

January 15, 2016

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7550186

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2015-CH-001

FEDERAL-AID PROJECT NO. FAP Nos: 3RD-PRTY(234), NHP-0114(023), STPG-HSIP(020)

Reconstruction of Two Mile Corner (Routes 138/114)

East Main Road from West Main Road to Bailey Brook
West Main Road from Smythe Street to Maplewood Road
Coddington Highway from West Main Road to Lake Erie Street

CITY/TOWN OF Middletown

COUNTY OF NEWPORT

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 1 Prospective bidders and all concerned are hereby notified of the following changes in the Plans, Specifications, Proposal and Distribution of Quantities for this contract. These changes shall be incorporated in the Plans, Specifications, Proposal and Distribution of Quantities, and shall become an integral part of the Contract Documents.

A. Contract Dates

1. Pre-Bid Date

Through the Quest Lite file, the Pre-Bid Conference date has been changed. The date for the Pre-Bid Conference has been revised to January 28, 2016. The Pre-Bid Conference will be at 9:00 am.

2. Substantial Completion Date

Through the Quest Lite file, the Substantial Completion date has been changed. The date for the Substantial Completion date has been revised to October 20, 2017.

3. Bid-Opening Date

Through the Quest Lite file, the Bid Opening date has been changed. The date for the Bid Opening has been revised to February 10, 2016. The Bid Opening will be at 1:00 pm.

B. General Provisions Construction Specific

1. Sequence of Construction and Schedule

Delete Page CS-9 in its entirety and replace it with revised Page CS-9 (R-1) attached to this Addendum No. 1. Paragraph b) has been revised.

C. Distribution of Quantities

1. Table of Contents - Distribution of Quantities

Delete Pages Index 1 through Index 7 in their entirety and replace them with revised Pages Index 1 (R-1) through Index 7 (R-1) attached to this Addendum No. 1. Item Code 914.5010 and Item code 914.5020 have been revised.

2. Code 914.5010 Flagpersons and Code 914.5020 Flagpersons - Overtime

Delete Page 74 in its entirety and replace it with revised Page 74 (R-1) attached to this Addendum No. 1. item Code 914.5010 and Item Code 914.5020 have been revised.

Fall


RI Department of Transportation
Chief Engineer

		02842		Sunday: 11:00 AM – 9:00 PM
Aquidneck Plaza	107SE/106	77-99 E. Main Rd, Middletown, RI 02842	6:00 AM – 11:00 PM	6:00 AM – 11:00 PM
Chipotle	107SE/105	11 E. Main Rd., Middletown, RI 02842	11:00 AM – 10:00 PM	11:00 AM – 10:00 PM
Rite Aid	107SE/105	7 E. Main Rd., Middletown, RI 02842	8:00 AM – 9:00 PM	8:00 AM – 9:00 PM
Fed Ex	107SE/105	7 E. Main Rd., Middletown, RI 02842	7:30 AM – 9:00 PM	7:30 AM – 9:00 PM

K. Sanitary Sewer Permit

Prior to any work to the sanitary sewer system contractor shall obtain a Sewer Permit from the Town of Middletown DPW. Contractor shall be responsible for all fees associated with obtaining the permit.

7. SEQUENCE OF CONSTRUCTION AND SCHEDULE

General Stipulations: The Contractor shall adhere to the following requirements:

- a) The Contractor shall coordinate, cooperate and schedule his work and all segments thereof with the Engineer, other contractors, utility owners, and applicable local authorities, so as to minimize impacts to the construction schedule.
- b) A License Area Agreement is in place between the United States of America and the State of Rhode Island and Providence Plantations for the United States Navy Property located at the northeast corner of the intersection of West Main Road and Coddington Highway. This Agreement requires that the Contractor complete all work within the designated Licensed Area for Non-Federal use between **May 1, 2016** and **May 1, 2017**. The Contractor shall gain access to the Licensed Area under the RAPIDGATE program, and agrees to absorb all costs, including time and expenses, associated with obtaining such access.
- c) The Contractor shall notify the Department in writing at least fourteen (14) days in advance of the road/lane closure so that adequate public notice can be given. Upon the Engineer's approval, the Contractor shall coordinate the required traffic control.
- d) The Contractor is advised that the signs and other traffic control devices shown on the Traffic Control Plans and Details are minimum requirements. The Contractor shall be responsible to supplement these as required to ensure the public's safety. All traffic control set-ups shall conform to the latest edition of the Manual on Uniform Traffic Control Devices, with latest revisions.
- e) Before starting construction activities that require traffic control, the Contractor shall furnish and install all traffic control. All temporary construction signs shall be removed, covered or otherwise concealed when they are not needed to properly warn drivers and/or pedestrians. The Contractor shall be compensated for this under Item Code 937.0200, "Maintenance and Movement Traffic Protection".
- f) The Contractor shall coordinate requirements for Uniformed Traffic Control Persons with the Engineer who will coordinate with the local police department.

