



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



27 Blank

VICTORIA F. SHEEHAN
COMMISSIONER

WILLIAM CASS, P.E.
ASSISTANT COMMISSIONER

Bureau of Construction
October 20, 2015

Her Excellency, Governor Margaret Wood Hassan
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

1. Authorize the Department of Transportation to enter into a contract with Pike Industries, Inc. (Vendor 177300) of Belmont, NH on the basis of a low bid of \$4,384,362.25 for pavement rehabilitation of I-93 and bridge rehabilitation work associated with the bridge in the southbound on-ramp over the NHRR from US Route 4 to Interstate 93 in Concord and Canterbury, from the date of Governor and Council approval through August 26, 2016 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funds to support this request are anticipated to be available in the following accounts in State FY 2016 and FY 2017 upon the availability and continued appropriation of funds in the future operating budget:

Table with 3 columns: Funding is available as follows, FY 2016, FY 2017. Rows include account numbers and amounts for Consolidated Federal Aid and Highway Contract Payments.

2. Further authorize that a contingency in the amount of \$219,218.12 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 5% of the contract amount.

Table with 3 columns: Funding is available as follows, FY 2016, FY 2017. Rows include account numbers and amounts for Consolidated Federal Aid and Highway Contract Payments.

EXPLANATION

This project is part of the annual Interstate Pavement Preservation Program. This project was originally identified to be performed as part of the 2014 IPPP but was delayed due to funding limitations. Based on a 2014 report, the pavement is in fair condition although exhibiting some thermal transverse cracks that have reflected through the overlay performed in 2006. The purpose of this project is to preserve and extend the life of the existing pavement and increase the pavement structure from 6 inches to 7-1/2 inches, replace deteriorating drainage structures, and rehabilitate guardrail to meet current safety standards.

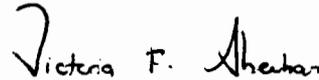
The contingency amount is proposed to be 5% of the contract amount. Although this is technically a one season project, it spans the winter prior to the construction season, with fixed limits, being constructed during a time of fluctuating fuel prices. Adjusting limits to offset quantity overruns is not practical and potential fuel and asphalt adjustments need to be considered.

The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General as to form and execution, and the Department has certified that the necessary funds are available and that the bid reasonably conforms to the engineer's estimate in accordance with State procedure. Copies of the fully executed contract are on file at the Secretary of State's Office and the Department of Administrative Service's Office, and subsequent to Governor and Council approval will be on file at the Department of Transportation.

This project funding is 90% federal funds with 10% state match. Turnpike toll credit is being utilized for match requirements, effectively using 100% federal funds.

A copy of the Tabulation of Bids received for this project is attached along with the Contract Supplemental Sheet and a map indicating the location of the project.

Sincerely,



Victoria F. Sheehan  
Commissioner

VFS/md

Department Estimate: \$4,813,242.25  
Contract Amount: \$4,384,362.25  
Under Estimate: \$ 428,880.00

Attachments

August 13, 2015

## SUPPLEMENTAL PROJECT INFORMATION SHEET

**DESCRIPTION:** The project consists of pavement rehabilitation of I-93 and bridge rehabilitation work associated with Bridge No. 042/121 on the southbound on-ramp over the NHRR from US Route 4 to Interstate 93. On mainline Interstate 93, the work begins at a pavement joint located south of Exit 17, near mile marker 44.0 in Concord, and proceeds north approximately 4.4 miles to a pavement joint located north of Exit 18, near mile marker 48.4 in Canterbury. The work also consists of pavement rehabilitation at the ramps at Exit 17 and Exit 18. The work includes upgrading and replacing guardrail and adjusting roadway drainage structures. I-93 mainline will receive a 1-½ inch Asphalt Gap Graded Hot Bituminous Pavement overlay and the Exit 17 and 18 ramps will receive pavement inlays or overlays, depending on existing pavement condition.

**FEDERAL FUNDING:** 90% (Federal Resurfacing) with anticipated utilization of Turnpike Toll Credits for the State's 10% match.

**CONTINGENCY:** The proposed contingency amount is 5% of the contract amount. Although this is technically a one season project, it spans the winter prior to the construction season, with fixed limits, being constructed during a time of fluctuating fuel prices. Adjusting limits to offset quantity overruns is not practical and potential fuel and asphalt adjustments need to be considered.

**PROJECT INITIATED:** This project was initiated through the Interstate Pavement Preservation Program (IPPP).

**PROJECT EXPLANATION:** This project was originally identified to be performed as part of the 2014 IPPP but was delayed due to funding limitations. Based on a 2014 report, the pavement is in fair condition although exhibiting some thermal transverse cracks that have reflected through the overlay performed in 2006. The purpose of this project is to preserve and extend the life of the existing pavement and increase the pavement structure from 6 inches to 7-½ inches, replace deteriorating drainage structures, and rehabilitate guardrail to meet current safety standards.

