CITY COUNCIL
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SPECIAL CITY COUNCIL AGENDA

February 17, 2015

Mayor
L. Mitch Adams

City Council
Anna Stanton
Brice Mitchell
Mike Petersen
Karen Peterson
Barbara Patterson

I. REGULAR SESSION – 6:00 P.M.

1. Call to Order
2. Pledge of Allegiance
3. Invocation or Thought
4. Roll Call

A. Chlorination Station Bid Award

II. ADJOURN

Dennis W. Cluff
Recorder

If you attend this meeting and, due to a disability, will need assistance in understanding or participating therein, please notify the City at least eight hours prior to the meeting and we will seek to provide assistance. The order of agenda items may be changed or times accelerated as time permits with the exception of public hearing.

CLINTON CITY
COUNCIL AGENDA ITEM

SUBJECT: Chlorination Station, Bid Award	**AGENDA ITEM: F**
PETITIONER: Public Works	**MEETING DATE:** February 17, 2015
RECOMMENDATION: Discuss the bids and award based upon Engineer's recommendation with the caveat awarded pending verification of required contractor's license.	**ROLL CALL VOTE:** **YES X NO**

FISCAL IMPACT:

BACKGROUND:

The City is unable to choose the lowest bidder because the lowest bidder does not hold the proper contractor's license. The type of construction requires an E100 license, Patriot Construction has a B100 licnese. England Construction holds the E100 license.

JUB researched the Mayor's concerns over lag in testing due to the distance from the water source to the testing equipment. By reducing the size of the service lateral to ¼ ", the size of the connection on the testing unit, the lag time is reduced to 2 minutes. JUB has been researching the source for an in line tester that the Mayor found; however the closest local representatives are on the east coast of Canada or Switzerland. Mr. Vacationderson, in Switzerland, is willing to meet with us; Bryce and I are willing to make the trip……we will keep researching. Either way, ¼" lateral or in line tester a manhole will need to be added over the main to either service the tester on the main or to change out the ¼" lateral if it becomes blocked. Manhole cost is $6,700.

Attached is the information related to the construction bid, and equipment bids. England Construction is now considered the low bidder for project construction and Wetco remains the apparent low bidder for the equipment; however we do not have answers concerning lead time and the required size of Booster Pump, we will have them at the meeting.

Construction	167,577.50
Additional Manhole	6,700
Equipment	30,220
RMP	3,000
Telemetering	33,600
Total	$ 241,097.50 a change of $15,312.50 not including any additional cost for an in line tester and infrastructure to support it.
Engineer's Estimate	264,000

ALTERNATIVE ACTIONS:

ATTACHMENTS:

Bid sheet and JUB letter of recommendation.

Clinton City Corporation
Chlorination System Project
J-U-B Project No. 55-14-084
Bid Opening: 2/5/2015