Table of Contents - Distribution of Quantities

Project Name - Reconstruction of Two Mile Corner (Routes 138/114)

Estimate Name - TMC Addendum No. 1

R.I. Contract No. - 2015-CH-001

FAP Nos: 3RD-PRTY(234), NHP-0114(023), STPG-HSIP(020)

ItemCode	Description	Page
201.0301	CUTTING AND DISPOSING ISOLATED TREES AND STUMPS (4"- 24")	1
201.0310	REMOVE AND DISPOSE SHRUBS	1
201.0321	CLEARING AND GRUBBING	2
201.0402	REMOVE AND DISPOSE CONCRETE CURB	3
201.0403	REMOVE AND DISPOSE SIDEWALKS	5
201.0407	REMOVE AND DISPOSE PAVEMENT AND RIGID BASE	6
201.0409	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	6
201.0410	REMOVE AND DISPOSE CATCH BASINS	8
201.0411	REMOVE AND DISPOSE CATCH BASIN AND GUTTER INLETS	9
201.0412	REMOVE AND DISPOSE MANHOLE	9
201.0414	REMOVE AND DISPOSE PIPE - ALL SIZES	9
201.0418	REMOVE AND DISPOSE HYDRANT	11
201.0419	REMOVE AND DISPOSE FENCE	11
201.0421	REMOVE AND DISPOSE BITUMINOUS CURB	11
201.0422	REMOVE AND DISPOSE DROP INLET	12
201.0426	REMOVE AND DISPOSE PRIVATE SIGN	12
201.0427	REMOVE AND DISPOSE CONCRETE CAR STOPS	13
201.0428	REMOVE AND DISPOSE FRAME AND GRATE OR FRAME AND COVER	13
201.0433	REMOVE AND DISPOSE BOLLARD	14
201.0450	REMOVE AND STOCKPILE ON SITE GRANITE CURB	14
201.0604	REMOVE AND DISPOSE GROUND MOUNTED SIGN POSTS	15
201.0610	REMOVE AND DISPOSE DIRECTIONAL, WARNING, REGULATORY, SERVICE, AND STREET SIGNS	15
201.0616	REMOVE AND DISPOSE LIGHT STANDARD FOUNDATIONS	17
201.9901	REMOVE AND SALVAGE TRAFFIC SIGNAL SYSTEM	17
201.9902	REMOVE AND DISPOSE WATER GATE	17
201.9903	REMOVE, STOCKPILE, AND REINSTALL HISTORIC MONUMENT	17
201.9904	REMOVE AND RESET BUS SHELTER	17
201.9905	REMOVE AND RESET CAR STOP	17
201.9906	REMOVE AND DISPOSE LIGHT POLE	18
201.9907	REMOVE AND DISPOSE CONTAMINATED ABANDONED GAS PIPE	18
202.0100	EARTH EXCAVATION	18
202.0700	COMMON BORROW	19
202.9901	HANDLING, HAULING, STOCKPILING, AND MANAGEMENT OF CONTAMINATED SOILS	19
202.9902	LOAD AND HAUL CONTAMINATED SOIL	19
202.9903	DISPOSAL OF CONTAMINATED SOIL	19
202.9907	LOAD, HAUL, AND DISPOSAL OF HAZARDOUS OR OTHER WASTE	20
203.0100	STRUCTURAL EXCAVATION EARTH	20
203.9901	DEWATERING	20
204.0100	TRIMMING AND FINE GRADING	20
206.0301	COMPOST FILTER SOCK	23
209.9901	INLET PROTECTION	24
212.2000	CLEANING AND MAINTENANCE OF EROSION CONTROLS	26
302.0100	GRAVEL BORROW SUBBASE COURSE	27
401.1010	CLASS 19.0 HMA WITH PAY ADJUSTMENTS	28
401.2003	CLASS 12.5 HMA FOR PATCHING	29
401.2110	MODIFIED CLASS 12.5 HMA WITH PAY ADJUSTMENTS	29
401.3005	CLASS 9.5 HMA FOR MISCELLANEOUS WORK	30
401.4002	CLASS 4.75 HMA FOR LEVELLING	31
403.0300	ASPHALT EMULSION TACK COAT	31
410.1000	TEMPORARY PATCHING MATERIAL/TRENCHES	31
601.0300	CLASS A PORTLAND CEMENT CONCRETE	32
701.0412	REINFORCED CONCRETE PIPE M 170 CLASS III 12 INCH	32
701.0418	REINFORCED CONCRETE PIPE M 170 CLASS III 18 INCH	33
701.0424	REINFORCED CONCRETE PIPE M 170 CLASS III 24 INCH	34