**TRAFFIC IMPLICATION:** Construction activities will require temporary lane closures with uniformed officers with vehicles. The hours allowed for lane closures are predicated on traffic volumes and indicate largely night work. During non-construction hours traffic will be returned to regular traffic. Ramp work will be done by closing one ramp at a time, sending the traffic to the nearest appropriate exit to turnaround and proceed in the direction desired. I-93 is a NETC route; therefore the available roadway width will not be reduced to less than a 16' minimum clear lane width through any lane closure area, and will be accompanied by a regulatory speed reduction.

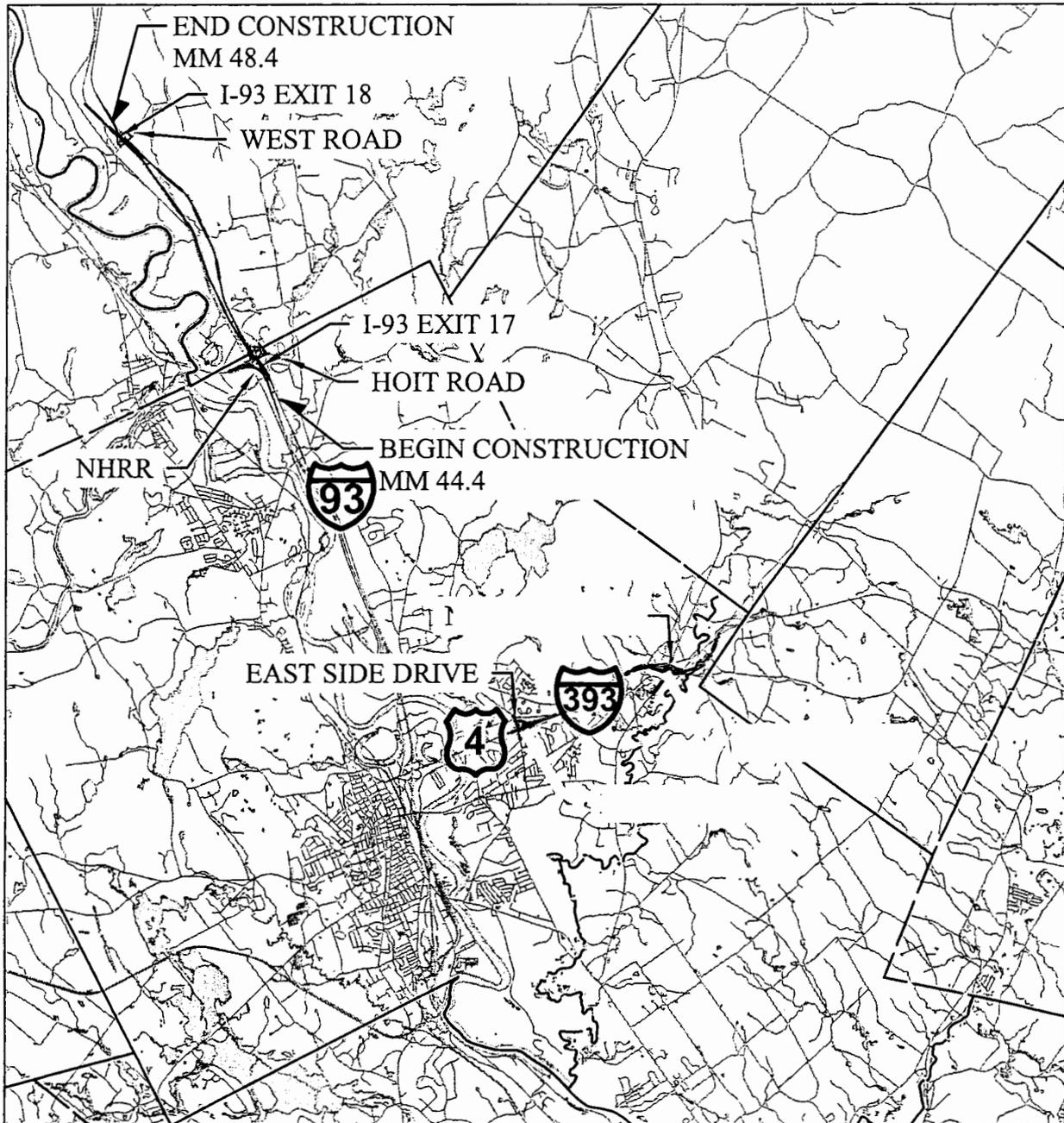
**FINAL COMPLETION DATE:** August 26, 2016.

