

**Memorandum
Public Works Department**



To: City Manager
Subject: 13th Street Watermain: 5th Avenue to 7th Avenue, Project 2678
Date: August 5, 2014
Number: 2014-165

The Engineering Division opened bids for the above referenced project on Tuesday, August 5, 2014. A copy of the bid tabulation is attached.

The invitation to bid was advertised in the Rock Island Argus on July 22, 2014 and July 23, 2014 and was also posted on the City website. The following contractors were contacted:

Langman Construction	Brandt Construction
Laud Construction	Miller Trucking & Excavating
Valley Construction	

The base low bid is from Langman Construction, in the amount of \$213,979.93, which is below the engineer's estimate of \$216,916.00.

Recommendation

It is recommended that the City Council award the bid to Langman Construction, in the amount of \$213,979.93.

Vendor: Langman Construction
Contract Amount: \$213,979.93

Accounts Chargeable:

Fund:	501	Water Operation & Maintenance
Division:	619	Utilities Maintenance
Cost Center:	356	Water Distribution Maintenance
Object Class:	56310	Water System Improvements
Project:	2678	13 th Street Watermain: 5 th Avenue to 7 th Avenue

Requisition Number: R004776

Submitted by: Randall D. Tweet, Public Works Director
Michael J. Kane, P.E., City Engineer

Approved by: Thomas Thomas, City Manager

CITY OF ROCK ISLAND

Public Works Department - Engineering Division

Bid Tabulation Sheet
13th Street Water Main, Between 5th and 6th Avenues, 2014
 City Job No. 2678

