

**Table 1: East Medical Center Drive Bridge Rehabilitation and Widening Project
Total Project Cost Estimation as of 11/29/2023**

Category	Estimated Total Costs			Billed to date Costs			Notes
	Total	City	UM	Total	City	UM	
	Design Costs for DLZ Michigan	\$ 1,026,770.20	\$ 397,769.62	\$ 629,000.58	\$ 1,026,770.20	\$ 397,769.62	
Redesign Costs for DLZ Michigan	\$ 615,216.72	\$ 153,804.18	\$ 461,412.54	\$ 321,161.37	\$ 80,290.34	\$ 240,871.03	Per Resolution R -23-098, 25% City; 75% UM
Amtrak Permit to Enter - Construction	\$ 12,000.00	\$ 6,000.00	\$ 6,000.00	\$ -	\$ -	\$ -	50% City; 50% UM; some already paid by the City but not billed to UM yet.
Construction Costs for CA Hull	\$ 10,173,757.03	\$ 4,227,464.19	\$ 5,946,292.85	\$ -	\$ -	\$ -	See T3 (CA Hull Bid 11/16/23 Breakdown)
Construction Contingency - 10%	\$ 1,000,000.00	\$ 420,000.00	\$ 580,000.00	\$ -	\$ -	\$ -	City - 42%; UM - 58%
Construction Engineering, Surveying, Material Testing & Inspections	\$ 925,367.00	\$ 388,654.14	\$ 536,712.86	\$ -	\$ -	\$ -	From Fishbeck Bid 11/14/22
Construction Engineering, Surveying, Material Testing & Inspections Contingency - 10%	\$ 100,000.00	\$ 42,000.00	\$ 58,000.00	\$ -	\$ -	\$ -	City - 42%; UM - 58%
Utility Relocation Costs - ATT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	ATT will cover their own relocation costs and not ask for any reimbursement. Confirmed via email.
Utility Inspection Costs - DTE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Leigh Merrill confirmed zero costs via email.
Total Project Costs*	\$ 13,853,110.95	\$5,635,692.13	\$8,217,418.83	\$ 1,347,931.57	\$ 478,059.96	\$ 869,871.61	

*Notes: The actual total project cost will depend on the detailed breakdown allocations per tables T2 and T3 and final invoices from consultants/contractors. Most utility relocation cost will be paid internally by UM and the City or have already been included in Construction Cost categories split. Internal personnel costs are not included.

Design Costs (Sept 2021 to March 2023)		Total Percentages					
Phase Names/ Tasks	Description	Original Estimated Phase Fee	Actual Phase Fee Billed	City (%)	City ¹	UM (%)	UM ¹
Phase - Project Management	Lowered Phase Fee estimate given project is near completion and moved it to Design 3000.	\$ 90,605.15	\$92,605.15	50%	\$46,303	50%	\$46,303
Phase - Utility Coordination	General utility coordination. Needed in general whether for widening or rehabilitation. Going forward will be under 3002 Utility Coordination	\$ 6,459.91	\$5,692.08	50%	\$2,846	50%	\$2,846
Phase 2000 - Alternative Design Analysis	Actual billing was/will be based on subtasks 2000 to 2300 percentages below.	\$ 130,788.82	\$ -		\$0		\$0
