



Victoria F. Sheehan  
Commissioner

THE STATE OF NEW HAMPSHIRE  
DEPARTMENT OF TRANSPORTATION



William Cass, P.E.  
Assistant Commissioner

Beach  
20

Bureau of Construction  
October 26, 2017

His Excellency, Governor Christopher T. Sununu  
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 single bid of \$14,991,914.27 for rehabilitation of roadway and bridges on 5 miles of I-89 from the Hardy Hill Road bridge to just south of Exit 20, from the date of Governor and Council approval through August 9, 2019 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available in State Fiscal Year 2018 and 2019 as follows, with the ability to adjust encumbrances through the Budget Office between State Fiscal Years if needed and justified:

Funding is available as follows:	<u>FY 2018</u>	<u>FY 2019</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments	\$14,791,914.27	\$200,000.00

2. Further authorize that a contingency in the amount of \$599,676.58 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 4% of the contract amount.

Funding is available as follows:	<u>FY 2018</u>
04-96-96-963515-3054	
Consolidated Federal Aid	
400-500870 Highway Contract Payments	\$599,676.58

**EXPLANATION**

This project is part of the State's Ten Year Transportation Improvement Plan. The Lebanon project located on Interstate 89 starts south of the Hardy Hill Rd bridges (Br. No. 155/117 & 156/117), (approx. MM 54.65) and extends northerly 5.35 miles to a pavement joint south of Exit 20 near MM 60.0. A half mile portion in the vicinity of Exit 19 (approx. MM 58.0 - MM 58.5) will be addressed under a separate contract, Lebanon 41191 scheduled for construction in 2020.

The work involves extensive pavement rehabilitation consisting primarily of milling out 3" of pavement, paving back with a 2.5" high strength binder and 1.5" wearing course overlay. Bridge rehabilitation work involves joint replacement and deck repairs at the 2 Heater Road bridges and the Poverty Lane Bridge.

Additional work includes drainage rehabilitation, rock scaling, guardrail replacement, median barrier installation, rest area pavement resurfacing, fencing and installation of permanent ITS Dynamic Message Signs.

. This segment of Interstate 89 was originally constructed in the 1960s. Based on a 2013 report, the pavement is in overall fair condition exhibiting severe rutting and thermal cracking. The pavement along I-89 and the weigh stations/rest area are showing signs of distress and rehabilitation will restore the riding surface and extend the service life. This project will extend the life of the existing infrastructure and eliminate the need for more costly improvements in the short-term future.

The proposed contingency amount is 4% of the contract amount. This project has limited survey, therefore certain quantities and repairs, estimated based on aerial and as-built plan information, run a higher risk of inaccuracy. These items include guardrail, drainage, fencing, curbing, and excavation. Variations in quantities related to bridge deck, concrete substructure repairs, and joint replacements are anticipated, therefore the true extent of bridge repair work is only an estimate. In addition, traffic control for phased construction over a two season project and the potential for weather delays could result in additional costs.

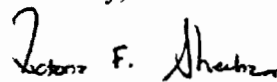
Although there was only one bid received and the bid costs exceeded the Department's estimate by 12.17%, this bid is felt to be reasonable for the work involved. In review of the bids the Department underestimated 4 significant items and the amount of work by subcontractors is driving the higher bid cost. Readvertising this project would result, in our opinion, in higher prices and prevent the completion of the work in a timely manner. The Department considers it to be in the best interest of the State to accept this bid to accomplish these needed repairs.

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 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: \$13,365,063.00

Contract Amount: \$14,991,914.27

Over Estimate: \$ 1,626,851.27

Attachments

August 16, 2017

## SUPPLEMENTAL PROJECT INFORMATION SHEET

**DESCRIPTION:** The Lebanon project located on Interstate 89 starts approximately 500' south of the Hardy Hill Rd bridges (Br. No. 155/117 & 156/117), (approx. MM 54.65) and extends northerly 5.35 miles to a pavement joint south of Exit 20 near MM 60.0. A half mile portion in the vicinity of Exit 19 (approx. MM 58.0 - MM 58.5) will be addressed under a separate contract, Lebanon 41191 scheduled for construction in 2020.

