

Project:**53rd Street Railroad Overcrossing Project - New Bridge**

NO.	ITEM	UNIT	QTY	UNIT COST	TOTAL
Mobilization and Traffic Control					
1	Mobilization	LS	1	\$ 335,000.00	\$ 335,000.00
2	Temp. Protection and Direction of Traffic	LS	1	\$ 10,000.00	\$ 10,000.00
3	Temporary Signs	SF	250	\$ 20.00	\$ 5,000.00
4	Temporary Barricades	EA	4	\$ 60.00	\$ 240.00
5	Flaggers	HR	500	\$ 40.00	\$ 20,000.00
6	Erosion Control	LS	1	\$ 5,000.00	\$ 5,000.00
7	Construction Entrances	EA	2	\$ 1,250.00	\$ 2,500.00
8	Sediment Fence, Unsupported	FT	1000	\$ 3.00	\$ 3,000.00
9	Temporary Mulching	AC	0.25	\$ 2,500.00	\$ 625.00
10	Pollution Control Plan	LS	1	\$ 2,000.00	\$ 2,000.00
Roadwork					
11	Removal of Structures and Obstructions	LS	1	\$ 5,000.00	\$ 5,000.00
12	Clearing and Grubbing	LS	1	\$ 6,500.00	\$ 6,500.00
13	Embankment	CY	127000	\$ 15.00	\$ 1,905,000.00
14	Subgrade Geotextile	SY	1220	\$ 1.50	\$ 1,830.00
Drainage and Sewers					
15	Catch Basin and Structures	EA	6	\$ 1,000.00	\$ 6,000.00
16	12-inch Culvert Pipe, 10-ft Depth	FT	300	\$ 200.00	\$ 60,000.00
17	Treatment Swales	FT	500	\$ 50.00	\$ 25,000.00
18	Realigning Dunawi Creek	CY	4700	\$ 8.00	\$ 37,600.00
Bridge					
19	48" Box, Prestressed Girders	FT	1596	\$ 310.00	\$ 494,760.00
20	Furnish Pile Driving Equipment	LS	1	\$ 40,000.00	\$ 40,000.00
21	Drive PP24x1.0	EA	16	\$ 1,500.00	\$ 24,000.00
22	Furnish PP24x1.0	LF	672	\$ 138.00	\$ 92,736.00
23	Pile Isolation Material (Pea Gravel)	CY	44	\$ 95.00	\$ 4,180.00
24	General Structural Concrete - 3300 psi	CY	56	\$ 500.00	\$ 28,000.00
25	General Structural Concrete - 4000 psi	CY	79	\$ 700.00	\$ 55,300.00
26	Structure Reinforcement	LB	15830	\$ 1.15	\$ 18,204.50
27	Granular Wall Backfill for Pile Caps	CY	30	\$ 95.00	\$ 2,850.00
28	Class 50 Riprap	CY	175	\$ 80.00	\$ 14,000.00
29	Bridge Combination Rail with Protective Fencing	FT	311	\$ 200.00	\$ 62,200.00
30	Bridge End Panel	SY	253	\$ 250.00	\$ 63,250.00
31	MSE Retaining Wall	SF	12480	\$ 80.00	\$ 998,400.00
Bases					
32	Cold Plane Pavement Removal, 0 to 2" Deep	SF	500	\$ 2.00	\$ 1,000.00
33	Aggregate Base	TON	10460	\$ 15.00	\$ 156,900.00
Wearing Surface					
34	Level 3, 3/4-in Dense HMAc	TON	3850	\$ 70.00	\$ 269,500.00
35	Concrete Curbs	LF	7000	\$ 20.00	\$ 140,000.00
36	Concrete Walks	SF	31060	\$ 5.00	\$ 155,300.00
Permanent Traffic Safety and Guidance Devices					
37	Guardrail, Type 2A	LF	250	\$ 40.00	\$ 10,000.00
38	Guardrail, Type 3	EA	50	\$ 50.00	\$ 2,500.00

39	Guardrail Transition	EA	4	\$	2,000.00	\$	8,000.00
40	Guardrail Terminals, Non-Flared, Test Level 3	EA	4	\$	2,500.00	\$	10,000.00
41	Painted Permanent Striping	FT	3500	\$	1.00	\$	3,500.00

Right-of-Way Development and Control

42	Permanent Seeding	AC	2	\$	2,500.00	\$	5,000.00
43	Planting	AC	2	\$	7,000.00	\$	14,000.00

ENGINEER'S ESTIMATE SUBTOTAL						\$	5,103,875.50
Contingency (30%)						\$	1,531,162.65

Other Project Costs

Wetland Mitigation (\$100,000/acre)	\$	400,000.00
Right-of-way (\$325,000/acre)	\$	1,100,000.00
Anticipated Railroad Costs (flagging)	\$	20,000.00
Preliminary Engineering	\$	108,000.00
Engineering for Final PS&E	\$	55,000.00
Construction Engineering	\$	81,500.00

TOTAL	\$	8,399,538.15
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