Task 2000 Utilities	General utility designs and investigative work before final temp/perm relocation plan is decided ie where on the bridge should ducts go, embedded in the road, under which area. Coordination with utility companies DTE, ATT. Investigative work / exhibits on how to handle fiber options cables under the railroad and UM and ATT cables relocation ie bridge cross section ideas. 92% billed from 9/1/21-1/28/22		\$ 62,530.27	50%	\$31,265	50%	\$31,265
Task 2100 Bridge	Initial design work for superstructure/deck etc.		\$ 17,965.09	50%	\$8,983	50%	\$8,983
Task 2200 Road	Initial design work for extra lane on bridge.		\$ 4,614.03	0%	\$0	100%	\$4,614
Task 2300 MOT/Traffic/Signals	Traffic - initial modeling, 3 options for MOT (Chuck F.). MOT- brainstorming/ research, presentation for CC (Matt) Hrs City Council/Trans Commission/presentation and UM exhibits are under another phase -Stakeholder Engagement- Design. 80% billed from 9/1/21--2/25/22		\$ 45,679.43	50%	\$22,840	50%	\$22,840
Phase 3000 Design	Assuming 50%/50% split for purposes of estimating total ONLY. Actual billing will be based on subtasks percentages agreed below Tasks 3000 to 3800.	\$ 519,741.83	\$ 169.27	50%	\$85	50%	\$85
Task 3000 Preliminary Utilities			\$ 8,773.70	50%	\$4,387	50%	\$4,387
Task 3002 Utility Coordination			\$ 439.23	50%	\$220	50%	\$220
Task 3100 Preliminary Bridge Rehab			\$ 44,471.61	50%	\$22,236	50%	\$22,236
Task 3101 Preliminary Bridge Widening			\$ 26,101.82	0%	\$0	100%	\$26,102
Task 3200 Preliminary Road	Design work for the extra lane on the bridge.		\$ 15,419.16	0%	\$0	100%	\$15,419
Task 3300 Preliminary MOT/Traffic/Signals	Traffic - modeling the different options (Chuck F.). MOT- brainstorming/ research, creating exhibits.		\$ 43,845.91	50%	\$21,923	50%	\$21,923
Task 3400 Final Utilities	Final utility relocation plan on bridge for UM, City and ATT.		\$ 7,029.29	50%	\$3,515	50%	\$3,515
Task 3500 Final Bridge Rehab			\$ 163,139.12	50%	\$81,570	50%	\$81,570
Task 3501 Final Bridge Widening			\$ 83,944.77	0%	\$0	100%	\$83,945
Task 3600 Final Road	Change Order #2B (Widening) will be charged here		\$ 56,377.69	0%	\$0	100%	\$56,378
Task 3700 Final MOT Traffic Signals			\$ 72,838.55	50%	\$36,419	50%	\$36,419
Task 3800 Maiden Utility Relocation Project	All hours related to the design/coordination for Maiden Ln ducts on north side of Fuller for just UM fiber. City is PM.	Unknown	\$ 6,124.17	0%	\$0	100%	\$6,124
Phase 4000 - Geotechnical Services	Primarily for widening purpose. 9 borings total: 7 for widening, 2 for path underneath the bridge.	\$ 5,542.97	\$ 5,542.97	25%	\$1,386	75%	\$4,157
Phase 5000 - Stakeholder Engagement - Design	During design process, until April 2023. Primary Stakeholders: City, UM, Amtrak, Utility owners and MDOT.	\$ 21,117.50	\$ 21,099.70	50%	\$10,550	50%	\$10,550
