


Department Head Reports

Water and Sewer

- C. Request for Intent to Award – The Water System Improvements for New Pressure Zone - *Bid Tabulation from Consulting Engineering Rezek, Henry, Meisenheimer and Gende, (RHMG) Inc.*

Water & Sewer
Item C


Rezek, Henry, Meisenheimer and Gende, Inc.

CONSULTING ENGINEERS

August 11, 2011

Ms. Denise B. Ihrig, P.E.
Water and Sewer Commission
City of Freeport
230 W. Stephenson Street
Freeport, IL 61032

Re: Water System Improvements for New Pressure Zone
Bid Recommendation
Project No. 21124030

Dear Ms. Ihrig:

Enclosed is a bid tabulation of the two bids received for the subject project at the bid opening at 10:30 am on Thursday, August 4, 2011. We have reviewed these bids and make the following comments and recommendations for your consideration:

1. Civil Contractors provided a 10% Bid Bond in accordance with the Contract Documents. Fischer Excavating provided a check in an amount of only 5% of the bid price. Neither bid was conditional.
2. Both bidders provided the required Bidders Certifications and DBE Utilization Documentation, including certificates of publication. Neither bidder received any proposals from disadvantaged businesses prior to the bid opening. The "Bidder Certification for the Advertisement Regarding Subcontracting Opportunities for Disadvantaged Businesses" submitted by Civil Contractors has the corporate seal omitted. The appropriate signature is provided on this form, however. An executed DBE form submitted with Fischer Excavating bid suggests that no subagreements (including procurement of materials, services, equipment, etc.) will be awarded as part of this project, which is unlikely to occur. However Fischer Excavating submitted additional documentation in support of their DBE utilization efforts. We have reviewed the certifications and documents and concluded that both bids meet the intent of the bidding requirements.
3. The low bid was \$2,367,023.75 from Civil Constructors, Inc. of Freeport, Illinois. The second lowest bid of \$2,475,043.68 was submitted by Fischer Excavating, Inc. of Freeport, Illinois. Both these firms are well known and respected local contractors.
4. The low bidder, Civil Constructors, Inc., has been contacted and is comfortable with their bid.



Ms. Denise B. Ihrig, P.E.
Water and Sewer Commission
City of Freeport
Re: Water System Improvements for New Pressure Zone
Bid Recommendation
Project No. 21124030
August 11, 2011
Page 2

5. The Engineer's Estimate was \$2,144,505.06 and the bid range was \$2,367,023.75 to \$2,475,043.68. The low bid was 10.38% higher than the Engineer's Estimate and 4.36% lower than the second low bid.
6. The low bidder listed \$1.00 as their unit price for a portable sediment containment system, but indicated in conversation that this was what was intended. A review of the 54 individual pay items in the Bid Form did not reveal any obvious major omissions or discrepancies.

Based on the above, RHMG finds Civil Constructors, Inc. to be the low, responsive, responsible bidder. RHMG recommends award of this contract to Civil Constructors, Inc. in the amount of \$2,367,023.75, subject to receipt of a satisfactory loan commitment from the Illinois Environmental Protection Agency.

If you have any questions or comments, please contact either Dave Jaeschke or me at our Mundelein office.

Sincerely yours,

REZEK, HENRY, MEISENHEIMER AND GENDE, INC.