STATE OF NEW HAMPSHIRE  
DEPARTMENT OF TRANSPORTATION



I-93

PAVEMENT OVERLAY  
CONCORD-CANTERBURY  
LOCATION MAP



**Stantec**

Stantec Consulting Services, Inc.  
5 DARTMOUTH DRIVE, SUITE 101  
AUBURN, NEW HAMPSHIRE 03032  
TEL. 603-699-8672

FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
X-A003(373)	26602	1	1

**State of New Hampshire  
Department of Transportation**

26602.01

**Project:** CONCORD-CANTERBURY  
X-A003(373) 26602

**County and Code:** MERRIMACK COUNTY 013

**Date Bids Open:** October 7, 2015

**Scope of Work:** PAVEMENT AND BRIDGE REHABILITATION

**Location:** I-93 AND BRIDGE NO. 042/121 ON THE SOUTHBOUND  
RAMP OVER THE NHRR FROM US ROUTE 4 TO  
INTERSTATE 93

**Completion Date:** August 26, 2016

A PIKE INDUSTRIES, INC.

3 EASTGATE PARK RD BELMONT, NH 03220

\$4,384,362.25

B CONTINENTAL PAVING INC.

ONE CONTINENTAL DRIVE, LONDONDERRY, NH 03053

\$4,658,620.25

Item No:	Description	Unit	Quantity	A		B		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
202.7	REMOVAL OF GUARDRAIL	LF	38,600.00	\$1.65	\$63,690.00	\$1.50	\$57,900.00		
203.1	COMMON EXCAVATION	CY	225.00	\$18.50	\$4,162.50	\$30.00	\$6,750.00		
203.5525	PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM	U	9.00	\$1,500.00	\$13,500.00	\$2,000.00	\$18,000.00		
203.55542	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL 3	U	1.00	\$1,000.00	\$1,000.00	\$1,250.00	\$1,250.00		
203.55543	GUARDRAIL EAGRT OFFSET PLATFORM, TL 3	U	25.00	\$1,000.00	\$25,000.00	\$1,250.00	\$31,250.00		
203.5596	GUARDRAIL E-2 PLATFORM	LF	317.00	\$12.00	\$3,804.00	\$17.50	\$5,547.50		
206.2	ROCK STRUCTURE EXCAVATION	CY	50.00	\$35.00	\$1,750.00	\$50.00	\$2,500.00		
304.201	GRAVEL	CY	150.00	\$50.00	\$7,500.00	\$40.00	\$6,000.00		
304.3	CRUSHED GRAVEL (F)	CY	20.00	\$48.00	\$960.00	\$75.00	\$1,500.00		
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	1,400.00	\$20.00	\$28,000.00	\$16.00	\$22,400.00		
403.11002	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 2)	TON	1,625.00	\$71.00	\$115,375.00	\$70.00	\$113,750.00		
403.1109	HOT BITUMINOUS PAVEMENT, MACHINE METHOD, HIGH STRENGTH	TON	1,250.00	\$76.00	\$95,000.00	\$82.00	\$102,500.00		
403.11201	HBP - ASPHALT RUBBER GAP GRADED (HPB-ARGG) (QC/QA TIER 1)	TON	17,500.00	\$80.00	\$1,400,000.00	\$100.00	\$1,750,000.00		
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	1,200.00	\$90.00	\$108,000.00	\$125.00	\$150,000.00		
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	20,425.00	\$1.00	\$20,425.00	\$1.50	\$30,637.50		
403.6	PAVEMENT JOINT ADHESIVE	LF	152,600.00	\$0.28	\$42,728.00	\$0.25	\$38,150.00		
417	COLD PLANING BITUMINOUS SURFACES	SY	22,500.00	\$3.52	\$79,200.00	\$2.00	\$45,000.00		
417.416	RUMBLE STRIPS, 16" WIDE	LF	70,000.00	\$0.30	\$21,000.00	\$0.40	\$28,000.00		
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	70,000.00	\$1.35	\$94,500.00	\$1.75	\$122,500.00		