Phase 6000 - DADC	During construction, after April 1, 2023. Review RFIs, shop drawings etc.	\$ 35,968.88	\$ 5,621.84	50%	\$2,811	50%	\$2,811
Phase 7000 - Public Meetings (Phase deleted; Original phase budget of \$34,693.35 was reallocated to Phase 3000 Design)	Informational meetings for public/UM employees on project milestones/ traffic detours, construction impacts. UM and City do not think its needed, we will most likely not have any.	\$ -	\$ -	0%	\$0	0%	\$0
Phase 8000 - Stakeholder Engagement - Const	During construction, after April 1, 2023. Primary Stakeholders: City, UM, Amtrak, Utility owners and MDOT.	\$ 12,043.55	\$ 8,479.47	50%	\$4,240	50%	\$4,240
Traffic Counts		\$ 18,698.40	\$ 12,224.81	50%	\$6,112	50%	\$6,112
Subcontractor Expense	Only 1 subcontractor U2, for utility coordination. Moved original Phase budget to Design Phase 3000.	\$ 46,721.78	\$ 36,557.15	50%	\$18,279	50%	\$18,279
Field Recon and Coord - Geotech		\$ 7,004.00	\$ 7,004.00	25%	\$1,751	75%	\$5,253
Field Exploration - Geotech		\$ 46,136.00	\$ 46,136.00	25%	\$11,534	75%	\$34,602
Eng Analysis & Report - Geotech		\$ 27,320.00	\$ 27,320.00	25%	\$6,830	75%	\$20,490
Laboratory - Geotech		\$ 13,670.50	\$ 13,670.50	25%	\$3,418	75%	\$10,253
Reimbursable Expenses	varies	\$ 13,500.00	\$ 13,603.86	50%	\$6,802	50%	\$6,802
Topographical Survey		\$ 28,000.00	\$ 28,000.00	50%	\$14,000	50%	\$14,000

Phase 9000 Pathway Engineering Services	Path design analysis and cost estimation for the pathway underneath the bridge (Change Order \$30, 177.39). Includes original RFP subtasks under Task 2 and 3 of design work to accommodate the future path in the future, ie retaining walls. Note: If it is decided to go ahead with construction of future path, City will ask for share costs with UM.	\$ 30,177.39	\$ 27,468.49	100%	\$27,468	0%	\$0
Slope Memo	Change Order #2A	\$ 6,760.00	\$ 6,760.00	0%	\$0	100%	\$6,760
Additional UM Traffic Modeling	Change Order #3	\$ 9,874.00	\$ 9,521.07	0%	\$0	100%	\$9,521
Total Contract Amount		\$ 1,070,130.68	\$1,026,770.20	39%	397,769.62	61%	\$629,000.58

Summary of Change Orders:

Change Order 1 - Pathway (100% City): \$30,177.39

Change Order 2 - Add'tl Slope Analysis for Widening Section & Widening of WMCD (100% UM): \$18,760.00

Change Order 3 - Traffic Memo for UM (100% UM): \$9874

Change Order 4 - Redesign for additional sidewalk width (75% UM; 25% City): \$615,216.72

ReDesign Costs (April 2023 to Present)		Total Percentages					
Phase Names/ Tasks	Description	Estimated Phase Fee	Actual Billed to date	City (%)	City¹	UM (%)	UM¹
Redesing for additional sidewalk width	Change Order #4	\$ 615,216.72	\$ 321,161.37	25%	\$80,290	75%	\$240,871
Estimated Total Contract Amount		\$ 615,216.72			\$80,290.34		\$240,871.03

Total Billed to Date to UM for Designor Redesign: **\$ 869,871.61**