Bid Date: August 5, 2014, 9:00 AM

Base Bid

Item No.	Item Description	Plan Quantity	Units	Engineer's Estimate		Miller Trucking		Langman Const., Inc.		Brandt Const. Co.		Valley Const.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Mobilization	1	L.S.	\$25,000.00	\$25,000.00	\$9,000.00	\$9,000.00	\$25,000.00	\$25,000.00	\$15,000.00	\$15,000.00	\$16,800.00	\$16,800.00
2	Clearing and Grubbing, Site Preparation	1	L.S.	\$8,000.00	\$8,000.00	\$12,650.00	\$12,650.00	\$5,000.00	\$5,000.00	\$2,200.00	\$2,200.00	\$1,500.00	\$1,500.00
3	Pavement Removal	163	S.Y.	\$12.00	\$1,956.00	\$14.00	\$2,282.00	\$10.00	\$1,630.00	\$15.00	\$2,445.00	\$32.00	\$5,216.00
4	Sidewalk Removal	310	S.F.	\$3.00	\$930.00	\$3.50	\$1,085.00	\$1.00	\$310.00	\$3.50	\$1,085.00	\$2.00	\$620.00
5	Combination Curb & Gutter Removal	110	L.F.	\$8.00	\$880.00	\$12.00	\$1,320.00	\$5.00	\$550.00	\$14.00	\$1,540.00	\$6.00	\$660.00
6	Earth Excavation	893	C.Y.	\$15.00	\$13,395.00	\$20.00	\$17,860.00	\$0.01	\$8.93	\$10.00	\$8,930.00	\$0.10	\$89.30
7	Geotechnical Fabric for Ground Stabilization	50	S.Y.	\$7.50	\$375.00	\$2.00	\$100.00	\$10.00	\$500.00	\$4.00	\$200.00	\$2.00	\$100.00
8	Aggregate Base Course, 9" Type A	90	S.Y.	\$12.00	\$1,080.00	\$9.00	\$810.00	\$10.00	\$900.00	\$21.50	\$1,935.00	\$20.00	\$1,800.00
9	Temporary Aggregate Surfacing, 6"	90	S.Y.	\$8.00	\$720.00	\$8.00	\$720.00	\$5.00	\$450.00	\$16.00	\$1,440.00	\$8.00	\$720.00
10	Portland Cement Concrete, Pedestrian Curb Ramp, 6"	75	S.F.	\$20.00	\$1,500.00	\$24.00	\$1,800.00	\$25.00	\$1,875.00	\$25.50	\$1,912.50	\$30.00	\$2,250.00
11	Portland Cement Concrete Sidewalk, 4"	210	S.F.	\$6.00	\$1,260.00	\$10.00	\$2,100.00	\$8.00	\$1,680.00	\$10.50	\$2,205.00	\$12.00	\$2,520.00
12	Combination Concrete Curb & Gutter	110	L.F.	\$25.00	\$2,750.00	\$46.00	\$5,060.00	\$35.00	\$3,850.00	\$49.50	\$5,445.00	\$42.00	\$4,620.00
13	HMA Binder Course, 2"	90	S.Y.	\$25.00	\$2,250.00	\$32.00	\$2,880.00	\$28.00	\$2,520.00	\$23.00	\$2,070.00	\$30.00	\$2,700.00
14	HMA Surface Course, 2"	90	S.Y.	\$15.00	\$1,350.00	\$32.00	\$2,880.00	\$28.00	\$2,520.00	\$23.00	\$2,070.00	\$30.00	\$2,700.00
15	Catch Basin, Remove and Replace Frame and Grate	1	Each	\$1,500.00	\$1,500.00	\$700.00	\$700.00	\$650.00	\$650.00	\$2,800.00	\$2,800.00	\$840.00	\$840.00
16	Storm Sewer, 18" Pressure Class Pipe	20	L.F.	\$55.00	\$1,100.00	\$450.00	\$9,000.00	\$100.00	\$2,000.00	\$285.00	\$5,700.00	\$240.00	\$4,800.00
17	Storm Sewer, 12" Pressure Class Pipe	40	L.F.	\$40.00	\$1,600.00	\$300.00	\$12,000.00	\$50.00	\$2,000.00	\$105.00	\$4,200.00	\$95.00	\$3,800.00
18	Seeding, Fertilizing, and Erosion Control Blanket	80	S.Y.	\$7.00	\$560.00	\$6.00	\$480.00	\$5.00	\$400.00	\$4.50	\$360.00	\$3.00	\$240.00
19	Sodding	80	S.Y.	\$20.00	\$1,600.00	\$15.00	\$1,200.00	\$8.00	\$640.00	\$17.00	\$1,360.00	\$10.00	\$800.00
20	Inlet and Pipe Protection	1	L.S.	\$1,000.00	\$1,000.00	\$2,500.00	\$2,500.00	\$200.00	\$200.00	\$1,500.00	\$1,500.00	\$700.00	\$700.00
21	Traffic Control and Protection	1	L.S.	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$2,000.00	\$2,000.00	\$3,000.00	\$3,000.00	\$4,400.00	\$4,400.00
22	Water Main, PVC, DR-14, 8"	922	FT.	\$55.00	\$50,710.00	\$92.00	\$84,824.00	\$100.00	\$92,200.00	\$70.00	\$64,540.00	\$69.00	\$63,618.00
23	Water Main, PVC, DR-14, 6"	35	FT.	\$50.00	\$1,750.00	\$200.00	\$7,000.00	\$85.00	\$2,975.00	\$94.00	\$3,290.00	\$160.00	\$5,600.00
24	Water Main, PVC, DR-14, 4"	13	FT.	\$50.00	\$650.00	\$250.00	\$3,250.00	\$80.00	\$1,040.00	\$95.00	\$1,235.00	\$140.00	\$1,820.00
25	Gate Valve and Box, 8"	6	Each	\$1,500.00	\$9,000.00	\$1,425.00	\$8,550.00	\$1,200.00	\$7,200.00	\$1,800.00	\$10,800.00	\$1,300.00	\$7,800.00
26	Gate Valve and Box, 6"	3	Each	\$1,000.00	\$3,000.00	\$800.00	\$2,400.00	\$900.00	\$2,700.00	\$1,300.00	\$3,900.00	\$950.00	\$2,850.00
27	Gate Valve and Box, 4"	1	Each	\$1,000.00	\$1,000.00	\$800.00	\$800.00	\$800.00	\$800.00	\$1,200.00	\$1,200.00	\$750.00	\$750.00
28	Fire Hydrant, Removal	2	Each	\$750.00	\$1,500.00	\$1,000.00	\$2,000.00	\$500.00	\$1,000.00	\$500.00	\$1,000.00	\$800.00	\$1,600.00
29	Fire Hydrant	2	Each	\$3,500.00	\$7,000.00	\$4,000.00	\$8,000.00	\$3,000.00	\$6,000.00	\$4,650.00	\$9,300.00	\$4,100.00	\$8,200.00
30	Bend, Class 350, DIP, MJ, 8" 11.25°, Vertical, Restrained Joint	2	Each	\$400.00	\$800.00	\$300.00	\$600.00	\$200.00	\$400.00	\$560.00	\$1,120.00	\$280.00	\$560.00
31	Bend, Class 350, DIP, MJ, 8" 22.5°, Vertical, Restrained Joint	4	Each	\$400.00	\$1,600.00	\$300.00	\$1,200.00	\$200.00	\$800.00	\$560.00	\$2,240.00	\$280.00	\$1,120.00
32	Bend, Class 350, DIP, MJ, 8" 22.5°, Horizontal, Restrained Joint	2	Each	\$400.00	\$800.00	\$300.00	\$600.00	\$200.00	\$400.00	\$560.00	\$1,120.00	\$280.00	\$560.00
33	Bend, Class 350, DIP, MJ, 8" 45°, Horizontal, Restrained Joint	8	Each	\$400.00	\$3,200.00	\$300.00	\$2,400.00	\$200.00	\$1,600.00	\$560.00	\$4,480.00	\$280.00	\$2,240.00

