STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

NASHUA-MERRIMACK-BEDFORD
13761A

March 21, 2024

ADDENDUM NO. 1

Bidders are hereby advised to make the following revisions to the Plans and Proposal:

1. **Replace**, in the Proposal, the **Information Report** (pages 1 through 17) with the attached revised **Information Report** (pages 1A through 17A) and the **Bid Schedule** (pages 1 through 25) with the attached revised **Bid Schedule** (pages 1A through 25A). The following charts are summaries of the revisions to the items and quantities:

   a. Quantity changes:

Item Number	Description	Unit	From	To
645.75	Cold Weather Stabilization Plan	Unit	1	**4**

   b. Add Item:

Item Number	Description	Unit	Quantity
645.73	Stream Diversion Plan	Unit	**1**

2. **Insert**, in the Proposal, attached pages 44A through 44E, which is the **NHDES Wetlands Permit approval**.

3. **Insert**, in the Proposal, attached pages 453A through 453C, which is the **Special Provision** for **Item 645.73 – Stream Diversion Plan**.

4. **Amend**, in the Proposal, on page 527, in the *Special Provision* for *Item 677.31_ - Wireless Communications Equipment*, subsection **2.3.3** to read:

   2.3.3 The RU shall operate in the broadband frequency band of **4.9** gigahertz (GHz).

5. **Replace**, in the Plans, sheet 19 with attached sheet 19A, which is the *Quantity Summary 3 of 20* sheet. The revised sheet updates the **location of median barrier stations** (Reference 17) in the *Guardrail* summary.

6. **Replace,** in the Plans, sheet 21 with attached sheet 21A, which is the *Quantity Summary 5 of 20* sheet. The revised sheet adds **Item 645.73 – Stream Diversion Plan** and revises the quantity of **Item 645.75 – Cold Weather Stabilization Plan,** as shown above, in the *Temporary Erosion Control* summary.

THE CONTRACTOR SHALL ACKNOWLEDGE THIS ADDENDUM ELECTRONICALLY AS PART OF THE ELECTRONIC BID

William J. Oldenburg, P. E.
Director of Project Development

3/21/24
Date

Information Report

NASHUA-MERRIMACK-BEDFORD
13761A
NON-FEDERAL

County:	HILLSBOROUGH
Date Bids Open:	3/28/2024
Scope of Work:	FE Everett Turnpike widening of a 2-lane section from Exit 8 (Nashua) to Exit 10 (Merrimack).
Location:	FE Everett Turnpike
Completion Date:	5/5/2028
Proposal Guarantee:	5% of bid amount

Item Number	Item Description	Unit	Estimated Quantity
NASHUA-MERRIMACK-BEDFORD 13761A			
FEET Mainline Roadway			
201.1	CLEARING AND GRUBBING (F)	A	11.80
201.6	CLEARING FOR FENCE LINES (F)	A	0.61
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	140.00
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	7.00
202.31	FILL ABANDONED PIPE	CY	261.00
202.32	FILL AND ABANDON STRUCTURE	CY	47.00
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	1,550.00
202.5	REMOVAL OF CATCH BASINS, DROP INLETS, AND MANHOLES	EA	37.00
202.7	REMOVAL OF GUARDRAIL	LF	8,000.00
202.74	REMOVAL OF CONCRETE BARRIER	LF	6,700.00
202.8	REMOVAL OF FENCE	LF	4,650.00
202.841	REMOVAL OF PULL BOX	EA	1.00
202.843	REMOVAL OF LIGHT POLE	U	1.00
203.112	COMMON EXCAVATION - LRS/PFAS	CY	34,960.00
203.12	COMMON EXCAVATION - PFAS	CY	59,280.00

203.2	ROCK EXCAVATION	CY	1,010.00
203.53	LOW PERMEABILITY FILL (F)	CY	1,980.00
203.5525	PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM	U	5.00
203.55261	INSTALLATION AND REMOVAL OF SWZ - PORTABLE QUEUE TRAILER PLATFORM	U	2.00
203.55262	INSTALLATION AND REMOVAL OF SWZ - PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM	U	1.00
203.55264	INSTALLATION AND REMOVAL OF SWZ - MOBILE VIDEO TRAILER PLATFORM	U	1.00
203.5561	EAGRT PLATFORM PREFERRED	U	7.00
203.5562	EAGRT PLATFORM ALTERNATE	U	1.00
203.6	EMBANKMENT-IN-PLACE (F)	CY	39,168.00
203.601	EMBANKMENT-IN-PLACE	CY	67,200.00
206.1	COMMON STRUCTURE EXCAVATION	CY	1,500.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	50.00
206.2	ROCK STRUCTURE EXCAVATION	CY	218.00
209.1	GRANULAR BACKFILL	CY	360.00
210.1	SETTLEMENT PLATFORM	EA	14.00
214.	FINE GRADING	U	0.95
304.1	SAND (F)	CY	8,780.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	65.00
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	14,818.00
304.41	CRUSHED STONE (FINE GRADATION) FOR SHIM	CY	5,500.00
304.5	CRUSHED STONE (COARSE GRADATION) (F)	CY	8,703.00
403.11021	HBP-3/4" BINDER MIX, MACHINE METHOD, QC/QA TIER 1	TON	22,200.00
403.11031	HBP-3/4" WINTER BINDER MIX, MACHINE METHOD, QC/QA TIER 1	TON	8,000.00
403.11941	HBP-1/2" SURFACE MIX, MACHINE METHOD, HIGH STRENGTH, QC/QA TIER 1	TON	13,500.00
403.12	HBP-HAND METHOD	TON	1,440.00
403.16	PAVEMENT JOINT ADHESIVE	LF	218,000.00
403.19	HBP-TEMPORARY	TON	16,774.00

403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	43,700.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	10,050.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	65,150.00
417.416	RUMBLE STRIPS, 16" WIDE	LF	44,300.00
503.301	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	1.00
503.302	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	1.00
503.303	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	1.00
503.304	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	1.00
503.305	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	1.00
503.306	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	1.00
508.	STRUCTURAL FILL	CY	100.00
520.1	CONCRETE CLASS A	CY	9.00
520.2	CONCRETE CLASS B	CY	210.00
520.421	CONCRETE CLASS F, FLOWABLE FILL, EXCAVATABLE	CY	60.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	3.00
544.1	REINFORCING STEEL (ROADWAY)	LB	25,000.00
545.2	DRILLED AND GROUTED STEEL DOWELS	EA	36.00
585.2	STONE FILL, CLASS B	CY	900.00
585.23	STONE FILL, CLASS B (MODIFIED)	CY	3,200.00
585.3	STONE FILL, CLASS C	CY	865.00
585.4	STONE FILL, CLASS D	CY	310.00
585.7	STONE FILL, CLASS G	CY	10.00
593.121	GEOTEXTILE; SUBSUR DRAIN CL.2, NON-WOVEN	SY	20.00
593.211	GEOTEXTILE; SEPARATION CL.1, NON-WOVEN	SY	2,730.00
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	1,450.00
593.421	GEOTEXTILE; PERM CONTROL CL.2, NON-WOVEN	SY	420.00
603.0001	VIDEO INSPECTION	LF	12,760.00

603.00212	12" R.C. PIPE, 2000D	LF	40.00
603.00215	15" R.C. PIPE, 2000D	LF	528.00
603.00218	18" R.C. PIPE, 2000D	LF	836.00
603.00224	24" R.C. PIPE, 2000D	LF	60.00
603.00230	30" R.C. PIPE, 2000D	LF	125.00
603.00236	36" R.C. PIPE, 2000D	LF	125.00
603.30115	15" R.C. END SECTIONS	EA	6.00
603.30118	18" R.C. END SECTIONS	EA	4.00
603.30124	24" R.C. END SECTIONS	EA	2.00
603.30130	30" R.C. END SECTIONS	EA	1.00
603.30136	36" R.C. END SECTIONS	EA	1.00
603.34115	15" STEEL END SECTIONS	EA	4.00
603.82215	15" PE PIPE (TYPE S)	LF	6,200.00
603.82218	18" PE PIPE (TYPE S)	LF	2,020.00
603.82224	24" PE PIPE (TYPE S)	LF	1,890.00
603.82230	30" PE PIPE (TYPE S)	LF	190.00
603.99012	12" TEMPORARY DRAINAGE PIPE	LF	635.00
603.99015	15" TEMPORARY DRAINAGE PIPE	LF	365.00
604.0007	POLYETHYLENE LINER	EA	81.00
604.114	CATCH BASINS TYPE A, 4-FOOT DIAMETER	U	59.00
604.1149	TEMPORARY CATCH BASINS TYPE A, 4-FOOT DIAMETER	U	28.00
604.115	CATCH BASINS TYPE A, 5-FOOT DIAMETER	U	21.00
604.116	CATCH BASINS TYPE A, 6-FOOT DIAMETER	U	3.00
604.118	CATCH BASINS TYPE A, 8-FOOT DIAMETER	U	2.00
604.154	CATCH BASINS TYPE E, 4-FOOT DIAMETER	U	8.00
604.155	CATCH BASINS TYPE E, 5-FOOT DIAMETER	U	4.00
604.324	DRAINAGE MANHOLES, 4-FOOT DIAMETER	U	4.00

604.51	RECONSTRUCTING/ADJUSTING SEWER MANHOLES	LF	7.00
604.9101	OUTLET CONTROL STRUCTURE	U	1.00
604.91141	OUTLET CONTROL STRUCTURE WITH 24"X24" SLUICE GATE	U	1.00
604.91142	OUTLET CONTROL STRUCTURE WITH 24"X24" SLUICE GATE	U	1.00
604.91151	OUTLET CONTROL STRUCTURE WITH 30"X30" SLUICE GATE	U	1.00
605.506	6" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	12,300.00
605.508	8" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	5,030.00
605.79	UNDERDRAIN FLUSHING BASINS	EA	10.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	8.00
606.1471	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (MASH MID-SPLICE)	U	7.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	4,075.00
606.18011	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (8' STEEL POST)	LF	150.00
606.41251	54" TO 45" TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	U	2.00
606.413	SINGLE SLOPE CONCRETE MEDIAN BARRIER, PRECAST	LF	9,100.00
606.4135	54" SINGLE SLOPE CONCRETE BARRIER, PRECAST	LF	210.00
606.4139	SINGLE SLOPE CONCRETE MEDIAN BARRIER (MODIFIED), PRECAST	LF	950.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	25,400.00
606.4229	MODIFIED CONCRETE MEDIAN BARRIER, CAST-IN-PLACE	LF	15.00
606.4239	MODIFIED SINGLE SLOPE CONCRETE BARRIER, CAST-IN-PLACE	LF	1,100.00
606.91	RESETTING OR SETTING GUARDRAIL	LF	2,700.00
606.93	TEMPORARY BEAM GUARDRAIL	LF	7,000.00
606.93254	TEMPORARY BEAM GUARDRAIL (TERMINAL UNIT EAGRT, TL-3) (STEEL POSTS)	U	5.00
606.9347	TEMPORARY BEAM GUARDRAIL (TERM. UNIT TYPE G-2)	U	3.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	4.00
606.9632	TEMPORARY BARRIER TO BRIDGE RAIL TRANSITION (STEEL POSTS)	U	1.00
607.140	WOVEN WIRE FENCE, 4'-0" HIGH	LF	5,700.00
607.350	CHAIN LINK FENCE WITH VINYL COATED STEEL FABRIC, 5' HIGH	LF	2,550.00

607.4140	POST ASSEMBLIES FOR WOVEN WIRE FENCE, 4'-0" HIGH	EA	30.00
607.4350	POST ASSEMBLIES FOR CHAIN LINK FENCE WITH VINYL CTD STL FABRIC, 5' HIGH	EA	25.00
607.64318	BAR WAY, 18 FT.	U	1.00
609.5	RESET GRANITE CURB	LF	1,800.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	4,150.00
615.0101	TRAFFIC SIGN TYPE A	SF	333.00
615.01201	TRAFFIC SIGN TYPE A, BREAKAWAY MOUNTS	SF	88.00
615.013	REMOVING TRAFFIC SIGN TYPE A	U	8.00
615.014	RELOCATING TRAFFIC SIGN TYPE A	U	3.00
615.0201	TRAFFIC SIGN TYPE B	SF	143.00
615.023	REMOVING TRAFFIC SIGN TYPE B	U	24.00
615.024	RELOCATING TRAFFIC SIGN TYPE B	U	2.00
615.0301	TRAFFIC SIGN TYPE C	SF	12.00
615.03201	TRAFFIC SIGN TYPE C, BREAKAWAY MOUNTS	SF	59.00
615.033	REMOVING TRAFFIC SIGN, TYPE C	U	10.00
615.034	RELOCATING TRAFFIC SIGN, TYPE C	U	3.00
615.0401	TRAFFIC SIGN TYPE AA	SF	1,135.00
615.0601	TRAFFIC SIGN TYPE CC	SF	9.00
615.20001	CANTILEVER TRAFFIC SIGN STRUCTURE	U	1.00
615.20002	CANTILEVER TRAFFIC SIGN STRUCTURE	U	1.00
615.20003	CANTILEVER TRAFFIC SIGN STRUCTURE	U	1.00
615.20004	CANTILEVER TRAFFIC SIGN STRUCTURE	U	1.00
615.20005	CANTILEVER TRAFFIC SIGN STRUCTURE	U	1.00
615.20006	CANTILEVER TRAFFIC SIGN STRUCTURE	U	1.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	$	800,000.00
619.1	MAINTENANCE OF TRAFFIC	U	0.90
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	5.00