OTHER J-U-B COMPANIES

Item	Description	Unit	Quantity	Patriot Construction		England Construction		Counterpoint Construction	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Mobilization and demobilization	LS	1	$ 4,432.00	$ 4,432.00	$ 5,500.00	$ 5,500.00	$ 27,805.00	$ 27,805.00
2	Site work	LS	1	$ 2,044.00	$ 2,044.00	$ 4,600.00	$ 4,600.00	$ 1,007.00	$ 1,007.00
3	Furnish and install 72" manhole on existing 20" waterline	LS	1	$ 7,475.00	$ 7,475.00	$ 6,500.00	$ 6,500.00	$ 5,181.00	$ 5,181.00
4	Directional bore 6" HDPE conduit sleeve and conduits	LF	90	$ 95.00	$ 8,550.00	$ 80.00	$ 7,200.00	$ 42.70	$ 3,843.00
5	Install owner supplied flowmeter	LS	1	$ 1,380.00	$ 1,380.00	$ 3,500.00	$ 3,500.00	$ 838.00	$ 838.00
6	Furnish and install corporation stop on 20" waterline and lateral to well house	LS	1	$ 5,290.00	$ 5,290.00	$ 4,500.00	$ 4,500.00	$ 2,515.00	$ 2,515.00
7	Mechanical piping modifications	LS	1	$ 1,035.00	$ 1,035.00	$ 5,500.00	$ 5,500.00	$ 3,354.00	$ 3,354.00
8	Well house structural addition and modifications	LS	1	$ 33,337.00	$ 33,337.00	$ 37,000.00	$ 37,000.00	$ 39,073.00	$ 39,073.00
9	Electrical service entrance, electrical and control equipment and appurtenances	LS	1	$ 77,885.00	$ 77,885.00	$ 69,000.00	$ 69,000.00	$ 70,105.00	$ 70,105.00
10	Install owner supplied chlorine gas system equipment and appurtenances - well house	LS	1	$ 6,808.00	$ 6,808.00	$ 6,500.00	$ 6,500.00	$ 7,246.00	$ 7,246.00
11	Install owner supplied chlorine residual equipment and appurtenances - lift station	LS	1	$ 1,334.00	$ 1,334.00	$ 1,800.00	$ 1,800.00	$ 1,920.00	$ 1,920.00
12	Saw cut asphalt	LF	125	$ 2.30	$ 287.50	$ 1.50	$ 187.50	$ 2.00	$ 250.00
13	UDOT trench repair	SF	230	$ 15.50	$ 3,565.00	$ 13.00	$ 2,990.00	$ 10.50	$ 2,415.00
14	Type A2 imported foundation material	TON	5	$ 31.00	$ 155.00	$ 38.00	$ 190.00	$ 22.00	$ 110.00
15	Type A3 imported backfill material	TON	5	$ 29.00	$ 145.00	$ 38.00	$ 190.00	$ 20.00	$ 100.00
16	Type A4 imported bedding material	TON	15	$ 18.50	$ 277.50	$ 40.00	$ 600.00	$ 21.00	$ 315.00
17	Concrete grout (flowable fill)	CY	10	$ 155.00	$ 1,550.00	$ 92.00	$ 920.00	$ 123.30	$ 1,233.00
18	Traffic control	LS	1	$ 1,840.00	$ 1,840.00	$ 3,600.00	$ 3,600.00	$ 873.00	$ 873.00
19	Final site grading and restoration	LS	1	$ 575.00	$ 575.00	$ 1,800.00	$ 1,800.00	$ 1,386.00	$ 1,386.00
20	Startup and commissioning	LS	1	$ 1,000.00	$ 1,000.00	$ 5,500.00	$ 5,500.00	$ 2,273.00	$ 2,273.00
	Subtotal				$ 158,965.00		$ 167,577.50		$ 171,842.00

Clinton City Corporation
Chlorination System Project
J-U-B Project No. 55-14-084
Bid Opening: 2/5/2015

OTHER J-U-B COMPANIES

Item	Description	Unit	Quantity	Tekko Enterprises		Whitaker Construction		Grand Enterprises	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Mobilization and demobilization	LS	1	$ 14,041.00	$ 14,041.00	$ 19,500.00	$ 19,500.00	$ 2,500.00	$ 2,500.00
2	Site work	LS	1	$ 6,403.00	$ 6,403.00	$ 1,160.00	$ 1,160.00	$ 5,056.00	$ 5,056.00
3	Furnish and install 72" manhole on existing 20" waterline	LS	1	$ 4,160.00	$ 4,160.00	$ 4,530.00	$ 4,530.00	$ 5,071.00	$ 5,071.00
4	Directional bore 6" HDPE conduit sleeve and conduits	LF	90	$ 75.00	$ 6,750.00	$ 46.00	$ 4,140.00	$ 88.11	$ 7,929.90
5	Install owner supplied flowmeter	LS	1	$ 1,890.00	$ 1,890.00	$ 3,800.00	$ 3,800.00	$ 2,419.00	$ 2,419.00
6	Furnish and install corporation stop on 20" waterline and lateral to well house	LS	1	$ 3,902.00	$ 3,902.00	$ 900.00	$ 900.00	$ 4,995.00	$ 4,995.00
7	Mechanical piping modifications	LS	1	$ 13,101.00	$ 13,101.00	$ 4,020.00	$ 4,020.00	$ 16,769.00	$ 16,769.00
8	Well house structural addition and modifications	LS	1	$ 29,221.00	$ 29,221.00	$ 33,300.00	$ 33,300.00	$ 50,402.00	$ 50,402.00
9	Electrical service entrance, electrical and control equipment and appurtenances	LS	1	$ 70,527.00	$ 70,527.00	$ 78,500.00	$ 78,500.00	$ 78,563.00	$ 78,563.00
10	Install owner supplied chlorine gas system equipment and appurtenances - well house	LS	1	$ 6,741.00	$ 6,741.00	$ 5,850.00	$ 5,850.00	$ 7,518.00	$ 7,518.00
11	Install owner supplied chlorine residual equipment and appurtenances - lift station	LS	1	$ 1,218.00	$ 1,218.00	$ 1,950.00	$ 1,950.00	$ 1,485.00	$ 1,485.00
12	Saw cut asphalt	LF	125	$ 3.00	$ 375.00	$ 3.00	$ 375.00	$ 6.00	$ 750.00
13	UDOT trench repair	SF	230	$ 11.00	$ 2,530.00	$ 15.00	$ 3,450.00		$ -
14	Type A2 imported foundation material	TON	5	$ 233.00	$ 1,165.00	$ 20.00	$ 100.00	$ 55.00	$ 275.00
15	Type A3 imported backfill material	TON	5	$ 228.00	$ 1,140.00	$ 20.00	$ 100.00	$ 55.00	$ 275.00
16	Type A4 imported bedding material	TON	15	$ 213.00	$ 3,195.00	$ 15.00	$ 225.00	$ 55.00	$ 825.00
17	Concrete grout (flowable fill)	CY	10	$ 94.00	$ 940.00	$ 125.00	$ 1,250.00	$ 135.00	$ 1,350.00
18	Traffic control	LS	1	$ 4,746.00	$ 4,746.00	$ 6,310.00	$ 6,310.00	$ 9,450.00	$ 9,450.00
19	Final site grading and restoration	LS	1	$ 1,401.00	$ 1,401.00	$ 3,580.00	$ 3,580.00	$ 2,500.00	$ 2,500.00
20	Startup and commissioning	LS	1	$ 997.00	$ 997.00	$ 1,950.00	$ 1,950.00	$ 6,500.00	$ 6,500.00
	Subtotal				$ 174,443.00		$ 174,990.00		$ 204,632.90

