

### Bid Tabulation Worksheet

Project:	Vulcan Street Water Main Replacement Project	Project No.:	22-1676	Legend	
Client:	City of Norton Shores	Client Project No.:	BP-22-09		Low Bid
Prepared By:	Sam Jablonowski, PE	Date Prepared:	February 23, 2023		Correction

### Vulcan Street Water Main Replacement Project

Item	Unit	Estimated Quantity	Engineer's Estimate		Dan's Excavating Service, Inc.		Wadel Stablization, Inc.		McCormick Sand, Inc.		Harris ConAg, LLC		Wyoming Excavators, Inc.	
			Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1 Mobilization, Max \$43,000	LSUM	1.00	\$ 43,000.00	\$ 43,000.00	\$ 25,000.00	\$ 25,000.00	\$ 43,000.00	\$ 43,000.00	\$ 43,000.00	\$ 43,000.00	\$ 43,000.00	\$ 43,000.00	\$ 43,000.00	\$ 43,000.00
2 Tree, Rem, 6 inch to 18 inch	Ea	1.00	\$ 500.00	\$ 500.00	\$ 1,000.00	\$ 1,000.00	\$ 350.00	\$ 350.00	\$ 350.00	\$ 350.00	\$ 1,000.00	\$ 1,000.00	\$ 1,750.00	\$ 1,750.00
3 Curb and Gutter, Rem	Ft	140.00	\$ 17.50	\$ 2,450.00	\$ 4.00	\$ 560.00	\$ 10.00	\$ 1,400.00	\$ 12.00	\$ 1,680.00	\$ 10.00	\$ 1,400.00	\$ 10.00	\$ 1,400.00
4 Exploratory Investigation, Vertical	Ft	25.00	\$ 35.00	\$ 875.00	\$ 150.00	\$ 3,750.00	\$ 20.00	\$ 500.00	\$ 50.00	\$ 1,250.00	\$ 50.00	\$ 1,250.00	\$ 264.00	\$ 6,600.00
5 Flowable Fill, Non-Structural	Cyd	15.00	\$ 225.00	\$ 3,375.00	\$ 300.00	\$ 4,500.00	\$ 250.00	\$ 3,750.00	\$ 150.00	\$ 2,250.00	\$ 250.00	\$ 3,750.00	\$ 162.00	\$ 2,430.00
6 Machine Grading, Modified	Sta	12.00	\$ 3,250.00	\$ 39,000.00	\$ 2,000.00	\$ 24,000.00	\$ 1,595.00	\$ 19,140.00	\$ 3,400.00	\$ 40,800.00	\$ 1,300.00	\$ 15,600.00	\$ 3,591.00	\$ 43,092.00
7 Erosion Control, Inlet Protection, Fabric Drop	Ea	5.00	\$ 125.00	\$ 625.00	\$ 120.00	\$ 600.00	\$ 100.00	\$ 500.00	\$ 97.00	\$ 485.00	\$ 250.00	\$ 1,250.00	\$ 162.00	\$ 810.00
8 Erosion Control, Silt Fence	Ft	250.00	\$ 2.75	\$ 687.50	\$ 3.00	\$ 750.00	\$ 2.00	\$ 500.00	\$ 2.00	\$ 500.00	\$ 2.50	\$ 625.00	\$ 2.00	\$ 500.00
9 Subbase, CIP	Cyd	505.00	\$ 22.50	\$ 11,362.50	\$ 1.00	\$ 505.00	\$ 0.01	\$ 5.05	\$ 5.00	\$ 2,525.00	\$ 5.00	\$ 2,525.00	\$ 15.00	\$ 7,575.00
10 Aggregate Base, 8 inch	Syd	1,500.00	\$ 13.50	\$ 20,250.00	\$ 10.00	\$ 15,000.00	\$ 15.00	\$ 22,500.00	\$ 17.00	\$ 25,500.00	\$ 11.50	\$ 17,250.00	\$ 22.00	\$ 33,000.00
