



Waukesha Water Utility

SERVING WAUKESHA SINCE 1886

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MEMORANDUM

DATE: June 6, 2019

TO: Dan Duchniak, P.E.

FROM: Chris Walter, P.E.

RE: Change Order on Greenmeadow Project

As part of the City's ongoing Greenmeadow Sanitary Sewer Interceptor project, the Water Utility is doing about \$562,000 of water main improvements. The \$18.5M project was bid in June 2018 and sewer work began in late summer. Initially, only minor water main improvements were planned to be part of the project, however during design it was determined that the Water Utility would be responsible for substantial relocation costs due to proposed storm sewer work on the project. You may recall that per City ordinance, the City can charge WWU for moving facilities due to roadway or storm sewer work, but not for sanitary work.

As a result, and due to the fact that water main construction would not begin until 2019, we increased the water main scope and expedited a design to include with the June 2018 bid. At the time of bidding, a detailed water main design was not fully complete – only a 60% design and estimated quantities. Rather than bid water main work as a separate project, it was advantageous to include it in the bid for the larger project and allow it to be all completed by one contractor.

In December 2018, a detailed water main design was completed and provided to the contractor. However, there is one area of the project where additional unforeseen materials and work was required. Specifically, significant adjustments to the connections we needed to make at Greenmeadow and Lindbergh adjacent to Well #3. The additional work was completed on a time & material cost basis and invoiced as a change order. We worked closely with the contractor to ensure this adjustment was the most feasible and economical alternative.

Recommended Motion: Move to approve the change order on the Greenmeadow Water Main Improvement project for additional water main work in the amount of \$42,137.51 to Super Excavators.

Waukesha Greenmeadow - Lindbergh/Well house Cut in Tees and Offset Installations

		Daily Hours					Sum	MU %	Total Cost
		4/30/2019	5/2/2019	5/3/2019	5/3/2019	5/14/2019			
	Hourly Rate								
Equipment (Bluebook Rates)									
cat 938	\$ 74.82	7.5	6.5	4.5		4	22.5	1	\$ 1,683.45
case 721	\$ 70.29						0	1	\$ -
link 160	\$ 83.97						0	1	\$ -
Kobelco SK140	\$ 77.42			4.5	9.5	4.5	18.5	1	\$ 1,432.27
Link Belt 225	\$ 106.99						0	1	\$ -
Cat 336	\$ 140.86						0	1	\$ -
Cat 328	\$ 134.69						0	1	\$ -
Cat 320	\$ 92.01						0	1	\$ -
Cat 314	\$ 75.88						0	1	\$ -
Takeuchi 285 Mini Ex	\$ 48.43	7.5	6.5	9		8.5	31.5	1	\$ 1,525.55
Kobelco SK500	\$ 180.86						0	1	\$ -
On Highway Quad Axle Dump Truck	\$ 71.22						0	1	\$ -
Volvo MC110	\$ 33.63						0	1	\$ -
56 KW Generator	\$ 11.94						0	1	\$ -
300 CFM compressor	\$ 29.55						0	1	\$ -
3" flygt Pump	\$ 5.00						0	1	\$ -
Foreman Truck	\$ 19.10						0	1	\$ -
Labor									
foreman RT	\$ 106.29	8	7	8	4.5	8	35.5	1	\$ 3,773.30
foreman OT	\$ 130.64			2		1	3	1	\$ 391.92
laborer RT	\$ 93.84	7.5	6.5	8	16	8	46	1	\$ 4,316.64
laborer OT	\$ 112.67			1.5	3		4.5	1	\$ 507.02
pipelayer RT	\$ 102.93	7.5	6.5	8	8	8	38	1	\$ 3,911.34
pipelayer OT	\$ 125.79			1.5	1.5		3	1	\$ 377.37
operator RT	\$ 109.82	16	13	8	8	16	61	1	\$ 6,699.02
operator OT	\$ 136.43			1.5	1.5	1	4	1	\$ 545.72
Truck Driver RT (Super Ex)	\$ 99.21						0	1	\$ -
Truck Driver OT (Super Ex)	\$ 117.79						0	1	\$ -
							0		\$ -
							0		\$ -
							0		\$ -
Trucking							0		\$ -
rental trk	\$ 100.00	16	6.5				22.5	1.15	\$ 2,587.50
rental trk	\$ 100.00						0	1.15	\$ -
rental trk	\$ 100.00						0	1.15	\$ -
							0		\$ -
Materials									
Description	Unit Price	4/30/2019	5/2/2019	5/3/2019	5/3/2019	5/14/2019	Sum	MU	Total
12" SDR35	\$14	10					10	1.15	\$ 161.00
12" Ferncos	\$ 42.74	2					2	1.15	\$ 98.30
20"x12" Tee	\$ 2,135.00			1			1	1.15	\$ 2,455.25
20" Sleeve	\$ 1,019.00			1			1	1.15	\$ 1,171.85
20" DI Pipe	\$ 66.00			4	8		12	1.15	\$ 910.80
20" Megalugs	\$ 260.00			4	2		6	1.15	\$ 1,794.00
12" 45s	\$ 349.00			3			3	1.15	\$ 1,204.05
12" GV	\$ 1,685.00			1			1	1.15	\$ 1,937.75
12" C900	\$ 14.50			16			16	1.15	\$ 266.80
12" Megalugs	\$ 65.00			9			9	1.15	\$ 672.75
Valve Box, complete (3 pc + adapter)	\$ 320.00			1			1	1.15	\$ 368.00
20" BFV	Bid Item						0	1.15	
20x8 Tee	\$ 1,560.00				1		1	1.15	\$ 1,794.00
8" 45s	\$ 128.00					4	4	1.15	\$ 588.80
8" C900	\$ 6.85					26	26	1.15	\$ 204.82
8" Megalug	\$ 56.00					9	9	1.15	\$ 579.60</