619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00
619.502	WORK ZONE ITS OPERATIONAL COSTS (WINTER)	MON	16.00
619.503	WORK ZONE ITS OPERATIONAL COSTS (SUMMER)	MON	30.00
619.51	PORTABLE QUEUE TRAILER / SENSOR (PQT)	MON	190.00
619.52	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)	MON	140.00
619.54	MOBILE VIDEO TRAILER WITH PAN TILT ZOOM (PTZ)	MON	95.00
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00
619.91	RELOCATE WORK ZONE ITS DEVICE	U	24.00
621.1	RETROREFLECTIVE MEDIAN BARRIER DELINEATOR	EA	250.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	64.00
621.3112	SINGLE LARGE DELINEATOR WITH POST	EA	111.00
622.1	STEEL WITNESS MARKERS	EA	40.00
622.2	CONCRETE BOUNDS	EA	16.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	1,880.00
631.024	MODULAR GLARE SCREEN	LF	2,000.00
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	489,000.00
632.1106	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 6" LINE	LF	15,000.00
632.3106	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE	LF	5,750.00
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	2,165.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	180,500.00
641.1	PERMEABLE SOIL	CY	630.00
643.21	FERTILIZER FOR REFERTILIZATION	LB	9,558.00
645.119	MULCH WITH TACKIFIERS	A	9.00
645.3	EROSION STONE	TON	3,000.00
645.44	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	SY	26,000.00
645.45	PERMANENT CHANNEL MATTING TYPE A	SY	8,300.00
645.48	EROSION CONTROL MIX	CY	90.00

645.482	STUMP GRINDINGS FOR TEMPORARY EROSION CONTROL	CY	800.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	19,401.00
645.531	SILT FENCE	LF	19,401.00
645.611	BONDED FIBER MATRIX (BFM)	LB	90,000.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00
645.71	WATER QUALITY MONITORING, INSPECTION AND REPORTING	HR	1,200.00
645.72	FINAL WETLAND IMPACT REPORT	U	1.00
645.73	STREAM DIVERSION PLAN	U	1.00
645.74	EROSION CONTROL PLAN	U	1.00
645.75	COLD WEATHER STABILIZATION PLAN	U	4.00
646.2	TURF ESTABLISHMENT WITHOUT MULCH	A	22.10
647.1	HUMUS	CY	10,200.00
658.21	TRANSPLANTATION OF PLANT MATERIAL	U	1.00
670.02	SEDIMENT SUMP MEASURING BLOCK	EA	4.00
670.04501	CONSTRUCT AND REMOVE DIVERSION	U	1.00
670.04502	CONSTRUCT AND REMOVE DIVERSION	U	1.00
670.04503	CONSTRUCT AND REMOVE DIVERSION	U	1.00
670.04504	CONSTRUCT AND REMOVE DIVERSION	U	1.00
670.104	TEMPORARY PORTABLE LIGHTING	U	4.00
670.1619	DISCHARGE PERMIT FOR CONTAMINATED WATER	U	1.00
670.822	GNSS CONSTRUCTION INSPECTION EQUIPMENT	U	1.00
677.466	MOTOR VEHICLE DETECTION SYSTEM (MVDS) FOR TRAFFIC STUDY	U	1.00
678.71	RESET IMPACT ATTENUATION DEVICE	U	1.00
692.	MOBILIZATION	U	0.90
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00
697.31	PROJECT OPERATIONS PLAN	U	1.00
697.41	CRITICAL PATH METHOD (CPM) ELECTRONIC SCHEDULE	U	1.00

698.11	FIELD OFFICE TYPE A	MON	47.00
698.2	PHYSICAL TESTING LABORATORY	MON	45.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	$	150,000.00
1008.8	ALTERATIONS AND ADDITIONS AS NEEDED - WINTER MAINTENANCE	$	25,000.00
1010.15	FUEL ADJUSTMENT	$	208,500.00
1010.2	ASPHALT CEMENT ADJUSTMENT	$	95,000.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	$	202,850.00
ITS Infrastructure			
202.83311	REMOVE AND SALVAGE RWIS STRUCTURE	U	1.00
206.2	ROCK STRUCTURE EXCAVATION	CY	36.00
614.2429	4" 2-DUCT FIBERGLASS CONDUIT (BRIDGE)	LF	180.00
614.331	3" STEEL CONDUIT	LF	35.00
614.512	CONCRETE PULL BOX 18"	EA	8.00
614.523	MOLDED PULL BOX 17"X30"	EA	4.00
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	1,740.00
614.73118	3" PVC CONDUIT, SCHEDULE 80	LF	195.00
677.3101	WIRELESS COMMUNICATIONS EQUIPMENT	U	1.00
677.3102	WIRELESS COMMUNICATIONS EQUIPMENT	U	1.00
677.3103	WIRELESS COMMUNICATIONS EQUIPMENT	U	1.00
677.41001	CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM FOUNDATION	U	1.00
677.41002	CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM FOUNDATION	U	1.00
677.41003	CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM FOUNDATION	U	1.00
677.4101	CCTV SYSTEM	U	1.00
677.4102	CCTV SYSTEM	U	1.00
677.4103	CCTV SYSTEM	U	1.00
677.4217	RELOCATE NON-INVASIVE SENSOR EQUIPMENT	U	1.00
677.54101	GROUND MOUNTED ITS EQUIPMENT CABINET	U	1.00

677.54201	POLE MOUNTED ITS EQUIPMENT CABINET	U	1.00
677.54202	POLE MOUNTED ITS EQUIPMENT CABINET	U	1.00
677.5822	1 GBPS FIBER ETHERNET SWITCH	EA	3.00
677.6301	METER AND DISCONNECT PEDESTAL	U	1.00
677.6302	METER AND DISCONNECT PEDESTAL	U	1.00
677.6303	METER AND DISCONNECT PEDESTAL	U	1.00
677.6304	METER AND DISCONNECT PEDESTAL	U	1.00
677.6305	METER AND DISCONNECT PEDESTAL	U	1.00
677.64	UNINTERRUPTIBLE POWER SUPPLY (UPS)	EA	3.00
677.9301	3-CONDUCTOR #1 AWG CABLE	LF	2,000.00
677.9302	3-CONDUCTOR #2 AWG CABLE	LF	300.00
677.9308	3-CONDUCTOR #8 AWG CABLE	LF	135.00
1010.15	FUEL ADJUSTMENT	$	5,000.00
NB Pennichuck Brook Bridge			
203.6	EMBANKMENT-IN-PLACE (F)	CY	208.00
207.3	UNCLASSIFIED CHANNEL EXCAVATION	CY	567.50
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	617.50
403.21053	HBP-3/8" MIX, MACHINE METHOD (BRIDGE BASE)	TON	54.00
403.26	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	925.00
403.29	HBP-TEMPORARY (BRIDGE)	TON	14.00
502.	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	0.50
503.201	COFFERDAMS	U	0.50
503.202	COFFERDAMS	U	0.50
503.203	COFFERDAMS	U	0.50
503.204	COFFERDAMS	U	0.50
503.307	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	0.50
503.308	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	0.50

503.309	COFFERDAMS WITH SHEETING LEFT IN PLACE	U	0.50
503.310	COFFERDAMS WITH SHEETING LEFT IN PLACE	U	0.50
504.1	COMMON BRIDGE EXCAVATION (F)	CY	1,179.50
508.	STRUCTURAL FILL	CY	102.50
510.1	PILE DRIVING EQUIPMENT	U	0.50
510.22	HIGH-STRAIN DYNAMIC TESTING	EA	3.00
510.61	FURNISHING & DRIVING STEEL BEARING PILES	LB	70,600.00
510.65	DRIVING-POINTS FOR STEEL BEARING PILES	EA	14.00
510.9	PILE SPLICES	EA	4.00
520.02	CONCRETE CLASS AA, ABOVE FOOTINGS (F)	CY	104.50
520.0302	CONCRETE CLASS AA APPROACH SLABS (QC/QA) (F)	CY	184.00
520.7002	CONCRETE BRIDGE DECK (QC/QA) (F)	CY	225.00
528.51	PRESTRESSED CONCRETE DECK PANELS (F)	SF	4,125.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	28.00
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	37.50
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	940.00
541.1	PVC WATERSTOPS, NH TYPE 1 (F)	LF	123.00
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	107,155.50
544.21	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS (F)	LB	7,086.00
547.	SHEAR CONNECTORS (F)	EA	2,814.00
550.1	STRUCTURAL STEEL (F)	LB	167,140.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	118.00
559.6	PREFORMED CLOSED CELL EXPANSION JOINT SYSTEM (F)	LF	138.50
562.1	SILICONE JOINT SEALANT (F)	LF	20.00
585.2	STONE FILL, CLASS B	CY	173.00
585.23	STONE FILL, CLASS B (MODIFIED)	CY	942.50
585.4	STONE FILL, CLASS D	CY	40.00

593.211	GEOTEXTILE; SEPARATION CL.1, NON-WOVEN	SY	90.00
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	447.50
605.906	6" PIPE UNDERDRAIN (CONTRACTORS OPTION)	LF	290.00
606.312	SINGLE FACED TRANSITION RAIL, STEEL POST	U	2.00
606.413	SINGLE SLOPE CONCRETE MEDIAN BARRIER, PRECAST	LF	50.00
606.4139	SINGLE SLOPE CONCRETE MEDIAN BARRIER (MODIFIED), PRECAST	LF	42.50
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	240.00
645.0001	TURBIDITY BARRIER	LF	1,300.00
692.	MOBILIZATION	U	0.05
1010.01	STEEL COST ADJUSTMENT	$	25,000.00
1010.15	FUEL ADJUSTMENT	$	12,500.00
1010.41	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE	$	30,000.00
SB Pennichuck Brook Bridge			
203.6	EMBANKMENT-IN-PLACE (F)	CY	208.00
207.3	UNCLASSIFIED CHANNEL EXCAVATION	CY	567.50
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	617.50
403.21053	HBP-3/8" MIX, MACHINE METHOD (BRIDGE BASE)	TON	54.00
403.26	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	925.00
403.29	HBP-TEMPORARY (BRIDGE)	TON	14.00
502.	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	0.50
503.201	COFFERDAMS	U	0.50
503.202	COFFERDAMS	U	0.50
503.203	COFFERDAMS	U	0.50
503.204	COFFERDAMS	U	0.50
503.307	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	0.50
503.308	COFFERDAMS WITH SHEETING LEFT-IN-PLACE	U	0.50
503.309	COFFERDAMS WITH SHEETING LEFT IN PLACE	U	0.50

503.310	COFFERDAMS WITH SHEETING LEFT IN PLACE	U	0.50
504.1	COMMON BRIDGE EXCAVATION (F)	CY	1,179.50
508.	STRUCTURAL FILL	CY	102.50
510.1	PILE DRIVING EQUIPMENT	U	0.50
510.22	HIGH-STRAIN DYNAMIC TESTING	EA	3.00
510.61	FURNISHING & DRIVING STEEL BEARING PILES	LB	70,600.00
510.65	DRIVING-POINTS FOR STEEL BEARING PILES	EA	14.00
510.9	PILE SPLICES	EA	4.00
520.02	CONCRETE CLASS AA, ABOVE FOOTINGS (F)	CY	104.50
520.0302	CONCRETE CLASS AA APPROACH SLABS (QC/QA) (F)	CY	184.00
520.7002	CONCRETE BRIDGE DECK (QC/QA) (F)	CY	225.00
528.51	PRESTRESSED CONCRETE DECK PANELS (F)	SF	4,125.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	28.00
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	37.50
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	940.00
541.1	PVC WATERSTOPS, NH TYPE 1 (F)	LF	123.00
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	107,155.50
544.21	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS (F)	LB	7,086.00
547.	SHEAR CONNECTORS (F)	EA	2,814.00
550.1	STRUCTURAL STEEL (F)	LB	167,140.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	118.00
559.6	PREFORMED CLOSED CELL EXPANSION JOINT SYSTEM (F)	LF	138.50
562.1	SILICONE JOINT SEALANT (F)	LF	20.00
585.2	STONE FILL, CLASS B	CY	173.00
585.23	STONE FILL, CLASS B (MODIFIED)	CY	942.50
585.4	STONE FILL, CLASS D	CY	40.00
593.211	GEOTEXTILE; SEPARATION CL.1, NON-WOVEN	SY	90.00