**FEDERAL FUNDING:** 90% PAVE-T1-REHAB Federal funds with 10% State match using Turnpike Toll Credits.

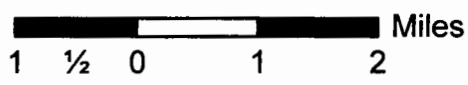
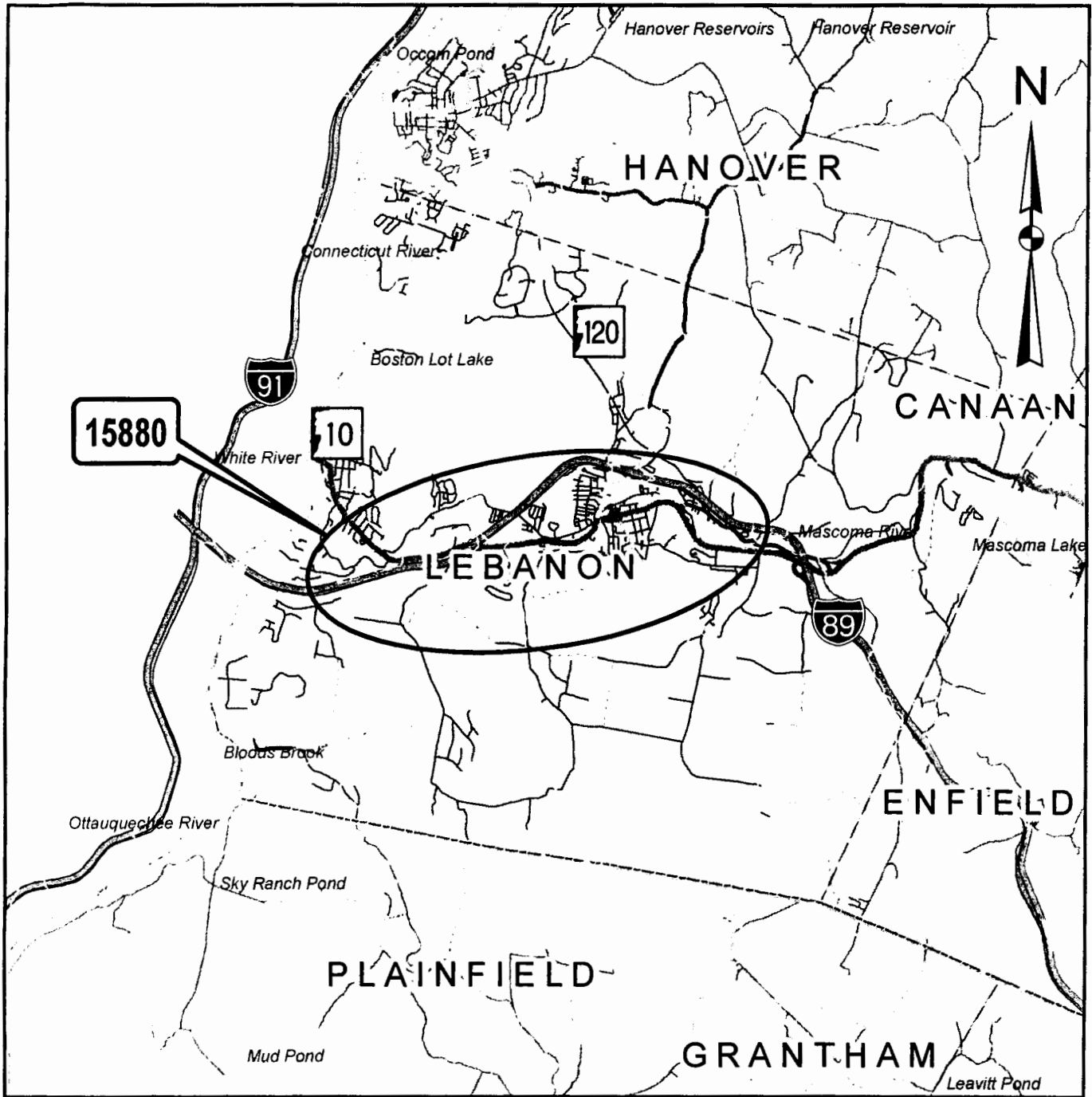
**CONTINGENCY:** The proposed contingency amount is 4% of the contract amount. This project has limited survey, therefore certain quantities and repairs, estimated based on aerial and as-built plan information, run a higher risk of inaccuracy. These items include guardrail, drainage, fencing, curbing, and excavation. Variations in quantities related to bridge deck, concrete substructure repairs, and joint replacements are anticipated, therefore the true extent of bridge repair work is only an estimate. In addition, traffic control for phased construction over a two season project and the potential for weather delays could result in additional costs.

**PROJECT INITIATED:** Through the State 10 YP PAVE-T1-REHAB (4R) Program.

**PROJECT EXPLANATION:** Based on a 2013 report, the pavement is in overall fair condition exhibiting severe rutting and thermal cracking. This segment of Interstate 89 was originally constructed in the 1960s. It has been resurfaced multiple times, but a 2005 wearing course was recently found to be a major contributor to severe rutting issues. The pavement along I-89 and the weigh stations/rest area are showing signs of distress and rehabilitation will restore the riding surface and extend the service life. This project will extend the life of the existing infrastructure and eliminate the need for more costly improvements in the short-term future.

