

**Engineer's Opinion of Probable Cost
Sanitary Sewer Improvement Project
Oskaloosa, Iowa
2023**

4/19/2023

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
1	2010-C Clearing and Grubbing	LS XXX	\$ 60,000.00	\$ 60,000.00
2	2010-E Excavation, Class 10	CY 330	\$ 30.00	\$ 9,900.00
3	2010-G Subgrade Preparation	SY 1,205	\$ 4.00	\$ 4,820.00
4	2010-J Subbase, Special Backfill, 6" Thick	SY 1,205	\$ 10.00	\$ 12,050.00
5	3010-C Trench Foundation	TON 150	\$ 60.00	\$ 9,000.00
6	3010-D Replacement of Unsuitable Backfill Material	CY 150	\$ 65.00	\$ 9,750.00
7	3010-F Trench Compaction Testing - Sanitary Sewer & Storm Sewer	LS XXX	\$ 10,000.00	\$ 10,000.00
8	4010-A-1 Sanitary Sewer Gravity Main, Trenched, PVC or Truss, 8"	LF 20	\$ 85.00	\$ 1,700.00
9	4010-A-1 Sanitary Sewer Gravity Main, Trenched, PVC, 18"	LF 338	\$ 150.00	\$ 50,700.00
10	4010-A-1 Sanitary Sewer Gravity Main, Trenched, PVC, 24"	LF 851	\$ 200.00	\$ 170,200.00
11	4010-E Sanitary Sewer Service Stub, PVC, 4" or 6"	LF 100	\$ 100.00	\$ 10,000.00
12	4010-I Sanitary Sewer Cleanout, PVC, 4" or 6"	EA 1	\$ 1,000.00	\$ 1,000.00
13	4010-L Sanitary Sewer Abandonment - Fill and Plug, 24"	LF 75	\$ 65.00	\$ 4,875.00
14	4020-A-1 Storm Sewer, Trenched, RCP or PP, 12"	LF 22	\$ 45.00	\$ 990.00
15	4020-A-1 Storm Sewer, Trenched, RCP or PP, 15"	LF 15	\$ 55.00	\$ 825.00
16	4020-A-1 Storm Sewer, Trenched, RCP, 15"	LF 40	\$ 80.00	\$ 3,200.00
17	4020-A-1 Storm Sewer, Trenched, RCP or PP, 30"	LF 330	\$ 115.00	\$ 37,950.00
18	4020-A-1 Storm Sewer, Trenched, RCP, 36"	LF 32	\$ 200.00	\$ 6,400.00
19	4020-A-1 Storm Sewer, Trenched, RCP or PP, 42"	LF 160	\$ 175.00	\$ 28,000.00
20	4020-D Removal of Storm Sewer, All Types, ≤18"	LF 122	\$ 25.00	\$ 3,050.00
21	4020-G Storm Sewer Abandonment - Fill and Plug, 30"	LF 110	\$ 100.00	\$ 11,000.00
22	4020-G Storm Sewer Abandonment - Fill and Plug, 36"	LF 32	\$ 145.00	\$ 4,640.00
23	4030-A-1 Pipe Culvert, Trenched, RCP or PP, 12"	LF 16	\$ 40.00	\$ 640.00
24	4030-B Pipe Apron, RCP, 15"	EA 1	\$ 1,750.00	\$ 1,750.00
25	4030-B Pipe Apron, RCP, 42"	EA 1	\$ 5,500.00	\$ 5,500.00
26	4030-D Pipe Apron Guard, 15"	EA 1	\$ 1,500.00	\$ 1,500.00
27	4040-E Storm Sewer Service Stub, PVC SDR 23.5, 4"	LF 28	\$ 40.00	\$ 1,120.00
28	5999-A Lower/Relocate Existing Water Main	EA 1	\$ 10,000.00	\$ 10,000.00
29	5999-B Restrained End Caps, 4"	EA 2	\$ 800.00	\$ 1,600.00
30	6010-A Manhole Type SW-301, 48" Dia.	EA 4	\$ 8,500.00	\$ 34,000.00
31	6010-A Manhole Type SW-301, 60" Dia.	EA 1	\$ 10,000.00	\$ 10,000.00
32	6010-A Manhole Type SW-401, 60" Dia.	EA 1	\$ 8,500.00	\$ 8,500.00
33	6010-A Manhole Type SW-401, 72" Dia.	EA 3	\$ 9,500.00	\$ 28,500.00
34	6010-B Intake Type SW-501	EA 2	\$ 5,000.00	\$ 10,000.00
35	6010-B Intake Type SW-512 (Case 1 w/ 24" Riser)	EA 2	\$ 3,000.00	\$ 6,000.00
36	6010-B Intake Type SW-513, 4'x4'	EA 1	\$ 12,000.00	\$ 12,000.00
37	6010-C-2 External Drop Connection, DIP, 8"	EA 1	\$ 6,000.00	\$ 6,000.00
38	6010-H-1 Remove Manhole	EA 7	\$ 2,000.00	\$ 14,000.00
39	6010-H-2 Remove Intake	EA 6	\$ 1,500.00	\$ 9,000.00
40	7010-A Pavement, PCC, 7" Thick	SY 1,041	\$ 60.00	\$ 62,460.00
41	7010-I PCC Pavement Samples and Testing	LS XXX	\$ 2,000.00	\$ 2,000.00
42	7030-A-1 Removal of Sidewalk	SY 70	\$ 20.00	\$ 1,400.00
43	7030-A-3 Removal of Driveway	SY 68	\$ 20.00	\$ 1,360.00
44	7030-E Sidewalk, PCC, 4" Thick	SY 52	\$ 75.00	\$ 3,900.00
45	7030-E Sidewalk, PCC, 6" Thick	SY 14	\$ 85.00	\$ 1,190.00
46	7030-G Detectable Warnings	SF 24	\$ 60.00	\$ 1,440.00
47	7030-H-1 Driveway, Paved, PCC, 6" Thick	SY 140	\$ 70.00	\$ 9,800.00
48	7040-H Pavement Removal	SY 960	\$ 8.00	\$ 7,680.00
49	7999-A Type B Granular Shoulder	TON 45	\$ 45.00	\$ 2,025.00
50	8030-A Temporary Traffic Control	LS XXX	\$ 10,000.00	\$ 10,000.00
51	9010-A or B Conventional or Hydraulic Seeding, Fertilizing and Mulching	LS XXX	\$ 27,000.00	\$ 27,000.00
52	9040-A-1 SWPPP Preparation	LS XXX	\$ 2,500.00	\$ 2,500.00
53	9040-A-2 SWPPP Management	LS XXX	\$ 10,000.00	\$ 10,000.00
54	9040-E Temporary RECP, Type 3.B (Extended Term)	SY 1,750	\$ 9.00	\$ 15,750.00
55	9040-J Rip-Rap, Class D	TON 200	\$ 80.00	\$ 16,000.00
56	9040-N-1 Silt Fence	LF 500	\$ 5.00	\$ 2,500.00
57	9040-N-2 Silt Fence, Removal of Sediment	LF 500	\$ 2.00	\$ 1,000.00
58	9040-N-3 Silt Fence, Removal of Device	LF 500	\$ 2.00	\$ 1,000.00
59	11,020-A Mobilization	LS XXX	\$ 80,000.00	\$ 80,000.00
TOTAL				\$ 869,165.00