153.00	\$19,125.00	\$81.00	\$10,125.00	\$88.29	\$11,036.25	\$160.60	\$20,075.00
10	FURNISH, INSTALL AND REMOVE TEST PUMP	EA	1	\$ 16,000.00	\$16,000.00	\$12,600.00	\$12,600.00	\$8,950.00	\$8,950.00	\$9,755.50	\$9,755.50	\$13,200.00	\$13,200.00
11	PUMP TESTING WITH TEMPORARY GENERATOR	Hrs	24	\$ 500.00	\$12,000.00	\$399.00	\$9,576.00	\$178.00	\$4,272.00	\$194.02	\$4,656.48	\$418.00	\$10,032.00
12	WATER QUALITY ANALYSIS	LS	1	\$ 2,700.00	\$2,700.00	\$3,780.00	\$3,780.00	\$3,060.00	\$3,060.00	\$3,335.40	\$3,335.40	\$3,960.00	\$3,960.00
13	TELEVISION SURVEY	EA	1	\$ 2,200.00	\$2,200.00	\$1,838.00	\$1,838.00	\$2,030.00	\$2,030.00	\$2,212.70	\$2,212.70	\$1,925.00	\$1,925.00
14	WELL DISINFECTION	EA	1	\$ 2,000.00	\$2,000.00	\$998.00	\$998.00	\$460.00	\$460.00	\$610.40	\$610.40	\$1,045.00	\$1,045.00
15	PLUMBNESS AND ALIGNMENT TESTS	EA	1	\$ 2,000.00	\$2,000.00	\$1,575.00	\$1,575.00	\$1,570.00	\$1,570.00	\$1,711.30	\$1,711.30	\$1,650.00	\$1,650.00
16	DEMobilIZATION	LS	1	\$ 23,000.00	\$23,000.00	\$18,900.00	\$18,900.00	\$13,530.00	\$13,530.00	\$14,747.70	\$14,747.70	\$19,800.00	\$19,800.00
17	FURNISH AND INSTALL SUBMERSIBLE PUMP AND MOTOR	LS	1	\$ 66,000.00	\$66,000.00	\$54,466.00	\$54,466.00	\$61,280.00	\$61,280.00	\$66,795.20	\$66,795.20	\$57,059.20	\$57,059.20
Addendums													
Bid Security													
TOTALS				\$319,000.00		\$253,638.00		\$217,605.00		\$237,298.45		\$265,738.40	
Grand Total Base Bid for Well House No. 9 and No. 10 and Water Production Well No. 9 and No. 10				\$1,953,960.00		\$1,511,499.00		\$1,457,997.13		\$1,500,900.08		\$1,560,559.08	

I certify that the above tabulation is true and correct.



Adam G. Holder, P.E.

8/1/2011

FEHR-GRAHAM ASSOCIATES
 FREEPORT, ILLINOIS

BID DATE: August 01, 2011

BID TABULATION
 WATER PRODUCTION WELL No. 9 No. 10
 And

WELL HOUSE No. 9 No. 10
 CITY OF FREEPORT, IL - FREEPORT WATER AND SEWER COMMISSION

JOB NO.: 48641B

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CONTRACTOR AND ADDRESS:				Engineer's Estimate		Winter Construction 1840 Walnut Rd Freeport, IL 61032		WDS 111 Rowell St. Beaver Dam, WI 53916		Stenstrom 2420 20th St. Rockford, IL 61125		Brown Construction. 200 N. Washington Milledgeville, IL 61051	
ALTERNATE BID				Unit		Unit		Unit		Unit		Unit	
No. and Description	Item	Approximate Quantity		Unit	Total	Unit	Total	Unit	Total	Unit	Total	Unit	Total
1.	ADDITIONAL COST TO FURNISH AND INSTALL A BYRON JACKSON/FLOWSERVE PUMP AT WELL No. 9 (Well No. 9 – Line Item No. 21)	LS	1	\$ 3,000.00	\$3,000.00	\$9,689.00	\$9,689.00	\$10,228.00	\$10,228.00	N/A		\$10,150.80	\$10,150.80
2.	ADDITIONAL COST TO FURNISH AND INSTALL A BYRON JACKSON/FLOWSERVE PUMP AND MOTOR AT WELL No. 10 (Well No. 10 – Line Item No.17)	LS	1	\$ 6,000.00	\$6,000.00	\$19,124.00	\$19,124.00	\$19,213.00	\$19,213.00	N/A		\$20,034.30	\$20,034.30
Addendums													
Bid Security													