Clinton City Corporation
Chlorination System Project
J-U-B Project No. 55-14-084
Bid Opening: 2/5/2015

Item	Description	Unit	Quantity	Spindler Construction		Hills Construction		Absolute Construction	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Mobilization and demobilization	LS	1	$ 3,500.00	$ 3,500.00	$ 37,000.00	$ 37,000.00	$ 32,000.00	$ 32,000.00
2	Site work	LS	1	$ 12,500.00	$ 12,500.00	$ 3,000.00	$ 3,000.00	$ 11,000.00	$ 11,000.00
3	Furnish and install 72" manhole on existing 20" waterline	LS	1	$ 7,800.00	$ 7,800.00	$ 4,000.00	$ 4,000.00	$ 14,650.00	$ 14,650.00
4	Directional bore 6" HDPE conduit sleeve and conduits	LF	90	$ 145.00	$ 13,050.00	$ 120.00	$ 10,800.00	$ 210.00	$ 18,900.00
5	Install owner supplied flowmeter	LS	1	$ 6,700.00	$ 6,700.00	$ 800.00	$ 800.00	$ 600.00	$ 600.00
6	Furnish and install corporation stop on 20" waterline and lateral to well house	LS	1	$ 5,500.00	$ 5,500.00	$ 6,000.00	$ 6,000.00	$ 7,600.00	$ 7,600.00
7	Mechanical piping modifications	LS	1	$ 14,500.00	$ 14,500.00	$ 1,800.00	$ 1,800.00	$ 11,000.00	$ 11,000.00
8	Well house structural addition and modifications	LS	1	$ 61,182.00	$ 61,182.00	$ 59,000.00	$ 59,000.00	$ 30,000.00	$ 30,000.00
9	Electrical service entrance, electrical and control equipment and appurtenances	LS	1	$ 74,000.00	$ 74,000.00	$ 67,000.00	$ 67,000.00	$ 74,000.00	$ 74,000.00
10	Install owner supplied chlorine gas system equipment and appurtenances - well house	LS	1	$ 6,500.00	$ 6,500.00	$ 5,300.00	$ 5,300.00	$ 7,000.00	$ 7,000.00
11	Install owner supplied chlorine residual equipment and appurtenances - lift station	LS	1	$ 1,600.00	$ 1,600.00	$ 3,300.00	$ 3,300.00	$ 1,300.00	$ 1,300.00
12	Saw cut asphalt	LF	125	$ 3.00	$ 375.00	$ 12.00	$ 1,500.00	$ 4.00	$ 500.00
13	UDOT trench repair	SF	230	$ 12.60	$ 2,898.00	$ 20.00	$ 4,600.00	$ 12.00	$ 2,760.00
14	Type A2 imported foundation material	TON	5	$ 22.00	$ 110.00	$ 200.00	$ 1,000.00	$ 50.00	$ 250.00
15	Type A3 imported backfill material	TON	5	$ 22.00	$ 110.00	$ 200.00	$ 1,000.00	$ 50.00	$ 250.00
16	Type A4 imported bedding material	TON	15	$ 25.00	$ 375.00	$ 135.00	$ 2,025.00	$ 50.00	$ 750.00
17	Concrete grout (flowable fill)	CY	10	$ 110.00	$ 1,100.00	$ 150.00	$ 1,500.00	$ 172.00	$ 1,720.00
18	Traffic control	LS	1	$ 6,500.00	$ 6,500.00	$ 6,000.00	$ 6,000.00	$ 4,200.00	$ 4,200.00
19	Final site grading and restoration	LS	1	$ 1,400.00	$ 1,400.00	$ 3,000.00	$ 3,000.00	$ 11,000.00	$ 11,000.00
20	Startup and commissioning	LS	1	$ 800.00	$ 800.00	$ 2,000.00	$ 2,000.00	$ 600.00	$ 600.00
	Subtotal				$ 220,500.00		$ 220,625.00		$ 230,080.00