Table of Contents - Distribution of Quantities

Project Name - Reconstruction of Two Mile Corner (Routes 138/114)

Estimate Name - TMC Addendum No. 1

R.I. Contract No. - 2015-CH-001

FAP Nos: 3RD-PRTY(234), NHP-0114(023), STPG-HSIP(020)

ItemCode	Description	Page
701.0512	REINFORCED CONCRETE PIPE M 170 CLASS IV 12 INCH	34
701.0518	REINFORCED CONCRETE PIPE M 170 CLASS IV 18 INCH	35
701.0524	REINFORCED CONCRETE PIPE M 170 CLASS IV 24 INCH	35
701.0612	REINFORCED CONCRETE PIPE M 170 CLASS V 12 INCH	35
701.0618	REINFORCED CONCRETE PIPE M 170 CLASS V 18 INCH	35
701.0624	REINFORCED CONCRETE PIPE M 170 CLASS V 24 INCH	35
701.5406	6 INCH DUCTILE IRON WATER PIPE CLASS 52, MECHANICAL JOINT	36
701.5408	8 INCH DUCTILE IRON WATER PIPE CLASS 52, MECHANICAL JOINT	36
701.5412	12 INCH DUCTILE IRON WATER PIPE CLASS 52, MECHANICAL JOINT	36
701.6006	6 INCH DUCTILE IRON SEWER SAFE PIPE CLASS 52	36
701.6008	8 INCH DUCTILE IRON SEWER SAFE PIPE CLASS 52	37
701.6012	12 INCH DUCTILE IRON SEWER SAFE PIPE CLASS 52	37
701.6014	14 INCH DUCTILE IRON SEWER SAFE PIPE CLASS 52	37
701.6018	18 INCH DUCTILE IRON SEWER SAFE PIPE CLASS 52	37
701.6024	24 INCH DUCTILE IRON SEWER SAFE PIPE CLASS 52	38
701.8003	PIPE BEDDING CLASS C	38
701.8100	FURNISH AND INSTALL DUCTILE IRON FITTINGS	39
701.8106	6 INCH GATE VALVE AND BOX	39
701.8108	8 INCH GATE VALVE AND BOX	39
701.8150	TYPE K COPPER SERVICE PIPE	40
701.8160	BLOW OFF ASSEMBLY	40
701.8170	8X6 TAPPING SLEEVE & TAPPING VALVE WITH GATE BOX	40
701.9001	CONDUCT LEAKAGE TEST	40
701.9002	STERILIZATION OF WATER MAINS	40
701.9901	REPLACE IRRIGATION SYSTEM VALVE	41
701.9902	24X12 TAPPING SLEEVE & TAPPING VALVE WITH GATE BOX	41
701.9904	12X8 TAPPING SLEEVE & TAPPING VALVE WITH GATE BOX	41
702.0510	HEAVY-DUTY SQUARE FRAME AND ROUND COVER STANDARD 6.1.1	41
702.0512	FRAME AND GRATE STANDARD 6.3.0	41
702.0517	FRAME AND GRATE, STANDARD 6.3.2	42
702.0521	FRAME AND COVER STANDARD 6.2.0	44
702.0522	FRAME AND COVER STANDARD 6.2.1	44
702.0531	PRECAST CONCRETE INLET STONE 38" STANDARD 7.1.6	45
702.0532	PRECAST CONCRETE APRON STONE 5' STANDARD 7.1.7	45
702.0533	PRECAST CONCRETE APRON STONE 38" STANDARD 7.1.8	45
702.0605	PRECAST CATCH BASIN 4' DIAMETER STANDARD 4.4.0	47
702.0610	PRECAST CATCH BASIN 5' DIAMETER STANDARD 4.4.0	49
702.0615	PRECAST CATCH BASIN 6' DIAMETER STANDARD 4.4.0	49
702.0620	PRECAST CATCH BASIN 4' SQUARE STANDARD 4.3.0	49
702.0630	PRECAST MANHOLE 4' DIAMETER STANDARD 4.2.0	49
702.0635	PRECAST MANHOLE 5' DIAMETER STANDARD 4.2.1	50
702.0640	PRECAST MANHOLE 6' DIAMETER STANDARD 4.2.2	50
702.0645	PRECAST MANHOLE 4' SQUARE STANDARD 4.3.0	50
702.0705	CATCH BASIN W/GUTTER INLET STANDARD 3.4.1	51
702.0712	PRECAST CONCRETE DROP INLET STANDARD 4.5.0	51
702.0714	PRECAST CONCRETE DROP INLET WITH APRON STONE STANDARD 4.5.2	51
702.0716	DOUBLE GRATE CATCH BASIN STANDARD 3.3.4	51
702.0725	SOLID BLOCK SHALLOW DOUBLE GRATE CATCH BASIN STANDARD 3.5.2	51
702.0830	TOP COVER MONOLITHIC WITH RISER SECTION 4'-0" SQUARE CATCH BASINS AND MANHOLES STANDARD 4.7.1	52
702.0840	ALTERNATE TOP COVER ROUND PRECAST MANHOLES AND CATCH BASINS STANDARD 4.7.2	52
704.0100	RECONSTRUCT CATCH BASIN/CORBEL CONES	53
706.9000	PLUG AND CAP PIPE ALL SIZES	54