11 Aggregate Surface Cse, 6 inch	Syd	15.00	\$ 13.50	\$ 202.50	\$ 10.00	\$ 150.00	\$ 14.00	\$ 210.00	\$ 30.00	\$ 450.00	\$ 75.00	\$ 1,125.00	\$ 22.00	\$ 330.00
12 Maintenance Gravel, LM	Cyd	250.00	\$ 25.00	\$ 6,250.00	\$ 30.00	\$ 7,500.00	\$ 4.00	\$ 1,000.00	\$ 1.00	\$ 250.00	\$ 32.00	\$ 8,000.00	\$ 35.00	\$ 8,750.00
13 Dr Structure Cover, Adj, Case 1	Ea	3.00	\$ 650.00	\$ 1,950.00	\$ 500.00	\$ 1,500.00	\$ 660.00	\$ 1,980.00	\$ 850.00	\$ 2,550.00	\$ 1,100.00	\$ 3,300.00	\$ 1,020.00	\$ 3,060.00
14 Dr Structure, Temp Lowering	Ea	3.00	\$ 500.00	\$ 1,500.00	\$ 300.00	\$ 900.00	\$ 320.00	\$ 960.00	\$ 350.00	\$ 1,050.00	\$ 900.00	\$ 2,700.00	\$ 180.00	\$ 540.00
15 Dr Structure Cover, Type Q, Modified	Ea	3.00	\$ 825.00	\$ 2,475.00	\$ 500.00	\$ 1,500.00	\$ 1.00	\$ 3.00	\$ 1.00	\$ 3.00	\$ 975.00	\$ 2,925.00	\$ 300.00	\$ 900.00
16 Dr Structure, Reconstruct	Ea	1.00	\$ 750.00	\$ 750.00	\$ 2,000.00	\$ 2,000.00	\$ 2,750.00	\$ 2,750.00	\$ 1,250.00	\$ 1,250.00	\$ 2,500.00	\$ 2,500.00	\$ 600.00	\$ 600.00
17 HMA Surface, Rem	Syd	3,900.00	\$ 6.00	\$ 23,400.00	\$ 2.80	\$ 10,920.00	\$ 3.00	\$ 11,700.00	\$ 2.00	\$ 7,800.00	\$ 5.50	\$ 21,450.00	\$ 2.50	\$ 9,750.00
18 HMA, 4EML	Ton	455.00	\$ 100.00	\$ 45,500.00	\$ 102.00	\$ 46,410.00	\$ 101.50	\$ 46,182.50	\$ 101.00	\$ 45,955.00	\$ 102.00	\$ 46,410.00	\$ 102.00	\$ 46,410.00
19 HMA, 5EML	Ton	340.00	\$ 105.00	\$ 35,700.00	\$ 113.00	\$ 38,420.00	\$ 113.00	\$ 38,420.00	\$ 113.00	\$ 38,420.00	\$ 112.00	\$ 38,080.00	\$ 113.00	\$ 38,420.00
20 Curb and Gutter, Conc, Det C4	Ft	65.00	\$ 25.00	\$ 1,625.00	\$ 30.00	\$ 1,950.00	\$ 43.00	\$ 2,795.00	\$ 50.00	\$ 3,250.00	\$ 75.00	\$ 4,875.00	\$ 43.00	\$ 2,795.00
21 Driveway Opening, conc, Det M	Ft	75.00	\$ 25.00	\$ 1,875.00	\$ 30.00	\$ 2,250.00	\$ 43.00	\$ 3,225.00	\$ 50.00	\$ 3,750.00	\$ 48.00	\$ 3,600.00	\$ 43.00	\$ 3,225.00
22 Post, Mailbox	Ea	10.00	\$ 150.00	\$ 1,500.00	\$ 50.00	\$ 500.00	\$ 150.00	\$ 1,500.00	\$ 100.00	\$ 1,000.00	\$ 75.00	\$ 750.00	\$ 100.00	\$ 1,000.00
23 Post, Steel, 3 pound	Ft	45.00	\$ 7.50	\$ 337.50	\$ 8.00	\$ 360.00	\$ 8.00	\$ 360.00	\$ 8.00	\$ 360.00	\$ 14.00	\$ 630.00	\$ 8.00	\$ 360.00
24 Sign, Type III, Rem	Ea	3.00	\$ 15.00	\$ 45.00	\$ 35.00	\$ 105.00	\$ 35.00	\$ 105.00	\$ 35.00	\$ 105.00	\$ 25.00	\$ 75.00	\$ 35.00	\$ 105.00
