

Project Preliminary Design Estimate

Measure System: E

Date: Monday, August 2, 2021

Description: BILLERICA- REHABILITATION ON BOSTON ROAD (ROUTE 3A) FROM BILLERICA TOWN CENTER TO FLOYD STREET

District: 4

Extended Description: The proposed improvements will provide a consistent cross section of four lanes with shoulders and sidewalks between the Town center and Floyd Street. New traffic signals will be installed. Improved access will be implemented. Drainage will be upgraded. The Town Center will be reconfigured and signals upgraded to improve traffic operations.

Project: 605178

Item #	Description	Units	Type	Unit Price	FA - Surface Trans. Block Grant (STBG)	FA - Trans. Alternative Prgm (TAP)	FA - Congestion Mitigation/Air Quality (CMAQ)	NFA - Site Specific	BILLERICA - Other - Municipality (Non- Participating)	Total
100.	SCHEDULE OF OPERATIONS - FIXED PRICE \$70500	LS		\$70,500.00	1.000					\$70,500.00
101.	CLEARING AND GRUBBING	A		\$30,000.00	3.000					\$90,000.00
102.2	TREE TRIMMING	LS	*	\$15,000.00	1.000					\$15,000.00
102.511	TREE PROTECTION - ARMORING & PRUNING	EA	*	\$200.000	13.000					\$2,600.00
102.55	ARBORIST	HR	*	\$125.000	10.000					\$1,250.00
120.	EARTH EXCAVATION	CY		\$30.000	19000.000					\$570,000.00
121.	CLASS A ROCK EXCAVATION	CY		\$120.000	200.000					\$24,000.00
127.1	REINFORCED CONCRETE EXCAVATION	CY	*	\$250.000	50.000					\$12,500.00
129.5	TRACK EXCAVATION	FT	*	\$100.000	500.000					\$50,000.00
141.	CLASS A TRENCH EXCAVATION	CY		\$30.000	130.000					\$3,900.00
141.1	TEST PIT FOR EXPLORATION	CY		\$120.000	300.000					\$36,000.00
142.	CLASS B TRENCH EXCAVATION	CY		\$50.000	40.000					\$2,000.00
144.	CLASS B ROCK EXCAVATION	CY		\$150.000	180.000					\$27,000.00
146.	DRAINAGE STRUCTURE REMOVED	EA		\$500.000	35.000					\$17,500.00
150.1	SPECIAL BORROW	CY		\$40.000	50.000					\$2,000.00

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151.	GRAVEL BORROW	CY		\$28.000	12000.000					\$336,000.00
153.	CONTROLLED DENSITY FILL - EXCAVATABLE	CY	*	\$150.000	50.000					\$7,500.00
156.	CRUSHED STONE	TON		\$50.000	150.000					\$7,500.00
170.	FINE GRADING AND COMPACTING - SUBGRADE AREA	SY		\$6.000	34000.000					\$204,000.00
180.01	ENVIRONMENTAL HEALTH AND SAFETY PROGRAM	LS	*	\$5,000.000	1.000					\$5,000.00
180.02	PERSONAL PROTECTION LEVEL C UPGRADE	HR	*	\$20.000	25.000					\$500.00
180.03	LICENSED SITE PROFESSIONAL SERVICES	HR	*	\$100.000	25.000					\$2,500.00
181.11	DISPOSAL OF UNREGULATED SOIL	TON	*	\$100.000	180.000					\$18,000.00
181.12	DISPOSAL OF REGULATED SOIL - IN-STATE FACILITY	TON	*	\$100.000	180.000					\$18,000.00
181.13	DISPOSAL OF REGULATED SOIL - OUT-OF-STATE FACILITY	TON	*	\$100.000	100.000					\$10,000.00
181.14	DISPOSAL OF HAZARDOUS WASTE	TON	*	\$100.000	50.000					\$5,000.00
182.1	INSPECTION AND TESTING FOR ASBESTOS	LS	*	\$2,500.000	1.000					\$2,500.00
182.2	REMOVAL OF ASBESTOS	FT	*	\$100.000	25.000					\$2,500.00
184.1	DISPOSAL OF TREATED WOOD PRODUCTS	TON	*	\$250.000	25.000					\$6,250.00
201.	CATCH BASIN	EA		\$3,500.000	44.000					\$154,000.00
202.	MANHOLE	EA		\$4,000.000	40.000					\$160,000.00
202.15	MANHOLE - 5 FOOT DIAMETER	EA	*	\$5,000.000	6.000					\$30,000.00
202.16	MANHOLE - 6 FOOT DIAMETER	EA	*	\$7,000.000	2.000					\$14,000.00