Item No:	Description	Unit	Quantity	A		B		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
559.4	ASPHALTIC PLUG EXPANSION JOINT (F)	LF	38.00	\$96.00	\$3,648.00	\$96.00	\$3,648.00		
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	38.00	\$96.00	\$3,648.00	\$96.00	\$3,648.00		
565.222	BRIDGE APPROACH RAIL T2 (STEEL POSTS)	U	17.00	\$4,500.00	\$76,500.00	\$4,750.00	\$80,750.00		
585.3	STONE FILL, CLASS C	CY	5.00	\$70.00	\$350.00	\$100.00	\$500.00		
593.121	GEOTEXTILE; SUBSUR DRAIN CL.2, NON-WOVEN	SY	10.00	\$2.50	\$25.00	\$5.00	\$50.00		
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	10.00	\$2.50	\$25.00	\$5.00	\$50.00		
603.36112	12" ALUMINIZED STEEL END SECTION	EA	1.00	\$150.00	\$150.00	\$300.00	\$300.00		
603.40012	12" PIPE FOR SLOPE DRAIN.	LF	90.00	\$65.00	\$5,850.00	\$95.00	\$8,550.00		
604.0007	POLYETHYLENE LINER	EA	100.00	\$125.00	\$12,500.00	\$110.00	\$11,000.00		
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	150.00	\$450.00	\$67,500.00	\$375.00	\$56,250.00		
604.5	RECONSTRUCTING/ADJUSTING MANHOLES	LF	2.00	\$450.00	\$900.00	\$375.00	\$750.00		
604.72	GRATES & FRAMES, TYPE B	EA	70.00	\$600.00	\$42,000.00	\$450.00	\$31,500.00		
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	26.00	\$2,000.00	\$52,000.00	\$1,985.00	\$51,610.00		
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	25.00	\$495.00	\$12,375.00	\$500.00	\$12,500.00		
606.1496	BEAM GUARDRAIL (TERMINAL UNIT TYPE E-2)	LF	317.00	\$24.00	\$7,608.00	\$24.00	\$7,608.00		
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	37,500.00	\$15.00	\$562,500.00	\$15.50	\$581,250.00		
606.312	SINGLE FACED TRANSITION RAIL, STEEL POST	U	8.00	\$3,100.00	\$24,800.00	\$2,750.00	\$22,000.00		

Item No:	Description	Unit	Quantity	A		B		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
606.411	CONCRETE BARRIER, SINGLE- FACED, PRECAST	LF	200.00	\$65.00	\$13,000.00	\$130.00	\$26,000.00		
606.41231	TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	U	8.00	\$2,800.00	\$22,400.00	\$3,000.00	\$24,000.00		
606.41251	54" TO 45" TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	U	8.00	\$5,000.00	\$40,000.00	\$4,500.00	\$36,000.00		
606.41351	54" SINGLE SLOPE CONCRETE BARRIER	LF	320.00	\$167.00	\$53,440.00	\$150.00	\$48,000.00		
608.28	8" CONCRETE SIDEWALK (F)	SY	200.00	\$55.00	\$11,000.00	\$65.00	\$13,000.00		
609.21	STRAIGHT GRANITE SLOPE CURB	LF	1,150.00	\$13.00	\$14,950.00	\$15.00	\$17,250.00		
609.5	RESET GRANITE CURB	LF	3,350.00	\$7.00	\$23,450.00	\$6.00	\$20,100.00		
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	13,400.00	\$4.50	\$60,300.00	\$4.00	\$53,600.00		
616.95	INSTALL TRAFFIC STUDY EQUIPMENT	U	1.00	\$6,000.00	\$6,000.00	\$6,500.00	\$6,500.00		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	115,000.00	\$1.00	\$115,000.00	\$1.00	\$115,000.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$200,000.00	\$200,000.00	\$175,000.00	\$175,000.00		
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	9.00	\$2,300.00	\$20,700.00	\$2,000.00	\$18,000.00		
619.279	AUTOMATED TRAILER MOUNTED SPEED LIMIT SIGN	U	4.00	\$2,400.00	\$9,600.00	\$2,500.00	\$10,000.00		
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$7,200.00	\$14,400.00	\$5,000.00	\$10,000.00		
621.1	RETROREFLECTIVE MEDIAN BARRIER DELINEATOR	EA	15.00	\$6.00	\$90.00	\$5.00	\$75.00		
621.21	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR (WHITE)	EA	270.00	\$4.00	\$1,080.00	\$4.00	\$1,080.00		

Item No:	Description	Unit	Quantity	A		B		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
621.22	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR (YELLOW)	EA	290.00	\$4.00	\$1,160.00	\$4.00	\$1,160.00		
621.31	SINGLE DELINEATOR WITH POST	EA	500.00	\$34.00	\$17,000.00	\$35.00	\$17,500.00		
621.32	DOUBLE DELINEATOR WITH POST	EA	37.00	\$40.00	\$1,480.00	\$40.00	\$1,480.00		
621.33	SINGLE DELINEATOR DOUBLE FACED WITH POST	EA	48.00	\$40.00	\$1,920.00	\$40.00	\$1,920.00		
628.2	SAWED BITUMINOUS PAVEMENT	LF	12,200.00	\$1.00	\$12,200.00	\$1.00	\$12,200.00		
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	2,500.00	\$0.70	\$1,750.00	\$1.25	\$3,125.00		
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	260.00	\$1.00	\$260.00	\$1.00	\$260.00		
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	500.00	\$7.00	\$3,500.00	\$7.00	\$3,500.00		
632.71206	GROOVED RETROREFLECTIVE POLYUREA PAVE MARKINGS 6" LINE	LF	130,000.00	\$1.00	\$130,000.00	\$1.00	\$130,000.00		
632.71208	GROOVED RETROREFLECTIVE POLYUREA PAVE MARKING 8" LINE	LF	95.00	\$2.50	\$237.50	\$2.00	\$190.00		
632.71212	GROOVED RETROREFLECTIVE POLYUREA PAVE MARKING 12" LINE	LF	6,025.00	\$2.50	\$15,062.50	\$2.75	\$16,568.75		
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	6,025.00	\$0.35	\$2,108.75	\$0.50	\$3,012.50		
641	LOAM	CY	275.00	\$30.00	\$8,250.00	\$25.00	\$6,875.00		

