

Engineer's Opinion of Costs

Project Number: 105542A	Project Engineer: Robert Karber
Estimate Number: 2	Date Created: 10/8/2009
Project Type: Miscellaneous	Fed/State #:
Location: Detroit	Fed Item:
	Control Section: STU 82400

Description: ADA Curb Ramp Construction and Upgrades for Intersections between the Detroit River, I-75, M-10, and I-375

Line	Pay Item	Description	Quantity	Units	Unit Price	Total
0001	1000001	Mobilization, Max. ____ 10%	1.00	LS	\$151,040.90	\$151,040.90
0002	2020008	Stump, Rem, 6 inch to 18 inch	2.00	Ea	\$60.00	\$120.00
0003	2030010	Dr Structure, Abandon	1.00	Ea	\$500.00	\$500.00
0004	2030011	Dr Structure, Rem	5.00	Ea	\$200.00	\$1,000.00
0005	2040010	Masonry and Conc Structure, Rem	100.00	Cyd	\$100.00	\$10,000.00
0006	2040013	Sidewalk, Rem	13,036.00	Syd	\$3.00	\$39,108.00
0007	2047001	_ Curb, Rem, Modified	14,153.00	Ft	\$5.00	\$70,765.00
0008	2047011	_ Pavt, Rem, Modified	2,889.00	Syd	\$5.00	\$14,445.00
0009	2047021	_ Basement Cleanout, Modified	90.00	Cyd	\$30.00	\$2,700.00
0010	2057021	_ Excavation, Earth, Modified	300.00	Cyd	\$6.00	\$1,800.00
0011	2057021	_ Granular Material, Cl II, Modified	200.00	Cyd	\$12.00	\$2,400.00
0012	2080006	Erosion Control, Inlet Protection, Fabric Drop	100.00	Ea	\$75.00	\$7,500.00
0013	3020010	Aggregate Base, 4 inch	498.00	Syd	\$5.00	\$2,490.00
0014	4020033	Sewer, Cl A, 12 inch, Tr Det B	36.00	Ft	\$32.00	\$1,152.00
0015	4021275	Video Taping Sewer and Culv Pipe	36.00	Ft	\$1.50	\$54.00
0016	4030061	Dr Structure, Tap, 6 inch	10.00	Ea	\$150.00	\$1,500.00
0017	4037001	_ Sewer Cleanout, Modified	2,500.00	Ft	\$1.00	\$2,500.00
0018	4037030	_ ADA Grate	1,000.00	Lb	\$2.00	\$2,000.00
0019	4037030	_ Dr Structure Cover, Modified	1,000.00	Lb	\$1.00	\$1,000.00
0020	4037050	_ Catch Basin BT, Modified	5.00	Ea	\$1,000.00	\$5,000.00
0021	4037050	_ Catch Basin, 18 inch x 12 inch, Special 'Y', Modified	1.00	Ea	\$600.00	\$600.00
0022	4037050	_ Dr Structure Cleaning, Modified	100.00	Ea	\$70.00	\$7,000.00
0023	4037050	_ Dr Structure Cover, Adj, Case 1, Modified	98.00	Ea	\$300.00	\$29,400.00

Line	Pay Item	Description	Quantity	Units	Unit Price	Total
0024	4037050	_ Dr Structure Cover, Adj, Case 2, Modified	3.00	Ea	\$300.00	\$900.00
0025	4037050	_ Reconstructing Dr Structure, Case 1, Modified	10.00	Ea	\$600.00	\$6,000.00
0026	4037050	_ Reconstructing Dr Structure, Case 2, Modified	10.00	Ea	\$600.00	\$6,000.00
0027	4037050	_ Water Shutoff, Adj, Modified	10.00	Ea	\$150.00	\$1,500.00
0028	4040083	Underdrain, Subgrade, Open-Graded, 6 inch	1,000.00	Ft	\$5.00	\$5,000.00
0029	5020025	Hand Patching	437.00	Ton	\$75.00	\$32,775.00
0030	5027011	_ HMA Surface, Rem, Modified	2,656.00	Syd	\$15.00	\$39,840.00
0031	6020108	Conc Pavt, Nonreinf, 10 inch	398.00	Syd	\$50.00	\$19,900.00
0032	6027131	_ Cement, Modified	50.00	Ton	\$200.00	\$10,000.00
0033	6030020	Joint, Contraction, Crg	1,976.00	Ft	\$9.00	\$17,784.00
0034	6030030	Lane Tie, Epoxy Anchored	5,029.00	Ea	\$5.00	\$25,145.00
0035	6057021	_ Concrete Quality Control, Modified	3,290.00	Cyd	\$4.50	\$14,805.00
0036	7060010	Substructure Conc	50.00	Cyd	\$400.00	\$20,000.00
0037	7060034	Reinforcement, Steel	4,180.00	Lb	\$1.50	\$6,270.00
0038	7067050	_ Remove and Reinstall Existing Bollard	4.00	Ea	\$500.00	\$2,000.00
0039	7070002	Structural Steel, Rolled Shape, Erect	1,000.00	Lb	\$0.50	\$500.00
0040	7077030	_ Structural Steel, Rolled Shape, Furn and Fab, Modified	1,000.00	Lb	\$2.00	\$2,000.00
0041	7100008	Membrane, Preformed Waterproofing	2,000.00	Sft	\$3.00	\$6,000.00
0042	7107010	_ Drainage Composite	1,000.00	Sft	\$5.00	\$5,000.00
0043	7120028	Adhesive Anchoring of Horizontal Bar, 3/4 inch	80.00	Ea	\$20.00	\$1,600.00
0044	7120034	Adhesive Anchoring of Vertical Bar, 3/4 inch	350.00	Ea	\$15.00	\$5,250.00
0045	7120040	Bolt, Adhesive Anchored, 1/2 inch	40.00	Ea	\$8.00	\$320.00
0046	8027001	_ Curb and Gutter, Conc, Det C3, Modified	14,084.00	Ft	\$14.00	\$197,176.00
0047	8027001	_ Curb, Conc, Detail CD, Modified	4,624.00	Ft	\$15.00	\$69,360.00
0048	8027050	_ 24 inch x 60 inch Detectable Warning Surface Tiles, Modified	666.00	Ea	\$120.00	\$79,920.00
0049	8037010	_ Sidewalk Ramp, ADA, 6 inch, Modified	54,856.00	Sft	\$6.00	\$329,136.00
0050	8037010	_ Sidewalk, Conc, 4 inch, Modified	65,783.00	Sft	\$4.00	\$263,132.00
0051	8037010	_ Sidewalk, Conc, 6 inch, Modified	1,000.00	Sft	\$5.00	\$5,000.00
0052	8077050	_ Relocate/Reset Mail Box	4.00	Ea	\$500.00	\$2,000.00