Marcia A. McCutchan, P.E., BCEE
Executive Vice President

MAM/DGJ

Enclosures

BID CHECKLIST

**CITY OF FREEPORT
WATER & SEWER COMMISSION
WATER SYSTEM IMPROVEMENTS FOR NEW PRESSURE ZONE**

PROJECT NO. 21124030

BID DATE: AUGUST 4, 2011

BIDDERS

	Fischer Excavating	Civil Constructors
Responsiveness (Page 00300-1) Acknowledged Addendum No. 1,2 & 3	✓	✓
Proposal Guaranty (10%) Cashier's Ck. Certified Ck. Bid Bond	5% Check	10% Bid Bond
Conditional Bid?	No	No
Proper Signatures (Page 00300-9)	Yes	Yes
Total Bid Price (Page 00300-6)	\$2,475,043.68	\$2,367,023.75
Bidders Certifications (Section 00305)	✓	✓
DBE Utilization Certificate of Publication List of DBE's Submitted proposals Not being utilized Form 6100-2 provided Copies of 6100 forms Certificates of no conflict Certificates of no proposals	✓ Bidder documentation suggests no subagreements will be awarded, including procurement of equipment, materials, services, etc. Other documentation in support of DBE efforts included with bid.	✓ "Bidder Certification for the Advertisement Regarding Subcontracting Opportunities for Disadvantaged Businesses" has corporate seal omitted. Appropriate signature is present.

BID TABULATION
CITY OF FREEPORT
WATER SYSTEM IMPROVEMENTS FOR NEW PRESSURE ZONE
PROJECT 21124030
August 4, 2011

ITEM NO.	UNIT PRICE ITEM	UNIT	NO. OF UNITS	Fischer Excavating			Civil Constructors			Engineer's Estimate	
				PRICE PER UNIT	EXTENSION	Percent of Engineer's Estimate	PRICE PER UNIT	EXTENSION	Percent of Engineer's Estimate	PRICE PER UNIT	EXTENSION
1	Construct Pressure Reducing Station #1 (Willow Site) as Shown on Plans and Described in the Specifications	Each	1	\$87,425.97	\$87,425.97	64%	\$100,000.00	\$100,000.00	73%	\$ 136,357.12	\$ 136,357.12
2	Construct Pressure Reducing Station #2 (Greenfield & Santa Fe) as Shown on Plans and described in the Specifications	Each	1	\$109,331.02	\$109,331.02	89%	\$125,000.00	\$125,000.00	102%	\$ 122,255.04	\$ 122,255.04
3	Construct Pressure Reducing Station #3 (Forest Road) as Shown on Plans and Described in the Specifications	Each	1	\$96,347.81	\$96,347.81	99%	\$100,000.00	\$100,000.00	103%	\$ 97,493.12	\$ 97,493.12
4	Construct Pressure Reducing Station #4 (Demeter & Park) as Shown on Plans and Described in the Specifications	Each	1	\$104,012.24	\$104,012.24	92%	\$115,000.00	\$115,000.00	102%	\$ 112,761.12	\$ 112,761.12
5	Construct Pressure Reducing Station #6 (Burchard & Empire) as Shown on Plans and Described in the Specifications	Each	1	\$101,916.44	\$101,916.44	103%	\$128,000.00	\$128,000.00	129%	\$ 98,881.12	\$ 98,881.12
6	Construct Pressure Reducing Station #7 (Burchard & Tank Site) as Shown on Plans and Described in the Specifications	Each	1	\$125,012.32	\$125,012.32	90%	\$148,000.00	\$148,000.00	106%	\$ 139,133.12	\$ 139,133.12
7	Construct Fire Flow Stations at five (5) sites as Shown on Plans and Described in the Specifications	Each	5	\$65,435.18	\$327,175.90	161%	\$80,000.00	\$400,000.00	197%	\$ 40,585.12	\$ 202,925.60
8	Construct Tank Filling Vault at the Willow Site as Shown on Plans and Described in the Specifications	Each	1	\$48,805.71	\$48,805.71	103%	\$53,000.00	\$53,000.00	112%	\$ 47,469.60	\$ 47,469.60
9	Construct Automatic Flushing Hydrant at the Forest Road Site (Next to PRS #3) as Shown on Plans and Described in the Specifications	Each	1	\$5,507.25	\$5,507.25	17%	\$18,000.00	\$18,000.00	56%	\$ 31,868.48	\$ 31,868.48
10	Install ½-inch Bypass Piping, ½-inch Ball Valve and Valve Box at Existing Buried Isolation Valves Underneath Pavement	Each	14	\$4,147.76	\$58,068.64	57%	\$8,600.00	\$120,400.00	118%	\$ 7,273.12	\$ 101,823.68
11	Install ½-inch Bypass Piping, ½-inch Ball Valve and Valve Box at Existing Buried Isolation Valves Underneath Parkway	Each	8	\$3,848.46	\$30,787.68	65%	\$7,900.00	\$63,200.00	133%	\$ 5,940.64	\$ 47,525.12
12	Install ½-inch Bypass Piping and ½-inch Ball Valve Around Existing Isolation Valve in Existing Manhole at Stover & Stewart	Each	1	\$4,136.48	\$4,136.48	159%	\$1,100.00	\$1,100.00	42%	\$ 2,609.44	\$ 2,609.44
13	Install ½-inch Bypass Piping and ½-inch Ball Valve Around Existing Backflow Preventer in Existing Meter Vault at Concord & Laurel	Each	1	\$4,136.48	\$4,136.48	159%	\$1,100.00	\$1,100.00	42%	\$ 2,609.44	\$ 2,609.44
14	Replace Existing Two (2) Booster Pumps in the Existing Willow Booster Pumping Station with Larger Units as Shown in the Plans and Described in the Specifications	Each	1	\$89,186.00	\$89,186.00	197%	\$77,000.00	\$77,000.00	170%	\$ 45,248.80	\$ 45,248.80
15	Install Piping Modifications Inside Booster Pumping Station Associated with Replacing the Above Booster Pumps as Shown in the Plans and Described in the Specifications	Each	1	\$17,593.00	\$17,593.00	53%	\$24,000.00	\$24,000.00	73%	\$ 33,034.40	\$ 33,034.40
16	Install All Underground Piping and Valves at the Willow Site as Shown in the Plans and Described in the Specifications. This Item Includes Site Restoration and Landscaping Work at the Site	Each	1	\$41,621.17	\$41,621.17	93%	\$30,000.00	\$30,000.00	67%	\$ 44,832.40	\$ 44,832.40