Table of Contents - Distribution of Quantities

Project Name - Reconstruction of Two Mile Corner (Routes 138/114)
 Estimate Name - TMC Addendum No. 1
 R.I. Contract No. - 2015-CH-001
 FAP Nos: 3RD-PRTY(234), NHP-0114(023), STPG-HSIP(020)

ItemCode	Description	Page
707.0900	ADJUST MANHOLES TO GRADE	54
707.0950	ADJUST TELEPHONE MANHOLE TO GRADE	55
707.0955	ADJUST ELECTRICAL MANHOLE TO GRADE	55
707.1000	ADJUST SANITARY MANHOLE	55
707.1100	ADJUST CATCH BASINS	56
707.2000	ADJUST FRAME AND GRATE TO GRADE	56
707.9901	ADJUST WATER METER	56
708.9040	CLEANING AND FLUSHING PIPE ALL SIZES	56
708.9041	CLEANING CATCH BASINS ALL TYPES AND SIZES	57
708.9042	CLEANING MANHOLES ALL TYPES AND SIZES	57
711.0110	3'' PAVED WATERWAY CLASS I-1 STANDARD 8.4.0	58
713.8268	ADJUST CURB STOP BOX TO GRADE	58
713.8269	ADJUST WATER GATE BOXES TO GRADE	58
713.8300	ADJUST GAS GATE BOXES TO GRADE	59
714.8163	POST TYPE HYDRANT	60
903.0205	CHAIN LINK FENCE 5' STD 31.2.0	60
903.9901	ORNAMENTAL STEEL FENCE - 42" HIGH	60
904.0101	REMOVE AND RESET FENCE AND/OR RAILING CHAIN LINK	60
905.0110	PORTLAND CEMENT SIDEWALK MONOLITHIC STANDARD 43.1.0	61
905.0115	PORTLAND CEMENT CONCRETE DRIVEWAY STANDARD 43.5.0	63
905.9901	6-INCH PORTLAND CEMENT CONCRETE PAD	64
906.0210	CEMENT CONCRETE CURB PRECAST STRAIGHT STANDARD 7.1.0	64
906.0211	CEMENT CONCRETE CURB PRECAST CIRCULAR STANDARD 7.1.0	66
906.0221	6' PRECAST CONCRETE TRANSITION CURB STANDARD 7.1.2	68
906.0250	PRECAST CONCRETE WHEELCHAIR RAMP CURB STANDARDS 7.1.3, 43.3.0 AND 43.3.1	69
906.0262	PRECAST CONCRETE RAMP STONE 18-INCH STRAIGHT STANDARD 7.1.9	70
906.0263	PRECAST CONCRETE RAMP STONE 18-INCH CIRCULAR STANDARD 7.1.9	71
906.0280	3' PRECAST CONCRETE TRANSITION CURB STANDARD 7.1.1	72
906.0561	CEMENT CONCRETE EDGING 18 INCH LOT CURB STANDARD 7.2.3	73
906.0562	CEMENT CONCRETE EDGING 24 INCH LOT CURB STANDARD 7.2.3	73
907.0100	WATER FOR DUST CONTROL	73
908.9901	REMOVING AND RESETTING GRANITE PAVERS	73
911.0100	WET STONE MASONRY RETAINING WALL STANDARD 10.1.0	73
911.0101	STONE MASONRY STEPS STANDARD 10.4.0	74
914.5010	FLAGPERSONS	74
914.5020	FLAGPERSONS - OVERTIME	74
915.0200	HIGHWAY BOUNDS REINFORCED CONCRETE STANDARD 14.1.0	74
916.9901	NARROW CONDITION IMPACT ATTENUATOR	76
919.0101	TEST PITS	76
920.0055	PLACED STONE RIPRAP R-3, R-4, R-5 STANDARD 8.3.0	76
920.0135	BEDDING FOR RIPRAP FS-2 STANDARD 8.3.0	76
920.0200	FILTER FABRIC FOR RIP-RAP	76
922.0100	TEMPORARY CONSTRUCTION SIGNS STANDARD 29.1.0 AND 27.1.1	77
923.0105	DRUM BARRICADE STANDARD 26.2.0	78
923.0120	PLASTIC PIPE BARRICADE STANDARD 26.3.0	78
923.0200	FLUORESCENT TRAFFIC CONES STANDARD 26.1.0	78
924.0113	ADVANCE WARNING ARROW PANEL	78
925.0112	PORTABLE CHANGEABLE MESSAGE SIGN	79
926.0121	UNANCHORED PRECAST CONCRETE BARRIER FOR TEMPORARY TRAFFIC CONTROL STANDARD 40.5.0	79
929.0110	FIELD OFFICE	79
932.0110	TRANSVERSE PAVEMENT CUT AND MATCH STANDARD 47.1.1	79
932.0200	FULL-DEPTH SAWCUT OF BITUMINOUS PAVEMENT	80