593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	447.50
605.906	6" PIPE UNDERDRAIN (CONTRACTORS OPTION)	LF	290.00
606.312	SINGLE FACED TRANSITION RAIL, STEEL POST	U	2.00
606.413	SINGLE SLOPE CONCRETE MEDIAN BARRIER, PRECAST	LF	50.00
606.4139	SINGLE SLOPE CONCRETE MEDIAN BARRIER (MODIFIED), PRECAST	LF	42.50
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	240.00
614.2429	4" 2-DUCT FIBERGLASS CONDUIT (BRIDGE)	LF	110.00
645.0001	TURBIDITY BARRIER	LF	1,300.00
692.	MOBILIZATION	U	0.05
1010.01	STEEL COST ADJUSTMENT	$	25,000.00
1010.15	FUEL ADJUSTMENT	$	12,500.00
1010.41	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE	$	30,000.00
Exit 10 Ramps			
201.1	CLEARING AND GRUBBING (F)	A	1.20
202.31	FILL ABANDONED PIPE	CY	28.00
202.32	FILL AND ABANDON STRUCTURE	CY	80.00
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	1,190.00
202.5	REMOVAL OF CATCH BASINS, DROP INLETS, AND MANHOLES	EA	19.00
202.7	REMOVAL OF GUARDRAIL	LF	1,300.00
202.841	REMOVAL OF PULL BOX	EA	7.00
202.843	REMOVAL OF LIGHT POLE	U	10.00
203.112	COMMON EXCAVATION - LRS/PFAS	CY	3,750.00
203.12	COMMON EXCAVATION - PFAS	CY	800.00
203.2	ROCK EXCAVATION	CY	1,440.00
203.5561	EAGRT PLATFORM PREFERRED	U	2.00
203.6	EMBANKMENT-IN-PLACE (F)	CY	2,731.00
206.2	ROCK STRUCTURE EXCAVATION	CY	68.00

214.	FINE GRADING	U	0.05
304.1	SAND (F)	CY	748.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	15.00
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	324.00
304.41	CRUSHED STONE (FINE GRADATION) FOR SHIM	CY	1,300.00
304.5	CRUSHED STONE (COARSE GRADATION) (F)	CY	431.00
403.11022	HBP-3/4" BINDER MIX, MACHINE METHOD, QC/QA TIER 2	TON	990.00
403.11942	HBP-1/2" SURFACE MIX, MACHINE METHOD, HIGH STRENGTH, QC/QA TIER 2	TON	990.00
403.12	HBP-HAND METHOD	TON	670.00
403.16	PAVEMENT JOINT ADHESIVE	LF	12,700.00
403.19	HBP-TEMPORARY	TON	26.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	2,030.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	700.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	6,650.00
603.0001	VIDEO INSPECTION	LF	1,870.00
603.00215	15" R.C. PIPE, 2000D	LF	90.00
603.00218	18" R.C. PIPE, 2000D	LF	100.00
603.00224	24" R.C. PIPE, 2000D	LF	420.00
603.82215	15" PE PIPE (TYPE S)	LF	230.00
603.82218	18" PE PIPE (TYPE S)	LF	930.00
603.82224	24" PE PIPE (TYPE S)	LF	65.00
604.0007	POLYETHYLENE LINER	EA	16.00
604.114	CATCH BASINS TYPE A, 4-FOOT DIAMETER	U	10.00
604.115	CATCH BASINS TYPE A, 5-FOOT DIAMETER	U	3.00
604.116	CATCH BASINS TYPE A, 6-FOOT DIAMETER	U	5.00
604.154	CATCH BASINS TYPE E, 4-FOOT DIAMETER	U	2.00
605.506	6" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	1,510.00

605.508	8" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	1,340.00
605.79	UNDERDRAIN FLUSHING BASINS	EA	2.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	2.00
606.1471	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (MASH MID-SPLICE)	U	1.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	1,125.00
608.38	8" REINFORCED CONCRETE SIDEWALK (F)	SY	265.00
609.214	STRAIGHT GRANITE SLOPE CURB, 4" HIGH	LF	450.00
609.22	STRAIGHT GRANITE SLOPE CURB WITH RADIAL JOINTS	LF	4.00
609.5	RESET GRANITE CURB	LF	4,400.00
614.523	MOLDED PULL BOX 17"X30"	EA	2.00
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	760.00
615.0201	TRAFFIC SIGN TYPE B	SF	11.00
615.02201	TRAFFIC SIGN TYPE B, BREAKAWAY MOUNTS	SF	33.00
615.023	REMOVING TRAFFIC SIGN TYPE B	U	4.00
615.0301	TRAFFIC SIGN TYPE C	SF	46.00
615.03201	TRAFFIC SIGN TYPE C, BREAKAWAY MOUNTS	SF	21.00
615.033	REMOVING TRAFFIC SIGN, TYPE C	U	11.00
615.034	RELOCATING TRAFFIC SIGN, TYPE C	U	3.00
615.0601	TRAFFIC SIGN TYPE CC	SF	15.00
619.1	MAINTENANCE OF TRAFFIC	U	0.10
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	26.00
621.3112	SINGLE LARGE DELINEATOR WITH POST	EA	46.00
622.1	STEEL WITNESS MARKERS	EA	4.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	2,910.00
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	16,000.00
632.3106	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE	LF	400.00
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	810.00

632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	60.00
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	170.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	31,000.00
632.912	OBLITERATE PAVE. MARKING LINE, OVER 12" WIDE	LF	60.00
632.92	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD	SF	170.00
643.21	FERTILIZER FOR REFERTILIZATION	LB	3,342.00
645.119	MULCH WITH TACKIFIERS	A	2.00
645.44	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	SY	1,430.00
645.45	PERMANENT CHANNEL MATTING TYPE A	SY	680.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	6,944.00
645.531	SILT FENCE	LF	6,944.00
645.611	BONDED FIBER MATRIX (BFM)	LB	10,000.00
646.2	TURF ESTABLISHMENT WITHOUT MULCH	A	3.90
647.1	HUMUS	CY	1,850.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	$	10,000.00
1010.15	FUEL ADJUSTMENT	$	10,000.00
1010.2	ASPHALT CEMENT ADJUSTMENT	$	5,000.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	$	9,108.00
FEET Turnpike Facilities			
202.33	FILL AND ABANDON BOX CULVERT	CY	300.00
203.112	COMMON EXCAVATION - LRS/PFAS	CY	375.00
203.601	EMBANKMENT-IN-PLACE	CY	750.00
206.2	ROCK STRUCTURE EXCAVATION	CY	638.00
670.563	PREPARATIONS FOR FILLING AND ABANDONING TUNNEL	U	1.00
1010.15	FUEL ADJUSTMENT	$	1,500.00

Bid Schedule

NASHUA-MERRIMACK-BEDFORD
13761A
NON-FEDERAL

NOTE: For complete information concerning these items, see plans, special provisions, supplemental specifications, and 2016 NHDOT Standard Specifications for Road and Bridge Construction.

Item#	Quantity	Description	Unit Price	Amount
201.1	13.00 A	CLEARING AND GRUBBING (F) At _____ Dollars Per A		
201.6	0.61 A	CLEARING FOR FENCE LINES (F) At _____ Dollars Per A		
201.881	140.00 SY	INVASIVE SPECIES CONTROL TYPE I At _____ Dollars Per SY		
201.882	7.00 SY	INVASIVE SPECIES CONTROL TYPE II At _____ Dollars Per SY		
202.31	289.00 CY	FILL ABANDONED PIPE At _____ Dollars Per CY		
202.32	127.00 CY	FILL AND ABANDON STRUCTURE At _____ Dollars Per CY		
202.33	300.00 CY	FILL AND ABANDON BOX CULVERT At _____ Dollars Per CY		
202.41	2,740.00 LF	REMOVAL OF EXISTING PIPE 0-24" DIAMETER At _____ Dollars Per LF		
202.5	56.00 EA	REMOVAL OF CATCH BASINS, DROP INLETS, AND MANHOLES At _____ Dollars Per EA		
202.7	9,300.00 LF	REMOVAL OF GUARDRAIL At _____ Dollars Per LF		

Item#	Quantity	Description	Unit Price	Amount
202.74	6,700.00 LF	REMOVAL OF CONCRETE BARRIER At _____ Dollars Per LF		
202.8	4,650.00 LF	REMOVAL OF FENCE At _____ Dollars Per LF		
202.83311	1.00 U	REMOVE AND SALVAGE RWIS STRUCTURE At _____ Dollars Per U		
202.841	8.00 EA	REMOVAL OF PULL BOX At _____ Dollars Per EA		
202.843	11.00 U	REMOVAL OF LIGHT POLE At _____ Dollars Per U		
203.112	39,085.00 CY	COMMON EXCAVATION - LRS/PFAS At _____ Dollars Per CY		
203.12	60,080.00 CY	COMMON EXCAVATION - PFAS At _____ Dollars Per CY		
203.2	2,450.00 CY	ROCK EXCAVATION At _____ Dollars Per CY		
203.53	1,980.00 CY	LOW PERMEABILITY FILL (F) At _____ Dollars Per CY		
203.5525	5.00 U	PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM At _____ Dollars Per U		
203.55261	2.00 U	INSTALLATION AND REMOVAL OF SWZ - PORTABLE QUEUE TRAILER PLATFORM At _____ Dollars Per U		
203.55262	1.00 U	INSTALLATION AND REMOVAL OF SWZ - PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM At _____ Dollars Per U		

Item#	Quantity	Description	Unit Price	Amount
203.55264	1.00 U	INSTALLATION AND REMOVAL OF SWZ - MOBILE VIDEO TRAILER PLATFORM At _____ Dollars Per U		
203.5561	9.00 U	EAGRT PLATFORM PREFERRED At _____ Dollars Per U		
203.5562	1.00 U	EAGRT PLATFORM ALTERNATE At _____ Dollars Per U		
203.6	42,315.00 CY	EMBANKMENT-IN-PLACE (F) At _____ Dollars Per CY		
203.601	67,950.00 CY	EMBANKMENT-IN-PLACE At _____ Dollars Per CY		
206.1	1,500.00 CY	COMMON STRUCTURE EXCAVATION At _____ Dollars Per CY		
206.19	50.00 CY	COMMON STRUCTURE EXCAVATION EXPLORATORY At _____ Dollars Per CY		
206.2	960.00 CY	ROCK STRUCTURE EXCAVATION At _____ Dollars Per CY		
207.3	1,135.00 CY	UNCLASSIFIED CHANNEL EXCAVATION At _____ Dollars Per CY		
209.1	360.00 CY	GRANULAR BACKFILL At _____ Dollars Per CY		
209.201	1,235.00 CY	GRANULAR BACKFILL (BRIDGE) (F) At _____ Dollars Per CY		
210.1	14.00 EA	SETTLEMENT PLATFORM At _____ Dollars Per EA		

Item#	Quantity	Description	Unit Price	Amount
214.	1.00 U	FINE GRADING At _____ Dollars Per U		
304.1	9,528.00 CY	SAND (F) At _____ Dollars Per CY		
304.32	80.00 TON	CRUSHED GRAVEL FOR SHOULDER LEVELING At _____ Dollars Per TON		
304.4	15,142.00 CY	CRUSHED STONE (FINE GRADATION) (F) At _____ Dollars Per CY		
304.41	6,800.00 CY	CRUSHED STONE (FINE GRADATION) FOR SHIM At _____ Dollars Per CY		
304.5	9,134.00 CY	CRUSHED STONE (COARSE GRADATION) (F) At _____ Dollars Per CY		
403.11021	22,200.00 TON	HBP-3/4" BINDER MIX, MACHINE METHOD, QC/QA TIER 1 At _____ Dollars Per TON		
403.11022	990.00 TON	HBP-3/4" BINDER MIX, MACHINE METHOD, QC/QA TIER 2 At _____ Dollars Per TON		
403.11031	8,000.00 TON	HBP-3/4" WINTER BINDER MIX, MACHINE METHOD, QC/QA TIER 1 At _____ Dollars Per TON		
403.11941	13,500.00 TON	HBP-1/2" SURFACE MIX, MACHINE METHOD, HIGH STRENGTH, QC/QA TIER 1 At _____ Dollars Per TON		
403.11942	990.00 TON	HBP-1/2" SURFACE MIX, MACHINE METHOD, HIGH STRENGTH, QC/QA TIER 2 At _____ Dollars Per TON		
403.12	2,110.00 TON	HBP-HAND METHOD At _____ Dollars Per TON		

