

Owner: City of Benton Harbor  
Project Name: John Street Sewer Replacement - Ox Creek Sewer Lining & Lift Station Rehabilitation  
Project Number: M9-0141  
MDEQ Project No.: 5330-01  
Date and Time: April 21, 2011 @ 2:00 p.m.

Legend:

Low Bidder
Correction

# Bid Tabulation

## John Street Sewer Replacement

Item	Unit	Estimated Quantity	Engineer's Estimate		B&Z company		Kalin Construction		Peters Construction		
			Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	
1	Mobilization Max. 5%	LS	1.00	\$ 25,000.00	\$ 25,000.00	\$ 14,500.00	\$ 14,500.00	\$ 4,577.00	\$ 4,577.00	\$ 16,826.00	\$ 16,826.00
2	Tree, Rem, 6 inch to 18 inch	EA	1.00	\$ 500.00	\$ 500.00	\$ 300.00	\$ 300.00	\$ 628.85	\$ 628.85	\$ 500.00	\$ 500.00
3	Dr Structure, Rem	EA	9.00	\$ 300.00	\$ 2,700.00	\$ 300.00	\$ 2,700.00	\$ 204.52	\$ 2,045.20	\$ 400.00	\$ 3,600.00
4	Sewer, Rem, Less than 24 inch	FT	38.00	\$ 10.00	\$ 380.00	\$ 6.00	\$ 228.00	\$ 12.45	\$ 473.10	\$ 23.50	\$ 893.00
5	Curb and Gutter, Rem	FT	1,060.00	\$ 5.00	\$ 5,300.00	\$ 0.50	\$ 530.00	\$ 4.05	\$ 4,293.00	\$ 4.00	\$ 4,240.00
6	Sidewalk, Rem	SYD	147.00	\$ 5.00	\$ 735.00	\$ 4.00	\$ 588.00	\$ 4.25	\$ 624.75	\$ 5.00	\$ 735.00
7	Pavt, Rem, Modified	SYD	4,160.00	\$ 10.00	\$ 41,600.00	\$ 4.00	\$ 16,640.00	\$ 2.94	\$ 12,230.40	\$ 4.70	\$ 19,552.00
8	Subgrade Undercutting, Type II	CYD	110.00	\$ 10.00	\$ 1,100.00	\$ 1.00	\$ 110.00	\$ 10.00	\$ 1,100.00	\$ 13.00	\$ 1,430.00
9	Machine Grading, Modified	STA	10.45	\$ 2,200.00	\$ 22,990.00	\$ 1,600.00	\$ 16,720.00	\$ 1,557.31	\$ 16,273.89	\$ 2,500.00	\$ 26,125.00
10	Subbase, CIP	CYD	1,280.00	\$ 10.00	\$ 12,800.00	\$ 7.75	\$ 9,920.00	\$ 9.79	\$ 12,531.20	\$ 7.00	\$ 8,960.00
11	Aggregate Base, 8 inch	SYD	3,335.00	\$ 5.00	\$ 16,675.00	\$ 4.75	\$ 15,841.25	\$ 5.50	\$ 18,342.50	\$ 4.00	\$ 13,340.00
12	Sewer, CI IV, 12 inch, Tr Det B	FT	176.00	\$ 35.00	\$ 6,160.00	\$ 30.00	\$ 5,280.00	\$ 52.24	\$ 9,194.24	\$ 21.00	\$ 3,696.00
13	Sanitary Sewer, PVC SDR 26, 8 inch, Tr Det G	FT	521.00	\$ 40.00	\$ 20,840.00	\$ 55.00	\$ 28,655.00	\$ 67.25	\$ 35,037.25	\$ 71.00	\$ 36,991.00
14	Sanitary Sewer, PVC SDR 26, 10 inch, Tr Det G	FT	44.00	\$ 45.00	\$ 1,980.00	\$ 60.00	\$ 2,640.00	\$ 119.31	\$ 5,249.64	\$ 83.00	\$ 3,652.00
15	Sanitary Sewer, PVC SDR 26, 12 inch, Tr Det G	FT	483.00	\$ 50.00	\$ 24,150.00	\$ 61.00	\$ 29,463.00	\$ 83.58	\$ 40,369.14	\$ 80.00	\$ 38,640.00