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203.1	DIVERSION MANHOLE	EA	*	\$4,500.000	1.000					\$4,500.00
203.2	WATER QUALITY INLET	\$	*	\$15,000.00 0	1.000					\$15,000.00
204.11	GUTTER INLET - SPECIAL	EA	*	\$2,500.000	11.000					\$27,500.00
220.	DRAINAGE STRUCTURE ADJUSTED	EA		\$400.000	116.000					\$46,400.00
220.2	DRAINAGE STRUCTURE REBUILT	FT		\$200.000	10.000					\$2,000.00
220.3	DRAINAGE STRUCTURE CHANGE IN TYPE	EA		\$850.000	13.000					\$11,050.00
220.5	DRAINAGE STRUCTURE REMODELED	EA		\$500.000	6.000					\$3,000.00
220.6	SANITARY STRUCTURE REBUILT	FT	*	\$400.000	10.000					\$4,000.00
220.7	SANITARY STRUCTURE ADJUSTED	EA		\$400.000	50.000					\$20,000.00
220.8	SANITARY STRUCTURE REMODELED	EA	*	\$600.000	4.000					\$2,400.00
221.	FRAME AND COVER	EA		\$850.000	87.000					\$73,950.00
222.1	FRAME AND GRATE - MASSDOT CASCADE TYPE	EA		\$850.000	50.000					\$42,500.00
223.2	FRAME AND GRATE (OR COVER) REMOVED AND DISCARDED	EA		\$100.000	80.000					\$8,000.00
227.3	REMOVAL OF DRAINAGE STRUCTURE SEDIMENT	CY		\$110.000				100.000		\$11,000.00
227.31	REMOVAL OF DRAINAGE PIPE SEDIMENT	FT		\$10.000				600.000		\$6,000.00
227.4	MASONRY PLUG	SF		\$100.000	50.000					\$5,000.00
238.10	10 INCH DUCTILE IRON PIPE	FT		\$120.000	235.000					\$28,200.00

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241.12	12 INCH REINFORCED CONCRETE PIPE	FT		\$100.000	1600.000					\$160,000.00
241.15	15 INCH REINFORCED CONCRETE PIPE	FT		\$110.000	950.000					\$104,500.00
241.18	18 INCH REINFORCED CONCRETE PIPE	FT		\$120.000	1650.000					\$198,000.00
241.24	24 INCH REINFORCED CONCRETE PIPE	FT		\$150.000	260.000					\$39,000.00
258.	STONE FOR PIPE ENDS	SY		\$100.000	50.000					\$5,000.00
271.1	DRAINAGE PIPE REMOVED AND DISCARDED	FT	*	\$10.000	1800.000					\$18,000.00
302.06	6 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)	FT		\$120.000	80.000					\$9,600.00
302.12	12 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)	FT		\$200.000	20.000					\$4,000.00
309.	DUCTILE IRON FITTINGS FOR WATER PIPE	LB		\$5.000	680.000					\$3,400.00
347.1	1 INCH COPPER TUBING TYPE K	FT		\$50.000	600.000					\$30,000.00
347.2	2 INCH COPPER TUBING TYPE K	FT		\$75.000	500.000					\$37,500.00
350.06	6 INCH GATE AND GATE BOX	EA		\$1,700.000	7.000					\$11,900.00
350.08	8 INCH GATE AND GATE BOX	EA		\$2,100.000	1.000					\$2,100.00
358.	GATE BOX ADJUSTED	EA		\$150.000	25.000					\$3,750.00
371.06	6 INCH COUPLING	EA	*	\$150.000	14.000					\$2,100.00
371.08	8 INCH COUPLING	EA	*	\$200.000	2.000					\$400.00
376.	HYDRANT	EA		\$5,000.000	7.000					\$35,000.00
376.1	HYDRANT - EXCLUDING COST OF HYDRANT	EA	*	\$4,000.000	1.000					\$4,000.00