PayItemCode	SupplementalDescription	Units	Quantity	50% City of Ann Arbor/50% UM			CA Hull Bid			
				UM Only		City of Ann Arbor Only	City of Ann Arbor Cost		UM Cost	Total Cost
				Category 1 Quantity	Category 2 Quantity	Category 3 Quantity	City of Ann Arbor Cost	UM Cost	Total Cost	
1047051	Certified Payroll Compliance and Reporting	LSUM	1	1			\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	
1047051	Project Supervision, Max \$175,000	LSUM	1	1			\$ 87,500.00	\$ 87,500.00	\$ 175,000.00	
1077060	Relocation and Site Cleanup	Dir	15000	15000			\$ 7,500.00	\$ 7,500.00	\$ 15,000.00	
2010001	Clearing	Acres	0.2	0.2			\$ 2,000.00	\$ 2,000.00	\$ 4,000.00	
2040035	Guardrail, Rem	Ft	176	176			\$ 550.00	\$ 550.00	\$ 1,100.00	
2040050	Pavt, Rem	Syd	192	192			\$ 4,800.00	\$ 4,800.00	\$ 9,600.00	
2040061	Structures, Rem Portions(STR 11065)	LSUM	1	1			\$ 1,302,000.00	\$ 1,302,000.00	\$ 2,604,000.00	
2040080	Exploratory Investigation, Vertical	Ft	200		150		\$ 875.00	\$ 6,125.00	\$ 7,000.00	
2047001	Curb and Gutter, Any Type or Size, Rem	Ft	381	50	311		\$ 875.00	\$ 8,650.00	\$ 9,525.00	
2047011	Sidewalk and Drive, Any Type or Thickness, Rem	Syd	641	443	198		\$ 3,322.50	\$ 6,292.50	\$ 9,615.00	
2057002	Machine Grading, Modified	Sta	2.3		2.3		\$ -	\$ 2,300.00	\$ 2,300.00	
2057021	Non-Hazardous Contaminated Material Handling and Disposal (LM)	Cyd	400	200		200	\$ 15,000.00	\$ 5,000.00	\$ 20,000.00	
2060002	Backfill, Structure, CIP	Cyd	1350	510	500	340	\$ 44,625.00	\$ 56,625.00	\$ 101,250.00	
2060010	Excavation, Fdn	Cyd	1410	510	500	400	\$ 1,310.00	\$ 1,510.00	\$ 2,820.00	
2067050	Dewatering System, Excavation	Ea	2		2		\$ -	\$ 10,000.00	\$ 10,000.00	
2080036	Erosion Control, Silt Fence	Ft	1289	1289			\$ 2,578.00	\$ 2,578.00	\$ 5,156.00	
2087050	Erosion Control, Inlet Protection	Ea	7	5	2		\$ 312.50	\$ 562.50	\$ 875.00	
2090001	Project Cleanup	LSUM	1	1			\$ 0.01	\$ 0.01	\$ 0.01	
3027021	Aggregate Base Course, 21AA, Modified	Cyd	99	43	56		\$ 2,687.50	\$ 9,687.50	\$ 12,375.00	
3027021	Sand Subbase Course, Class II, CIP	Cyd	145	16	94	35	\$ 4,300.00	\$ 10,200.00	\$ 14,500.00	
4030005	Dr Structure Cover, Adj, Case 1	Ea	2		2		\$ -	\$ 5,000.00	\$ 5,000.00	
4030050	Dr Structure Cover, Type K	Ea	4	2	2		\$ 750.00	\$ 2,250.00	\$ 3,000.00	
4030390	Dr Structure, Temp Lowering	Ea	4	2	2		\$ 750.00	\$ 2,250.00	\$ 3,000.00	
4037050	Dr Structure Cover, Adj	Ea	2	2			\$ 750.00	\$ 750.00	\$ 1,500.00	
4037050	Utility Structure Cover, Adj, Case 1	Ea	1	1			\$ 1,250.00	\$ 1,250.00	\$ 2,500.00	
5012013	HMA, 3EML	Ton	146	64	82		\$ 9,760.00	\$ 34,770.00	\$ 44,530.00	
5012037	HMA, 5EML	Ton	244	222	22		\$ 29,970.00	\$ 35,910.00	\$ 65,880.00	
5017011	Cold Milling HMA Surface, Modified	Syd	1501	1501			\$ 8,255.50	\$ 8,255.50	\$ 16,511.00	
5017031	Hand Patching, Modified	Ton	70	70			\$ 10,325.00	\$ 10,325.00	\$ 20,650.00	