BID TABULATION
CITY OF FREEPORT
WATER SYSTEM IMPROVEMENTS FOR NEW PRESSURE ZONE
PROJECT 21124030
August 4, 2011

ITEM NO.	UNIT PRICE ITEM	UNIT	NO. OF UNITS	Fischer Excavating			Civil Constructors			Engineer's Estimate	
				PRICE PER UNIT	EXTENSION	Percent of Engineer's Estimate	PRICE PER UNIT	EXTENSION	Percent of Engineer's Estimate	PRICE PER UNIT	EXTENSION
17	Install All Electrical Work Associated with the Willow Site as Shown in the Plans and Described in the Specifications	Each	1	\$49,600.00	\$49,600.00	64%	\$49,600.00	\$49,600.00	64%	\$ 77,243.21	\$ 77,243.21
18	8-inch Watermain (Installation by Open Cut Method)	Foot	609	\$79.12	\$48,184.08	96%	\$96.00	\$58,464.00	116%	\$ 82.50	\$ 50,242.50
19	12-inch PVC Watermain DR18 (Installation by Open Cut Method in fine and/or coarse grain soils)	Foot	1,969	\$64.92	\$127,827.48	62%	\$88.00	\$173,272.00	84%	\$ 104.50	\$ 205,760.50
20	12-inch PVC Watermain DR14 (Installation by Horizontal Directional Drilling in fine and/or coarse grain soils)	Foot	958	\$567.68	\$543,837.44	356%	\$250.00	\$239,500.00	157%	\$ 159.50	\$ 152,801.00
21	24-inch Bore and Jack Casing Pipe with 12-inch DR18 Carrier Pipe with Pipe Spacers and Void Filled with Pea Gravel	Foot	68	\$635.81	\$43,235.08	89%	\$500.00	\$34,000.00	70%	\$ 715.00	\$ 48,620.00
22	8-inch Gate Valve with Valve Box	Each	3	\$1,432.81	\$4,298.43	45%	\$2,300.00	\$6,900.00	72%	\$ 3,190.00	\$ 9,570.00
23	12-inch Gate Valve with Valve Box	Each	8	\$2,478.88	\$19,831.04	66%	\$3,400.00	\$27,200.00	91%	\$ 3,740.00	\$ 29,920.00
24	Fire Hydrant with Auxiliary Valve and Box, Including 6-inch Connecting Piping to Main	Each	8	\$4,678.59	\$37,428.72	106%	\$5,500.00	\$44,000.00	125%	\$ 4,400.00	\$ 35,200.00
25	Fire Hydrant and Auxiliary Valve - REMOVAL	Each	2	\$403.89	\$807.78	18%	\$690.00	\$1,380.00	31%	\$ 2,200.00	\$ 4,400.00
26	6-inch Watermain Valve - REMOVE AND PLUG	Each	1	\$406.10	\$406.10	25%	\$720.00	\$720.00	44%	\$ 1,650.00	\$ 1,650.00
27	Watermain Encasement, Including 12-inch Watermain, Loras Drive	Foot	28	\$89.94	\$2,518.32	82%	\$58.00	\$1,624.00	53%	\$ 110.00	\$ 3,080.00
28	Watermain Encasement, Including 12-inch PVC C-900 DR14 Watermain, Krape Park	Foot	22	\$114.48	\$2,518.56	42%	\$72.00	\$1,584.00	26%	\$ 275.00	\$ 6,050.00
29	6-inch PVC Sanitary Service SDR-26	Foot	110	\$60.59	\$6,664.90	157%	\$66.00	\$7,260.00	171%	\$ 38.50	\$ 4,235.00
30	Repair of Existing Sanitary Services at Watermain Crossing	Each	1	\$790.10	\$790.10	261%	\$750.00	\$750.00	248%	\$ 302.50	\$ 302.50