16	Sanitary Service, PVC, 6 inch	FT	644.00	\$ 30.00	\$ 19,320.00	\$ 41.00	\$ 26,404.00	\$ 26.61	\$ 17,136.84	\$ 18.50	\$ 11,914.00
17	Sanitary Manhole, 48 inch dia	Ea	6.00	\$ 1,500.00	\$ 9,000.00	\$ 1,960.00	\$ 11,760.00	\$ 2,124.89	\$ 12,749.34	\$ 2,400.00	\$ 14,400.00
18	Sanitary Cleanout	EA	32.00	\$ 200.00	\$ 6,400.00	\$ 300.00	\$ 9,600.00	\$ 297.18	\$ 9,509.76	\$ 500.00	\$ 16,000.00
19	Sanitary Cleanout Cover	EA	5.00	\$ 200.00	\$ 1,000.00	\$ 190.00	\$ 950.00	\$ 93.29	\$ 466.45	\$ 280.00	\$ 1,400.00
20	Dr Structure, 24 inch dia	EA	4.00	\$ 1,000.00	\$ 4,000.00	\$ 1,000.00	\$ 4,000.00	\$ 770.94	\$ 3,083.76	\$ 700.00	\$ 2,800.00
21	Dr Structure, 48 inch dia	EA	1.00	\$ 1,500.00	\$ 1,500.00	\$ 1,200.00	\$ 1,200.00	\$ 1,040.01	\$ 1,040.01	\$ 900.00	\$ 900.00
22	Dr Structure Cover	LB	5,800.00	\$ 2.00	\$ 11,600.00	\$ 1.10	\$ 6,380.00	\$ 1.30	\$ 7,540.00	\$ 1.40	\$ 8,120.00
23	Dr Structure Cover, Adj, Case 2	EA	4.00	\$ 300.00	\$ 1,200.00	\$ 275.00	\$ 1,100.00	\$ 293.67	\$ 881.01	\$ 250.00	\$ 1,000.00
24	HMA, 13A	TON	385.00	\$ 65.00	\$ 25,025.00	\$ 58.10	\$ 22,368.50	\$ 58.10	\$ 22,368.50	\$ 60.00	\$ 23,100.00
25	HMA, 36A	TON	280.00	\$ 80.00	\$ 22,400.00	\$ 70.30	\$ 19,684.00	\$ 70.30	\$ 19,684.00	\$ 75.00	\$ 21,000.00
26	Driveway, Nonreinf Conc 6 inch	SYD	364.00	\$ 35.00	\$ 12,740.00	\$ 35.00	\$ 12,740.00	\$ 22.95	\$ 8,353.80	\$ 37.00	\$ 13,468.00
27	Curb and Gutter, Conc, Det C4	FT	2,062.00	\$ 15.00	\$ 30,930.00	\$ 11.00	\$ 22,682.00	\$ 9.70	\$ 20,001.40	\$ 11.00	\$ 22,682.00
28	Sidewalk, Conc, 4 inch	SFT	663.00	\$ 3.00	\$ 1,989.00	\$ 3.00	\$ 1,989.00	\$ 2.05	\$ 1,359.15	\$ 3.00	\$ 1,989.00
29	Sidewalk, Ramp, ADA	SFT	739.00	\$ 10.00	\$ 7,390.00	\$ 8.00	\$ 5,912.00	\$ 5.60	\$ 4,138.40	\$ 7.00	\$ 5,173.00
30	Barricade, Type III, High Intensity, Lighted, Furn	EA	18.00	\$ 200.00	\$ 3,600.00	\$ 110.00	\$ 1,980.00	\$ 95.00	\$ 1,710.00	\$ 80.00	\$ 1,440.00
31	Barricade, Type III, High Intensity, Lighted, Oper	EA	18.00	\$ 200.00	\$ 3,600.00	\$ 1.00	\$ 18.00	\$ 15.00	\$ 270.00	\$ 1.00	\$ 18.00
32	Flag Control	LS	1.00	\$ 1,500.00	\$ 1,500.00	\$ 1,325.00	\$ 1,325.00	\$ 200.00	\$ 200.00	\$ 1,175.00	\$ 1,175.00
33	Minor Traf Devices	LS	1.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 2,313.06	\$ 2,313.06	\$ 1,275.00	\$ 1,275.00