6030014	Cold Milling Conc Pavt	Syd	26	26			\$ 143.00	\$ 143.00	\$ 286.00	
7040001	Steel Sheet Piling, Permanent	Sft	6870			6870	\$ 343,500.00	\$ -	\$ 343,500.00	
7040002	Steel Sheet Piling, Temp	Sft	360	360			\$ 1.80	\$ 1.80	\$ 3.60	
7040003	Steel Sheet Piling, Temp, Left in Place	Sft	520		520		\$ -	\$ 26,000.00	\$ 26,000.00	
7057050	Micropile, Load Test, Proof, LRFD	Ea	4		4		\$ -	\$ 64,000.00	\$ 64,000.00	
7057050	Micropile, Load Test, Verification, LRFD	Ea	1		1		\$ -	\$ 25,000.00	\$ 25,000.00	
7057050	Micropile, Type B, Furn and Install, LRFD	Ea	20		20		\$ -	\$ 250,892.00	\$ 250,892.00	
7057051	Micropile, Mobilization, LRFD (STR 11065)	LSUM	1		1		\$ -	\$ 95,000.00	\$ 95,000.00	
7060001	Bridge Ltg, Furn and Rem (STR 11065)	LSUM	1	1			\$ 0.01	\$ 0.01	\$ 0.01	
7060002	Bridge Ltg, Oper and Maintain	Cyd	458	387	71		\$ 1.94	\$ 2.65	\$ 4.58	
7060040	Elec Grounding System	Ea	1	1			\$ 3,750.00	\$ 3,750.00	\$ 7,500.00	
7060050	Expansion Joint Device	Ft	204	163	41		\$ 28,525.00	\$ 42,875.00	\$ 71,400.00	
7060060	False Decking	Sft	20230	20230			\$ 101.15	\$ 101.15	\$ 202.30	
7060092	Reinforcement, Steel, Epoxy Coated	Lb	178750	141785	35446	1519	\$ 133,961.28	\$ 196,726.23	\$ 330,687.50	
7060100	Substructure Conc	Cyd	297	162	135		\$ 202,500.00	\$ 540,000.00	\$ 742,500.00	
7060110	Superstructure Conc	Cyd	114	114			\$ 12,825.00	\$ 12,825.00	\$ 25,650.00	
7060111	Superstructure Conc, Form, Finish, and Cure (STR 11065)	LSUM	1	1			\$ 50,000.00	\$ 50,000.00	\$ 100,000.00	
7060112	Superstructure Conc, Form, Finish, and Cure, Night Casting (STR 11065)	LSUM	1	0.9	0.1		\$ 273,150.00	\$ 333,850.00	\$ 607,000.00	
7060113	Superstructure Conc, Night Casting	Cyd	458	387	71		\$ 48,375.00	\$ 66,125.00	\$ 114,500.00	
7060140	Water Repellent Treatment, Penetrating Conc, Grade 4500	Syd	59	59			\$ 3,672.75	\$ 3,672.75	\$ 7,345.50	
7062003	Expansion Joint Device, Cover Plate, Modified	Ft	56	56			\$ 8,400.00	\$ 8,400.00	\$ 16,800.00	
7070019	Bearing, Elastomeric, 2 3/4 inch	Sin	6336	4851	1485		\$ 12,127.50	\$ 19,552.50	\$ 31,680.00	
7070021	Bearing, Elastomeric, 3 1/4 inch	Sin	5880	4510	1370		\$ 11,275.00	\$ 18,125.00	\$ 29,400.00	
7070040	Shear Developers (STR 11065)	LSUM	1		0.75	0.25	\$ 11,250.00	\$ 33,750.00	\$ 45,000.00	
7070050	Structural Steel, Mixed, Erect	Lb	59319	43047	16272		\$ 53,808.75	\$ 94,488.75	\$ 148,297.50	
7070051	Structural Steel, Mixed, Furn and Fab	Lb	59319	43047	16272		\$ 107,617.50	\$ 188,977.50	\$ 296,595.00	
7070070	Structural Steel, Rolled Shape, Erect	Lb	77700		77700		\$ -	\$ 194,250.00	\$ 194,250.00	
7070071	Structural Steel, Rolled Shape, Furn and Fab	Lb	77700		77700		\$ -	\$ 388,500.00	\$ 388,500.00	
7070051	Structural Steel, Galvanizing (STR 11065)	LSUM	1	1			\$ 225,000.00	\$ 225,000.00	\$ 450,000.00	