Table of Contents - Distribution of Quantities

Project Name - Reconstruction of Two Mile Corner (Routes 138/114)

Estimate Name - TMC Addendum No. 1

R.I. Contract No. - 2015-CH-001

FAP Nos: 3RD-PRTY(234), NHP-0114(023), STPG-HSIP(020)

ItemCode	Description	Page
932.0210	FULL DEPTH SAWCUT OF BITUMINOUS PAVEMENT AND RIGID BASE	81
932.0220	FULL DEPTH SAWCUT OF BITUMINOUS SIDEWALK/DRIVEWAY	81
936.0100	MOBILIZATION AND DEMOBILIZATION	82
937.0200	MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION	82
942.0200	DETECTABLE WARNING PANEL STANDARD 48.1.0	82
943.0200	TRAINEE MAN-HOURS	84
L01.0102	LOAM BORROW 4 INCHES DEEP	84
L02.0101	GENERAL HIGHWAY SEEDING (TYPE 1)	85
L02.0102	RESIDENTIAL SEEDING (TYPE 2)	85
L05.0502	ADHESIVE MULCH STABILIZER	86
L06.9901	PINE BARK MULCH	86
L06.9905	JUNIPERUS PROCUMBENS 'NANA', JAPANESE GARDEN JUNIPER, 18-24" CONT.	87
L06.9906	HEMEROCALLIS X 'STELLA DE ORO', STELLA DE ORO DAYLILY, 1 GAL. CONT.	87
L06.9907	ARONIA MELANOCARPA, BLACK CHOKEBERRY, 18-24" CONT.	87
L06.9908	CLETHRA ALNIFOLIA 'HUMMINGBIRD', HUMMINGBIRD SUMMERSWEET, 18-24", CONT.	87
L06.9909	ILEX GLABRA 'COMPACTA', COMPACT INKBERRY, 18-24" CONT.	87
L06.9910	IRIS VERSICOLOR, BLUE FLAG IRIS, 1 GAL. CONT.	88
L11.0102	TREE PLANT PROTECTION DEVICE STANDARD 51.1.0	88
L12.9901	REMOVE AND RESET PAVERS	88
L12.9902	PLANTER EDGING	89
T03.9901	MODIFY SECONDARY ELECTRIC SERVICE - STARBUCKS	89
T03.9902	MODIFY SECONDARY ELECTRIC SERVICE - CITIZENS BANK	89
T03.9903	MODIFY SECONDARY ELECTRIC SERVICE - AQUIDNECK PACKAGE	89
T04.5001	6 AWG SINGLE CONDUCTOR CABLE 600V INSULATION	89
T04.5302	14 AWG 2 CONDUCTOR TWISTED SHIELDED CABLE	90
T04.5303	14 AWG 3 CONDUCTOR CABLE	90
T04.5305	14 AWG 5 CONDUCTOR CABLE	90
T04.5307	14 AWG 7 CONDUCTOR CABLE	91
T04.9901	OPTICAL DETECTOR CABLE	91
T04.9902	12 STRAND SINGLE MODE FIBER OPTIC CABLE	91
T04.9903	72 STRAND SINGLE MODE FIBER OPTIC CABLE	92
T05.0100	PRECAST TYPE A HANDHOLE STANDARD 18.2.0	93
T05.0500	FIBER OPTIC HANDHOLE	93
T05.0510	FIBER OPTIC MANHOLE	94
T05.1030	ADJUST HANDHOLE TO GRADE	94
T05.9901	BREAK INTO EXISTING HANDHOLE OR MANHOLE	94
T06.1020	2 IN. RIGID STEEL CONDUIT - UNDERGROUND	94
T06.1030	3 IN. RIGID STEEL CONDUIT-UNDERGROUND	94
T06.2020	2 IN. RIGID STEEL CONDUIT-OVERHEAD	95
T06.3020	2 IN. RIGID STEEL CONDUIT-UNDER EXISTING PAVEMENT	95
T06.3030	3 IN. RIGID STEEL CONDUIT-UNDER EXISTING PAVEMENT	96
T06.3040	4 IN. RIGID STEEL CONDUIT-UNDER EXISTING PAVEMENT	96
T06.5130	3 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDERGROUND	96
T06.5230	3 INCH SCHEDULE 80 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDERGROUND	96
T06.5330	3 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDER EXISTING PAVEMENT	97
T06.5430	3 INCH SCHEDULE 80 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDER EXISTING PAVEMENT	97
T06.5440	4 INCH SCHEDULE 80 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDER EXISTING PAVEMENT	97
T06.6020	2 INCH POLYVINYL CHLORIDE PLASTIC CONDUIT-OVERHEAD	98