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376.3	HYDRANT - REMOVED AND STACKED	EA	*	\$1,500.000	8.000					\$12,000.00
381.	SERVICE BOX	EA		\$250.000	38.000					\$9,500.00
381.1	SERVICE BOX REMOVED AND RESET	EA		\$200.000	10.000					\$2,000.00
381.2	SERVICE BOX REMOVED AND STACKED	EA	*	\$25.000	38.000					\$950.00
381.3	SERVICE BOX ADJUSTED	EA		\$150.000	12.000					\$1,800.00
384.	CURB STOP	EA		\$500.000	20.000					\$10,000.00
390.01	IRRIGATION SYSTEM REMOVED AND RESET	FT	*	\$30.000	800.000					\$24,000.00
402.	DENSE GRADED CRUSHED STONE FOR SUB-BASE	CY		\$50.000	2400.000					\$120,000.00
415.1	PAVEMENT STANDARD MILLING	SY		\$8.000	8000.000					\$64,000.00
431.1	HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE	CY	*	\$120.000	40.000					\$4,800.00
440.	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL	LB		\$0.500	15000.000					\$7,500.00
443.	WATER FOR ROADWAY DUST CONTROL	MGL		\$50.000	65.000					\$3,250.00
450.23	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)	TON		\$110.000	3000.000					\$330,000.00
450.32	SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0)	TON		\$110.000	3675.000					\$404,250.00
450.42	SUPERPAVE BASE COURSE - 37.5 (SBC - 37.5)	TON		\$110.000	5670.000					\$623,700.00
451.	HMA FOR PATCHING	TON		\$200.000	200.000					\$40,000.00

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452.	ASPHALT EMULSION FOR TACK COAT	GAL		\$8.000	3000.000					\$24,000.00
453.	HMA JOINT SEALANT	FT		\$1.000	23000.000					\$23,000.00
472.	TEMPORARY ASPHALT PATCHING	TON		\$200.000	1000.000					\$200,000.00
482.5	SAWCUTTING ASPHALT PAVEMENT FOR BOX WIDENING	FT		\$4.000	3900.000					\$15,600.00
485.01	COBBLESTONE PAVEMENT	SY	*	\$300.000		140.000				\$42,000.00
504.	GRANITE CURB TYPE VA4 - STRAIGHT	FT		\$40.000	8100.000					\$324,000.00
504.1	GRANITE CURB TYPE VA4 - CURVED	FT		\$45.000	1450.000					\$65,250.00
504.3	GRANITE CURB TYPE VA-4 SLOPED EDGE	FT	*	\$75.000	1250.000					\$93,750.00
509.	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - STRAIGHT	FT		\$45.000	850.000					\$38,250.00
509.1	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - CURVED	FT		\$50.000	350.000					\$17,500.00
509.3	GRANITE TRANSITION CURB - SLOPED	FT	*	\$75.000		300.000				\$22,500.00
514.	GRANITE CURB INLET - STRAIGHT	EA		\$300.000		37.000				\$11,100.00
570.2	HOT MIX ASPHALT CURB TYPE 2	FT		\$10.000		125.000				\$1,250.00
580.	CURB REMOVED AND RESET	FT		\$25.000		500.000				\$12,500.00
594.	CURB REMOVED AND DISCARDED	FT		\$10.000		50.000				\$500.00

