

Project # 610723		Contract # 114111		
Location : BOLTON - BOXBOROUGH - HARVARD - LITTLETON				
Description : Pavement Preservation and Related Work (Including 6 Bridges) along a Section of Interstate 495				
ITEM #	QUANTITY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE	AMOUNT
100.	1	SCHEDULE OF OPERATIONS - FIXED PRICE \$80,000 AT Eighty Thousand Dollars LUMP SUM	\$80,000.00	\$80,000.00
120.1	67	UNCLASSIFIED EXCAVATION AT _____ PER CUBIC YARD		
127.1	85	REINFORCED CONCRETE EXCAVATION AT _____ PER CUBIC YARD		
127.4	548	REINFORCED CONCRETE DECK EXCAVATION (FULL DEPTH) AT _____ PER SQUARE YARD		
127.41	10	REINFORCED CONCRETE DECK EXCAVATION (PARTIAL DEPTH) AT _____ PER CUBIC YARD		
129.6	4,750	BRIDGE PAVEMENT EXCAVATION AT _____ PER SQUARE YARD		
220.	320	DRAINAGE STRUCTURE ADJUSTED AT _____ EACH		
220.2	20	DRAINAGE STRUCTURE REBUILT AT _____ PER FOOT		
221.1	2	FRAME AND COVER - SECURED AT _____ EACH		

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222.	61	FRAME AND GRATE - MASSDOT BAR TYPE AT _____ EACH		
223.2	63	FRAME AND GRATE (OR COVER) REMOVED AND DISCARDED AT _____ EACH		
227.3	584	REMOVAL OF DRAINAGE STRUCTURE SEDIMENT AT _____ PER CUBIC YARD		
227.31	59,353	REMOVAL OF DRAINAGE PIPE SEDIMENT AT _____ PER FOOT		
415.2	7,100	PAVEMENT FINE MILLING AT _____ PER SQUARE YARD		
415.3	563,100	PAVEMENT MICRO MILLING AT _____ PER SQUARE YARD		
450.16	563,500	ULTRA THIN BONDED OVERLAY-POLYMER MODIFIED AT _____ PER SQUARE YARD		
450.601	660	SUPERPAVE BRIDGE SURFACE COURSE - 9.5 POLYMER (SSC-B - 9.5 - P) AT _____ PER TON		
451.	284	HMA FOR PATCHING AT _____ PER TON		

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452.	1,979	ASPHALT EMULSION FOR TACK COAT AT _____ PER GALLON		
457.1	990	SUPERPAVE WATERPROOFING SURFACE COURSE - 9.5 (SSC-W-9.5) AT _____ PER TON		
470.	10	HOT MIX ASPHALT BERM AT _____ PER TON		
472.	200	TEMPORARY ASPHALT PATCHING AT _____ PER TON		
477.	196,062	MILLED RUMBLE STRIP (TYPE A) AT _____ PER FOOT		
482.31	1,300	SAWING & SEALING JOINTS IN ASPHALT PAVEMENT AT BRIDGES AT _____ PER FOOT		
511.1	100	GRANITE EDGING TYPE SB - STRAIGHT AT _____ PER FOOT		
580.	100	CURB REMOVED AND RESET AT _____ PER FOOT		
583.	2,000	EDGING REMOVED AND RESET AT _____ PER FOOT		

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597.	100	EDGING REMOVED AND DISCARDED AT _____ PER FOOT		
620.13	2,000	GUARDRAIL, TL-3 (SINGLE FACED) AT _____ PER FOOT		
627.1	5	TRAILING ANCHORAGE AT _____ EACH		
627.83	2	GUARDRAIL TANGENT END TREATMENT, TL-3 AT _____ EACH		
628.21	4	TRANSITION TO NCHRP 350 GUARDRAIL AT _____ EACH		
628.22	1	TRANSITION TO RIGID BARRIER (SINGLE FACED) AT _____ EACH		
628.24	4	TRANSITION TO BRIDGE RAIL AT _____ EACH		
628.25	4	TRANSITION TO THRIE BEAM AT _____ EACH		
630.2	5,000	HIGHWAY GUARD REMOVED AND DISCARDED AT _____ PER FOOT		

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632.	200	GUARDRAIL POST - STEEL AT _____ EACH		
632.4	200	INDIVIDUAL POST REMOVED AND DISCARDED AT _____ EACH		
633.	100	GUARDRAIL OFFSET BLOCK - W BEAM AT _____ EACH		
633.1	100	GUARDRAIL OFFSET BLOCK - THRIE BEAM AT _____ EACH		
634.	100	W BEAM GUARD PANEL AT _____ EACH		
634.1	100	THRIE BEAM GUARD PANEL AT _____ EACH		
740.	17	ENGINEERS FIELD OFFICE AND EQUIPMENT (TYPE A) AT _____ PER MONTH		
748.	1	MOBILIZATION AT _____ LUMP SUM		
751.	124	LOAM BORROW AT _____ PER CUBIC YARD		