7100001	Joint Waterproofing	Sft	770	770			\$ 2,887.50	\$ 2,887.50	\$ 5,775.00	
7100003	Joint Waterproofing, Expansion	Sft	10	10			\$ 75.00	\$ 75.00	\$ 150.00	
7100030	Substructure Horizontal Surface Sealer (STR 11065)	Syd	93	93			\$ 3,847.88	\$ 3,847.88	\$ 7,695.75	
7110005	Bridge Railing, Aesthetic Parapet Tube	Ft	323	323			\$ 40,375.00	\$ 40,375.00	\$ 80,750.00	
7120007	Hand Chipping, Other Than Deck	Cft	130	130			\$ 32,500.00	\$ 32,500.00	\$ 65,000.00	
7120017	Patch, Forming	Sft	520	520			\$ 32,500.00	\$ 32,500.00	\$ 65,000.00	
7120020	Epoxy Ovly	Syd	1020	1020			\$ 17,467.50	\$ 17,467.50	\$ 34,935.00	
7120028	Adhesive Anchoring of Horizontal Bar, 3/4 inch	Ea	92		92		\$ -	\$ 4,600.00	\$ 4,600.00	
7120034	Adhesive Anchoring of Vertical Bar, 3/4 inch	Ea	8		8		\$ -	\$ 800.00	\$ 800.00	
7120084	Reinforcement, Mechanical Splice	Ea	796	796			\$ 21,890.00	\$ 21,890.00	\$ 43,780.00	
7120098	Flushing Cracks, Water	Ft	150	150			\$ 0.75	\$ 0.75	\$ 1.50	
7120099	Structural Crack, Repr	Ft	150	150			\$ 3,581.25	\$ 3,581.25	\$ 7,162.50	
7120112	Patching Conc, C-L	Cyd	5	5			\$ 3,750.00	\$ 3,750.00	\$ 7,500.00	
7120120	Embedded Galvanic Anode	Ea	555	555			\$ 5,550.00	\$ 5,550.00	\$ 11,100.00	
7130010	Beam Plate, Seal Perimeter	Ft	2220	2220			\$ 277.50	\$ 277.50	\$ 555.00	
8027001	Curb and Gutter, Conc, 18 Inch, Any Type	Ft	277	50	227		\$ 1,000.00	\$ 10,080.00	\$ 11,080.00	
8027001	Curb and Gutter, Conc, 24 Inch, Any Type	Ft	111	34	77		\$ 765.00	\$ 4,230.00	\$ 4,995.00	
8030030	Curb Ramp Opening, Conc	Ft	40		40		\$ -	\$ 1,800.00	\$ 1,800.00	
8037010	Concrete Sidewalk, 6 Inch	Sft	4713	2833		1880	\$ 26,372.00	\$ 11,332.00	\$ 37,704.00	
8037010	Concrete Sidewalk, 8 Inch	Sft	3510		3510		\$ -	\$ 31,590.00	\$ 31,590.00	
8037010	Detectable Warning Surface	Sft	64		64		\$ -	\$ 3,520.00	\$ 3,520.00	
8037010	Sidewalk Ramp, Concrete, 8 Inch	Sft	229		229		\$ -	\$ 3,435.00	\$ 3,435.00	
8070044	Guardrail Approach Terminal, Type 2M	Ea	2	2			\$ 3,975.00	\$ 3,975.00	\$ 7,950.00	

8070052	Guardrail Departing Terminal, Type MGS	Ea	2	2			\$ 1,575.00	\$ 1,575.00	\$ 3,150.00
8072179	Guardrail, Type MGS-8, 72 inch Post	Ft	152	152			\$ 2,508.00	\$ 2,508.00	\$ 5,016.00
8080110	Fence, Structure	Sft	2635	2635			\$ 22,397.50	\$ 22,397.50	\$ 44,795.00
8087001	Fence, Temp	Ft	2666	2666			\$ 15,996.00	\$ 15,996.00	\$ 31,992.00
8087001	Post and Chain Fence, Salvage	Ft	84			84	\$ -	\$ 840.00	\$ 840.00
8087001	Tree Fence, Protective	Ft	47	47			\$ 235.00	\$ 235.00	\$ 470.00
8087050	Gate, Temp	Ea	2	2			\$ 2,000.00	\$ 2,000.00	\$ 4,000.00
8100398	Sign, Type IIA	Sft	20	20			\$ 350.00	\$ 350.00	\$ 700.00
8100399	Sign, Type IIB	Sft	20	20			\$ 350.00	\$ 350.00	\$ 700.00
8100402	Sign, Type III, Erect, Salv	Ea	4	4			\$ 350.00	\$ 350.00	\$ 700.00
8107050	Hospital Sign and Foundation, Relocate	Ea	2			2	\$ -	\$ 39,000.00	\$ 39,000.00