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620.12	GUARDRAIL, TL-2 (SINGLE FACED)	FT		\$25.000		130.000				\$3,250.00
620.32	GUARDRAIL - CURVED, TL-2 (SINGLE FACED)	FT		\$35.000		90.000				\$3,150.00
627.1	TRAILING ANCHORAGE	EA		\$200.000		4.000				\$800.00
627.82	GUARDRAIL TANGENT END TREATMENT, TL-2	EA		\$4,000.000		2.000				\$8,000.00
670.	FENCE REMOVED AND RESET	FT		\$20.000		400.000				\$8,000.00
685.	STONE MASONRY WALL IN CEMENT MORTAR	CY		\$800.000			120.000			\$96,000.00
691.	BALANCE STONE WALL REMOVED AND REBUILT	FT		\$500.000			190.000			\$95,000.00
697.1	SILT SACK	EA	*	\$120.000		80.000				\$9,600.00
698.4	GEOTEXTILE FABRIC FOR PERMANENT EROSION CONTROL	SY	*	\$6.000		25.000				\$150.00
701.	CEMENT CONCRETE SIDEWALK	SY		\$56.000			6900.000			\$386,400.00
701.1	CEMENT CONCRETE SIDEWALK AT DRIVEWAYS	SY		\$65.000			2500.000			\$162,500.00
701.2	CEMENT CONCRETE PEDESTRIAN CURB RAMP	SY		\$90.000			1000.000			\$90,000.00
702.	HOT MIX ASPHALT SIDEWALK OR DRIVEWAY	TON		\$200.000			450.000			\$90,000.00
705.1	FLAGSTONE WALK REMOVED AND RESET	SY	*	\$200.000			5.000			\$1,000.00
706.01	BRICK PAVERS FOR SIDEWALK	SY	*	\$300.000			1200.000			\$360,000.00

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706.1	BRICK WALK REMOVED AND RELAI D	SY	*	\$200.000	15.000					\$3,000.00
707.01	RESIN BOUND PAVEMENT	SF	*	\$20.000	600.000					\$12,000.00
707.31	TREE GRATE (48" X 72")	EA	*	\$3,600.000	10.000					\$36,000.00
710.4	BOUND - PLAIN GRANITE	EA		\$800.000	13.000					\$10,400.00
711.	BOUND REMOVED AND RESET	EA		\$500.000	6.000					\$3,000.00
715.	RURAL MAIL BOX REMOVED AND RESET	EA		\$200.000	17.000					\$3,400.00
740.	ENGINEERS FIELD OFFICE AND EQUIPMENT (TYPE A)	MO	*	\$2,200.000			30.000			\$66,000.00
748.	MOBILIZATION	LS		\$267,300.000			1.000			\$267,300.00
751.	LOAM BORROW	CY		\$50.000			1000.000			\$50,000.00
756.	NPDES STORMWATER POLLUTION PREVENTION PLAN	LS	*	\$5,000.000		1.000				\$5,000.00
761.11	STRUCTURAL SOIL	CY	*	\$110.000	50.000					\$5,500.00
765.	SEEDING	SY		\$2.000			6300.000			\$12,600.00
765.553	WETLAND/BASIN MIX - RIPARIAN	SY	*	\$4.000			10.000			\$40.00
767.121	SEDIMENT CONTROL BARRIER	FT	*	\$6.000			800.000			\$4,800.00
767.6	AGED PINE BARK MULCH	CY		\$70.000			50.000			\$3,500.00
775.148	LINDEN - LITTLE LEAF - 'GREENSPIRE' 2 -2.5 INCH CALIPER	EA	*	\$800.000	2.000					\$1,600.00
776.045	MAPLE - HEDGE - 'STREETSIDE' 2-2.5 INCH CALIPER	EA	*	\$650.000	4.000					\$2,600.00

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776.543	MAPLE - RED - 'OCTOBER GLORY' 2-2.5 INCH CALIPER	EA		\$750.000	1.000					\$750.00
777.673	SWEETGUM 2-2.5 INCH CALIPER	EA		\$750.000	2.000					\$1,500.00
778.389	CHERRY - SARGENTII 'PINK FLAIR' 2 -2.5 INCH CALIPER	EA	*	\$700.000	10.000					\$7,000.00
778.468	CRABAPPLE - 'SPRING SNOW' 2-2.5 INCH CALIPER	EA	*	\$700.000	10.000					\$7,000.00
783.467	TUPELO 2-2.5 INCH CALIPER	EA		\$800.000	5.000					\$4,000.00
783.649	ZELKOVA - 'CITY SPRITE' 2-2.5 INCH CALIPER	EA	*	\$700.000	11.000					\$7,700.00
801.22	2 INCH ELECTRICAL CONDUIT - TYPE NM (DOUBLE)	FT		\$40.000	2250.000					\$90,000.00
801.32	3 INCH ELECTRICAL CONDUIT - TYPE NM (DOUBLE)	FT		\$50.000	275.000				425.000	\$35,000.00
801.42	4 INCH ELECTRICAL CONDUIT - TYPE NM (DOUBLE)	FT		\$70.000					175.000	\$12,250.00
804.1	1 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC - (UL)	FT		\$20.000	1200.000					\$24,000.00
804.2	2 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC (UL)	FT		\$25.000	2550.000				250.000	\$70,000.00
804.3	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC - (UL)	FT		\$40.000	750.000				1650.000	\$96,000.00