Item No:	Description	Unit	Quantity	A		B		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	1,600.00	\$4.50	\$7,200.00	\$5.00	\$8,000.00		
645.531	SILT FENCE	LF	3,500.00	\$2.00	\$7,000.00	\$3.00	\$10,500.00		
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	7,500.00	\$0.40	\$3,000.00	\$0.75	\$5,625.00		
647.1	HUMUS	CY	675.00	\$22.00	\$14,850.00	\$20.00	\$13,500.00		
692	MOBILIZATION	U	1.00	\$310,000.00	\$310,000.00	\$200,000.00	\$200,000.00		
698.13	FIELD OFFICE TYPE C	MON	12.00	\$2,000.00	\$24,000.00	\$2,000.00	\$24,000.00		
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00		
1010.15	FUEL ADJUSTMENT	\$	70,000.00	\$1.00	\$70,000.00	\$1.00	\$70,000.00		
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	50,000.00	\$1.00	\$50,000.00	\$1.00	\$50,000.00		
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	95,000.00	\$1.00	\$95,000.00	\$1.00	\$95,000.00		
					\$4,384,362.25		\$4,658,620.25		

## A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
202.7	REMOVAL OF GUARDRAIL	LF	38,600.00	\$1.65	\$63,690.00	\$1.10	\$42,460.00	\$21,230.00
203.1	COMMON EXCAVATION	CY	225.00	\$18.50	\$4,162.50	\$15.00	\$3,375.00	\$787.50
203.5525	PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM	U	9.00	\$1,500.00	\$13,500.00	\$800.00	\$7,200.00	\$6,300.00
203.55542	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL 3	U	1.00	\$1,000.00	\$1,000.00	\$825.00	\$825.00	\$175.00
203.55543	GUARDRAIL EAGRT OFFSET PLATFORM, TL 3	U	25.00	\$1,000.00	\$25,000.00	\$1,050.00	\$26,250.00	(\$1,250.00)
203.5596	GUARDRAIL E-2 PLATFORM	LF	317.00	\$12.00	\$3,804.00	\$13.00	\$4,121.00	(\$317.00)
206.2	ROCK STRUCTURE EXCAVATION	CY	50.00	\$35.00	\$1,750.00	\$35.00	\$1,750.00	\$0.00
304.201	GRAVEL	CY	150.00	\$50.00	\$7,500.00	\$40.00	\$6,000.00	\$1,500.00
304.3	CRUSHED GRAVEL (F)	CY	20.00	\$48.00	\$960.00	\$50.00	\$1,000.00	(\$40.00)
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	1,400.00	\$20.00	\$28,000.00	\$19.00	\$26,600.00	\$1,400.00
403.11002	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 2)	TON	1,625.00	\$71.00	\$115,375.00	\$85.00	\$138,125.00	(\$22,750.00)
403.1109	HOT BITUMINOUS PAVEMENT, MACHINE METHOD, HIGH STRENGTH	TON	1,250.00	\$76.00	\$95,000.00	\$100.00	\$125,000.00	(\$30,000.00)
403.11201	HBP - ASPHALT RUBBER GAP GRADED (HPB-ARGG) (QC/QA TIER 1)	TON	17,500.00	\$80.00	\$1,400,000.00	\$100.00	\$1,750,000.00	(\$350,000.00)
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	1,200.00	\$90.00	\$108,000.00	\$120.00	\$144,000.00	(\$36,000.00)
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	20,425.00	\$1.00	\$20,425.00	\$1.60	\$32,680.00	(\$12,255.00)
403.6	PAVEMENT JOINT ADHESIVE	LF	152,600.00	\$0.28	\$42,728.00	\$0.25	\$38,150.00	\$4,578.00
417	COLD PLANING BITUMINOUS SURFACES	SY	22,500.00	\$3.52	\$79,200.00	\$5.00	\$112,500.00	(\$33,300.00)
417.416	RUMBLE STRIPS, 16" WIDE	LF	70,000.00	\$0.30	\$21,000.00	\$0.20	\$14,000.00	\$7,000.00
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	70,000.00	\$1.35	\$94,500.00	\$1.50	\$105,000.00	(\$10,500.00)