J-U-B ENGINEERS, INC.

J-U-B COMPANIES | THE LANGDON GROUP | GATEWAY MAPPING INC.

MEMORANDUM

DATE: 4 February 2015

TO: Mike Child

CC: Lynn Vinzant, Bryce Wilcox

FROM: Brandon Nielsen

SUBJECT: Chlorination Equipment Evaluation

The Clinton City Chlorination System Project will provide the ability to augment the chlorine residual level in water from the city well and in the main 20" feed line in 1800 North. The chlorination equipment is a vital part to the project purpose.

It was determined that the City would directly purchase the key chlorination equipment during initial project development discussions with public works staff. Considerations in this decision included schedule, avoiding contractor markup on equipment, and the ability to have direction in the equipment selection.

Our office then entered discussions with Waterford Systems, a chlorine gas equipment supplier, as to the project background, purpose, available equipment, options and product applicability. Specific equipment and options were selected and quotes were received and revised.

Subsequent direction from the City indicated the desire to obtain a quote for similar products from at least one other supplier. A quote was obtained from a second supplier, Wetco. Waterford Systems was then given opportunity to revise their quote. Neither supplier was privy to the quote of the other.

Our office has conducted a review of the proposed equipment from each supplier. Both sets of equipment will serve the intended purpose. However, there are some notable differences in the equipment proposed (see accompanying spreadsheet).

We have previous experience with both chlorine equipment suppliers and their products. Some owners have standardized on one manufacturer, while another prefers the other equipment because of the local product representative.

The difference in cost between the two suppliers is $5,523, or 16% of the total cost of the equipment considered, due in part to variances in options selected.

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Our recommendation is to use the equipment supplied by Waterford Systems. The basis for this recommendation includes:

1. While not a fault of Wetco's, Waterford Systems has been a party to more frequent and in-depth discussions regarding the project background, purpose, and available options.

2. The differences in proposed equipment and the importance of such equipment to fulfill the purposes of the project.

3. Feedback and track record of the equipment from other respected municipalities and districts.

10-Feb-15

			Quote		Difference
			$33,443	$30,220	$3,223
			Waterford	Wetco	
Item	Description	Qty	Proposed Equipment	Proposed Equipment	Notes
1	Manual CL gas feed system (well)	1	Evoqua S10K with 5" 10 ppd rotameter	Regal 216 with 5" 10 ppd rotameter	Approximately same rotameter size
2	Automatic CL gas feed system (transmission line) with compound loop control	1	Evoqua S10K with 5" 20 ppd rotameter	Regal 216 with 5" 25 ppd rotameter	Approximately same rotameter size
3	Chlorine residual analyzer	2	Depolox 3+	Hach CLF10	These are both reagentless units. A reagent unit would cost ~ $1,300 less. Reagents would require monthly replacements at $50/month
4	Dual point chlroine gas detector with battery backup	2	Acutec 35	Regal 3002-E	Both units have auto-test capability
5	Dual chlorine cylinder scale	2	Force Flow GR150-2	Scaletron 2350	Force Flow has 2 line LCD display. Scaletron is 1 line. Same warranty for both
6	Booster pump	2	Grundfos CR1-13	Grundfos CR1-4	Performance and cost difference remains between these two pump models