25 Sign, Type IIIA	Sft	12.50	\$ 20.00	\$ 250.00	\$ 20.00	\$ 250.00	\$ 20.00	\$ 250.00	\$ 20.00	\$ 250.00	\$ 23.00	\$ 287.50	\$ 20.00	\$ 250.00
26 Sign, Type IIIB	Sft	5.00	\$ 20.00	\$ 100.00	\$ 20.00	\$ 100.00	\$ 20.00	\$ 100.00	\$ 20.00	\$ 100.00	\$ 27.00	\$ 135.00	\$ 20.00	\$ 100.00
27 Pavt Mrkg, Waterborne, 24 inch, Stop Bar	Ft	30.00	\$ 10.00	\$ 300.00	\$ 20.00	\$ 600.00	\$ 18.00	\$ 540.00	\$ 8.00	\$ 240.00	\$ 25.00	\$ 750.00	\$ 24.00	\$ 720.00
28 Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	5.00	\$ 135.00	\$ 675.00	\$ 95.00	\$ 475.00	\$ 95.00	\$ 475.00	\$ 95.00	\$ 475.00	\$ 110.00	\$ 550.00	\$ 95.00	\$ 475.00
29 Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	5.00	\$ 15.00	\$ 75.00	\$ 1.00	\$ 5.00	\$ 1.00	\$ 5.00	\$ 1.00	\$ 5.00	\$ 10.00	\$ 50.00	\$ 1.00	\$ 5.00
30 Lighted Arrow, Type C, Furn	Ea	1.00	\$ 600.00	\$ 600.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 600.00	\$ 600.00	\$ 575.00	\$ 575.00	\$ 500.00	\$ 500.00
31 Lighted Arrow, Type C, Oper	Ea	1.00	\$ 50.00	\$ 50.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 140.00	\$ 140.00	\$ 10.00	\$ 10.00	\$ 1.00	\$ 1.00
32 Minor Traf Devices	LSUM	1.00	\$ 21,000.00	\$ 21,000.00	\$ 6,875.00	\$ 6,875.00	\$ 8,500.00	\$ 8,500.00	\$ 16,000.00	\$ 16,000.00	\$ 17,200.00	\$ 17,200.00	\$ 14,901.00	\$ 14,901.00
33 Plastic Drum, Fluorescent, Furn	Ea	125.00	\$ 25.00	\$ 3,125.00	\$ 21.00	\$ 2,625.00	\$ 21.00	\$ 2,625.00	\$ 21.00	\$ 2,625.00	\$ 25.00	\$ 3,125.00	\$ 21.00	\$ 2,625.00
34 Plastic Drum, Fluorescent, Oper	Ea	125.00	\$ 2.50	\$ 312.50	\$ 1.00	\$ 125.00	\$ 1.00	\$ 125.00	\$ 1.00	\$ 125.00	\$ 2.00	\$ 250.00	\$ 1.00	\$ 125.00
35 Sign, Type B, Temp, Prismatic, Furn	Sft	500.00	\$ 6.00	\$ 3,000.00	\$ 4.75	\$ 2,375.00	\$ 4.75	\$ 2,375.00	\$ 4.75	\$ 2,375.00	\$ 5.25	\$ 2,625.00	\$ 5.00	\$ 2,500.00
36 Sign, Type B, Temp, Prismatic, Oper	Sft	500.00	\$ 1.50	\$ 750.00	\$ 1.00	\$ 500.00	\$ 1.00	\$ 500.00	\$ 1.00	\$ 500.00	\$ 2.00	\$ 1,000.00	\$ 1.00	\$ 500.00
37 Slope Restoration, Non-Freeway, Type B	Syd	1,200.00	\$ 6.50	\$ 7,800.00	\$ 5.00	\$ 6,000.00	\$ 3.00	\$ 3,600.00	\$ 8.50	\$ 10,200.00	\$ 5.75	\$ 6,900.00	\$ 12.00	\$ 14,400.00
38 Water Main, 6 inch, Cut and Plug	Ea	2.00	\$ 1,250.00	\$ 2,500.00	\$ 1,500.00	\$ 3,000.00	\$ 745.00	\$ 1,490.00	\$ 800.00	\$ 1,600.00	\$ 1,100.00	\$ 2,200.00	\$ 348.00	\$ 696.00