Table of Contents - Distribution of Quantities

Project Name - Reconstruction of Two Mile Corner (Routes 138/114)
 Estimate Name - TMC Addendum No. 1
 R.I. Contract No. - 2015-CH-001
 FAP Nos: 3RD-PRTY(234), NHP-0114(023), STPG-HSIP(020)

ItemCode	Description	Page
T06.9901	DUAL 1-1/4 INCH HIGH DENSITY POLYETHYLENE DUCT - UNDER EXISTING PAVEMENT	98
T06.9902	DUAL 1-1/4 INCH HIGH DENSITY POLYETHYLENE DUCT - UNDERGROUND	98
T06.9903	SINGLE 1-1/4 INCH HIGH DENSITY POLYETHYLENE DUCT - UNDER EXISTING PAVEMENT	99
T06.9904	SINGLE 1-1/4 INCH HIGH DENSITY POLYETHYLENE DUCT - UNDERGROUND	99
T08.1700	REMOVE AND RELOCATE LIGHT STANDARD	99
T08.1701	REMOVE AND RELOCATE LIGHT STANDARD BASES	100
T11.2008	TRAFFIC SIGNAL STANDARD, 8 FOOT, STD 19.4.0 ALUMINUM PEDESTAL POLE AND FOUNDATION	100
T11.2010	TRAFFIC SIGNAL STANDARD, 10 FT, STD 19.4.0 ALUMINUM PEDESTAL POLE AND FOUNDATION	100
T11.9901	25 FOOT GALVANIZED STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION STD. 19.2.0	101
T11.9902	30 FOOT GALVANIZED STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION STD. 19.2.0	101
T11.9903	45 FOOT GALVANIZED STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION STD. 19.2.0	101
T11.9904	5 FOOT GALVANIZED STEEL PEDESTAL POLE AND FOUNDATION	101
T11.9905	40 FOOT GALVANIZED STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION STD. 19.2.0 (MODIFIED)	102
T11.9906	50 FOOT GALVANIZED STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION STD. 19.2.0 (MODIFIED I)	102
T11.9907	50 FOOT GALVANIZED STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION STD. 19.2.0 (MODIFIED II)	102
T11.9908	DUAL MAST ARM (25X35) GALVANIZED STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION STD. 19.2.0	102
T11.9909	40 FOOT GALVANIZED STEEL CAMERA POLE WITH LOWERING DEVICE AND FOUNDATION	103
T12.9150	METER SOCKET W/MANUAL BY-PASS	103
T12.9901	ACTUATED CONTROLLER, TS-2, TYPE 1 WITH 8 PHASE ASSEMBLY, GROUND MOUNTED INCLUDING FOUNDATION AND CABINET STANDARD 19.1.0	103
T12.9902	ACTUATED CONTROLLER, TS-2 TYPE 1 IN EXISTING CABINET	104
T12.9903	FIBER OPTIC SPLICE ENCLOSURE - 96 POSITION	104
T12.9904	FIBER OPTIC PATCH PANEL - 12 POSITION	104
T12.9905	ETHERNET SWITCH	105
T12.9906	MODIFY EXISTING TRAFFIC SIGNAL CONTROLLER CABINET	105
T12.9907	MODIFY EXISTING CENTRAL COMPUTER SYSTEM	106
T12.9908	TEMPORARY TRAFFIC SIGNAL SYSTEM	106
T12.9909	MAINTENANCE OF TEMPORARY TRAFFIC SIGNAL SYSTEM	106
T13.1000	TRAFFIC DETECTORS-LOOP, STANDARD 19.6.0	106
T13.1004	TRAFFIC DETECTOR RELAY-LOOP 4 CHANNEL	107
T13.8210	ACCESSIBLE PEDESTRIAN DETECTOR - PUSHBUTTON WITH SIGN	107
T13.9901	OPTICAL DETECTOR - SINGLE CHANNEL, ONE-WAY	107
T13.9902	OPTICAL DETECTOR PHASE SELECTOR AND CHASSIS	108
T13.9903	OPTICAL DETECTOR CONFIRMATION BEACON	108
T14.3513	1 WAY 3 SECTION MAST ARM MOUNTED SIGNAL HEAD 12 INCH	109
T14.3516	1 WAY 4 SECTION MAST ARM MOUNTED SIGNAL HEAD 12 INCH (W/ DUAL IND DUAL ROW L.E.D. ARROW)	109
T14.3713	1 WAY 3 SECTION PEDESTAL MOUNTED SIGNAL HEAD 12 INCH	109
T14.9901	1 WAY PEDESTAL MOUNTED LED PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER 12 INCH	110