## A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
559.4	ASPHALTIC PLUG EXPANSION JOINT (F)	LF	38.00	\$96.00	\$3,648.00	\$145.00	\$5,510.00	(\$1,862.00)
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	38.00	\$96.00	\$3,648.00	\$175.00	\$6,650.00	(\$3,002.00)
565.222	BRIDGE APPROACH RAIL T2 (STEEL POSTS)	U	17.00	\$4,500.00	\$76,500.00	\$4,000.00	\$68,000.00	\$8,500.00
585.3	STONE FILL, CLASS C	CY	5.00	\$70.00	\$350.00	\$55.00	\$275.00	\$75.00
593.121	GEOTEXTILE; SUBSUR DRAIN CL.2, NON-WOVEN	SY	10.00	\$2.50	\$25.00	\$5.00	\$50.00	(\$25.00)
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	10.00	\$2.50	\$25.00	\$5.00	\$50.00	(\$25.00)
603.36112	12" ALUMINIZED STEEL END SECTION	EA	1.00	\$150.00	\$150.00	\$280.00	\$280.00	(\$130.00)
603.40012	12" PIPE FOR SLOPE DRAIN.	LF	90.00	\$65.00	\$5,850.00	\$65.00	\$5,850.00	\$0.00
604.0007	POLYETHYLENE LINER	EA	100.00	\$125.00	\$12,500.00	\$125.00	\$12,500.00	\$0.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	150.00	\$450.00	\$67,500.00	\$420.00	\$63,000.00	\$4,500.00
604.5	RECONSTRUCTING/ADJUSTING MANHOLES	LF	2.00	\$450.00	\$900.00	\$400.00	\$800.00	\$100.00
604.72	GRATES & FRAMES, TYPE B	EA	70.00	\$600.00	\$42,000.00	\$400.00	\$28,000.00	\$14,000.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	26.00	\$2,000.00	\$52,000.00	\$1,900.00	\$49,400.00	\$2,600.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	25.00	\$495.00	\$12,375.00	\$500.00	\$12,500.00	(\$125.00)
606.1496	BEAM GUARDRAIL (TERMINAL UNIT TYPE E-2)	LF	317.00	\$24.00	\$7,608.00	\$25.00	\$7,925.00	(\$317.00)
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	37,500.00	\$15.00	\$562,500.00	\$17.50	\$656,250.00	(\$93,750.00)
606.312	SINGLE FACED TRANSITION RAIL, STEEL POST	U	8.00	\$3,100.00	\$24,800.00	\$4,000.00	\$32,000.00	(\$7,200.00)

## A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
606.411	CONCRETE BARRIER, SINGLE- FACED, PRECAST	LF	200.00	\$65.00	\$13,000.00	\$200.00	\$40,000.00	(\$27,000.00)
606.41231	TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	U	8.00	\$2,800.00	\$22,400.00	\$2,500.00	\$20,000.00	\$2,400.00
606.41251	54" TO 45" TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	U	8.00	\$5,000.00	\$40,000.00	\$3,500.00	\$28,000.00	\$12,000.00
606.41351	54" SINGLE SLOPE CONCRETE BARRIER	LF	320.00	\$167.00	\$53,440.00	\$105.00	\$33,600.00	\$19,840.00
608.28	8" CONCRETE SIDEWALK (F)	SY	200.00	\$55.00	\$11,000.00	\$55.00	\$11,000.00	\$0.00
609.21	STRAIGHT GRANITE SLOPE CURB	LF	1,150.00	\$13.00	\$14,950.00	\$17.00	\$19,550.00	(\$4,600.00)
609.5	RESET GRANITE CURB	LF	3,350.00	\$7.00	\$23,450.00	\$10.00	\$33,500.00	(\$10,050.00)
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	13,400.00	\$4.50	\$60,300.00	\$5.25	\$70,350.00	(\$10,050.00)
616.95	INSTALL TRAFFIC STUDY EQUIPMENT	U	1.00	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00	\$1,000.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	115,000.00	\$1.00	\$115,000.00	\$1.00	\$115,000.00	\$0.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$200,000.00	\$200,000.00	\$135,000.00	\$135,000.00	\$65,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	9.00	\$2,300.00	\$20,700.00	\$3,100.00	\$27,900.00	(\$7,200.00)
619.279	AUTOMATED TRAILER MOUNTED SPEED LIMIT SIGN	U	4.00	\$2,400.00	\$9,600.00	\$3,000.00	\$12,000.00	(\$2,400.00)
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$7,200.00	\$14,400.00	\$10,000.00	\$20,000.00	(\$5,600.00)
621.1	RETROREFLECTIVE MEDIAN BARRIER DELINEATOR	EA	15.00	\$6.00	\$90.00	\$35.00	\$525.00	(\$435.00)
621.21	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR (WHITE)	EA	270.00	\$4.00	\$1,080.00	\$4.00	\$1,080.00	\$0.00