34	Plastic Drum, High Intensity, Lighted, Furn	EA	25.00	\$ 25.00	\$ 625.00	\$ 1.00	\$ 25.00	\$ 19.00	\$ 475.00	\$ 21.00	\$ 525.00
35	Plastic Drum, High Intensity, Lighted, Oper	EA	25.00	\$ 25.00	\$ 625.00	\$ 1.00	\$ 25.00	\$ 3.00	\$ 75.00	\$ 1.00	\$ 25.00
36	Sign, Type B, Temp, Furn	SFT	245.00	\$ 5.00	\$ 1,225.00	\$ 4.00	\$ 980.00	\$ 3.00	\$ 735.00	\$ 5.00	\$ 1,225.00
37	Sign, Type B, Temp, Oper	SFT	245.00	\$ 5.00	\$ 1,225.00	\$ 1.00	\$ 245.00	\$ 1.00	\$ 245.00	\$ 1.00	\$ 245.00
38	Maintaining Traffic	LS	1.00	\$ 5,000.00	\$ 5,000.00	\$ 1,000.00	\$ 1,000.00	\$ 816.43	\$ 816.43	\$ 1,000.00	\$ 1,000.00
39	Slope Restoration	SYD	2,355.00	\$ 2.50	\$ 5,887.50	\$ 3.00	\$ 7,065.00	\$ 3.46	\$ 8,148.30	\$ 4.00	\$ 9,420.00
40	Water Shutoff, Adj	EA	3.00	\$ 300.00	\$ 900.00	\$ 300.00	\$ 900.00	\$ 208.42	\$ 625.26	\$ 175.00	\$ 525.00
<b>Total: John Street Sewer Replacement</b>				<b>\$ 362,591.50</b>	<b>\$ 305,447.75</b>	<b>\$ 306,895.63</b>	<b>\$ 339,999.00</b>				
<b>Bid Statistics</b>			% of Estimate	100.00%	% of Estimate	84.24%	% of Estimate	84.64%	% of Estimate	93.77%	
			% of Low Bid	118.71%	% of Low Bid	100.00%	% of Low Bid	100.47%	% of Low Bid	111.31%	

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## Ox Creek Sewer Lining & Lift Station Rehabilitation

Item	Unit	Estimated Quantity	Engineer's Estimate		B&Z company		Kalin Construction		Peters Construction		
			Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	
1	Mobilization Max. 5%	LS	1.00	\$ 35,000.00	\$ 35,000.00	\$ 48,000.00	\$ 48,000.00	\$ -	\$ -	\$ -	\$ -
2	Sanitary Sewer, PVC SDR 26, 15 inch, Tr Det G	FT	70.00	\$ 70.00	\$ 4,900.00	\$ 137.00	\$ 9,590.00	\$ -	\$ -	\$ -	\$ -
3	Sanitary Sewer, PVC SDR 26, 18 inch, Tr Det G	FT	10.00	\$ 80.00	\$ 800.00	\$ 1,025.00	\$ 10,250.00	\$ -	\$ -	\$ -	\$ -
4	Sanitary Sewer, PVC SDR 26, 24 inch, Tr Det G	FT	10.00	\$ 90.00	\$ 900.00	\$ 1,045.00	\$ 10,450.00	\$ -	\$ -	\$ -	\$ -
5	CIPP Sanitary Sewer Lining, 12 inch	FT	295.00	\$ 38.00	\$ 11,210.00	\$ 38.00	\$ 11,210.00	\$ -	\$ -	\$ -	\$ -
6	CIPP Sanitary Sewer Lining, 15 inch	FT	1,162.00	\$ 60.00	\$ 69,720.00	\$ 59.00	\$ 68,558.00	\$ -	\$ -	\$ -	\$ -
7	CIPP Sanitary Sewer Lining, 18 inch	FT	32.00	\$ 150.00	\$ 4,800.00	\$ 195.00	\$ 6,240.00	\$ -	\$ -	\$ -	\$ -
8	CIPP Sanitary Sewer Lining, 24 inch	FT	175.00	\$ 100.00	\$ 17,500.00	\$ 141.00	\$ 24,675.00	\$ -	\$ -	\$ -	\$ -
