



90% ENGINEER'S OPINION OF CONSTRUCTION COST ESTIMATE

Proposed 24" PVC (C-905) Force Main
 Financial Project No. 250548-3-56-02
 State Road No. 5 (N. Roosevelt Boulevard)

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	TOTAL
24" PVC (C-905) Force Main					
102- 14	Traffic Control Officer	MH	\$32.00	96.00	\$3,072.00
102- 60	Work Zone Sign	ED	\$0.30	832.00	\$249.60
102- 71- 11	Barrier Wall, Temporary, F & I, Concrete	LF	\$15.00	710.00	\$10,650.00
102- 74- 1	Barricade, Temporary, Types I, II, DI, VP & Drum	ED	\$0.20	66.00	\$13.20
102- 74- 2	Barricade, Temporary, Types III, 6'	ED	\$0.40	172.00	\$68.80
102- 77	High Intensity Flashing Lights, Temporary, Type B	ED	\$0.30	141.00	\$42.30
102- 99	Portable Changeable Message Sign, Temporary, Variable Message Sign	ED	\$17.00	45.00	\$765.00
125-1	Excavation for Structures	CY	\$25.00	10.00	\$250.00
285-715	Optional Base, Base Group 15	SY	\$55.00	646.00	\$35,530.00
327- 70- 6	Milling Exist Asph Pavt, 1 1/2" Avg Depth	SY	\$3.00	1,015.00	\$3,045.00
334- 1- 13	Superpave Asphaltic Conc, Traffic C	TN	\$79.00	105.00	\$8,295.00
337- 7- 33	Asphalt Concrete Friction Course, Traffic C, FC-12.5, Rubber	TN	\$107.00	73.00	\$7,811.00
710- 11- 111	Painted Pavement Markings, Standard, White, Solid, 6"	NM	\$1,043.00	0.10	\$104.30
710- 11- 123	Painted Pavement Markings, Standard, White, Solid, 12"	LF	\$2.00	180.00	\$360.00
710- 11- 125	Painted Pavement Markings, Standard, White, Solid, 24"	LF	\$3.00	120.00	\$360.00
710- 11- 170	Painted Pavement Markings, Standard, White, Arrows	EA	\$22.00	1.00	\$22.00
710- 11-211	Painted Pavement Markings, Standard, Yellow, Solid, 6"	NM	\$1,021.00	0.25	\$251.17
1050- 11- 222	Utility Pipe (F&I) (PVC) (Sewer) (2" - 4")	LF	\$15.00	46.00	\$690.00
1050- 11- 223	Utility Pipe (F&I) (PVC) (Sewer) (5" - 7.9")	LF	\$250.00	515.00	\$128,750.00
1050- 11-224	Utility Pipe (F&I) (PVC) (Sewer) (8" - 19.9")	LF	\$80.00	332.00	\$26,560.00
1050- 11-225	Utility Pipe (F&I) (PVC) (Sewer) (20" - 49.9")	LF	\$110.00	9,104.00	\$1,001,440.00
1050- 11-925	Utility Pipe (F&I) (Special Material) (Sewer) (20" - 49.9")	LF	\$450.00	241.00	\$108,450.00
1050- 16-004	Utility Pipe (Remove and Dispose) (8" - 19.9")	LF	\$25.00	313.00	\$7,825.00
1050- 19-224	Utility Pipe (Temporary) (PVC) (Sewer) (8" -19.9")	LF	\$80.00	346.00	\$27,680.00
1055- 11-414	Utility Fittings (F&I) (D.I.) (Elbow) (8" - 19.9")	EA	\$500.00	15.00	\$7,500.00
1055- 11-415	Utility Fittings (F&I) (D.I.) (Elbow) (20" - 49.9")	EA	\$1,711.00	101.00	\$172,811.00
1055- 11-424	Utility Fittings (F&I) (D.I.) (Tee) (8" - 19.9")	EA	\$600.00	2.00	\$1,200.00
1055- 11-425	Utility Fittings (F&I) (D.I.) (Tee) (20" - 49.9")	EA	\$2,356.00	19.00	\$44,764.00
1055- 11-435	Utility Fittings (F&I) (D.I.) (Reducer) (20" - 49.9")	EA	\$2,150.00	3.00	\$6,450.00
1055- 11-454	Utility Fittings (F&I) (D.I.) (Cap/Plug) (8" - 19.9")	EA	\$300.00	11.00	\$3,300.00
1055- 11-455	Utility Fittings (F&I) (D.I.) (Cap/Plug) (20" - 49.9")	EA	\$1,280.00	3.00	\$3,840.00
1080- 11-203	Utility Fixture (F&I) (2" - 4.9") (Solid Sleeve)	EA	\$400.00	12.00	\$4,800.00
1080- 11-205	Utility Fixture (F&I) (2" - 4.9") (Blowoff Assembly)	EA	\$700.00	3.00	\$2,100.00
1080- 11-206	Utility Fixture (F&I) (2" - 4.9") (Air Release Assembly)	EA	\$700.00	30.00	\$21,000.00
1080- 11-304	Utility Fixture (F&I) (5" - 7.9") (Valve Assembly)	EA	\$800.00	24.00	\$19,200.00
1080- 11-403	Utility Fixture (F&I) (8" - 19.9") (Tap. Slv. & Tap. Valve)	EA	\$4,500.00	7.00	\$31,500.00
1080- 11-404	Utility Fixture (F&I) (8" - 19.9") (Valve Assembly)	EA	\$2,400.00	5.00	\$12,000.00
1080- 11-504	Utility Fixture (F & I) (20" - 49.9") (Valve Assembly)	EA	\$5,000.00	9.00	\$45,000.00
24" PVC (C-905) Force Main					\$1,747,749.37
102-1-	Maintenance of Traffic [M.O.T.] (5%)	LS	\$87,387.47	1	\$87,387.47
101-1-	Mobilization (5%)	LS	\$87,387.47	1	\$87,387.47
Total Estimated Construction Cost					\$1,922,524.30
999- 25	Contingency Fund (10%)				\$192,252.43
	Const. Engineering Administration [C.E.A.] (2%)				\$38,450.49
UTILITY WORK GRAND TOTAL					\$2,153,227.22