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804.4	4 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC - (UL)	FT		\$50.000					600.000	\$30,000.00
810.3	3 INCH ELECTRICAL CONDUIT TYPE NM-PLASTIC (UL) - CONCRETE ENCASED	FT	*	\$80.000					950.000	\$76,000.00
810.32	3 INCH ELECTRICAL CONDUIT TYPE NM-PLASTIC (UL) (DOUBLE) - CONCRETE ENCASED	FT	*	\$100.000					150.000	\$15,000.00
810.42	4 INCH ELECTRICAL CONDUIT TYPE NM-PLASTIC (UL) (DOUBLE) - CONCRETE ENCASED	FT	*	\$120.000					300.000	\$36,000.00
811.31	PULL BOX 12 X 12 INCHES - SD2.031	EA		\$1,000.000	17.000					\$17,000.00
811.91	HANDHOLE TYPE A (STREETLIGHT)	EA	*	\$1,000.000	40.000					\$40,000.00
811.94	ELECTRICAL HANDHOLE TYPE C	EA	*	\$1,000.000					5.000	\$5,000.00
811.95	ELECTRICAL HANDHOLE TYPE D	EA	*	\$2,500.000					6.000	\$15,000.00
811.96	ELECTRICAL HANDHOLE TYPE E	EA	*	\$2,000.000					6.000	\$12,000.00
813.811	ELECTRIC SERVICE RISER - STA 26+23 LT	EA	*	\$3,500.000					1.000	\$3,500.00
813.812	ELECTRIC SERVICE RISER - STA 26+85 LT	EA	*	\$3,500.000					1.000	\$3,500.00
813.813	ELECTRIC SERVICE RISER - STA 27+50 RT	EA	*	\$3,500.000					1.000	\$3,500.00

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813.814	ELECTRIC SERVICE RISER - STA 29+20 LT	EA	*	\$3,500.000					1.000	\$3,500.00
813.815	ELECTRIC SERVICE RISER - STA 31+50 LT	EA	*	\$3,000.000					1.000	\$3,000.00
813.816	ELECTRIC SERVICE RISER - STA 31+55 RT	EA	*	\$3,000.000					1.000	\$3,000.00
813.817	ELECTRIC SERVICE RISER - STA 33+45 LT	EA	*	\$3,000.000					1.000	\$3,000.00
813.818	ELECTRIC SERVICE RISER - STA 36+75 LT	EA	*	\$4,500.000					1.000	\$4,500.00
813.819	ELECTRIC SERVICE RISER - STA 39+85 LT	EA	*	\$4,500.000					1.000	\$4,500.00
813.820	ELECTRIC SERVICE RISER - STA 43+52 LT	EA	*	\$4,500.000					1.000	\$4,500.00
813.821	ELECTRIC SERVICE RISER - STA 44+45 LT	EA	*	\$4,500.000					1.000	\$4,500.00
813.822	ELECTRIC SERVICE RISER - STA 46+60 LT	EA	*	\$3,000.000					1.000	\$3,000.00
813.823	ELECTRIC SERVICE RISER - STA 47+70 LT	EA	*	\$3,000.000					1.000	\$3,000.00
813.824	ELECTRIC SERVICE RISER - STA 48+00 RT	EA	*	\$3,000.000					1.000	\$3,000.00
813.825	ELECTRIC SERVICE RISER - STA 48+80 LT	EA	*	\$3,000.000					1.000	\$3,000.00
813.826	ELECTRIC SERVICE RISER - STA 50+75 RT	EA	*	\$3,500.000					1.000	\$3,500.00
813.827	ELECTRIC SERVICE RISER - STA 51+90 RT	EA	*	\$3,500.000					1.000	\$3,500.00
813.828	ELECTRIC SERVICE RISER - STA 4+50 LT	EA	*	\$4,500.000		1.000				\$4,500.00
813.829	ELECTRIC SERVICE RISER - STA 70+70 LT	\$	*	\$4,500.000		1.000				\$4,500.00