9	Manhole Rehabilitation, Composite, Sanitary, 48 inch dia.	EA	10.00	\$ 2,500.00	\$ 25,000.00	\$ 3,085.00	\$ 30,850.00	\$ -	\$ -	\$ -	\$ -
10	Manhole Rehabilitation, Composite, Sanitary, 144 inch dia	EA	1.00	\$ 40,000.00	\$ 40,000.00	\$ 22,870.00	\$ 22,870.00	\$ -	\$ -	\$ -	\$ -
11	Erosion Control, Silt Fence	FT	500.00	\$ 2.00	\$ 1,000.00	\$ 2.50	\$ 1,250.00	\$ -	\$ -	\$ -	\$ -
12	Dr Structure, Rem	EA	1.00	\$ 300.00	\$ 300.00	\$ 865.00	\$ 865.00	\$ -	\$ -	\$ -	\$ -
13	Sewer, Rem, Less than 24 inch	FT	175.00	\$ 10.00	\$ 1,750.00	\$ 3.95	\$ 691.25	\$ -	\$ -	\$ -	\$ -
14	Curb and Gutter, Rem	FT	122.00	\$ 5.00	\$ 610.00	\$ 4.25	\$ 518.50	\$ -	\$ -	\$ -	\$ -
15	Sidewalk, Rem	SYD	7.00	\$ 5.00	\$ 35.00	\$ 5.47	\$ 38.29	\$ -	\$ -	\$ -	\$ -
16	Pavt, Rem, Modified	SYD	382.00	\$ 10.00	\$ 3,820.00	\$ 4.36	\$ 1,665.52	\$ -	\$ -	\$ -	\$ -
17	Subbase, CIP	CTD	250.00	\$ 10.00	\$ 2,500.00	\$ 9.35	\$ 2,337.50	\$ -	\$ -	\$ -	\$ -
18	Aggregate Base, 8 inch, Modified	SYD	361.00	\$ 5.00	\$ 1,805.00	\$ 6.27	\$ 2,263.47	\$ -	\$ -	\$ -	\$ -
19	Aggregate Surface CSE, 8 inch	SYD	285.00	\$ 10.00	\$ 2,850.00	\$ 6.77	\$ 1,929.45	\$ -	\$ -	\$ -	\$ -
20	Excavation, Earth	CTYD	260.00	\$ 8.00	\$ 2,080.00	\$ 6.43	\$ 1,671.80	\$ -	\$ -	\$ -	\$ -
21	Sanitary Sewer, PVC SDR 26, 8 inch, Tr Det G	FT	45.00	\$ 40.00	\$ 1,800.00	\$ 48.00	\$ 2,160.00	\$ -	\$ -	\$ -	\$ -
22	Sanitary Manhole, 48 inch dia	EA	1.00	\$ 1,500.00	\$ 1,500.00	\$ 2,700.00	\$ 2,700.00	\$ -	\$ -	\$ -	\$ -
23	HMA, 13A	TON	35.00	\$ 100.00	\$ 3,500.00	\$ 105.00	\$ 3,675.00	\$ -	\$ -	\$ -	\$ -
24	HMA, 36A	TON	35.00	\$ 100.00	\$ 3,500.00	\$ 115.00	\$ 4,025.00	\$ -	\$ -	\$ -	\$ -
25	Curb and Gutter, Conc, Det C4	FT	122.00	\$ 20.00	\$ 2,440.00	\$ 12.50	\$ 1,525.00	\$ -	\$ -	\$ -	\$ -
26	Sidewalk, Conc, 4 inch	SFT	250.00	\$ 3.00	\$ 750.00	\$ 3.00	\$ 750.00	\$ -	\$ -	\$ -	\$ -
27	Sidewalk Ramp, ADA	SFT	60.00	\$ 10.00	\$ 600.00	\$ 8.00	\$ 480.00	\$ -	\$ -	\$ -	\$ -
28	Water Serv, 1 inch, Long	EA	1.00	\$ 1,200.00	\$ 1,200.00	\$ 1,230.00	\$ 1,230.00	\$ -	\$ -	\$ -	\$ -
29	Force Main, DI CI 52, 4 inch, Tr Det G	FT	35.00	\$ 75.00	\$ 2,625.00	\$ 61.00	\$ 2,135.00	\$ -	\$ -	\$ -	\$ -
30	Force Main, DI CI 52, 14 inch, Tr Det G	FT	50.00	\$ 100.00	\$ 5,000.00	\$ 73.00	\$ 3,650.00	\$ -	\$ -	\$ -	\$ -
31	Lift Station Removal, 8th Street	LS	1.00	\$ 10,000.00	\$ 10,000.00	\$ 43,000.00	\$ 43,000.00	\$ -	\$ -	\$ -	\$ -