31	1-inch Water Service Reconnection - Near (Type K Copper Tube)	Each	2	\$991.82	\$1,983.64	75%	\$1,700.00	\$3,400.00	129%	\$ 1,320.00	\$ 2,640.00
32	1-inch Water Service Reconnection - Far (Type K Copper Tube)	Each	2	\$2,563.29	\$5,126.58	106%	\$3,100.00	\$6,200.00	128%	\$ 2,420.00	\$ 4,840.00
33	2-inch Type K Copper Pipe, Roundway and Corporation Stop for Pressure Testing	Each	6	\$873.33	\$5,239.98	88%	\$850.00	\$5,100.00	86%	\$ 990.00	\$ 5,940.00
34	1-inch Type K Copper Pipe, Roundway and Corporation Stop for Chlorination Sampling	Each	7	\$408.88	\$2,862.16	93%	\$475.00	\$3,325.00	108%	\$ 440.00	\$ 3,080.00
35	Granular Trench Backfill, FA-2 or FA-21 Sand	Foot	182	\$16.03	\$2,917.46	58%	\$19.00	\$3,458.00	69%	\$ 27.50	\$ 5,005.00
36	Roadway Replacement - 12 inches CA-6 Grade 8, Type A, 1-1/2 inches Hot Mix Asphalt Binder Course, N50, 1-1/2 inches Hot Mix Asphalt Surface Course, N50	Sq. Yd.	193	\$53.54	\$10,333.22	97%	\$86.00	\$16,598.00	156%	\$ 55.00	\$ 10,615.00
37	Roadway Replacement - US 20 - 12 inches CA-6 Grade 8, Type A, 10 inches Hot Mix Asphalt Binder Course, N50, 2 inches Hot Mix Asphalt Surface Course, N50	Sq. Yd.	12	\$53.07	\$636.84	54%	\$470.00	\$5,640.00	475%	\$ 99.00	\$ 1,188.00
38	Portland Cement Concrete Curb and Gutter - Match Existing Profile	Foot	60	\$42.05	\$2,523.00	127%	\$63.00	\$3,780.00	191%	\$ 33.00	\$ 1,980.00
39	Clear and Grub Trees and Bushes, Seed and Blanket as Noted on Drawing 19	Lump Sum	1	\$6,492.84	\$6,492.84	118%	\$12,500.00	\$12,500.00	227%	\$ 5,500.00	\$ 5,500.00
40	Level, Seed and Blanket Spoil Area as Noted on Drawing 19	Lump Sum	1	\$6,726.69	\$6,726.69	61%	\$12,500.00	\$12,500.00	114%	\$ 11,000.00	\$ 11,000.00
41	Silt Fence	Foot	3,110	\$2.09	\$6,499.90	63%	\$1.90	\$5,909.00	58%	\$ 3.30	\$ 10,263.00
42	Curb Bags	Each	4	\$120.88	\$483.52	55%	\$130.00	\$520.00	59%	\$ 220.00	\$ 880.00
43	Portable Sediment Containment System	Lump Sum	1	\$322.34	\$322.34	20%	\$1.00	\$1.00	0%	\$ 1,650.00	\$ 1,650.00
44	Earth Saw Cut of Tree Roots	Foot	280	\$6.33	\$1,772.40	82%	\$1.00	\$280.00	13%	\$ 7.70	\$ 2,156.00
45	Thermoplastic Pavement Marking - 4-inch White	Foot	30	\$59.09	\$1,772.70	1343%	\$16.00	\$480.00	364%	\$ 4.40	\$ 132.00
46	Traffic Control per Specification Section 01000 and as Noted on the Contract Drawings	Lump Sum	1	\$6,446.58	\$6,446.58	59%	\$5,500.00	\$5,500.00	50%	\$ 11,000.00	\$ 11,000.00
47	Dust and Mud Control per Specification Section 01000 and as Directed by the Engineer	Lump Sum	1	\$1,611.63	\$1,611.63	73%	\$1.00	\$1.00	0%	\$ 2,200.00	\$ 2,200.00