**TRAFFIC IMPLICATION:** I-89 cold planing, paving, and joint work on Heater Road bridges, will be completed at night. Short-term lane, shoulder, and ramp closures associated with non-paving activities will be allowed during off peak daytime hours. I-89 is a major route for oversize/overweight vehicles, therefore at least one lane of 16' minimum clear width will be maintained for prescribed times. Exit 18 SB on ramp closure, for cold planing and paving, will only be allowed to occur at night, and will have a signed detour. Work on Poverty Lane Bridge will require one lane, alternating two-way traffic using a temporary signal and sensor for emergency vehicles. Substructure work on the Heater Road bridges will require daytime lane closures on Heater Road, using one lane, alternating two-way traffic control. Night time closures will be required for paving operations at the NB weigh station and the SB Rest Area / weigh station.

**FINAL COMPLETION DATE:** August 9, 2019.



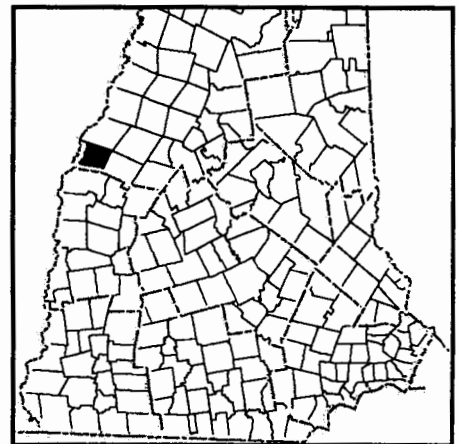
**LEGEND**

- Streams
- Water Bodies
- US Routes
- State Routes
- Interstates
- Local Roads
- Town Boundary

*New Hampshire*  
**DOT**  
 Department of Transportation

State #: 15880  
 Federal #: X-A001 (008)

**LOCATION MAP**



PROJECT: LEBANON  
 STATE PROJECT NUMBER: 15880  
 FED. PROJECT NUMBER: X-A001(008)  
 DATE BIDS OPEN: September 21, 2017,  
 SCOPE OF WORK: From north of Hardy Hill Rd bridge north 5 miles to south of Exit 20 rehabilitate roadway & bridges  
 COMPLETION DATE: August 09, 2019  
 LOCATION: Grafton

Awarded To: PIKE INDUSTRIES, INC.  
 3 EASTGATE PARK ROAD  
 BELMONT, NH 03220

Amount: \$14,991,914.27  
 Certified by: PETER.E.STAMNAS  
Director of Project Development

Summary of Bidders

Contractor	Bid Amount	Rank
PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD, BELMONT NH 03220	\$14,991,914.27	A

Item No.	Description	Unit	Quantity	P&S			PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220		
				Unit Price	Total	Unit Price	Total	Unit Price	Total