Item#	Quantity	Description	Unit Price	Amount
403.16	230,700.00 LF	PAVEMENT JOINT ADHESIVE At _____ Dollars Per LF		
403.19	16,800.00 TON	HBP-TEMPORARY At _____ Dollars Per TON		
403.21053	108.00 TON	HBP-3/8" MIX, MACHINE METHOD (BRIDGE BASE) At _____ Dollars Per TON		
403.26	1,850.00 LF	PAVEMENT JOINT ADHESIVE (BRIDGE BASE) At _____ Dollars Per LF		
403.29	28.00 TON	HBP-TEMPORARY (BRIDGE) At _____ Dollars Per TON		
403.4	45,730.00 TON	MATERIAL TRANSFER VEHICLE (MTV) At _____ Dollars Per TON		
410.22	10,750.00 GAL	ASPHALT EMULSION FOR TACK COAT At _____ Dollars Per GAL		
417.	71,800.00 SY	COLD PLANING BITUMINOUS SURFACES At _____ Dollars Per SY		
417.416	44,300.00 LF	RUMBLE STRIPS, 16" WIDE At _____ Dollars Per LF		
502.	1.00 U	REMOVAL OF EXISTING BRIDGE STRUCTURE At _____ Dollars Per U		
503.201	1.00 U	COFFERDAMS At _____ Dollars Per U		
503.202	1.00 U	COFFERDAMS At _____ Dollars Per U		

Item#	Quantity	Description	Unit Price	Amount
503.203	1.00 U	COFFERDAMS At _____ Dollars Per U		
503.204	1.00 U	COFFERDAMS At _____ Dollars Per U		
503.301	1.00 U	COFFERDAMS WITH SHEETING LEFT-IN-PLACE At _____ Dollars Per U		
503.302	1.00 U	COFFERDAMS WITH SHEETING LEFT-IN-PLACE At _____ Dollars Per U		
503.303	1.00 U	COFFERDAMS WITH SHEETING LEFT-IN-PLACE At _____ Dollars Per U		
503.304	1.00 U	COFFERDAMS WITH SHEETING LEFT-IN-PLACE At _____ Dollars Per U		
503.305	1.00 U	COFFERDAMS WITH SHEETING LEFT-IN-PLACE At _____ Dollars Per U		
503.306	1.00 U	COFFERDAMS WITH SHEETING LEFT-IN-PLACE At _____ Dollars Per U		
503.307	1.00 U	COFFERDAMS WITH SHEETING LEFT-IN-PLACE At _____ Dollars Per U		
503.308	1.00 U	COFFERDAMS WITH SHEETING LEFT-IN-PLACE At _____ Dollars Per U		
503.309	1.00 U	COFFERDAMS WITH SHEETING LEFT IN PLACE At _____ Dollars Per U		
503.310	1.00 U	COFFERDAMS WITH SHEETING LEFT IN PLACE At _____ Dollars Per U		

Item#	Quantity	Description	Unit Price	Amount
504.1	2,359.00 CY	COMMON BRIDGE EXCAVATION (F) At _____ Dollars Per CY		
508.	305.00 CY	STRUCTURAL FILL At _____ Dollars Per CY		
510.1	1.00 U	PILE DRIVING EQUIPMENT At _____ Dollars Per U		
510.22	6.00 EA	HIGH-STRAIN DYNAMIC TESTING At _____ Dollars Per EA		
510.61	141,200.00 LB	FURNISHING & DRIVING STEEL BEARING PILES At _____ Dollars Per LB		
510.65	28.00 EA	DRIVING-POINTS FOR STEEL BEARING PILES At _____ Dollars Per EA		
510.9	8.00 EA	PILE SPLICES At _____ Dollars Per EA		
520.02	209.00 CY	CONCRETE CLASS AA, ABOVE FOOTINGS (F) At _____ Dollars Per CY		
520.0302	368.00 CY	CONCRETE CLASS AA APPROACH SLABS (QC/QA) (F) At _____ Dollars Per CY		
520.1	9.00 CY	CONCRETE CLASS A At _____ Dollars Per CY		
520.2	210.00 CY	CONCRETE CLASS B At _____ Dollars Per CY		
520.421	60.00 CY	CONCRETE CLASS F, FLOWABLE FILL, EXCAVATABLE At _____ Dollars Per CY		

Item#	Quantity	Description	Unit Price	Amount
520.7002	450.00 CY	CONCRETE BRIDGE DECK (QC/QA) (F) At _____ Dollars Per CY		
528.51	8,250.00 SF	PRESTRESSED CONCRETE DECK PANELS (F) At _____ Dollars Per SF		
534.3	59.00 GAL	WATER REPELLENT (SILANE/SILOXANE) At _____ Dollars Per GAL		
538.2	75.00 SY	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F) At _____ Dollars Per SY		
538.6	1,880.00 SY	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F) At _____ Dollars Per SY		
541.1	246.00 LF	PVC WATERSTOPS, NH TYPE 1 (F) At _____ Dollars Per LF		
544.1	25,000.00 LB	REINFORCING STEEL (ROADWAY) At _____ Dollars Per LB		
544.2	214,311.00 LB	REINFORCING STEEL, EPOXY COATED (F) At _____ Dollars Per LB		
544.21	14,172.00 LB	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS (F) At _____ Dollars Per LB		
545.2	36.00 EA	DRILLED AND GROUTED STEEL DOWELS At _____ Dollars Per EA		
547.	5,628.00 EA	SHEAR CONNECTORS (F) At _____ Dollars Per EA		
550.1	334,280.00 LB	STRUCTURAL STEEL (F) At _____ Dollars Per LB		

Item#	Quantity	Description	Unit Price	Amount
559.41	236.00 LF	ASPHALTIC PLUG FOR CRACK CONTROL (F) At _____ Dollars Per LF		
559.6	277.00 LF	PREFORMED CLOSED CELL EXPANSION JOINT SYSTEM (F) At _____ Dollars Per LF		
562.1	40.00 LF	SILICONE JOINT SEALANT (F) At _____ Dollars Per LF		
585.2	1,246.00 CY	STONE FILL, CLASS B At _____ Dollars Per CY		
585.23	5,085.00 CY	STONE FILL, CLASS B (MODIFIED) At _____ Dollars Per CY		
585.3	865.00 CY	STONE FILL, CLASS C At _____ Dollars Per CY		
585.4	390.00 CY	STONE FILL, CLASS D At _____ Dollars Per CY		
585.7	10.00 CY	STONE FILL, CLASS G At _____ Dollars Per CY		
593.121	20.00 SY	GEOTEXTILE; SUBSUR DRAIN CL.2, NON-WOVEN At _____ Dollars Per SY		
593.211	2,910.00 SY	GEOTEXTILE; SEPARATION CL.1, NON-WOVEN At _____ Dollars Per SY		
593.411	2,345.00 SY	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN At _____ Dollars Per SY		
593.421	420.00 SY	GEOTEXTILE; PERM CONTROL CL.2, NON-WOVEN At _____ Dollars Per SY		

Item#	Quantity	Description	Unit Price	Amount
603.0001	14,630.00 LF	VIDEO INSPECTION At _____ Dollars Per LF		
603.00212	40.00 LF	12" R.C. PIPE, 2000D At _____ Dollars Per LF		
603.00215	618.00 LF	15" R.C. PIPE, 2000D At _____ Dollars Per LF		
603.00218	936.00 LF	18" R.C. PIPE, 2000D At _____ Dollars Per LF		
603.00224	480.00 LF	24" R.C. PIPE, 2000D At _____ Dollars Per LF		
603.00230	125.00 LF	30" R.C. PIPE, 2000D At _____ Dollars Per LF		
603.00236	125.00 LF	36" R.C. PIPE, 2000D At _____ Dollars Per LF		
603.30115	6.00 EA	15" R.C. END SECTIONS At _____ Dollars Per EA		
603.30118	4.00 EA	18" R.C. END SECTIONS At _____ Dollars Per EA		
603.30124	2.00 EA	24" R.C. END SECTIONS At _____ Dollars Per EA		
603.30130	1.00 EA	30" R.C. END SECTIONS At _____ Dollars Per EA		
603.30136	1.00 EA	36" R.C. END SECTIONS At _____ Dollars Per EA		

Item#	Quantity	Description	Unit Price	Amount
603.34115	4.00 EA	15" STEEL END SECTIONS At _____ Dollars Per EA		
603.82215	6,430.00 LF	15" PE PIPE (TYPE S) At _____ Dollars Per LF		
603.82218	2,950.00 LF	18" PE PIPE (TYPE S) At _____ Dollars Per LF		
603.82224	1,955.00 LF	24" PE PIPE (TYPE S) At _____ Dollars Per LF		
603.82230	190.00 LF	30" PE PIPE (TYPE S) At _____ Dollars Per LF		
603.99012	635.00 LF	12" TEMPORARY DRAINAGE PIPE At _____ Dollars Per LF		
603.99015	365.00 LF	15" TEMPORARY DRAINAGE PIPE At _____ Dollars Per LF		
604.0007	97.00 EA	POLYETHYLENE LINER At _____ Dollars Per EA		
604.114	69.00 U	CATCH BASINS TYPE A, 4-FOOT DIAMETER At _____ Dollars Per U		
604.1149	28.00 U	TEMPORARY CATCH BASINS TYPE A, 4-FOOT DIAMETER At _____ Dollars Per U		
604.115	24.00 U	CATCH BASINS TYPE A, 5-FOOT DIAMETER At _____ Dollars Per U		
604.116	8.00 U	CATCH BASINS TYPE A, 6-FOOT DIAMETER At _____ Dollars Per U		

Item#	Quantity	Description	Unit Price	Amount
604.118	2.00 U	CATCH BASINS TYPE A, 8-FOOT DIAMETER At _____ Dollars Per U		
604.154	10.00 U	CATCH BASINS TYPE E, 4-FOOT DIAMETER At _____ Dollars Per U		
604.155	4.00 U	CATCH BASINS TYPE E, 5-FOOT DIAMETER At _____ Dollars Per U		
604.324	4.00 U	DRAINAGE MANHOLES, 4-FOOT DIAMETER At _____ Dollars Per U		
604.51	7.00 LF	RECONSTRUCTING/ADJUSTING SEWER MANHOLES At _____ Dollars Per LF		
604.9101	1.00 U	OUTLET CONTROL STRUCTURE At _____ Dollars Per U		
604.91141	1.00 U	OUTLET CONTROL STRUCTURE WITH 24"X24" SLUICE GATE At _____ Dollars Per U		
604.91142	1.00 U	OUTLET CONTROL STRUCTURE WITH 24"X24" SLUICE GATE At _____ Dollars Per U		
604.91151	1.00 U	OUTLET CONTROL STRUCTURE WITH 30"X30" SLUICE GATE At _____ Dollars Per U		
605.506	13,810.00 LF	6" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN At _____ Dollars Per LF		
605.508	6,370.00 LF	8" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN At _____ Dollars Per LF		
605.79	12.00 EA	UNDERDRAIN FLUSHING BASINS At _____ Dollars Per EA		

Item#	Quantity	Description	Unit Price	Amount
605.906	580.00 LF	6" PIPE UNDERDRAIN (CONTRACTORS OPTION) At _____ Dollars Per LF		
606.1254	10.00 U	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST) At _____ Dollars Per U		
606.1471	8.00 U	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (MASH MID-SPLICE) At _____ Dollars Per U		
606.18001	5,200.00 LF	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST) At _____ Dollars Per LF		
606.18011	150.00 LF	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (8' STEEL POST) At _____ Dollars Per LF		
606.312	4.00 U	SINGLE FACED TRANSITION RAIL, STEEL POST At _____ Dollars Per U		
606.41251	2.00 U	54" TO 45" TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST At _____ Dollars Per U		
606.413	9,200.00 LF	SINGLE SLOPE CONCRETE MEDIAN BARRIER, PRECAST At _____ Dollars Per LF		
606.4135	210.00 LF	54" SINGLE SLOPE CONCRETE BARRIER, PRECAST At _____ Dollars Per LF		
606.4139	1,035.00 LF	SINGLE SLOPE CONCRETE MEDIAN BARRIER (MODIFIED), PRECAST At _____ Dollars Per LF		
606.417	25,400.00 LF	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL At _____ Dollars Per LF		
606.41741	480.00 LF	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE At _____ Dollars Per LF		