Bid Tabulation Sheet
13th Street Water Main, Between 5th and 6th Avenues, 2014
City Job No. 2678

Bid Date: August 5, 2014, 9:00 AM

<i>Engineer's Estimate</i> <i>Missman, Inc.</i> <i>Rock Island, IL</i>	<i>Miller Trucking</i> <i>3303 John Deere Rd</i> <i>Silvis, IL</i>	<i>Langman Const., Inc.</i> <i>220-34th Avenue</i> <i>Rock Island, IL</i>	<i>Brandt Const. Co.</i> <i>700-4th St. W.</i> <i>Milan, IL</i>	<i>Valley Const.</i> <i>3610-78th Avenue West</i> <i>Rock Island, IL</i>
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Base Bid

Item No.	Item Description	Plan Quantity	Units	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
34	Bend, Class 350, DIP, MJ, 4" 90°, Horizontal, Restrained Joint	1	Each	\$400.00	\$400.00	\$300.00	\$300.00	\$150.00	\$150.00	\$460.00	\$460.00	\$180.00	\$180.00
35	Tee, Class 350, DIP, MJ, 10"x10"x8"	1	Each	\$600.00	\$600.00	\$550.00	\$550.00	\$575.00	\$575.00	\$1,015.00	\$1,015.00	\$500.00	\$500.00
36	Tee, Class 350, DIP, MJ, 8"x8"x8"	2	Each	\$600.00	\$1,200.00	\$400.00	\$800.00	\$400.00	\$800.00	\$865.00	\$1,730.00	\$450.00	\$900.00
37	Tee, Class 350, DIP, MJ, 8"x8"x6"	5	Each	\$600.00	\$3,000.00	\$400.00	\$2,000.00	\$400.00	\$2,000.00	\$815.00	\$4,075.00	\$450.00	\$2,250.00
38	Tee, Class 350, DIP, MJ, 6"x6"x4"	1	Each	\$600.00	\$600.00	\$300.00	\$300.00	\$350.00	\$350.00	\$725.00	\$725.00	\$320.00	\$320.00
39	Reducer, Class 350, DIP, MJ, 8" x 6" (not needed if Alt #1 is selected)	1	Each	\$500.00	\$500.00	\$300.00	\$300.00	\$50.00	\$50.00	\$485.00	\$485.00	\$220.00	\$220.00
40	End Cap, Class 350, DIP, MJ, 10"	2	Each	\$300.00	\$600.00	\$300.00	\$600.00	\$150.00	\$300.00	\$485.00	\$970.00	\$240.00	\$480.00
41	End Cap, Class 350, DIP, MJ, 6"	1	Each	\$300.00	\$300.00	\$300.00	\$300.00	\$100.00	\$100.00	\$375.00	\$375.00	\$120.00	\$120.00
42	End Cap, Class 350, DIP, MJ, 4"	1	Each	\$300.00	\$300.00	\$300.00	\$300.00	\$100.00	\$100.00	\$350.00	\$350.00	\$120.00	\$120.00
43	Casing Pipe, Steel, 16"	112	FT.	\$100.00	\$11,200.00	\$175.00	\$19,600.00	\$200.00	\$22,400.00	\$200.00	\$22,400.00	\$175.00	\$19,600.00
44	Cut Existing 6" Water Main and Install End Cap, Class 350, DIP, MJ, 6"	3	Each	\$1,500.00	\$4,500.00	\$2,700.00	\$8,100.00	\$200.00	\$600.00	\$1,500.00	\$4,500.00	\$2,400.00	\$7,200.00
45	Hot Tap Water Main, With Tapping Sleeve and Valve, 8"	2	Each	\$3,500.00	\$7,000.00	\$6,000.00	\$12,000.00	\$3,750.00	\$7,500.00	\$5,200.00	\$10,400.00	\$5,400.00	\$10,800.00
46	Compression Pipe Coupling, Class 350, DIP MJ, 8"	2	Each	\$500.00	\$1,000.00	\$275.00	\$550.00	\$300.00	\$600.00	\$500.00	\$1,000.00	\$280.00	\$560.00
47	Compression Pipe Coupling, Class 350, DIP MJ, 6"	1	Each	\$500.00	\$500.00	\$550.00	\$550.00	\$250.00	\$250.00	\$475.00	\$475.00	\$210.00	\$210.00
48	Casing Pipe, PVC, DR-25, 16"	40	FT.	\$60.00	\$2,400.00	\$200.00	\$8,000.00	\$60.00	\$2,400.00	\$118.00	\$4,720.00	\$80.00	\$3,200.00
49	Trench Backfill	600	C.Y.	\$30.00	\$18,000.00	\$40.00	\$24,000.00	\$0.01	\$6.00	\$28.00	\$16,800.00	\$10.00	\$6,000.00
50	Boring Pit, 30"x10'	1	Each	\$5,000.00	\$5,000.00	\$6,500.00	\$6,500.00	\$3,000.00	\$3,000.00	\$4,550.00	\$4,550.00	\$6,000.00	\$6,000.00
51	Receiving Pit, 30"x10'	1	Each	\$5,000.00	\$5,000.00	\$6,500.00	\$6,500.00	\$1,000.00	\$1,000.00	\$4,550.00	\$4,550.00	\$1,000.00	\$1,000.00
Base Bid Total					\$216,916.00	\$302,301.00	\$213,979.93	\$251,202.50	\$214,253.30				