Table of Contents - Distribution of Quantities

Project Name - Reconstruction of Two Mile Corner (Routes 138/114)

Estimate Name - TMC Addendum No. 1

R.I. Contract No. - 2015-CH-001

FAP Nos: 3RD-PRTY(234), NHP-0114(023), STPG-HSIP(020)

ItemCode	Description	Page
T14.9902	2 WAY PEDESTAL MOUNTED LED PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER 12 INCH	110
T14.9903	1 WAY BRACKET MOUNTED LED PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER 12 INCH	110
T15.0100	DIRECTIONAL REGULATORY AND WARNING SIGNS	111
T15.0200	REMOVE AND RELOCATE DIRECTIONAL REGULATORY AND WARNING SIGN	113
T15.1000	STREET SIGN ASSEMBLY STD. 24.6.1	114
T15.1100	STREET SIGN - OVERHEAD MOUNTED	114
T15.9901	REMOVE AND RESET PRIVATE SIGN	115
T15.9902	RIPTA BUS STOP SIGN	115
T20.0006	6 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	116
T20.0012	12 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	118
T20.0104	4 INCH YELLOW FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	119
T20.0112	12 INCH YELLOW FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	120
T20.0820	FAST DRYING WATERBORNE PAVEMENT ARROW - STRAIGHT, LEFT, RIGHT, OR COMBINED STANDARD 20.1.0	120
T20.0822	FAST DRYING WATERBORNE PAVEMENT MARKING WORD "ONLY" STANDARD 20.1.0	122
T20.0828	FAST-DRYING WATERBORNE PAINT PAVEMENT MARKING - YIELD LINE SYMBOL	122
T20.0830	FAST-DRYING WATERBORNE PAINT PAVEMENT MARKING - HELMETED BICYCLIST SYMBOL WITH ARROW	122
T20.1000	REMOVE EXISTING PAVEMENT MARKINGS	122
T20.1106	6 INCH TEMPORARY WATERBORNE PAINT PAVEMENT MARKINGS WHITE	123
T20.1112	12 INCH TEMPORARY WATERBORNE PAINT PAVEMENT MARKINGS WHITE	125
T20.1204	4 INCH TEMPORARY WATERBORNE PAINT PAVEMENT MARKINGS YELLOW	126
T20.1212	12 INCH TEMPORARY WATERBORNE PAINT PAVEMENT MARKINGS YELLOW	127
T20.1310	TEMPORARY WATERBORNE PAINT PAVEMENT ARROW - STRAIGHT, LEFT, RIGHT OR COMBINED STANDARD 20.1.0	127
T20.1312	TEMPORARY WATERBORNE PAINT PAVEMENT MARKING WORD "ONLY" STANDARD 20.1.0	129
T20.1314	TEMPORARY WATERBORNE PAINT PAVEMENT MARKING - YIELD LINE SYMBOL	129
T20.2006	6 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	129
T20.2012	12 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	131
T20.2014	4 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	133
T20.2019	12 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	133
T20.2020	EPOXY RESIN PAVEMENT ARROW - STRAIGHT, LEFT, RIGHT, OR COMBINED STANDARD 20.1.0	134
T20.2022	EPOXY RESIN PAVEMENT MARKING WORD "ONLY" STANDARD 20.1.0	135
T20.2042	EPOXY RESIN PAVEMENT MARKING - YIELD LINE SYMBOL	135
T20.2044	EPOXY RESIN PAVEMENT MARKING - HELMETED BICYCLIST SYMBOL WITH ARROW	136
T20.2206	6 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKINGS WHITE	136
T20.2212	12 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKINGS WHITE	138
T20.2230	TEMPORARY EPOXY RESIN PAVEMENT ARROW - STRAIGHT, LEFT, RIGHT OR COMBINED STANDARD 20.1.0	139
T20.2232	TEMPORARY EPOXY RESIN PAVEMENT MARKING WORD "ONLY" STANDARD 20.1.0	141
T20.2234	TEMPORARY EPOXY RESIN PAVEMENT MARKING - YIELD LINE SYMBOL	141