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815.1	TRAFFIC CONTROL SIGNAL LOCATION NO. 1	LS		\$253,000.00			1.000			\$253,000.00
815.11	TRAFFIC CONTROL SIGNAL LOCATION NO. 1	LS	*	\$4,000.000					1.000	\$4,000.00
815.2	TRAFFIC CONTROL SIGNAL LOCATION NO. 2	LS		\$80,000.00			1.000			\$80,000.00
815.3	TRAFFIC CONTROL SIGNAL LOCATION NO. 3	LS		\$110,000.00			1.000			\$110,000.00
823.60	HIGHWAY LIGHTING LOAD CENTER	LS		\$25,000.00			1.000			\$25,000.00
823.72	LIGHT POST REMOVED AND RESET	EA	*	\$5,000.000			2.000			\$10,000.00
823.73	COBRA HEAD LIGHT REMOVED AND RESET	EA	*	\$1,000.000			16.000			\$16,000.00
823.82	FLAG POLE REMOVED AND RESET	EA	*	\$7,500.000			1.000			\$7,500.00
823.93	ORNAMENTAL STREET LIGHT (TYPE A) 120 W LED (SINGLE)	EA	*	\$11,000.00			14.000			\$154,000.00
823.94	ORNAMENTAL STREET LIGHT (TYPE A) 120 W LED (TWIN)	\$	*	\$14,000.00			4.000			\$56,000.00
823.95	ORNAMENTAL STREET LIGHT (TYPE B) 85 W LED (SINGLE)	EA	*	\$10,000.00			18.000			\$180,000.00
824.	DUPLEX RECEPTACLE (TREE LIGHT)	EA	*	\$2,000.000					30.000	\$60,000.00
824.211	RECTANGULAR RAPID FLASHING BEACON (AC POWER), LOCATION 1	LS	*	\$19,500.00			1.000			\$19,500.00
824.511	FLASHING WARNING BEACON REMOVED AND STACKED - LOCATION 1	LS	*	\$2,500.000			1.000			\$2,500.00

Project Preliminary Design Estimate

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824.512	FLASHING WARNING BEACON REMOVED AND STACKED - LOCATION 2	LS	*	\$2,500.000			1.000			\$2,500.00
825.01	SERVICE CONNECTION #337 BOSTON ROAD	LS	*	\$5,000.000					1.000	\$5,000.00
825.02	SERVICE CONNECTION #349 BOSTON ROAD	LS	*	\$5,000.000					1.000	\$5,000.00
825.03	SERVICE CONNECTION #367 BOSTON ROAD	LS	*	\$10,000.00 0					1.000	\$10,000.00
825.04	SERVICE CONNECTION #371 BOSTON ROAD	LS	*	\$10,000.00 0					1.000	\$10,000.00
825.05	SERVICE CONNECTION #373 BOSTON ROAD	LS	*	\$10,000.00 0					1.000	\$10,000.00
825.06	SERVICE CONNECTION #377 BOSTON ROAD	LS	*	\$5,000.000					1.000	\$5,000.00
832.	WARNING- REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	SF		\$15.000			700.000			\$10,500.00
833.7	DELINEATION FOR GUARD RAIL TERMINI	EA		\$50.000			6.000			\$300.00
840.001	SUPPORT FOR OVERHEAD REGULATORY SIGNS	LS	*	\$28,000.00 0			1.000			\$28,000.00
847.1	SIGN SUP (N/GUIDE) +RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL	EA		\$135.000			118.000			\$15,930.00