CONTRACTOR AND ADDRESS:		Engineer's Estimate	Winter Construction 1840 Walnut Rd Freeport, IL 61032	WDS 111 Rowell St. Beaver Dam, WI 53916	Stenstrom 2420 20th St. Rockford, IL 61125	Brown Construction. 200 N. Washington Milledgeville, IL 61051				
SUPPLEMENTAL UNIT PRICES, IF REQUIRED										
Item No. and Description	Unit	Total Cost	Unit	Total	Unit	Total	Unit	Total	Unit	Total
DOUBLE BOCK SHOOTING: 1 LB @ 2.5' X 50'										
A. RUN	Per Run	\$ 5,800.00	\$6,038.00	\$6,038.00	\$2,180.00	\$2,180.00	\$2,200.00	\$2,200.00	\$6,325.00	\$6,325.00
B. PENETRATING SHOTS: 90 GRAM	Per Shot	\$ 75.00	\$60.00	\$60.00	\$2,725.00	\$2,725.00	\$2,800.00	\$2,800.00	\$62.70	\$62.70
C. BULK NITROGLYCERIN SHOTS	Per Pound	\$ 38.00	\$31.00	\$31.00	\$54.50	\$54.50	\$55.00	\$55.00	\$32.45	\$32.45
D. SAND BAILING WITH RIG AND 2-MAN CREW	Per Hour	\$ 350.00	\$405.00	\$405.00	\$376.05	\$376.05	\$395.00	\$395.00	\$424.60	\$424.60
E. AIR LIFT SURGING EQUIPMENT (600 PSI AIR)	Lump Sum	\$ 35,000.00	\$35,700.00	\$35,700.00	\$30,520.00	\$30,520.00	\$29,500.00	\$29,500.00	\$37,400.00	\$37,400.00
F. WELL DEVELOPMENT BY AIRLIFT SURGING	Per Hour	\$ 575.00	\$714.00	\$714.00	\$763.00	\$763.00	\$770.00	\$770.00	\$748.00	\$748.00
G. WELL PRESSURIZING EQUIPMENT	Lump Sum	\$ 17,000.00	\$16,380.00	\$16,380.00	\$10,355.00	\$10,355.00	\$10,500.00	\$10,500.00	\$17,160.00	\$17,160.00
H. DEVELOPMENT WITH AIR PRESSURING ADDITIONAL "LARGE" TEST PUMPING. FURNISH, INSTALL AND REMOVE TEST	Per Hour	\$ 600.00	\$574.00	\$574.00	\$468.70	\$468.70	\$470.00	\$470.00	\$601.70	\$601.70
I. PUMP DRILL RIG AND EQUIPMENT WITH 3 MAN	Per Each	\$ 25,000.00	\$2,100.00	\$2,100.00	\$14,170.00	\$14,170.00	\$14,000.00	\$14,000.00	\$22,000.00	\$22,000.00
J. CREW DRILL RIG AND EQUIPMENT WITH 4 MAN	Per Hour	\$ 450.00	\$942.00	\$942.00	\$681.25	\$681.25	\$725.00	\$725.00	\$986.70	\$986.70
K. CREW	Per Hour	\$ 900.00	\$1,061.00	\$1,061.00	\$801.15	\$801.15	\$835.00	\$835.00	\$1,111.00	\$1,111.00
L. BENTONITE FOR LOST CIRCULATION ZONES	Per Bag	\$ 20.00	\$15.00	\$15.00	\$54.50	\$54.50	\$60.00	\$60.00	\$15.40	\$15.40
M. LOST CIRCULATION MATERIAL	Per Bag	\$ 115.00	\$103.00	\$103.00	\$136.25	\$136.25	\$150.00	\$150.00	\$107.80	\$107.80
Addendums										
Bid Security										