

City of Napoleon
VANHYNING PUMP STATION REPLACEMENT PROJECT
Bid Tabulation
February 2, 2022
Engineer's Estimate = \$2,500,000.00

Engineer's Estimate				Vernon Nagel, Inc. O-154 County Road 11C Napoleon, Ohio 43545 419.592.3861	
ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	SUBTOTAL
ROADWAY CONSTRUCTION					
1	Pavement Removed	200	SY	\$16.00	\$3,200.00
2	Pavement Repair, Match to Existing Profile	60	SY	\$250.00	\$15,000.00
3	Aggregate Base for Pump Station, Including Excavation	100	CY	\$155.00	\$15,500.00
4	8" Non-Reinforced Concrete Pavement, Including 6" Aggregate Base (ODOT 304), for Access Drive and Approach	320	SY	\$115.00	\$36,800.00
ROADWAY SUBTOTAL:					\$70,500.00
SANITARY SEWER CONSTRUCTION					
5	Clearing and Grubbing	1	LS	\$10,000.00	\$10,000.00
5a	Rock Excavation (Contingency Item if Rock is Encountered)	20	CY	\$500.00	\$10,000.00
6	Tree Removal (3" to 12")	7	EA	\$200.00	\$1,400.00
7	Tree Removal (12" to 24")	2	EA	\$500.00	\$1,000.00
8	Pipe Abandoned, 12" Force Main Including Plugs and Grouting	1	LS	\$4,500.00	\$4,500.00
9	Pipe Abanded, 27" Sanitary Including Plugs and Grouting	1	LS	\$12,000.00	\$12,000.00
10	14" DIP 90-Degree Long Radius M.J. Bend, With PE Wrap	1	EA	\$1,900.00	\$1,900.00
11	14" DIP 11.25-Degree M.J. Bend, With PE Wrap	1	EA	\$1,700.00	\$1,700.00
12	14" DIP Force Main With PE Wrap, Open Cut	64	LF	\$300.00	\$19,200.00
13	27" PVC ASTM F679, PS46 (Sanitary), Type C	30	LF	\$500.00	\$15,000.00
14	36" PVC ASTM F679, PS46 (Sanitary), Type C	248	LF	\$700.00	\$173,600.00
15	48" Manhole with Standard Cone (Sanitary)	2	EA	\$20,000.00	\$40,000.00
16	Manhole Casting and Gasketed Lid Marked "Sanitary Sewer"	3	EA	\$1,500.00	\$4,500.00
17	27" Flexible Coupling with Stainless Steel Bands	1	EA	\$1,800.00	\$1,800.00
18	Maintaining Traffic	1	LS	\$5,000.00	\$5,000.00
19	Construction Layout Stakes	1	LS	\$5,000.00	\$5,000.00
20	Mobilization	1	LS	\$70,000.00	\$70,000.00
21	Fertilizer, Seeding and Mulching	2,500	SY	\$5.00	\$12,500.00
22	Sanitary Pump Station, Including Wet Well, Valve Vault, Pipe, Valves, Complete	1	LS	\$823,000.00	\$823,000.00
23	Sheeting and Shoring for Wet Well Construction	1	LS	\$450,000.00	\$450,000.00
24	Submersible Pump Equipment, Including Appurtenances	1	LS	\$450,000.00	\$450,000.00
25	Fiberglass Enclosure Control Building	1	LS	\$125,000.00	\$125,000.00
26	Pump Station Electrical, Instrumentation, & Controls, Including Diesel Generator, Complete	1	EA	\$185,000.00	\$185,000.00

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27	Bypass Pumping Required During Construction	1	LS	\$20,000.00	\$20,000.00
28	Pump Station Steel Fencing and Gates	1	LS	\$58,000.00	\$58,000.00
29	Prefabricated Modular Gravity Block Retaining Wall, Complete	1	LS	\$70,000.00	\$70,000.00
30	Abandon Existing VanHyning Pumping Station, Complete	1	LS	\$25,000.00	\$25,000.00
31	Concrete Bollards	4	EA	\$1,500.00	\$6,000.00
32	Storm Water Pollution Prevention Plan	1	LS	\$1,500.00	\$1,500.00
33	General Cash Allowance, Telemetry Coordination	1	LS	\$20,000.00	\$20,000.00
		SANITARY SEWER SUBTOTAL:			\$2,622,600.00
STORM SEWER CONSTRUCTION					
34	12" PVC ASTM D3034, SDR 35 (Storm), Type B	100	LF	\$60.00	\$6,000.00
35	12" PVC ASTM D3034, SDR 35 (Storm), Type C	67	LF	\$45.00	\$3,015.00
36	12" Flexible Coupling With Stainless Steel Bands	2	EA	\$200.00	\$400.00
37	Catch Basin, Type 2-2B	3	EA	\$2,000.00	\$6,000.00
38	4" Polyethylene Underdrain	97	LF	\$26.88	\$2,607.36
		STORM SEWER SUBTOTAL:			\$18,022.36
				TOTAL BASE BID:	\$2,711,122.36

ALTERNATE NO. 1

SANITARY SEWER					
39	Submersible Pump Equipment, Chopper Style, Including Appurtenances	1	LS	\$180,000.00	\$180,000.00
ALTERNATE NO. 1 BID:					\$180,000.00

ALTERNATE NO. 2

SANITARY SEWER					
40	Clearing and Grubbing	1	LS	\$7,500.00	\$7,500.00
41	Tree Removal (3" to 12")	8	EA	\$200.00	\$1,600.00
42	Pipe Abanded, 21" Sanitary Including Plugs and Grouting	1	LS	\$6,000.00	\$6,000.00
43	21" PVC ASTM F679, PS46 (Sanitary), Type C	14	LF	\$475.00	\$6,650.00
44	27" Sanitary Sewer Lining (CIPP, or Equal)	165	LF	\$565.00	\$93,225.00
45	30" PVC ASTM F679, PS46 (Sanitary), Bore and Jack Method	238	LF	\$650.00	\$154,700.00

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ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	SUBTOTAL
46	48" Steel Casing Pipe, Bore and Jack, Including Drilling Pits	238	LF	\$1,300.00	\$309,400.00
47	48" Manhole with Drop (Sanitary)	1	EA	\$40,000.00	\$40,000.00
48	Manhole Casting and Gasketed Lid Marked "Sanitary Sewer"	1	EA	\$1,500.00	\$1,500.00
49	21" Flexible Coupling with Stainless Steel Bands	1	EA	\$1,500.00	\$1,500.00
ALTERNATE NO. 2 BID:					\$622,075.00