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848.1	SIGN SUP (N/GUIDE)+RTE MKR W/2 BRKWAY POST ASSEMBLIES- STEEL	EA		\$270.000			13.000			\$3,510.00
850.41	ROADWAY FLAGGER	HR		\$65.000			240.000			\$15,600.00
851.1	TRAFFIC CONES FOR TRAFFIC MANAGEMENT	DAY		\$100.000		375.000				\$37,500.00
852.	SAFETY SIGNING FOR TRAFFIC MANAGEMENT	SF		\$25.000		800.000				\$20,000.00
852.11	TEMPORARY PEDESTRIAN BARRICADE	FT	*	\$35.000		500.000				\$17,500.00
852.12	TEMPORARY PEDESTRIAN CURB RAMP	EA	*	\$1,000.000		4.000				\$4,000.00
853.1	PORTABLE BREAKAWAY BARRICADE TYPE III	EA		\$135.000		8.000				\$1,080.00
853.2	TEMPORARY BARRIER (TL-2)	FT		\$60.000		200.000				\$12,000.00
853.21	TEMPORARY BARRIER REMOVED AND RESET	FT		\$15.000		2000.000				\$30,000.00
853.403	TRUCK MOUNTED ATTENUATOR	DAY		\$150.000		30.000				\$4,500.00
854.016	TEMPORARY PAVING MARKINGS - 6 INCH (PAINTED)	FT		\$0.500		74000.000				\$37,000.00
854.036	TEMPORARY PAVING MARKINGS - 6 INCH (TAPE)	FT		\$2.000		3300.000				\$6,600.00
854.1	PAVEMENT MARKING REMOVAL	SF		\$2.000		375.000				\$750.00
856.	ARROW BOARD	DAY		\$10.000		1440.000				\$14,400.00
859.	REFLECTORIZED DRUM	DAY		\$0.350		54000.000				\$18,900.00

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859.1	REFLECTORIZED DRUMS WITH SEQUENTIAL FLASHING WARNING LIGHTS	DAY	*	\$5.000		120.000				\$600.00
864.02	PAVEMENT ARROW AND LEGENDS - TAPE	SF		\$45.000			40.000			\$1,800.00
864.04	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)	SF		\$12.000			900.000			\$10,800.00
867.706	PREFORMED PAVEMENT MARKINGS, WET REFLECTIVE (6 INCH YELLOW LINE WITH BLACK CONTRAST)	FT	*	\$9.000			1100.000			\$9,900.00
868.106	6 INCH DURABLE RECESSED WET REFLECTIVE WHITE LINE (THERMOPLASTIC)	FT	*	\$2.000			13500.000			\$27,000.00
868.112	12 INCH DURABLE RECESSED WET REFLECTIVE WHITE LINE (THERMOPLASTIC)	FT	*	\$4.000			6000.000			\$24,000.00
869.106	6 INCH DURABLE RECESSED WET REFLECTIVE YELLOW LINE (THERMOPLASTIC)	FT	*	\$2.000			12500.000			\$25,000.00
869.112	12 INCH DURABLE RECESSED WET REFLECTIVE YELLOW LINE (THERMOPLASTIC)	FT	*	\$4.000			500.000			\$2,000.00
874.	STREET NAME SIGN	EA		\$125.000			20.000			\$2,500.00

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874.45	MISCELLANEOUS SIGNS REMOVED AND RESET	EA	*	\$200.000			2.000			\$400.00
874.51	MISCELLANEOUS SIGNS REMOVED AND DISCARDED	EA	*	\$50.000			35.000			\$1,750.00
874.7	MISCELLANEOUS SIGNS REMOVED AND STACKED	EA	*	\$40.000			6.000			\$240.00
901.	4000 PSI, 1.5 INCH, 565 CEMENT CONCRETE	CY		\$1,500.000			10.000			\$15,000.00
903.	3000 PSI, 1.5 INCH, 470 CEMENT CONCRETE	CY		\$500.000			5.000			\$2,500.00
910.1	STEEL REINFORCEMENT FOR STRUCTURES - EPOXY COATED	LB		\$5.000			140.000			\$700.00
970.	DAMP-PROOFING	SF		\$30.000			25.000			\$750.00
988.01	SEDIMENT FOREBAY PAVING	SF	*	\$25.000			80.000			\$2,000.00
Total Amount					\$5,712,300.00	\$364,970.00	\$2,777,980.00	\$17,000.00	\$463,750.00	\$9,336,000.00