BID TABULATION
 CITY OF FREEPORT
 WATER SYSTEM IMPROVEMENTS FOR NEW PRESSURE ZONE
 PROJECT 21124030
 August 4, 2011

ITEM NO.	UNIT PRICE ITEM	UNIT	NO. OF UNITS	Fischer Excavating			Civil Constructors			Engineer's Estimate	
				PRICE PER UNIT	EXTENSION	Percent of Engineer's Estimate	PRICE PER UNIT	EXTENSION	Percent of Engineer's Estimate	PRICE PER UNIT	EXTENSION
48	Landscaping: Seeding, Including 6-inch (Min.) Topsoil and Watering (See Section 02485, 3.04)	Sq. Yd.	4,355	\$12.07	\$52,564.85	219%	\$2.05	\$8,927.75	37%	\$ 5.50	\$ 23,952.50
49	Potholing to Locate Existing Underground Piping, 8-foot Depth Including Vac Truck, Operator and Laborer (at the Direction of the Engineer)	Hour	28	\$532.58	\$14,912.24	97%	\$300.00	\$8,400.00	55%	\$ 550.00	\$ 15,400.00
50	Repair of Existing Watermain Leaks/Breaks Not Caused by Contractor's Negligence	Each	7	\$3,113.24	\$21,792.68	257%	\$1,800.00	\$12,600.00	149%	\$ 1,210.00	\$ 8,470.00
51	Pre-Construction Video	Lump Sum	1	\$617.51	\$617.51	22%	\$600.00	\$600.00	22%	\$ 2,750.00	\$ 2,750.00
52	Record Drawing Information	Lump Sum	1	\$602.08	\$602.08	55%	\$600.00	\$600.00	55%	\$ 1,100.00	\$ 1,100.00
53	12-inch PVC Watermain DR-18 (Installation by open cut method in weathered bedrock)	Foot	135	\$85.62	\$11,558.70	55%	\$190.00	\$25,650.00	121%	\$ 156.75	\$ 21,161.25
54	12-inch PVC Watermain DR-14 (Installation by Horizontal Directional Drilling in weathered bedrock and/or bedrock)	Foot	300	\$567.44	\$170,232.00	178%	\$250.00	\$75,000.00	78%	\$ 319.00	\$ 95,700.00
				\$2,475,043.68			\$2,367,023.75			\$2,144,505.06	

Low bid is 10.38% above the cost estimate.

Low bid is 4.36% below the second lowest bid.