8110091	Pavt Mrkg, Polyurea, 4 inch, White	Ft	685	685			\$ 1,198.75	\$ 1,198.75	\$ 2,397.50
8110092	Pavt Mrkg, Polyurea, 4 inch, Yellow	Ft	504	504			\$ 882.00	\$ 882.00	\$ 1,764.00
8110110	Pavt Mrkg, Polyurea, 12 inch, Crosswalk	Ft	55	55			\$ 178.75	\$ 178.75	\$ 357.50
8110114	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	Ft	58	58			\$ 435.00	\$ 435.00	\$ 870.00
8110153	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	Ft	386	386			\$ 482.50	\$ 482.50	\$ 965.00
8110154	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	Ft	602	602			\$ 752.50	\$ 752.50	\$ 1,505.00
8110307	Rem Curing Compound, for Longit Mrkg, 4 inch	Ft	791	791			\$ 454.83	\$ 454.83	\$ 909.65
8110321	Rem Curing Compound, for Spec Mrkg	Sft	211	211			\$ 369.25	\$ 369.25	\$ 738.50
8110343	Rem Spec Mrkg	Sft	1000	1000			\$ 1,750.00	\$ 1,750.00	\$ 3,500.00
8110405	Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	Ea	7	7			\$ 787.50	\$ 787.50	\$ 1,575.00
8110410	Pavt Mrkg, Polyurea, Only	Ea	13	13			\$ 1,462.50	\$ 1,462.50	\$ 2,925.00
8110412	Pavt Mrkg, Polyurea, Rt Turn Arrow Sym	Ea	6	6			\$ 675.00	\$ 675.00	\$ 1,350.00
8110418	Pavt Mrkg, Polyurea, Thru Arrow Sym	Ea	3	3			\$ 322.50	\$ 322.50	\$ 645.00
8117001	Recessing Pavt Mrkg, Longitudinal	Ft	2219	2219			\$ 1,275.93	\$ 1,275.93	\$ 2,551.85
8117001	Recessing Pavt Mrkg, Transverse	Ft	119	119			\$ 208.25	\$ 208.25	\$ 416.50
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	12	12			\$ 570.00	\$ 570.00	\$ 1,140.00
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	12	12			\$ 0.06	\$ 0.06	\$ 0.12
8120026	Pedestrian Type II Barricade, Temp	Ea	4	4			\$ 240.00	\$ 240.00	\$ 480.00
8120027	Pedestrian Type II Channelizer, Temp	Ft	60	60			\$ 600.00	\$ 600.00	\$ 1,200.00
8120035	Channelizing Device, 42 inch, Fluorescent, Furn	Ea	50	50			\$ 625.00	\$ 625.00	\$ 1,250.00
8120036	Channelizing Device, 42 inch, Fluorescent, Oper	Ea	50	50			\$ 0.25	\$ 0.25	\$ 0.50
8120040	Conc Barrier Ending, Temp, Det 2, Adj	Ea	2	2			\$ 400.00	\$ 400.00	\$ 800.00
8120041	Conc Barrier Ending, Temp, Det 2, Furn	Ea	2	2			\$ 3,500.00	\$ 3,500.00	\$ 7,000.00
8120042	Conc Barrier Ending, Temp, Det 2, Oper	Ea	2	2			\$ 500.00	\$ 500.00	\$ 1,000.00
8120080	Conc Barrier, Temp, Adj	Ft	100	100			\$ 100.00	\$ 100.00	\$ 200.00
8120081	Conc Barrier, Temp, Furn	Ft	100	100			\$ 1,000.00	\$ 1,000.00	\$ 2,000.00
8120082	Conc Barrier, Temp, Oper	Ft	100	100			\$ 250.00	\$ 250.00	\$ 500.00
8120140	Lighted Arrow, Type C, Furn	Ea	2	2			\$ 800.00	\$ 800.00	\$ 1,600.00
8120141	Lighted Arrow, Type C, Oper	Ea	2	2			\$ 0.01	\$ 0.01	\$ 0.02
8120160	Ltg for Night Work	LSUM	1	1			\$ 0.01	\$ 0.01	\$ 0.01
8120170	Minor Traf Devices, Max \$50,000	LSUM	1	1			\$ 25,000.00	\$ 25,000.00	\$ 50,000.00
