

### CONSTRUCTION ESTIMATE FOR WHITTLESEY DRAINAGE IMPROVEMENTS

Ref.	Item	Description	Quant.	Unit	Unit Cost	Total Cost
1	103.05	Premium Contract Bond	1	LS	\$5,000.00	\$5,000.00
2	201	Clearing & Grubbing	1	LS	\$3,500.00	\$3,500.00
3	201	Tree Removed, 18" Size	6	EA	\$1,000.00	\$6,000.00
4	201	Tree Removed, 30" Size	3	EA	\$1,500.00	\$4,500.00
5	202	Structure Removed for Reuse (Sandstone) (NK-049-00.016)	1	LS	\$15,000.00	\$15,000.00
6	202	Pipe Removed, Under 24"	283.5	LF	\$6.00	\$1,701.00
7	202	Pavement Removed, Shall not be used for embankment	150	SY	\$7.50	\$1,125.00
8	202	Guardrail Removed	693.5	LF	\$4.00	\$2,774.00
9	202	Fence Removed for Reuse - Vinyl	40	LF	\$10.00	\$400.00
10	202	Fence Removed	75	LF	\$5.00	\$375.00
11	202	Inlet Removed (Yard Drain)	1	EA	\$100.00	\$100.00
12	202	Rip Rap Removed for Reuse	190	SY	\$20.00	\$3,800.00
13	203	Excavation, as per plan	300	CY	\$25.00	\$7,500.00
14	203	Embankment, as per plan	900	CY	\$30.00	\$27,000.00
15	204	Subgrade Compaction	150	SY	\$2.50	\$375.00
16	204	Proof Rolling, as per plan	1	HR	\$200.00	\$200.00
17	254	Pavement Planning, Butt Joints	60	SY	\$40.00	\$2,400.00
18	301	Asphalt Concrete Base 6", as per plan	24	CY	\$300.00	\$7,200.00
19	304	Aggregate Base 6", Limestone	25	CY	\$70.00	\$1,750.00
20	407	Tack Coat @ 0.1 Gal/SY, Nontracking	55	GAL	\$4.00	\$220.00
21	407	Tack Coat @ 0.05 Gal/SY, Nontracking	7	GAL	\$4.00	\$28.00
22	411	Stabilized Crushed Aggregate, as per plan, Berm	15	CY	\$80.00	\$1,200.00
23	441	Asphalt Concrete, Intermediate, PG64-22, Type 2, 1 3/4", as per plan	7	CY	\$350.00	\$2,450.00
24	441	Asphalt Concrete, Surface, PG64-22, Type 1, 1 1/4", as per plan	19	CY	\$400.00	\$7,600.00
25	509	Epoxy Coated Reinforcing Steel	2,520	LB	\$4.00	\$10,080.00
26	511	Class QC1 Concrete For Structures (As per Plan)	25	CY	\$650.00	\$16,250.00
27	512	Sealing of Concrete Surfaces (Epoxy Urethane)	35	SY	\$35.00	\$1,225.00
28	601	Rock Channel Protection, Type B Filter	58	CY	\$125.00	\$7,250.00
29	601	Crushed Aggregate Slope Protection with Geotextile Fabric	225	SY	\$35.00	\$7,875.00
30	601	Slope Erosion Control Protection Mat	1100	SY	\$3.00	\$3,300.00
31	602	Half-Height Headwall ODOT 2.1, 12"	1	EA	\$800.00	\$800.00
32	602	Half-Height Headwall ODOT 2.1, 15"	2	EA	\$1,000.00	\$2,000.00
33	602	Half-Height Endwall City of Columbus AA-S169 - 48"	2	EA	\$4,000.00	\$8,000.00
34	606	Guardrail, Type MGS	600.0	FT	\$30.00	\$18,000.00
35	606	Guardrail, Type MGS, 10 ft Radius	37.5	FT	\$30.00	\$1,125.00
36	606	Guardrail, Type MGS, 15 ft Radius	25.0	FT	\$30.00	\$750.00
37	606	Guardrail, Type MGS, 40 ft Radius	37.5	FT	\$30.00	\$1,125.00
38	606	Guardrail, Type MGS, 50 ft Radius	12.5	FT	\$30.00	\$375.00
39	606	Guardrail, Type T	6	EA	\$1,500.00	\$9,000.00
40	607	Fence, Type 47	94	FT	\$20.00	\$1,880.00
41	607	Fence Rebuilt, Vinyl	40	FT	\$10.00	\$400.00
42	626	Barrier Reflector, Type A-2	20	EA	\$10.00	\$200.00
43	611	6" Conduit, Type C, 707.33	10	FT	\$25.00	\$250.00
44	611	8" Conduit, Type C, 707.33	10	FT	\$30.00	\$300.00
45	611	10" Conduit, Type C, 707.33	10	FT	\$35.00	\$350.00

Ref.	Item	Description	Quant.	Unit	Unit Cost	Total Cost
46	611	12" Conduit, Type B, 707.33, as per plan	40	FT	\$65.00	\$2,600.00
47	611	12" Conduit, Type C, 707.33, as per plan	50	FT	\$42.50	\$2,125.00
48	611	15" Conduit, Type B, 707.33, as per plan	50	FT	\$75.00	\$3,750.00
49	611	15" Conduit, Type C, 707.33, as per plan	210	FT	\$50.00	\$10,500.00
50	611	48" Conduit, Type B, Class III, 706.02	80	FT	\$500.00	\$40,000.00
51	611	60" Conduit, Type B, Class III, 706.02	8	FT	\$1,000.00	\$8,000.00
52	611	Catch Basin, 2-2B	5	EA	\$1,500.00	\$7,500.00
53	611	Catch Basin, 2-3	1	EA	\$2,000.00	\$2,000.00
54	614	Maintaining Traffic	1	LS	\$6,000.00	\$6,000.00
55	623	Construction Layout Staking	1	LS	\$4,500.00	\$4,500.00
56	624	Mobilization	1	LS	\$4,500.00	\$4,500.00
57	630	Removal of Ground Mounted Sign for Reuse	1	EA	\$30.00	\$30.00
58	653	Topsoil 4", Furnished and Placed	170	CY	\$30.00	\$5,100.00
59	659	Seeding & Mulching, Class 1	1,500	SY	\$3.00	\$4,500.00
60	659	Commercial Fertilizer	0.14	TN	\$1,500.00	\$210.00
61	Special	Temporary Fence	100.00	LF	\$10.00	\$1,000.00
62	Special	Sandstone Placement for Erosion Control - Creek	1	LS	\$10,000.00	\$10,000.00
63	Special	Contingencies	1	LS	\$10,952.00	\$10,952.00

**Total = \$316,000.00**

**Electronically Signed:**  
*John Damm P.E., P.S.*  
 4/14/2022, 8:21:25 am