32	Lift Station Removal, Jennings Street	LS	1.00	\$ 10,000.00	\$ 10,000.00	\$ 78,000.00	\$ 78,000.00	\$ -	\$ -	\$ -	\$ -
33	Lift Station Removal, M139/Fair Ave.	LS	1.00	\$ 20,000.00	\$ 20,000.00	\$ 19,000.00	\$ 19,000.00	\$ -	\$ -	\$ -	\$ -
34	Sanitary Sewer Lift Station, 8th Street	LS	1.00	\$ 150,000.00	\$ 150,000.00	\$ 143,000.00	\$ 143,000.00	\$ -	\$ -	\$ -	\$ -
35	Sanitary Sewer Lift Station, Jennings Street	LS	1.00	\$ 100,000.00	\$ 100,000.00	\$ 90,500.00	\$ 90,500.00	\$ -	\$ -	\$ -	\$ -
36	Sanitary Sewer Lift Station, M139/Fair Ave.	EA	1.00	\$ 90,000.00	\$ 90,000.00	\$ 106,500.00	\$ 106,500.00	\$ -	\$ -	\$ -	\$ -
37	Sanitary Sewer Lift Station, Upgrade, BL 94	EA	1.00	\$ 5,000.00	\$ 5,000.00	\$ 4,400.00	\$ 4,400.00	\$ -	\$ -	\$ -	\$ -
38	Sanitary Sewer Lift Station, Upgrade, Grand Blvd.	EA	1.00	\$ 8,000.00	\$ 8,000.00	\$ 5,725.00	\$ 5,725.00	\$ -	\$ -	\$ -	\$ -
39	Sanitary Sewer Lift Station, Upgrade, Stevens St.	EA	1.00	\$ 30,000.00	\$ 30,000.00	\$ 34,500.00	\$ 34,500.00	\$ -	\$ -	\$ -	\$ -
40	Sanitary Sewer Lift Station, Upgrade, Territorial Rd.	EA	1.00	\$ 30,000.00	\$ 30,000.00	\$ 49,000.00	\$ 49,000.00	\$ -	\$ -	\$ -	\$ -
41	Sanitary Sewer Lift Station, Upgrade, Water St.	EA	1.00	\$ 28,000.00	\$ 28,000.00	\$ 37,000.00	\$ 37,000.00	\$ -	\$ -	\$ -	\$ -
42	Sanitary Sewer Lift Station, Upgrade, Crystal Ave.	EA	1.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ -	\$ -	\$ -	\$ -
43	Emergency/Stand-By Generator, 8th Street	LS	1.00	\$ 40,000.00	\$ 40,000.00	\$ 22,500.00	\$ 22,500.00	\$ -	\$ -	\$ -	\$ -
44	Emergency/Stand-By Generator, Water Street	LS	1.00	\$ 40,000.00	\$ 40,000.00	\$ 22,500.00	\$ 22,500.00	\$ -	\$ -	\$ -	\$ -
45	Slope Restoration	SYD	250.00	\$ 3.50	\$ 875.00	\$ 3.25	\$ 812.50	\$ -	\$ -	\$ -	\$ -
46	Conc Pavt, Misc, Nonreinf, 6 inch	SYD	30.00	\$ -	\$ -	\$ 35.00	\$ 1,050.00	\$ -	\$ -	\$ -	\$ -
47	Sanitary Sewer Lift Station, Upgrade, Elisha Gray	EA	1.00	\$ -	\$ -	\$ 44,250.00	\$ 44,250.00	\$ -	\$ -	\$ -	\$ -
<b>Total: Ox Creek Sewer Lining &amp; Lift Station Rehabilitation</b>				\$	<b>849,910.00</b>	\$	<b>1,014,991.28</b>	\$	<b>-</b>	\$	<b>-</b>
<b>Bid Statistics</b>			% of Estimate	100.00%	% of Estimate	119.42%	% of Estimate	0.00%	% of Estimate	0.00%	
			% of Low Bid	83.74%	% of Low Bid	100.00%	% of Low Bid	0.00%	% of Low Bid	0.00%	