## A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
621.22	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR (YELLOW)	EA	290.00	\$4.00	\$1,160.00	\$4.00	\$1,160.00	\$0.00
621.31	SINGLE DELINEATOR WITH POST	EA	500.00	\$34.00	\$17,000.00	\$32.00	\$16,000.00	\$1,000.00
621.32	DOUBLE DELINEATOR WITH POST	EA	37.00	\$40.00	\$1,480.00	\$37.50	\$1,387.50	\$92.50
621.33	SINGLE DELINEATOR DOUBLE FACED WITH POST	EA	48.00	\$40.00	\$1,920.00	\$35.00	\$1,680.00	\$240.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	12,200.00	\$1.00	\$12,200.00	\$1.25	\$15,250.00	(\$3,050.00)
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	2,500.00	\$0.70	\$1,750.00	\$1.00	\$2,500.00	(\$750.00)
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	260.00	\$1.00	\$260.00	\$4.50	\$1,170.00	(\$910.00)
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	500.00	\$7.00	\$3,500.00	\$8.50	\$4,250.00	(\$750.00)
632.71206	GROOVED RETROREFLECTIVE POLYUREA PAVE MARKINGS 6" LINE	LF	130,000.00	\$1.00	\$130,000.00	\$1.00	\$130,000.00	\$0.00
632.71208	GROOVED RETROREFLECTIVE POLYUREA PAVE MARKING 8" LINE	LF	95.00	\$2.50	\$237.50	\$1.25	\$118.75	\$118.75
632.71212	GROOVED RETROREFLECTIVE POLYUREA PAVE MARKING 12" LINE	LF	6,025.00	\$2.50	\$15,062.50	\$1.75	\$10,543.75	\$4,518.75
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	6,025.00	\$0.35	\$2,108.75	\$0.55	\$3,313.75	(\$1,205.00)
641	LOAM	CY	275.00	\$30.00	\$8,250.00	\$30.00	\$8,250.00	\$0.00

## A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	1,600.00	\$4.50	\$7,200.00	\$4.50	\$7,200.00	\$0.00
645.531	SILT FENCE	LF	3,500.00	\$2.00	\$7,000.00	\$2.65	\$9,275.00	(\$2,275.00)
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	7,500.00	\$0.40	\$3,000.00	\$0.60	\$4,500.00	(\$1,500.00)
647.1	HUMUS	CY	675.00	\$22.00	\$14,850.00	\$22.50	\$15,187.50	(\$337.50)
692	MOBILIZATION	U	1.00	\$310,000.00	\$310,000.00	\$242,875.00	\$242,875.00	\$67,125.00
698.13	FIELD OFFICE TYPE C	MON	12.00	\$2,000.00	\$24,000.00	\$1,500.00	\$18,000.00	\$6,000.00
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	70,000.00	\$1.00	\$70,000.00	\$1.00	\$70,000.00	\$0.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	50,000.00	\$1.00	\$50,000.00	\$1.00	\$50,000.00	\$0.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	95,000.00	\$1.00	\$95,000.00	\$1.00	\$95,000.00	\$0.00
					\$4,384,362.25		\$4,813,242.25	(\$428,880.00)

**Certificate of Insurance**

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON YOU THE CERTIFICATE HOLDER. THIS CERTIFICATE IS NOT AN INSURANCE POLICY AND DOES NOT AMEND, EXTEND, OR ALTER THE COVERAGE AFFORDED BY THE POLICIES LISTED BELOW. POLICY LIMITS ARE NO LESS THAN THOSE LISTED, ALTHOUGH POLICIES MAY INCLUDE ADDITIONAL SUBLIMIT/LIMITS NOT LISTED BELOW.

**This is to Certify that**

Pike Industries, Inc.  
3 Eastgate Park Road  
Belmont NH 03220

NAME AND  
ADDRESS  
OF INSURED



**Liberty Mutual**  
INSURANCE

is, at the issue date of this certificate, insured by the Company under the policy(ies) listed below. The insurance afforded by the listed policy(ies) is subject to all their terms, exclusions and Conditions and is not altered by any requirement, term or condition of any contract or other document with respect to which this certificate may be issued.