Item#	Quantity	Description	Unit Price	Amount
606.4229	15.00 LF	MODIFIED CONCRETE MEDIAN BARRIER, CAST-IN-PLACE At _____ Dollars Per LF		
606.4239	1,100.00 LF	MODIFIED SINGLE SLOPE CONCRETE BARRIER, CAST-IN-PLACE At _____ Dollars Per LF		
606.91	2,700.00 LF	RESETTING OR SETTING GUARDRAIL At _____ Dollars Per LF		
606.93	7,000.00 LF	TEMPORARY BEAM GUARDRAIL At _____ Dollars Per LF		
606.93254	5.00 U	TEMPORARY BEAM GUARDRAIL (TERMINAL UNIT EAGRT, TL-3) (STEEL POSTS) At _____ Dollars Per U		
606.9347	3.00 U	TEMPORARY BEAM GUARDRAIL (TERM. UNIT TYPE G-2) At _____ Dollars Per U		
606.9523	4.00 U	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3 At _____ Dollars Per U		
606.9632	1.00 U	TEMPORARY BARRIER TO BRIDGE RAIL TRANSITION (STEEL POSTS) At _____ Dollars Per U		
607.140	5,700.00 LF	WOVEN WIRE FENCE, 4'-0" HIGH At _____ Dollars Per LF		
607.350	2,550.00 LF	CHAIN LINK FENCE WITH VINYL COATED STEEL FABRIC, 5' HIGH At _____ Dollars Per LF		
607.4140	30.00 EA	POST ASSEMBLIES FOR WOVEN WIRE FENCE, 4'-0" HIGH At _____ Dollars Per EA		
607.4350	25.00 EA	POST ASSEMBLIES FOR CHAIN LINK FENCE WITH VINYL CTD STL FABRIC, 5' HIGH At _____ Dollars Per EA		

Item#	Quantity	Description	Unit Price	Amount
607.64318	1.00 U	BAR WAY, 18 FT. At _____ Dollars Per U		
608.38	265.00 SY	8" REINFORCED CONCRETE SIDEWALK (F) At _____ Dollars Per SY		
609.214	450.00 LF	STRAIGHT GRANITE SLOPE CURB, 4" HIGH At _____ Dollars Per LF		
609.22	4.00 LF	STRAIGHT GRANITE SLOPE CURB WITH RADIAL JOINTS At _____ Dollars Per LF		
609.5	6,200.00 LF	RESET GRANITE CURB At _____ Dollars Per LF		
609.811	4,150.00 LF	BITUMINOUS CURB, TYPE B (4" REVEAL) At _____ Dollars Per LF		
614.2429	290.00 LF	4" 2-DUCT FIBERGLASS CONDUIT (BRIDGE) At _____ Dollars Per LF		
614.331	35.00 LF	3" STEEL CONDUIT At _____ Dollars Per LF		
614.512	8.00 EA	CONCRETE PULL BOX 18" At _____ Dollars Per EA		
614.523	6.00 EA	MOLDED PULL BOX 17"X30" At _____ Dollars Per EA		
614.73114	2,500.00 LF	3" PVC CONDUIT, SCHEDULE 40 At _____ Dollars Per LF		
614.73118	195.00 LF	3" PVC CONDUIT, SCHEDULE 80 At _____ Dollars Per LF		

Item#	Quantity	Description	Unit Price	Amount
615.0101	333.00 SF	TRAFFIC SIGN TYPE A At _____ Dollars Per SF		
615.01201	88.00 SF	TRAFFIC SIGN TYPE A, BREAKAWAY MOUNTS At _____ Dollars Per SF		
615.013	8.00 U	REMOVING TRAFFIC SIGN TYPE A At _____ Dollars Per U		
615.014	3.00 U	RELOCATING TRAFFIC SIGN TYPE A At _____ Dollars Per U		
615.0201	154.00 SF	TRAFFIC SIGN TYPE B At _____ Dollars Per SF		
615.02201	33.00 SF	TRAFFIC SIGN TYPE B, BREAKAWAY MOUNTS At _____ Dollars Per SF		
615.023	28.00 U	REMOVING TRAFFIC SIGN TYPE B At _____ Dollars Per U		
615.024	2.00 U	RELOCATING TRAFFIC SIGN TYPE B At _____ Dollars Per U		
615.0301	58.00 SF	TRAFFIC SIGN TYPE C At _____ Dollars Per SF		
615.03201	80.00 SF	TRAFFIC SIGN TYPE C, BREAKAWAY MOUNTS At _____ Dollars Per SF		
615.033	21.00 U	REMOVING TRAFFIC SIGN, TYPE C At _____ Dollars Per U		
615.034	6.00 U	RELOCATING TRAFFIC SIGN, TYPE C At _____ Dollars Per U		

Item#	Quantity	Description	Unit Price	Amount
615.0401	1,135.00 SF	TRAFFIC SIGN TYPE AA At _____ Dollars Per SF		
615.0601	24.00 SF	TRAFFIC SIGN TYPE CC At _____ Dollars Per SF		
615.20001	1.00 U	CANTILEVER TRAFFIC SIGN STRUCTURE At _____ Dollars Per U		
615.20002	1.00 U	CANTILEVER TRAFFIC SIGN STRUCTURE At _____ Dollars Per U		
615.20003	1.00 U	CANTILEVER TRAFFIC SIGN STRUCTURE At _____ Dollars Per U		
615.20004	1.00 U	CANTILEVER TRAFFIC SIGN STRUCTURE At _____ Dollars Per U		
615.20005	1.00 U	CANTILEVER TRAFFIC SIGN STRUCTURE At _____ Dollars Per U		
615.20006	1.00 U	CANTILEVER TRAFFIC SIGN STRUCTURE At _____ Dollars Per U		
618.61	800,000.00 $	UNIFORMED OFFICERS WITH VEHICLE At One and 0/100 Dollars Per $	$1 00	$800,000 00
619.1	1.00 U	MAINTENANCE OF TRAFFIC At _____ Dollars Per U		
619.25	5.00 U	PORTABLE CHANGEABLE MESSAGE SIGN At _____ Dollars Per U		
619.279	2.00 U	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN At _____ Dollars Per U		

Item#	Quantity	Description	Unit Price	Amount
619.502	16.00 MON	WORK ZONE ITS OPERATIONAL COSTS (WINTER) At _____ Dollars Per MON		
619.503	30.00 MON	WORK ZONE ITS OPERATIONAL COSTS (SUMMER) At _____ Dollars Per MON		
619.51	190.00 MON	PORTABLE QUEUE TRAILER / SENSOR (PQT) At _____ Dollars Per MON		
619.52	140.00 MON	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) At _____ Dollars Per MON		
619.54	95.00 MON	MOBILE VIDEO TRAILER WITH PAN TILT ZOOM (PTZ) At _____ Dollars Per MON		
619.63	2.00 U	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3 At _____ Dollars Per U		
619.91	24.00 U	RELOCATE WORK ZONE ITS DEVICE At _____ Dollars Per U		
621.1	250.00 EA	RETROREFLECTIVE MEDIAN BARRIER DELINEATOR At _____ Dollars Per EA		
621.2	90.00 EA	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR At _____ Dollars Per EA		
621.3112	157.00 EA	SINGLE LARGE DELINEATOR WITH POST At _____ Dollars Per EA		
622.1	44.00 EA	STEEL WITNESS MARKERS At _____ Dollars Per EA		
622.2	16.00 EA	CONCRETE BOUNDS At _____ Dollars Per EA		

Item#	Quantity	Description	Unit Price	Amount
628.2	4,790.00 LF	SAWED BITUMINOUS PAVEMENT At _____ Dollars Per LF		
631.024	2,000.00 LF	MODULAR GLARE SCREEN At _____ Dollars Per LF		
632.0106	505,000.00 LF	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE At _____ Dollars Per LF		
632.1106	15,000.00 LF	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 6" LINE At _____ Dollars Per LF		
632.3106	6,150.00 LF	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE At _____ Dollars Per LF		
632.3112	2,975.00 LF	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE At _____ Dollars Per LF		
632.3118	60.00 LF	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE At _____ Dollars Per LF		
632.32	170.00 SF	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD At _____ Dollars Per SF		
632.911	211,500.00 LF	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER At _____ Dollars Per LF		
632.912	60.00 LF	OBLITERATE PAVE. MARKING LINE, OVER 12" WIDE At _____ Dollars Per LF		
632.92	170.00 SF	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD At _____ Dollars Per SF		
641.1	630.00 CY	PERMEABLE SOIL At _____ Dollars Per CY		

Item#	Quantity	Description	Unit Price	Amount
643.21	12,900.00 LB	FERTILIZER FOR REFERTILIZATION At _____ Dollars Per LB		
645.0001	2,600.00 LF	TURBIDITY BARRIER At _____ Dollars Per LF		
645.119	11.00 A	MULCH WITH TACKIFIERS At _____ Dollars Per A		
645.3	3,000.00 TON	EROSION STONE At _____ Dollars Per TON		
645.44	27,430.00 SY	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY) At _____ Dollars Per SY		
645.45	8,980.00 SY	PERMANENT CHANNEL MATTING TYPE A At _____ Dollars Per SY		
645.48	90.00 CY	EROSION CONTROL MIX At _____ Dollars Per CY		
645.482	800.00 CY	STUMP GRINDINGS FOR TEMPORARY EROSION CONTROL At _____ Dollars Per CY		
645.512	26,345.00 LF	COMPOST SOCK FOR PERIMETER BERM At _____ Dollars Per LF		
645.531	26,345.00 LF	SILT FENCE At _____ Dollars Per LF		
645.611	100,000.00 LB	BONDED FIBER MATRIX (BFM) At _____ Dollars Per LB		
645.7	1.00 U	STORM WATER POLLUTION PREVENTION PLAN At _____ Dollars Per U		

Item#	Quantity	Description	Unit Price	Amount
645.71	1,200.00 HR	WATER QUALITY MONITORING, INSPECTION AND REPORTING At _____ Dollars Per HR		
645.72	1.00 U	FINAL WETLAND IMPACT REPORT At _____ Dollars Per U		
645.73	1.00 U	STREAM DIVERSION PLAN At _____ Dollars Per U		
645.74	1.00 U	EROSION CONTROL PLAN At _____ Dollars Per U		
645.75	4.00 U	COLD WEATHER STABILIZATION PLAN At _____ Dollars Per U		
646.2	26.00 A	TURF ESTABLISHMENT WITHOUT MULCH At _____ Dollars Per A		
647.1	12,050.00 CY	HUMUS At _____ Dollars Per CY		
658.21	1.00 U	TRANSPLANTATION OF PLANT MATERIAL At _____ Dollars Per U		
670.02	4.00 EA	SEDIMENT SUMP MEASURING BLOCK At _____ Dollars Per EA		
670.04501	1.00 U	CONSTRUCT AND REMOVE DIVERSION At _____ Dollars Per U		
670.04502	1.00 U	CONSTRUCT AND REMOVE DIVERSION At _____ Dollars Per U		
670.04503	1.00 U	CONSTRUCT AND REMOVE DIVERSION At _____ Dollars Per U		

Item#	Quantity	Description	Unit Price	Amount
670.04504	1.00 U	CONSTRUCT AND REMOVE DIVERSION At _____ Dollars Per U		
670.104	4.00 U	TEMPORARY PORTABLE LIGHTING At _____ Dollars Per U		
670.1619	1.00 U	DISCHARGE PERMIT FOR CONTAMINATED WATER At _____ Dollars Per U		
670.563	1.00 U	PREPARATIONS FOR FILLING AND ABANDONING TUNNEL At _____ Dollars Per U		
670.822	1.00 U	GNSS CONSTRUCTION INSPECTION EQUIPMENT At _____ Dollars Per U		
677.3101	1.00 U	WIRELESS COMMUNICATIONS EQUIPMENT At _____ Dollars Per U		
677.3102	1.00 U	WIRELESS COMMUNICATIONS EQUIPMENT At _____ Dollars Per U		
677.3103	1.00 U	WIRELESS COMMUNICATIONS EQUIPMENT At _____ Dollars Per U		
677.41001	1.00 U	CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM FOUNDATION At _____ Dollars Per U		
677.41002	1.00 U	CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM FOUNDATION At _____ Dollars Per U		
677.41003	1.00 U	CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM FOUNDATION At _____ Dollars Per U		
677.4101	1.00 U	CCTV SYSTEM At _____ Dollars Per U		