Table of Contents - Distribution of Quantities

Project Name - Reconstruction of Two Mile Corner (Routes 138/114)
 Estimate Name - TMC Addendum No. 1
 R.I. Contract No. - 2015-CH-001
 FAP Nos: 3RD-PRTY(234), NHP-0114(023), STPG-HSIP(020)

ItemCode	Description	Page
T20.2304	4 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKINGS YELLOW	141
T20.2312	12 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKINGS YELLOW	142
T20.9901	EPOXY RESIN PAVEMENT MARKING - SHARE THE ROAD SYMBOL	142
T20.9902	FAST-DRYING WATERBORNE PAINT PAVEMENT MARKING - SHARE THE ROAD SYMBOL	142
T20.9903	TEMPORARY WATERBORNE PAINT PAVEMENT MARKING - SHARE THE ROAD SYMBOL	143
T20.9904	TEMPORARY WATERBORNE PAINT PAVEMENT MARKING - HELMETED BICYCLIST SYMBOL WITH ARROW	143
T20.9905	TEMPORARY EPOXY RESIN PAVEMENT MARKING - SHARE THE ROAD SYMBOL	143
T20.9906	TEMPORARY EPOXY RESIN PAVEMENT MARKING - HELMETED BICYCLIST SYMBOL WITH ARROW	144

Distribution of Quantities

Project Name - Reconstruction of Two Mile Corner (Routes 138/114)

Estimate Name - TMC Addendum No. 1

R.I. Contract No. - 2015-CH-001

FAP Nos: 3RD-PRTY(234), NHP-0114(023), STPG-HSIP(020)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
139	911.0100	Cont. STANDARD 10.1.0				
		EAST MAIN ROAD				
		STA. 205+18 TO STA. 205+23 LT		2.00	0003	01
		STA. 207+26 TO STA. 207+33 LT		3.00	0003	01
		STA. 207+85 TO STA. 207+91 LT		3.00	0003	01
		STA. 207+95 TO STA. 208+24 LT		12.00	0003	01
		STA. 208+27 TO STA. 208+67 LT		16.00	0003	01
		STA. 208+71 TO STA. 209+02 LT		13.00	0003	01
		Item 911.0100 Total:		49.00		
140	911.0101	STONE MASONRY STEPS STANDARD 10.4.0 CY				
		EAST MAIN ROAD				
		STA. 205+18 TO STA. 205+23 LT		2.00	0003	01
		STA. 207+28 TO STA. 207+32 LT		2.00	0003	01
		STA. 207+91 TO STA. 207+95 LT		2.00	0003	01
		STA. 208+67 TO STA. 208+71 LT		2.00	0003	01
		Item 911.0101 Total:		8.00		
141	914.5010	FLAGPERSONS	MHRS			
		PROJECT WIDE				
		TRAFFIC CONTROL		5,760.00	0021	02
		Item 914.5010 Total:		5,760.00		
142	914.5020	FLAGPERSONS - OVERTIME	MHRS			
		PROJECT WIDE				
		TRAFFIC CONTROL		580.00	0021	02
		Item 914.5020 Total:		580.00		
143	915.0200	HIGHWAY BOUNDS REINFORCED CONCRETE	EACH			
		STANDARD 14.1.0				
		CODDINGTON HIGHWAY				
		STA. 305+22 RT		1.00	0003	01
		STA. 305+92 RT		1.00	0003	01