

# CLINTON CITY COUNCIL AGENDA ITEM

<b>SUBJECT:</b> Chlorination Station, Bid Award	<b>AGENDA ITEM: F</b>												
<b>PETITIONER:</b> Public Works	<b>MEETING DATE:</b> February 10, 2015												
<b>RECOMMENDATION:</b> Discuss the bids and award based upon Engineer's recommendation with the caveat awarded pending verification of required contractor's license.	<b>ROLL CALL VOTE:</b> <b>YES            X NO</b>												
<b>FISCAL IMPACT:</b>													
<p><b>BACKGROUND:</b> Attached is the information related to the construction bid, and equipment bids. Patriot Construction is the apparent low bidder for project construction and Wetco is apparent low bidder for the equipment. In addition these two items there will be expensed for Rocky Mountain Power \$3,000 and modifications to the Telemetering program that the city currently has \$ 33,600 we want to use the same telemetering equipment we already have so a sole source approval is needed for this portion.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Construction</td> <td style="width: 10%;">158,965</td> </tr> <tr> <td>Equipment</td> <td>30,220</td> </tr> <tr> <td>RMP</td> <td>3,000</td> </tr> <tr> <td>Telemetering</td> <td>33,600</td> </tr> <tr> <td> Total</td> <td> 225,785</td> </tr> <tr> <td> Engineer's Estimate</td> <td> 264,000</td> </tr> </table> <p>There will be a discussion related to the equipment choice, Waterford or Wetco. We only got two bids for the equipment items.</p> <p>NOTE: We received a phone call from the #3 bidder, for the construction phase, stating that Patriot Construction does not have the required contractor's license. Patriot Construction has completed the required information and indicated that they have a valid contractor's license. We received the complaint after 5 p.m. this evening and it is not possible to contact DOPL until morning. Recommend that the award be contingent upon verification of appropriate contractor's license.</p>		Construction	158,965	Equipment	30,220	RMP	3,000	Telemetering	33,600	 Total	 225,785	 Engineer's Estimate	 264,000
Construction	158,965												
Equipment	30,220												
RMP	3,000												
Telemetering	33,600												
 Total	 225,785												
 Engineer's Estimate	 264,000												
<b>ALTERNATIVE ACTIONS:</b>													
<b>ATTACHMENTS:</b> Bid sheet and JUB letter of recommendation.													
<b>REFERENCED DOCUMENTS:</b>													

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



OTHER-JOB 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	\$ 167,577.50	\$ 171,842.00	\$ 171,842.00

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



OTHER JOB COMPANIES

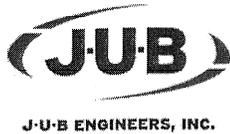
Item	Description	Unit	Quantity	Tekko Enterprises		Whitaker Construction		Grand Enterprises	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Mobilization and demobilization	LS	1	\$ 14,041.00	\$ 14,041.00	\$ 19,500.00	\$ 19,500.00	\$ 2,500.00	\$ 2,500.00
2	Site work	LS	1	\$ 6,403.00	\$ 6,403.00	\$ 1,150.00	\$ 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



OTHER JUB COMPANIES

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 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.

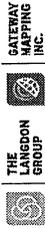
The difference in cost between the two suppliers is \$5,523, or 16% of the total cost of the equipment considered, due in part to variances in options selected.

\\\\kays\public\Projects\JUB\CLINTON\55-14-084 Clinton Chlorination System\Text\Correspondence\Memo\Chlorination equipment memo 2-

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



OTHER JUB COMPANIES

Item	Description	Qty	Quote		Difference
			Waterford	Wetco	
			\$33,443	\$30,220	\$3,223
			Proposed Equipment	Proposed Equipment	
1	Manual CL gas feed system (well)	1	Evoqua S10K with 5" 10 ppd rotameter	Regal 216 with 5" 10 ppd rotameter	Notes 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 chlorine 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	Scalettron 2350	Force Flow has 2 line LCD display. Scalettron 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