Item#	Quantity	Description	Unit Price	Amount
677.4102	1.00 U	CCTV SYSTEM At _____ Dollars Per U		
677.4103	1.00 U	CCTV SYSTEM At _____ Dollars Per U		
677.4217	1.00 U	RELOCATE NON-INVASIVE SENSOR EQUIPMENT At _____ Dollars Per U		
677.466	1.00 U	MOTOR VEHICLE DETECTION SYSTEM (MVDS) FOR TRAFFIC STUDY At _____ Dollars Per U		
677.54101	1.00 U	GROUND MOUNTED ITS EQUIPMENT CABINET At _____ Dollars Per U		
677.54201	1.00 U	POLE MOUNTED ITS EQUIPMENT CABINET At _____ Dollars Per U		
677.54202	1.00 U	POLE MOUNTED ITS EQUIPMENT CABINET At _____ Dollars Per U		
677.5822	3.00 EA	1 GBPS FIBER ETHERNET SWITCH At _____ Dollars Per EA		
677.6301	1.00 U	METER AND DISCONNECT PEDESTAL At _____ Dollars Per U		
677.6302	1.00 U	METER AND DISCONNECT PEDESTAL At _____ Dollars Per U		
677.6303	1.00 U	METER AND DISCONNECT PEDESTAL At _____ Dollars Per U		
677.6304	1.00 U	METER AND DISCONNECT PEDESTAL At _____ Dollars Per U		

Item#	Quantity	Description	Unit Price	Amount
677.6305	1.00 U	METER AND DISCONNECT PEDESTAL At _____ Dollars Per U		
677.64	3.00 EA	UNINTERRUPTIBLE POWER SUPPLY (UPS) At _____ Dollars Per EA		
677.9301	2,000.00 LF	3-CONDUCTOR #1 AWG CABLE At _____ Dollars Per LF		
677.9302	300.00 LF	3-CONDUCTOR #2 AWG CABLE At _____ Dollars Per LF		
677.9308	135.00 LF	3-CONDUCTOR #8 AWG CABLE At _____ Dollars Per LF		
678.71	1.00 U	RESET IMPACT ATTENUATION DEVICE At _____ Dollars Per U		
692.	1.00 U	MOBILIZATION At _____ Dollars Per U		
697.11	1.00 U	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN At _____ Dollars Per U		
697.31	1.00 U	PROJECT OPERATIONS PLAN At _____ Dollars Per U		
697.41	1.00 U	CRITICAL PATH METHOD (CPM) ELECTRONIC SCHEDULE At _____ Dollars Per U		
698.11	47.00 MON	FIELD OFFICE TYPE A At _____ Dollars Per MON		
698.2	45.00 MON	PHYSICAL TESTING LABORATORY At _____ Dollars Per MON		

Item#	Quantity	Description	Unit Price	Amount
699.	160,000.00 $	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL At One and 0/100 Dollars Per $	$1 00	$160,000 00
1008.8	25,000.00 $	ALTERATIONS AND ADDITIONS AS NEEDED - WINTER MAINTENANCE At One and 0/100 Dollars Per $	$1 00	$25,000 00
1010.01	50,000.00 $	STEEL COST ADJUSTMENT At One and 0/100 Dollars Per $	$1 00	$50,000 00
1010.15	250,000.00 $	FUEL ADJUSTMENT At One and 0/100 Dollars Per $	$1 00	$250,000 00
1010.2	100,000.00 $	ASPHALT CEMENT ADJUSTMENT At One and 0/100 Dollars Per $	$1 00	$100,000 00
1010.3	211,958.00 $	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT At One and 0/100 Dollars Per $	$1 00	$211,958 00
1010.41	60,000.00 $	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE At One and 0/100 Dollars Per $	$1 00	$60,000 00
		Grand Total:		

The State of New Hampshire
Department of Environmental Services

Robert R. Scott, Commissioner

March 19, 2024

NH DEPT OF TRANSPORTATION
ANDREW O'SULLIVAN
PO BOX 483
CONCORD NH 033020483

Re: Approved Standard Dredge and Fill Wetlands Permit Application – Required Payment to Aquatic Resource Mitigation Fund (RSA 482-A)
NHDES File Number: 2023-03176
Subject Property: F E Everett Turnpike, Nashua, Tax Map #ROW, Lot #ROW

Dear Applicant:

On March 19, 2024, the New Hampshire Department of Environmental Services (NHDES) Wetlands Bureau approved the above-referenced Standard Dredge and Fill Wetlands Permit Application to Dredge and fill a total of 67,626 square feet (SF) of palustrine wetlands, lacustrine surface waters, and banks (Pennichuck Brook/Bower's Pond) for NHDOT Project 13761A to widen the roadway from two to three lanes in each direction with the addition of a northbound and southbound travel lane. Wetland impacts are associated with the roadway widening, and bridge replacement along the F.E. Everett Turnpike in Nashua-Merrimack, New Hampshire. The project begins just north of the Tinker Road overpass at Exit 8 in Nashua, and continues north for approximately 2.2 miles, ending approximately 400' north of the Industrial Drive overpass at Exit 10 in Merrimack. There are 39,246 SF of permanent impacts and 28,380 SF of temporary impacts for the project. Compensatory mitigation includes a total payment of $177,057.95 dollars into the Aquatic Resource Mitigation Fund ("ARM").

This approval is contingent on the following conditions being met:

1. In accordance with Env-Wt 307.16, all work shall be done in accordance with the Wetlands Impact Plans for State of New Hampshire Department of Transportation, NH Project No. 13761A, F.E Everett Turnpike Corridor Widening Project Wetland Impact Plans dated November 10, 2023, and with Miscellaneous Details and Site Plan and Profile as received by NHDES on February 22, 2024.
2. Work shall be performed in accordance with the Nashua-Merrimack-Bedford, 13761A; F.E. Everett Turnpike Widening Project: Southern Segment; Turbidity Mixing Zone Designation-Approval with Conditions dated February 9, 2024.
3. The permit is contingent on submittal of a check in the amount of $177,057.95 to the Aquatic Resource Mitigation Fund by the applicant as calculated per Env-Wt 803.07 and RSA 482-A:30 for the amendment impacts.
4. In accordance with Env-Wt 803.08(c), as this project requires a federal permit from the US Army Corps of Engineers (US ACE) under section 404 of the Clean Water Act, the applicant shall consult with the US ACE relative to whether additional mitigation will be required in order to satisfy federal mitigation requirements.
5. In accordance with Env-Wt 314.03, (a) The permittee shall notify the department Wetlands program in writing at least one week prior to commencing any work under the permit.
6. The permit shall be contingent on review and approval by NHDES of final stream diversion plans that detail the timing and method of stream flow diversion during construction and show temporary siltation, turbidity control and perimeter control measures to be implemented.

7. All development activities associated with this project shall be conducted in compliance with applicable requirements of RSA 483-B and N.H. Code Admin. Rules Env-Wq 1400- Shoreland Protection during and after construction.
8. Management of impacted areas of rare, threatened, or endangered plant species shall be in accordance with Natural Heritage Bureau (NHB) consultation recommendations for transplanting of the impacted population to a new location between Populations 1 and 2. A transplanting protocol will be prepared based on NHB's recommendations for transplanting protocol to be included in the construction contract.
9. All manufactured erosion and sediment control products, with the exception of turf reinforcement mats, utilized for, but not limited to, slope protection, runoff diversion, slope interruption, perimeter control, inlet protection, check dams, and sediment traps shall not contain plastic, or multifilament or monofilament polypropylene netting or mesh with an opening size of greater than 1/8 inches.
10. All observations of threatened or endangered species on the project site shall be reported to the NHFG nongame and endangered wildlife environmental review program by phone at 603-271-2461 and by email at NHFGreview@wildlife.nh.gov, with the email subject line containing the NHB DataCheck tool results letter assigned number, the project name, and the term Wildlife Species Observation.
11. Photographs of the observed species and nearby elements of habitat or areas of land disturbance shall be provided to NHFG in digital format at the above email address for verification, as feasible.
12. In the event a threatened or endangered species is observed on the project site during the term of the permit, the species shall not be disturbed, handled, or harmed in any way prior to consultation with NHFG and implementation of corrective actions recommended by NHFG.
13. Site operators shall be allowed to relocate wildlife encountered if discovered within the active work zone if in direct harm from project activities. Wildlife shall be relocated in close proximity to the capture location but outside of the work zone and in the direction the individual was heading. NHFG shall be contacted immediately if this action occurs.
14. NH Fish and Game, including its employees and authorized agents, shall have access to the property during the term of the permit. The NHDOT's Contract Administrator or Environmental Coordinator for the project shall be contacted in advance to coordinate safe access to the site. In case of the need for emergency site access, contact Kevin Nyhan at 603-271-3226.
15. The Pennichuck brook crossing is not identified by the NHFG Nongame and Endangered Species program as a hotspot for road mortalities for rare wildlife. However, the crossing may be a more important element for more common wildlife species, as animals tend to use river edges as travel corridors throughout the landscape.
16. Invasive plant species management shall be performed to ensure the project conforms to Env-Wt 307.05 and the NHDOT "Best Management Practices for the Control of Invasive and Noxious Plant Species".
17. In accordance with Env-Wt 307.03(c)(4), water quality control measures shall be capable of minimizing erosion; collecting sediment and suspended and floating materials; and filtering fine sediment.
18. In accordance with Env-Wt 307.03(c)(5), water quality control measures shall be maintained so as to ensure continued effectiveness in minimizing erosion and retaining sediment on-site during and after construction.
19. In accordance with Env-Wt 307.03(c)(6), water quality control measures shall remain in place until all disturbed surfaces are stabilized to a condition in which soils on the site will not experience accelerated or unnatural erosion by achieving and maintaining a minimum of 85% vegetative cover using an erosion control seed mix, whether applied in a blanket or otherwise, that is certified by its manufacturer as not containing any invasive species; or placing and maintaining a minimum of 3 inches of non-erosive material such as stone.
20. In accordance with Env-Wt 307.03(d), any sediment collected by water quality control measures shall be removed with sufficient frequency to prevent the discharge of sediment; and placed in an upland location in a manner that prevents its erosion into a surface water or wetland.
21. In accordance with Env-Wt 307.03(c)(7), temporary water quality control methods shall be removed upon completion of work when compliance with Env-Wt 307.03(c)(6) is achieved.
22. In accordance with Env-Wt 307.03(h), equipment shall be staged and refueled outside of jurisdictional areas and in accordance with Env-Wt 307.15.

23. In accordance with Env-Wt 307.12(i), wetland areas where permanent impacts are not authorized shall be restored to their pre-impact conditions and elevation by replacing the removed soil and vegetation in their pre-construction conditions as close as practicable to pre-construction conditions.
24. In accordance with Env-Wt 307.12(f), if any temporary impact area that is stabilized with seeding or plantings does not have at least 75% successful establishment of wetlands vegetation after 2 growing seasons, the area shall be replanted or reseeded, as applicable.
25. In accordance with Env-Wt 307.12(a), within 3 days of final grading or temporary suspension of work in an area that is in or adjacent to surface waters, all exposed soil areas shall be stabilized by seeding and mulching, if during the growing season; or mulching with tackifiers on slopes less than 3:1 or netting and pinning on slopes steeper than 3:1 if not within the growing season.
26. In accordance with Env-Wt 307.12(f), if any temporary impact area that is stabilized with seeding or plantings does not have at least 75% successful establishment of wetlands vegetation after 2 growing seasons, the area shall be replanted or reseeded, as applicable.
27. In accordance with Env-Wt 307.03(g)(1), the person in charge of construction equipment shall inspect such equipment for leaking fuel, oil, and hydraulic fluid each day prior to entering surface waters or wetlands or operating in an area where such fluids could reach groundwater, surface waters, or wetlands.
28. In accordance with Env-Wt 307.03(g)(2), the person in charge of construction equipment shall repair any leaks prior to using the equipment in an area where such fluids could reach groundwater, surface waters, or wetlands.
29. In accordance with Env-Wt 307.03(g)(3) and (4), the person in charge of construction equipment shall maintain oil spill kits and diesel fuel spill kits, as applicable to the type(s) and amount(s) of oil and diesel fuel used, on site so as to be readily accessible at all times during construction; and train each equipment operator in the use of the spill kits.
30. In accordance with Env-Wt 307.03(e), all exposed soils and other fills shall be permanently stabilized within 3 days following final grading.
31. In accordance with Env-Wt 514.05(h), within 60 days of completion of construction, the applicant shall submit a post-construction report that has been prepared by a professional engineer, certified wetland scientist, or qualified professional which describes the monitoring conducted and date(s) of inspections, and includes photos showing the extent of jurisdictional impacts, areas of restoration, and progress of any plantings in accordance with Env-Wt 307.18(c).