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765.	933	SEEDING AT _____ PER SQUARE YARD		
767.121	25,000	SEDIMENT CONTROL BARRIER AT _____ PER FOOT		
769.	5,000	PAVEMENT MILLING MULCH UNDER GUARD RAIL AT _____ PER FOOT		
819.907	6	3 LANE CLASSIFICATION TRAFFIC DATA COLLECTION STATION AT _____ EACH		
834.	5	DEMOUNTABLE REFLECTORIZED REFERENCE LOCATION SIGN AT _____ EACH		
834.17	370	REFLECTORIZED FLEXIBLE DELINEATOR POST (AMBER) AT _____ EACH		
834.18	370	REFLECTORIZED FLEXIBLE DELINEATOR POST (WHITE) AT _____ EACH		
836.5	200	DEMOUNTABLE REFLECTORIZED STATION MARKER AT _____ EACH		
851.1	308	TRAFFIC CONES FOR TRAFFIC MANAGEMENT AT _____ PER DAY		

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852.	2,900	SAFETY SIGNING FOR TRAFFIC MANAGEMENT AT _____ PER SQUARE FOOT		
853.403	616	TRUCK MOUNTED ATTENUATOR AT _____ PER DAY		
853.8	308	TEMPORARY ILLUMINATION FOR WORK ZONE AT _____ PER DAY		
854.016	259,000	TEMPORARY PAVING MARKINGS - 6 INCH (PAINTED) AT _____ PER FOOT		
854.036	19,840	TEMPORARY PAVING MARKINGS - 6 INCH (TAPE) AT _____ PER FOOT		
854.6	308	TEMPORARY PORTABLE RUMBLE STRIP AT _____ PER DAY		
856.	616	ARROW BOARD AT _____ PER DAY		
856.12	840	PORTABLE CHANGEABLE MESSAGE SIGN AT _____ PER DAY		
859.	50,038	REFLECTORIZED DRUM AT _____ PER DAY		

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859.1	308	REFLECTORIZED DRUMS WITH SEQUENTIAL FLASHING WARNING LIGHTS AT _____ PER DAY		
868.206	150,000	6 INCH WET REFLECTIVE RECESSED WHITE LINE (POLYUREA) AT _____ PER FOOT		
868.212	10,000	12 INCH WET REFLECTIVE RECESSED WHITE LINE (POLYUREA) AT _____ PER FOOT		
868.306	9,950	6 INCH WET REFLECTIVE RECESSED WHITE LINE (PREFORMED) AT _____ PER FOOT		
869.206	99,200	6 INCH WET REFLECTIVE RECESSED YELLOW LINE (POLYUREA) AT _____ PER FOOT		
874.2	5	TRAFFIC SIGN REMOVED AND RESET AT _____ EACH		
905.2	5	5000 PSI, 3/8 INCH, 710 HP CEMENT CONCRETE AT _____ PER CUBIC YARD		
909.2	36	CEMENTITIOUS MORTAR FOR PATCHING AT _____ PER SQUARE FOOT		
909.3	262	RAPID SETTING LOW PERMEABILITY REPAIR CONCRETE AT _____ PER CUBIC YARD		

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910.1	17,000	STEEL REINFORCEMENT FOR STRUCTURES - EPOXY COATED AT _____ PER POUND		
912.	180	DRILLING AND GROUTING DOWELS AT _____ EACH		
964.1	540	EPOXY BONDING COMPOUND AT _____ PER SQUARE FOOT		
964.3	4,904	ELASTOMERIC PROTECTIVE COATING AT _____ PER SQUARE FOOT		
966.	7,506	MEMBRANE WATERPROOFING FOR BRIDGE DECK REPAIRS AT _____ PER SQUARE FOOT		
968.3	48	BRIDGE DECK DRAINS AT _____ EACH		
973.	747	PRE-COMPRESSED SEAL BRIDGE JOINT SYSTEM AT _____ PER FOOT		
975.01	270	METAL BRIDGE RAILING - TOP RAIL AT _____ PER FOOT		
975.02	270	METAL BRIDGE RAILING - BOTTOM RAIL AT _____ PER FOOT		

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975.03	34	METAIL BRIDGE RAILING - POSTS AT _____ EACH		
994.1	3,248	TEMPORARY PROTECTIVE SHIELDING AT _____ PER SQUARE FOOT		
994.12	16,240	TEMPORARY PROTECTIVE SHIELDING REMOVED AND RESET AT _____ PER SQUARE FOOT		
Total Qty:		2,098,722		