Alternate Bid

1	Pavement Removal	406	S.Y.	\$12.00	\$4,872.00	\$14.00	\$5,684.00	\$10.00	\$4,060.00	\$21.00	\$8,526.00	\$22.00	\$8,932.00
2	Earth Excavation	356	C.Y.	\$15.00	\$5,340.00	\$20.00	\$7,120.00	\$0.01	\$3.56	\$10.00	\$3,560.00	\$0.10	\$35.60
3	Geotechnical Fabric for Ground Stabilization	50	S.Y.	\$7.50	\$375.00	\$2.00	\$100.00	\$10.00	\$500.00	\$4.00	\$200.00	\$2.00	\$100.00
4	Aggregate Base Course, 9" Type A	406	S.Y.	\$12.00	\$4,872.00	\$9.00	\$3,654.00	\$10.00	\$4,060.00	\$16.00	\$6,496.00	\$14.00	\$5,684.00
5	HMA Binder Course, 2"	406	S.Y.	\$25.00	\$10,150.00	\$32.00	\$12,992.00	\$16.00	\$6,496.00	\$23.00	\$9,338.00	\$15.00	\$6,090.00
6	HMA Surface Course, 2"	406	S.Y.	\$15.00	\$6,090.00	\$32.00	\$12,992.00	\$16.00	\$6,496.00	\$23.00	\$9,338.00	\$15.00	\$6,090.00
7	Catch Basin, Remove and Replace Frame and Grate	1	Each	\$1,500.00	\$1,500.00	\$700.00	\$700.00	\$650.00	\$650.00	\$2,800.00	\$2,800.00	\$840.00	\$840.00
8	Water Main, 6" Removal	372	L.F.	\$15.00	\$5,580.00	\$10.00	\$3,720.00	\$0.01	\$3.72	\$7.50	\$2,790.00	\$2.00	\$744.00
9	Inlet and Pipe Protection	1	L.S.	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$200.00	\$200.00	\$600.00	\$600.00	\$140.00	\$140.00
10	Traffic Control and Protection	1	L.S.	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$4,500.00	\$4,500.00	\$3,500.00	\$3,500.00
11	Water Main, PVC, DR-14, 8"	372	FT.	\$55.00	\$20,460.00	\$92.00	\$34,224.00	\$115.00	\$42,780.00	\$70.00	\$26,040.00	\$69.00	\$25,668.00
12	Reducer, Class 350, DIP, MJ, 8" x 6"	1	Each	\$500.00	\$500.00	\$550.00	\$550.00	\$200.00	\$200.00	\$485.00	\$485.00	\$220.00	\$220.00
13	Trench Backfill	220	C.Y.	\$30.00	\$6,600.00	\$40.00	\$8,800.00	\$10.00	\$2,200.00	\$28.00	\$6,160.00	\$29.00	\$6,380.00
Alternate Bid Total					\$69,839.00	\$93,036.00	\$68,649.28	\$80,833.00	\$64,423.60				

Base Bid + Alternate Bid Total					\$286,755.00	\$395,337.00	\$282,629.21	\$332,035.50	\$278,676.90
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