This approval is based on the following findings:

1. This is a Major Project per New Hampshire Administrative Rule Env-Wt 407.03, Table 407-1 having more than 10,000 square feet of impacts to jurisdictional area. The proposed NHDOT 13761A project is part of the larger Nashua-Merrimack-Bedford, 13761 project that involves widening three (3) segments of the existing two-lane portions of the F.E. Everett Turnpike in Nashua, Merrimack, and Bedford, New Hampshire.
2. The purpose of the project is to provide improved mobility, congestion relief, and improved safety along the F.E. Everett Turnpike project corridor.
3. The proposed NHDOT 13761A project is part of the larger 13761 project that involves widening three (3) segments of the existing two-lane portions of the F.E. Everett Turnpike in Nashua, Merrimack, and Bedford, New Hampshire. The 13761 project has been divided into five (5) separate contracts. Based on prior discussions and agreements with NHDES and the U.S. Army Corps of Engineers (Corps), each contract will be permitted separately, and cumulative impacts will be tracked for the entire project. The 13761A contract includes the southernmost segment located in Nashua and Merrimack, New Hampshire. The project begins just north of the Tinker Road overpass at Exit 8 in Nashua, and continues north for approximately 2.2 miles, ending approximately 400' north of the Industrial Drive overpass at Exit 10 in Merrimack. The 13761A project proposes to widen the roadway from two to three lanes in each direction with the addition of a northbound and southbound travel lane. The project also includes stormwater and drainage improvements that will meet MS4 and AOT requirements to the extent practicable. The existing bridges over Pennichuck Brook will be replaced.

4. The proposed project will require 39,246 SF of permanent impacts and 28,380 SF of temporary impacts to palustrine wetlands, lacustrine surface waters, and banks associated with the roadway widening, required grading, and bridge replacements.
5. The project also includes stormwater and drainage improvements to meet MS4 and AOT requirements. A total of four stormwater treatment BMPs are proposed that are anticipated to treat approximately 14.8 acres of pavement area. The proposed highway improvements will result in a 3.35 acre increase in impervious surface associated with the addition travel lanes.
6. The hydraulic capacity of the existing bridge will be maintained. Hydraulic model results indicate that the proposed effective hydraulic 97-foot span bridge would result in no noticeable change in flood elevations in the Pennichuck Brook upstream (west) of the crossing compared to existing conditions. The proposed structure has been designed to provide a minimum 1 foot of freeboard during the 1% AEP storm event at the lowest elevation of the bridge low chord. The proposed structure crosses Pennichuck Brook with no proposed impacts to the 1% AEP floodplain.
7. The NH Natural Heritage (NHB23-0523) database has been checked which identified multiple species within the flagged project area. The New Hampshire Fish & Game (NHFG) project recommendations have been included as permit conditions. The applicant has completed surveys for rare plants and has provided documentation of coordination with NH NHB. Consultation with the NHB resulted in the recommendation of transplanting the impacted population on the west side of the turnpike in between Populations 1 and 2 on the east side of the turnpike. A transplanting protocol will be prepared based on NHB's recommendations, which will be included in the construction contract.
8. The proposed project will impact Priority Resource Areas (PRA) including floodplain wetlands contiguous to a tier 3 or higher watercourse, and City of Nashua-Pennichuck Brook designated prime wetland. The following functions and values have been designated for Pennichuck Brook: groundwater recharge, groundwater discharge, floodflow alteration, sediment/toxicant retention, nutrient removal, wildlife diversity, and uniqueness/heritage. the proposed project will not result in a net loss of the functions and values of Pennichuck Brook and will not significantly alter the functions and values that were identified as part of its Prime Wetland designation. Proposed impacts to Pennichuck Brook are associated with existing infrastructure that was in place at the time of the 1990 functional assessment. Wetland impacts are limited to the edges of existing wetlands. Larger wetland complexes that provide groundwater recharge/discharge, sediment/toxicant retention, and nutrient removal/retention functions will continue to provide these functions.
9. During the initial phase of the environmental project review and design between 2016-2018 there were a total of eight meetings performed for outreach to municipalities and public comments for the project. Four Public Officials Meetings, three Public Information Meetings, and a Public Hearing was performed for the project. There were no comments related to project wetland impacts noted per meeting minutes. Letters were sent to City officials identifying the initiation of the project and requesting input regarding any natural resource concerns including concerns related to prime wetlands. The City of Nashua did not respond with any concerns related to prime wetland impacts or the functions and values of Pennichuck Brook.
10. The permit is contingent on submittal of a check in the amount of $177,057.95 to the Aquatic Resource Mitigation Fund by the applicant as calculated per Env-Wt 803.07 and RSA 482-A:30 for the project impacts. Mitigation for the Prime Wetland impacts will be based on the 16,665 SF of lacustrine surface water impacts. The NHDES Aquatic Resource Mitigation (ARM) Fund Payment Calculator was used to determine an in-lieu fee payment in the amount of $15,289.98 for the proposed palustrine wetlands/PRA impacts.

This NHDES approval is contingent on receipt and clearance of a one-time ILF mitigation payment of **$177,057.95** to the ARM Fund as compensatory mitigation for the NHDES Wetlands Permit pursuant to RSA 482-A:28 through A:31 and Env-Wt Chapter 800. USACE and its regulatory partners, including the U.S. Environmental Protection Agency, will review your project and verify the total number of Wetlands and/or Stream credits that must be purchased from the ARM Fund, as federal mitigation pursuant to the NHPG and USACE New England District Compensatory Mitigation Standard Operating Procedures (12/29/2020). In many cases, the ILF payment for the NHDES Wetlands Permit will include all or a portion of the cost of purchasing credits as deemed necessary to satisfy federal obligations. For questions regarding federal

mitigation requirements, please contact USACE at (978) 318-8832, (978) 318-8295, or by email at cenae-r-nh@usace.army.mil.

Payment Timeline: NHDES recommends delaying the ILF payment until after the NHDES appeal period and following written authorization from USACE describing federal mitigation requirements. Upon receipt of written authorization from the USACE, NHDES recommends you contact the ARM Fund at des.arm@des.nh.gov to confirm the total required ILF payment amount to satisfy federal mitigation requirements. Following payment and prior to work, it is the permittee's responsibility to verify that the payment has cleared, by downloading the payment receipt letter from Onestop. The letter will indicate the processed payment amount, the impacts authorized through the payment, and the number of federal credits purchased by the payment, as applicable.

Payment Instructions: Mitigation payments must be payable to "Treasurer - State of NH" and must reference "ARM Fund", NHDES File Number (2023-03176) and USACE File Number (NAE-XXXX-XXXXX). Payments can be mailed to NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095.

In accordance with RSA 482-A:10, RSA 21-O:14, and Rules Env-WtC 100-200, **any person aggrieved by this decision may file a Notice of Appeal directly with the NH Wetlands Council (Council) within 30 days of the decision date, March 28, 2024**. Every ground claiming the decision is unlawful or unreasonable must be fully set forth in the Notice of Appeal. Only the grounds set forth in the Notice of Appeal are considered by the Council. Information about the Council, including Council Rules, is available at https://nhec.nh.gov/wetlands/index.htm. For appeal related issues, contact the Council Appeals Clerk at 603-271-2464.

If you have any questions, please contact me directly at Karl.Benedict@des.nh.gov or (603) 271-4194.

Sincerely,

Karl D. Benedict
Public Works Supervisor, Wetlands Bureau
Land Resources Management, Water Division

cc: Property Owner
Agent
Municipal Clerk/Conservation Commission
ec: Property Owner

NASHUA-MERRIMACK-BEDFORD
13761A

March 20, 2024

S P E C I A L P R O V I S I O N

AMENDMENT TO SECTION 645 -- EROSION CONTROL

Item 645.73 –Stream Diversion Plan

This special provision provides for the Stream Diversion Plan and neither amends nor modifies the provisions of this section except as noted below.

Add to Construction Requirements:

3.10 Stream Diversion Plan.

3.10.1 This item addresses the preparation of the Stream Diversion Plan (SDP) outlined at Env-Wt 527.05 when required as a condition in the NH Wetland Bureau Dredge and Fill Permit(s). The SDP shall be prepared, stamped, and signed by a Licensed Professional Engineer registered in the State of New Hampshire, and a Certified Professional Erosion and Sediment Control Specialist (CPESC) certified by Envirocert International, Inc., qualified to prepare stream diversion plans, hereinafter called the "Preparer". Collaboration with other professionals such as soil scientists, geologists and environmentalists may be required as appropriate.

3.10.1.1 Qualifications for the SDP Preparer shall include a minimum of 5 years' experience or knowledge of highway and bridge construction operations and methods of construction, and demonstrated knowledge of erosion and sediment control, and stormwater management measures. The SDP Preparer shall have previously submitted accepted plans to the New Hampshire Department of Environmental Services (NHDES) under RSA 485-A:17 - Alteration of Terrain, and RSA 482-A - Fill and Dredge in Wetlands.

3.10.1.2 The SDP Monitor shall be a "Qualified Person," as specified in the Special Provision for Item 645.71.

3.10.1.3 The Contractor shall submit the name and qualifications of the person or firm proposed to prepare the SDP to the Engineer for documentation prior to preparing the SDP.

3.10.2 The SDP shall be prepared in accordance with Env-Wq 1504.06, Env-Wq 1504.16, Env-Wq 1505.02, and Env-Wq 1506. Any amendments to the SDP required by site conditions, schedule changes, revised work, construction methodologies, will require acceptance by the Engineer. The Preparer is responsible for preparation of the SDP, and all amendments, inspections, and reports necessary to comply with the Env-Wq rules outlined above.

3.10.2.1 Department plan drawings will show the construction site(s) conditions prior to and after construction by including property lines, right-of-way lines, easements, existing and new structures, drainage, flood plains, wetlands, limits of clearing and grading, proposed final drainage, detours, permanent erosion and sediment control measures, and other critical items.

The Contractor's SDP drawings shall show temporary drainage and erosion and sediment control measures for the stream diversion(s) on the Contract plans provided by the Department.

3.10.2.2 Additional design typical details for erosion and sediment control not shown on the Department plans shall be included in the SDP. Calculations shall be submitted for documentation to verify all erosion and sediment control and stormwater management practices such as, but not limited to, sediment retention and detention basins, energy dissipaters, diversions, waterways, and control of runoff.

3.10.3 The SDP Preparer shall assist the Contractor in implementing the SDP and recommending modifications to the SDP, as necessary. The SDP Preparer shall make modifications to the SDP as necessary and resubmit for review and acceptance in accordance with 3.1.1 and 105.02.

3.10.3.1 Monitoring erosion and sediment controls as specified in the SDP shall include on-site reviews, weekly (at least once every 7 days) and within 24 hours after any storm event greater than 0.5" of rain per 24-hour period and producing meeting minutes of the weekly meetings for distribution as required. An SDP Monitoring Report prepared by the SDP Monitor shall include the following:

- inspection date
- name, title, and qualifications and signature of person performing the inspection
- a description of project progress, including verification of permit compliance
- if any permit requirements are not being met, an explanation of the corrective action(s) with applicable requirements and the deadline by which such actions will be completed
- representative photographs of the site that are representative of the project

3.10.3.2 The SDP Monitor shall report any deficiencies or non-compliance issues to the Contractor and Engineer prior to exiting the site. Within 24 hours of completing the on-site review, the SDP Monitor shall provide a formal electronic copy of the SDP Monitoring Report to the Contractor for transmittal to the Engineer. The Contractor shall maintain these reports on site.

3.10.3.3 The Preparer of the SDP shall be available for on-site consultations with the Engineer within 24 hours of request.

3.10.4 Project work may be suspended, wholly or in part, for failure to implement and maintain the accepted SDP, in accordance with 105.01.

Add to Method of Measurement:

4.10 The SDP will be measured as a unit. A unit will include preparation, submittals, modifications, and resubmittals.

Add to Basis of Payment:

5.11 The SDP will be paid for at the Contract lump sum price upon acceptance.

5.11.1 Modifications and resubmittals of the SDP will be subsidiary.

5.11.2 Erosion and sediment control and stormwater management items necessary to implement and maintain the SDP for the construction site(s) will be paid for under the appropriate erosion control bid item(s) or as provided under Section 699, as approved by the Engineer.