Line	Pay Item	Description	Quantity	Units	Unit Price	Total
0053	8077050	_ Remove Minor Object	11.00	Ea	\$100.00	\$1,100.00
0054	8077050	_ Reset Misc Item	3.00	Ea	\$200.00	\$600.00
0055	8077050	_ Reset Planter	1.00	Ea	\$400.00	\$400.00
0056	8077050	_ Reset Sign	103.00	Ea	\$200.00	\$20,600.00
0057	8080007	Fence, Protective	300.00	Ft	\$4.00	\$1,200.00
0058	8087001	_ Remove and Replace Existing Fence	300.00	Ft	\$5.00	\$1,500.00
0059	8100179	Sign, Type IB	50.00	Sft	\$25.00	\$1,250.00
0060	8100200	Sign, Type I, Rem	5.00	Ea	\$200.00	\$1,000.00
0061	8110150	Rem Spec Mrkg	4,888.00	Sft	\$0.65	\$3,177.20
0062	8117001	_ Pavt Mrkg, Preformed, Patterned, 12 inch, White Zebra Crosswalk, Modified	1,020.00	Ft	\$4.00	\$4,080.00
0063	8117001	_ Pavt Mrkg, Preformed, Patterned, 18 inch, Stop Bar, Modified	1,154.00	Ft	\$10.00	\$11,540.00
0064	8117001	_ Pavt Mrkg, Preformed, Patterned, 6 inch Crosswalk, Modified	5,273.00	Ft	\$2.00	\$10,546.00
0065	8120030	Flag Control	1.00	LS	\$22,500.00	\$22,500.00
0066	8120035	High Intensity Light, Type B, Furn	20.00	Ea	\$10.00	\$200.00
0067	8120036	High Intensity Light, Type B, Oper	15.00	Ea	\$5.00	\$75.00
0068	8120042	Lighted Arrow, Type C, Furn	4.00	Ea	\$400.00	\$1,600.00
0069	8120043	Lighted Arrow, Type C, Oper	3.00	Ea	\$100.00	\$300.00
0070	8120050	Minor Traf Devices	1.00	LS	\$22,500.00	\$22,500.00
0071	8120090	Pavt Mrkg, Type R, 4 inch, White, Temp	1,200.00	Ft	\$1.00	\$1,200.00
0072	8120100	Plastic Drum, High Intensity, Furn	80.00	Ea	\$20.00	\$1,600.00
0073	8120101	Plastic Drum, High Intensity, Oper	50.00	Ea	\$2.00	\$100.00
0074	8120120	Sign, Type B, Temp, Furn	3,280.00	Sft	\$4.00	\$13,120.00
0075	8120121	Sign, Type B, Temp, Oper	2,624.00	Sft	\$1.00	\$2,624.00
0076	8160025	Mulch	100.00	Syd	\$0.50	\$50.00
0077	8160042	Seeding, Mixture TUF	100.00	Lb	\$4.00	\$400.00
0078	8160090	Water, Sodding/Seeding	50.00	Unit	\$25.00	\$1,250.00
0079	8167021	_ Topsoil Surface, Furn, LM, Modified	200.00	Cyd	\$15.00	\$3,000.00
0080	8200065	Fdn, Rem	8.00	Ea	\$350.00	\$2,800.00
0081	8207050	_ Non-Ferrous Handhole, Adj	11.00	Ea	\$250.00	\$2,750.00

Line	Pay Item	Description	Quantity	Units	Unit Price	Total
Estimate Total:						\$1,661,450.10