TYPE OF POLICY	EXP DATE		POLICY NUMBER	LIMIT OF LIABILITY	
	<input type="checkbox"/> CONTINUOUS	<input type="checkbox"/> EXTENDED			
WORKERS COMPENSATION	<input checked="" type="checkbox"/> POLICY TERM		WA7-C8D-004095-025 WC7-C81-004095-015	COVERAGE AFFORDED UNDER WC LAW OF THE FOLLOWING STATES: -025: All States except OH, ND, WA, WY  -015: WI	<b>EMPLOYERS LIABILITY</b>
	9/1/2016				Bodily Injury by Accident <b>\$1,000,000</b> Each Accident
COMMERCIAL GENERAL LIABILITY <input checked="" type="checkbox"/> OCCURRENCE <input type="checkbox"/> CLAIMS MADE	9/1/2016		TB2-C81-004095-115 -Per Project Aggregate included.	General Aggregate	<b>\$2,000,000</b>
				Products / Completed Operations Aggregate	<b>\$2,000,000</b>
				Each Occurrence	<b>\$2,000,000</b>
				Personal & Advertising Injury	<b>\$2,000,000</b> Per Person / Organization
				Other Damage to Premises Rented to You: <b>\$250,000</b>	Other Medical Exp: <b>\$5,000</b>
AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> OWNED <input checked="" type="checkbox"/> NON-OWNED <input checked="" type="checkbox"/> HIRED	9/1/2016		AS2-C81-004095-125	Each Accident—Single Limit <b>\$2,000,000</b> B.I. And P.D. Combined	
				Each Person	
				Each Accident or Occurrence	
				Each Accident or Occurrence	
OTHER Automobile policy	9/1/2015 - 9/1/2016		AS2-C81-054502-525	Physical Damage only -\$10,000 Comp -\$10,000 Coll	

**ADDITIONAL COMMENTS**  
RE: Project No. X-A003(373), 26602, Concord-Canterbury.  
State of New Hampshire – D.O.T. is listed as additional insured with regards to the general liability policy, where required by written contract.

\* If the certificate expiration date is continuous or extended term, you will be notified if coverage is terminated or reduced before the certificate expiration date.

**NOTICE OF CANCELLATION:** (NOT APPLICABLE UNLESS A NUMBER OF DAYS IS ENTERED BELOW.)  
BEFORE THE STATED EXPIRATION DATE THE COMPANY WILL NOT CANCEL OR REDUCE THE INSURANCE AFFORDED UNDER THE ABOVE POLICIES UNTIL AT LEAST 30 DAYS NOTICE OF SUCH CANCELLATION HAS BEEN MAILED TO:

X-A003(373), 26602

**Liberty Mutual  
Insurance Group**

Certificate  
Holder

State of New Hampshire – D.O.T.  
PO Box 483  
Concord NH 03302-0483

*Stanley S. Esposito, Jr.*

Stan Esposito

AUTHORIZED REPRESENTATIVE

Pittsburgh / 0387  
12 Federal Street, Ste. 310  
Pittsburgh

PA 15212-5706 412-231-1331

10/21/2015

OFFICE

PHONE

DATE ISSUED

This certificate is executed by LIBERTY MUTUAL INSURANCE GROUP as respects such insurance as is afforded by those Companies NM 772 07-10

OWNERS AND CONTRACTORS PROTECTIVE  
LIABILITY DECLARATIONS



Issued by Liberty Mutual Fire Insurance Company

Policy Number TF2-681-054502-805  
Renewal of New  
Account Number 8-036771

Issuing Office Bala Cynwyd, PA  
Issue Date 2015-10-26  
Sub Account 0000

Named Insured and Mailing Address  
State of New Hampshire-D.O.T.  
PO Box 483  
Concord, NH 03302-0483

Form of Business Other

Policy Period: The policy period is from 10/28/2015 to 10/28/2016 12:01 A.M. standard time at the Insured's mailing address.

Designated Contractor: Pike Industries, Inc.

Mailing Address: 3 Eastgate Park Rd.  
Belmont, NH 03220

Location of Coverage Operations: Concord-Canterbury X-A003(373), 26602

In return for the payment of the premium, and subject to all the terms of this policy, we agree with you to provide the insurance as stated in this policy.

LIMITS OF INSURANCE

Each Occurrence Limit \$ 2,000,000  
Aggregate Limit \$ 3,000,000

SCHEDULE

The declarations are completed on the accompanying "Declarations Extension Schedule(s)".

Owners and Contractors Protective Liability Coverage Part Premium \$ 1,000  
Endorsement Premium \$  
Total Estimated Premium \$ 1,000  
Other Charges(s) \$

Policywriting Minimum Premium \$

Forms Applicable: See Attached Inventory

Producer 0002 008060  
Marsh Casualty Advisory Representative  
3560 Lenox Rd., Ste 2400  
Atlanta, GA 30326

Countersigned By:

*Dana D. Spitters*

Authorized Representative