5.12 Monitoring of the SDP and the SDP Monitoring Report will be paid under Item 645.71.

Add to Pay items and units:

645.73	Stream Diversion Plan	Unit

GUARDRAIL

ITEM NO.	ITEM NO.	202.7	202.74	203.5561	203.5562	520.421	606.1254	606.1471	606.18001	606.18011	606.41251	606.413	606.4135	606.4139	606.4229	606.4239	621.1	621.2	678.71	
ITEM NO.	ITEM	REMOVAL OF GUARDRAIL	REMOVAL OF CONCRETE BARRIER	EAGRT PLATFORM PREFERRED	EAGRT PLATFORM ALTERNATE	CONCRETE CLASS F, FLOWABLE FILL, EXCAVATABLE	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (MASH MID-SPLICE)	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (8' STEEL POST)	54" TO 45" TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	SINGLE SLOPE CONCRETE MEDIAN BARRIER, PRECAST	54" SINGLE SLOPE CONCRETE BARRIER, PRECAST	SINGLE SLOPE CONCRETE MEDIAN BARRIER (MODIFIED), PRECAST	MODIFIED CONCRETE MEDIAN BARRIER, CAST-IN-PLACE	MODIFIED CONCRETE MEDIAN BARRIER (CAST-IN-PLACE)	RETROREFLECTIVE MEDIAN BARRIER DELINEATOR	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	RESET IMPACT ATTENUATION DEVICE	REMARK
UNIT	UNIT	LF	LF	U	U	CY	U	U	LF	LF	U	LF	LF	LF	LF	LF	EA	EA	U	
REF. NO.	LOCATION																			
	FE EVERETT MAINLINE																			
1	NB STA. 766+87 to 815+44 (MEDIAN BARRIER)											4857.0			7.0		106.0			
2	NB STA. 766+80.0, RT 0.0' - STA. 790+23.5, RT 1.7'		2344.0																	
3	SB STA. 773+55.8, LT 65.6' - STA. 775+29.4, LT 60.8'	133.7																		
4	SB STA. 773+56.8 to 776+59.3, LT			1			1		200.0									4		
5	NB STA. 785+54.6 to 786+17.1, RT			1			1	1	550.0	137.5								9		
6	NB STA. 786+67.5, RT 51.5' - STA. 792+32.8, RT 45.5'	565.4																		
7	SB STA. 799+69.0 TO 800+31.5, LT			1			1	1	1025.0									12		
8	SB STA. 789+88.8, LT 45.5' - STA. 795+16.0, LT 45.2'	527.3																		
9	NB STA. 790+12.2, RT 0.4' - STA. 815+91.2, LT 12.2'	2579.4																		
10	NB STA. 797+54.5 to 798+57.0, RT			1			1	1	187.5									4		
11	NB STA. 810+58.1, RT 43.3' - STA. 815+91.2, RT 20.4'	493.4																		
12	NB STA. 811+04.6 to 811+67.1, RT				1		1		375.0									6		
13	SB STA. 812+62.9 to 812+95.4, LT							1	237.5									4		
14	SB STA. 812+96.6, LT 58.5' - STA. 815+91.5, LT 59.7'	295.0																		
15	SB STA. 824+57.7 to 825+20.2, LT			1			1		725.0									9		
16	SB STA. 816+80.5, LT 59.3' - STA. 822+46.6, LT 50.1'	570.5																		
17	(STA. 817+27.0 to 880+47.0 (MEDIAN BARRIER))					56.3					2.0	4153.0	200.0	940.0	7.0	1040.0	136.0			
18	SB STA. 816+80.6, LT 26.5' - STA. 836+13.6, RT 7.0'	1933.6																		
19	NB STA. 821+54.6 to 821+67.1, RT							1	425.0									6		
20	NB STA. 816+80.3, RT 21.0' - STA. 819+50.9, RT 34.4'	270.5																		
21	SB STA. 835+84.1, LT 0.8' - STA. 876+03.5, RT 0.7'		4020.3																	
22	NB STA. 846+17.3 to 846+79.8, RT			1			1	1	150.0									4		
23	NB STA. 866+74.8 to 867+37.3, RT			1			1	1	187.5									4		
24	SB STA. 867+38.6, LT 59.0' - STA. 872+00.0, LT 59.1'	461.4																	1	
29	NB STA. 877+40.3, RT 0.6' - STA. 880+46.7, RT 0.5'		306.4																	
	EXIT 10 NORTHBOUND OFF-RAMP																			
25	STA. 52+25.0 to 52+87.5, RT			1			1		662.5									17		
26	STA. 52+47.2, RT 12.8' - STA. 59+50.0, RT 8.8'	708.0																		
27	STA. 53+12.6, LT 64.4' - STA. 59+14.69, LT 43.6'	576.8																		
28	STA. 53+77.5 to 54+40.0, LT			1			1	1	462.5									9		
BRIDGE												100.0		85.0						
	SUBTRACT GUARDRAIL TO BE RESET (ITEM 606.91)																			
	SUBTOTAL	**9115.0**	**6670.7**	**9**	**1**	**56.3**	**10**	**8**	**5187.5**	**137.5**	**2**	**9110.0**	**200.0**	**1025.0**	**14.0**	**1040.0**	**242.0**	**88**	**1**	
	ROUNDING	185.0	29.3	0	0	3.7	0	0	12.5	12.5	0.0	90.0	100	10.0	1.0	60.0	8.0	2	0	
	TOTAL	**9300**	**6700**	**9**	**1**	**60**	**10**	**8**	**5200**	**150**	**2**	**9200**	**210**	**1035**	**15**	**1100**	**250**	**90**	**1**	

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	DATE
#1		03/20/2024

STATION: STA. 839+20.0 — MEDIAN BARRIER STATION LOCATION

STATION: STA. 817+00.0

		DATE
SDR PROCESSED	NHDOT	7/2021
NEW DESIGN	VHB TEAM	3/20/2024
SHEET CHECKED	C. GREGORY/B. MARTIN	3/20/2024
AS BUILT DETAILS		DATE

STATE OF NEW HAMPSHIRE
NASHUA & MERRIMACK
DEPARTMENT OF TRANSPORTATION ○ BUREAU OF HIGHWAY DESIGN

QUANTITY SUMMARY
3 OF 20

DATE PLOTTED	VHB PROJECT NO.	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
3/20/2024	52775.00	13761A_QTY_03	13761A	19A	557

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION
#1	03/20/2024		UPDATED ITEM 645.75, ADDED ITEM 645.73

TEMPORARY EROSION CONTROL

ITEM NO.	645.119	645.3	645.482	645.512	645.531	645.611	645.7	645.71	645.72	645.73	645.74	645.75
ITEM	MULCH WITH TACKIFIERS	EROSION STONE	STUMP GRINDINGS FOR TEMPORARY EROSION CONTROL	COMPOST SOCK FOR PERIMETER BERM	SILT FENCE	BONDED FIBER MATRIX (BFM)	STORM WATER POLLUTION PREVENTION PLAN	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	FINAL WETLAND IMPACT REPORT	STREAM DIVERSION PLAN	EROSION CONTROL PLAN	COLD WEATHER STABILIZATION PLAN
UNIT	A	TON	CY	LF	LF	LB	U	HR	U	U	U	U
MAINLINE		3000.0	720	18836.0	18836.0							
2:1 OR STEEPER SLOPES	3.6					12610.5						
FLATTER THAN 2:1 SLOPES	3.9					21902.9						
RAMPS			80	6741.4	6741.4							
2:1 OR STEEPER SLOPES	0.2					811.4						
FLATTER THAN 2:1 SLOPES	1.6					8933.5						
BMPs												
2:1 OR STEEPER SLOPES	0.6					2095.8						
FLATTER THAN 2:1 SLOPES	0.7					4017.1						
Additional Assumed Amt						48000.0						
							1.0	1088.0	1.0	1.0	1.0	4.0
SUBTOTAL	**10.7**	**3000.0**	**800.0**	**25577.4**	**25577.4**	**98371.2**	**1.0**	**1088.0**	**1.0**	**1.0**	**1.0**	**4.0**
ROUNDING	0.3	0.0		767.6	767.6	1628.8		112.0				
TOTAL	**11**	**3000**	**800**	**26345**	**26345**	**100000**	**1**	**1200**	**1**	**1**	**1**	**4**

LANDSCAPING AND SLOPE PROTECTION

ITEM NO.	585.2	585.23	585.4	585.7	593.121	593.211	593.411	593.421	641.10	643.21	645.44	645.45	645.48	646.2	647.1
ITEM	STONE FILL, CLASS B	STONE FILL, CLASS B (MODIFIED)	STONE FILL, CLASS D	STONE FILL, CLASS G	GEOTEXTILE; SUBSUR DRAIN CL.2, NON-WOVEN	GEOTEXTILE; SEPARATION CL.1, NON-WOVEN	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	GEOTEXTILE; PERM CONTROL CL.2, NON-WOVEN	PERMEABLE SOIL	FERTILIZER FOR REFERTILIZATION	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	PERMANENT CHANNEL MATTING TYPE A	EROSION CONTROL MIX	TURF ESTABLISHMENT WITHOUT MULCH	HUMUS
UNIT	CY	CY	CY	CY	SY	SY	SY	SY	CY	LB	SY	SY	CY	A	CY
MAINLINE	885.1	3,141.5	304.0	6.6	12.1	2660.8	514.2	356.6		6,480	21,798	8,111		18.0	8,461.2
EXIT 10 RAMPS										3,285	1,403	663		3.8	1,812.6
BMP							896.2		620.0	2,554	3,623		83	3.2	1,496.1
FROM DRAINAGE SUMMARY								50.9							
FROM BRIDGE SUMMARY	346.0	1,885.0	80.0			180.0	895.0								
SUBTOTAL	**1,231.1**	**5,026.5**	**384.0**	**6.6**	**12.1**	**2840.8**	**2305.4**	**407.5**	**620.0**	**12,319**	**26,824**	**8,774**	**83**	**25.0**	**11,769.9**
ROUNDING	14.9	58.5	6.0	3.4	7.9	69.2	39.6	12.5	10.0	581	606	206	7	1.0	280.1
TOTAL	**1,246**	**5085**	**390**	**10**	**20**	**2910**	**2345**	**420**	**630**	**12,900**	**27,430**	**8,980**	**90**	**26**	**12,050**

TRAFFIC CONTROL

ITEM NO.					203.1	203.112	203.6	304.499	417.	585.2	585.3	593.411	646.2	647.1
ITEM DESCRIPTION					COMMON EXCAVATION	COMMON EXCAVATION - LRS/PFAS	EMBANKMENT-IN-PLACE (F)	TEMPORARY CRUSHED STONE (FINE GRADATION)	COLD PLANING BITUMINOUS SURFACES	STONE FILL, CLASS B	STONE FILL, CLASS C	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	TURF ESTABLISHMENT WITHOUT MULCH	HUMUS
ITEM NO.	ITEM DESCRIPTION	LOCATION	PHASE	UNIT	CY	CY	CY	CY	SY	CY	CY	SY	A	CY
670.04501	CONSTRUCT AND REMOVE DIVERSION		1	1	0	4,229	851	3,378	0	0	0	0	0	0
670.04502	CONSTRUCT AND REMOVE DIVERSION		2	1	0	10,755	2,136	2,768	146	1,748	270	753	5	2,000
670.04503	CONSTRUCT AND REMOVE DIVERSION		3	1	0	1,142	999	0	0	0	0	0	0	0
670.04504	CONSTRUCT AND REMOVE DIVERSION		4	1	0	133	0	133	2	0	0	0	0	0
				SUBTOTAL	**0**	**16,259**	**3,986**	**6,279**	**148**	**1,748**	**270**	**753**	**5**	**2,000**
				TOTAL	*	*	*	*	*	*	*	*	*	*

* QUANTITIES IN THESE COLUMNS ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT INCLUDED IN SPECIFIC ITEM TOTALS
** NOT AN ITEM TOTAL, SEE OTHER SUMMARY SHEETS

		DATE
SDR PROCESSED	NHDOT	7/2021
NEW DESIGN	VHB TEAM	3/20/2024
SHEET CHECKED	C. GREGORY/B. MARTIN	3/20/2024
AS BUILT DETAILS		DATE

STATE OF NEW HAMPSHIRE
NASHUA & MERRIMACK
DEPARTMENT OF TRANSPORTATION ○ BUREAU OF HIGHWAY DESIGN

QUANTITY SUMMARY 5 OF 20

DATE PLOTTED	VHB PROJECT NO.	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
3/20/2024	52775.00	13761A_QTY_05	13761A	21A	557