8120210	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	Ft	1940	1940			\$ 921.50	\$ 921.50	\$ 1,843.00
8120211	Pavt Mrkg, Longit, Greater than 6 inch Width, Rem	Ft	30	30			\$ 14.85	\$ 14.85	\$ 29.70
8120245	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	Ft	2755	2755			\$ 3,443.75	\$ 3,443.75	\$ 6,887.50
8120246	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	Ft	4222	4222			\$ 5,277.50	\$ 5,277.50	\$ 10,555.00
8120252	Plastic Drum, Fluorescent, Furn	Ea	50	50			\$ 875.00	\$ 875.00	\$ 1,750.00
8120253	Plastic Drum, Fluorescent, Oper	Ea	50	50			\$ 0.25	\$ 0.25	\$ 0.50
8120257	Pavt Mrkg, Wet Reflective, Type R, Tape, Lt Turn Arrow	Ea	11	11			\$ 1,237.50	\$ 1,237.50	\$ 2,475.00
8120258	Pavt Mrkg, Wet Reflective, Type R, Tape, Rt Turn Arrow	Ea	2	2			\$ 225.00	\$ 225.00	\$ 450.00
8120259	Pavt Mrkg, Wet Reflective, Type R, Tape, Thru Arrow	Ea	22	22			\$ 2,365.00	\$ 2,365.00	\$ 4,730.00
8120265	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch, Stop Bar	Ft	195	195			\$ 1,462.50	\$ 1,462.50	\$ 2,925.00
8120310	Sign Cover	Ea	1	1			\$ 37.50	\$ 37.50	\$ 75.00
8120330	Sign, Portable, Changeable Message, Furn	Ea	4	4			\$ 9,000.00	\$ 9,000.00	\$ 18,000.00
8120331	Sign, Portable, Changeable Message, Oper	Ea	4	4			\$ 0.02	\$ 0.02	\$ 0.04
8120340	Sign, Type A, Temp, Prismatic, Furn	Sft	30	30			\$ 105.00	\$ 105.00	\$ 210.00
8120341	Sign, Type A, Temp, Prismatic, Oper	Sft	30	30			\$ 0.15	\$ 0.15	\$ 0.30
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	1022	1022			\$ 3,066.00	\$ 3,066.00	\$ 6,132.00
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	1022	1022			\$ 5.11	\$ 5.11	\$ 10.22
8120352	Sign, Type B, Temp, Prismatic, Spec, Furn	Sft	386	386			\$ 2,316.00	\$ 2,316.00	\$ 4,632.00
8120353	Sign, Type B, Temp, Prismatic, Spec, Oper	Sft	386	386			\$ 1.93	\$ 1.93	\$ 3.86
8120370	Traf Regulator Control	LSUM	1	1			\$ 0.01	\$ 0.01	\$ 0.01
8121000	Conc Barrier, Temp, Limited Deflection, Det 1, Furn	Ft	160	160			\$ 6,000.00	\$ 6,000.00	\$ 12,000.00
8121001	Conc Barrier, Temp, Limited Deflection, Det 1, Oper	Ft	160	160			\$ 400.00	\$ 400.00	\$ 800.00
8121100	Conc Barrier, Temp, Limited Deflection, Det 2, Furn	Ft	75	75			\$ 1,312.50	\$ 1,312.50	\$ 2,625.00
8121101	Conc Barrier, Temp, Limited Deflection, Det 2, Oper	Ft	75	75			\$ 187.50	\$ 187.50	\$ 375.00
8121102	Conc Barrier, Temp, Limited Deflection, Det 2, Adj	Ft	75	75			\$ 75.00	\$ 75.00	\$ 150.00
8121200	Conc Barrier, Temp, Limited Deflection, Det 3A, Furn	Ft	160	160			\$ 2,800.00	\$ 2,800.00	\$ 5,600.00
8121201	Conc Barrier, Temp, Limited Deflection, Det 3A, Oper	Ft	160	160			\$ 400.00	\$ 400.00	\$ 800.00
8122111	Pavt Mrkg, Wet Reflective, Type R, Tape, Only	Ea	4	4			\$ 450.00	\$ 450.00	\$ 900.00
8122145	Pavt Mrkg, Wet Reflective, Type R, Tape, Rt and Lt Turn Arrow Sym	Ea	2	2			\$ 255.00	\$ 255.00	\$ 510.00