39 Water Main, DI, 6 inch, Tr Det G, Modified, Install	Ft	70.00	\$ 135.00	\$ 9,450.00	\$ 35.00	\$ 2,450.00	\$ 130.00	\$ 9,100.00	\$ 60.00	\$ 4,200.00	\$ 45.00	\$ 3,150.00	\$ 89.00	\$ 6,230.00
40 Water Main, DI, 8 inch, Tr Det G, Modified, Install	Ft	1,225.00	\$ 100.00	\$ 122,500.00	\$ 37.00	\$ 45,325.00	\$ 41.60	\$ 50,960.00	\$ 48.00	\$ 58,800.00	\$ 55.00	\$ 67,375.00	\$ 67.00	\$ 82,075.00
41 Water Main, Rem	Ft	120.00	\$ 20.00	\$ 2,400.00	\$ 30.00	\$ 3,600.00	\$ 10.00	\$ 1,200.00	\$ 20.00	\$ 2,400.00	\$ 10.00	\$ 1,200.00	\$ 24.00	\$ 2,880.00
42 Fire Hydrant, Modified, Install	Ea	3.00	\$ 4,000.00	\$ 12,000.00	\$ 1,700.00	\$ 5,100.00	\$ 2,520.00	\$ 7,560.00	\$ 3,400.00	\$ 10,200.00	\$ 2,500.00	\$ 7,500.00	\$ 900.00	\$ 2,700.00
43 Gate Valve and Box, 6 inch, Modified, Install	Ea	1.00	\$ 1,500.00	\$ 1,500.00	\$ 350.00	\$ 350.00	\$ 515.00	\$ 515.00	\$ 1,000.00	\$ 1,000.00	\$ 900.00	\$ 900.00	\$ 540.00	\$ 540.00
44 Gate Valve and Box, 8 inch, Modified, Install	Ea	2.00	\$ 1,850.00	\$ 3,700.00	\$ 400.00	\$ 800.00	\$ 515.00	\$ 1,030.00	\$ 1,050.00	\$ 2,100.00	\$ 1,100.00	\$ 2,200.00	\$ 720.00	\$ 1,440.00
45 Hydrant, Rem, Modified	Ea	3.00	\$ 750.00	\$ 2,250.00	\$ 750.00	\$ 2,250.00	\$ 595.00	\$ 1,785.00	\$ 1,150.00	\$ 3,450.00	\$ 800.00	\$ 2,400.00	\$ 552.00	\$ 1,656.00
46 Water Serv, 1 inch, Modified	Ea	9.00	\$ 2,000.00	\$ 18,000.00	\$ 1,400.00	\$ 12,600.00	\$ 2,015.00	\$ 18,135.00	\$ 1,625.00	\$ 14,625.00	\$ 2,400.00	\$ 21,600.00	\$ 972.00	\$ 8,748.00
47 Water Serv, Long, 1 inch, Modified	Ea	5.00	\$ 3,000.00	\$ 15,000.00	\$ 1,800.00	\$ 9,000.00	\$ 2,750.00	\$ 13,750.00	\$ 2,695.00	\$ 13,475.00	\$ 2,750.00	\$ 13,750.00	\$ 1,692.00	\$ 8,460.00
48 Michigan State Use Tax	Allow	1.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00
<b>Total: Vulcan Street Water Main Replacement Project</b>			<b>\$ 478,572.50</b>	<b>\$ 301,036.00</b>	<b>\$ 333,956.55</b>	<b>\$ 376,018.00</b>	<b>\$ 386,477.50</b>	<b>\$ 414,929.00</b>						
<b>Bid Statistics</b>			% of Estimate	100.00%	% of Estimate	62.90%	% of Estimate	69.78%	% of Estimate	78.57%	% of Estimate	80.76%	% of Estimate	86.70%
			% of Low Bid	158.98%	% of Low Bid	100.00%	% of Low Bid	110.94%	% of Low Bid	124.91%	% of Low Bid	128.38%	% of Low Bid	124.25%