**Items**

201.01	CLEARING (F)	A	1.25	\$13,000.00	\$16,250.00	\$6,500.00	\$8,125.00
201.1	CLEARING AND GRUBBING (F)	A	3.00	\$5,500.00	\$16,500.00	\$6,100.00	\$18,300.00
201.6	CLEARING FOR FENCE LINES (F)	A	1.20	\$5,000.00	\$6,000.00	\$35,000.00	\$42,000.00
201.7	SELECTIVE CLEARING AND THINNING (F)	A	2.10	\$6,500.00	\$13,650.00	\$6,500.00	\$13,650.00
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	6,500.00	\$1.25	\$8,125.00	\$2.00	\$13,000.00
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	600.00	\$1.25	\$750.00	\$10.00	\$6,000.00
202.31	FILL ABANDONED PIPE	CY	220.00	\$140.00	\$30,800.00	\$350.00	\$77,000.00
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	40.00	\$16.00	\$640.00	\$33.00	\$1,320.00
202.7	REMOVAL OF GUARDRAIL	LF	55,330.00	\$1.50	\$82,995.00	\$1.50	\$82,995.00
202.74	REMOVAL OF CONCRETE BARRIER	LF	320.00	\$10.00	\$3,200.00	\$6.50	\$2,080.00
203.11	COMMON EXCAVATION - LRS	CY	90.00	\$10.00	\$900.00	\$47.00	\$4,230.00
203.2	ROCK EXCAVATION	CY	50.00	\$23.00	\$1,150.00	\$58.00	\$2,900.00
203.55543	GUARDRAIL EAGRT OFFSET PLATFORM, TL 3	U	28.00	\$1,200.00	\$31,200.00	\$1,300.00	\$33,800.00
203.601	EMBANKMENT-IN-PLACE	CY	600.00	\$15.00	\$9,000.00	\$25.00	\$15,000.00
203.91	ROCK SCALING - HAND METHOD	HR	120.00	\$220.00	\$26,400.00	\$230.00	\$27,600.00
203.92	ROCK SCALING - MACHINE METHOD	HR	30.00	\$400.00	\$12,000.00	\$550.00	\$16,500.00
206.1	COMMON STRUCTURE EXCAVATION	CY	1,830.00	\$25.00	\$45,750.00	\$21.00	\$38,430.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	30.00	\$45.00	\$1,350.00	\$100.00	\$3,000.00
206.2	ROCK STRUCTURE EXCAVATION	CY	90.00	\$75.00	\$6,750.00	\$90.00	\$8,100.00
304.1	SAND (F)	CY	200.00	\$50.00	\$10,000.00	\$38.00	\$7,600.00
304.301	CRUSHED GRAVEL	CY	488.00	\$50.00	\$24,400.00	\$45.00	\$22,005.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	2,750.00	\$20.00	\$55,000.00	\$35.00	\$96,250.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	40.00	\$175.00	\$7,000.00	\$500.00	\$20,000.00
403.11001	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 1)	TON	20,800.00	\$70.00	\$1,442,000.00	\$78.00	\$1,606,800.00
403.11901	HBP - MACHINE METHOD, HIGH STRENGTH (QC/QA TIER 1)	TON	33,000.00	\$75.00	\$2,475,000.00	\$70.00	\$2,310,000.00
403.11902	HBP - MACHINE METHOD, HIGH STRENGTH (QC/QA TIER 2)	TON	1,370.00	\$78.00	\$106,860.00	\$76.00	\$104,120.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	1,295.00	\$107.00	\$138,565.00	\$135.00	\$174,825.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	55,900.00	\$1.50	\$83,850.00	\$2.30	\$128,570.00
403.6	PAVEMENT JOINT ADHESIVE	LF	329,600.00	\$0.28	\$92,288.00	\$0.23	\$75,808.00
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	1,050.00	\$2.50	\$2,625.00	\$2.41.50	\$2,535.75
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	37.30	\$200.00	\$7,460.00	\$350.00	\$13,055.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	36,000.00	\$4.00	\$144,000.00	\$3.30	\$118,800.00
411.1	HOT BITUMINOUS CONCRETE LEVELING COURSE	TON	500.00	\$75.00	\$37,500.00	\$100.00	\$50,000.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	239,300.00	\$1.50	\$358,950.00	\$2.50	\$598,250.00
417.416	RUMBLE STRIPS, 16" WIDE	LF	96,600.00	\$0.30	\$28,980.00	\$0.23	\$22,218.00
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$25,000.00	\$25,000.00	\$65,000.00	\$65,000.00
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$25,000.00	\$25,000.00	\$65,000.00	\$65,000.00
502.103	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$70,000.00	\$70,000.00	\$80,000.00	\$80,000.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$2,000.00	\$2,000.00	\$73,000.00	\$73,000.00
503.102	WATER DIVERSION STRUCTURE	U	1.00	\$2,000.00	\$2,000.00	\$25,500.00	\$25,500.00
503.103	WATER DIVERSION STRUCTURE	U	1.00	\$2,000.00	\$2,000.00	\$16,750.00	\$16,750.00
503.104	WATER DIVERSION STRUCTURE	U	1.00	\$2,000.00	\$2,000.00	\$3,700.00	\$3,700.00

Item No.	Description	Unit	Quantity	PS&E			PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220		
				Unit Price	Total	Unit Price	Total	Unit Price	Total
503.105	WATER DIVERSION STRUCTURE	U	1.00	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
503.106	WATER DIVERSION STRUCTURE	U	1.00	\$2,000.00	\$2,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00
503.107	WATER DIVERSION STRUCTURE	U	1.00	\$2,000.00	\$2,000.00	\$3,750.00	\$3,750.00	\$3,750.00	\$3,750.00
503.108	WATER DIVERSION STRUCTURE	U	1.00	\$2,000.00	\$2,000.00	\$7,600.00	\$7,600.00	\$7,600.00	\$7,600.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	19.00	\$50.00	\$950.00	\$50.00	\$950.00	\$950.00	\$950.00
511.00	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	653.00	\$15.00	\$9,795.00	\$15.00	\$9,795.00	\$9,795.00	\$9,795.00
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	55.00	\$300.00	\$16,500.00	\$350.00	\$19,250.00	\$19,250.00	\$19,250.00
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	10.00	\$750.00	\$7,500.00	\$750.00	\$7,500.00	\$7,500.00	\$7,500.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	280.00	\$600.00	\$168,000.00	\$350.00	\$98,000.00	\$98,000.00	\$98,000.00
520.01	CONCRETE CLASS AA	CY	6.00	\$1,000.00	\$6,000.00	\$1,500.00	\$9,000.00	\$9,000.00	\$9,000.00
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	51.80	\$1,250.00	\$64,750.00	\$1,500.00	\$77,700.00	\$77,700.00	\$77,700.00
529.8306	PRECAST CONCRETE SPECIAL HEADWALL, 6" PIPE	U	4.00	\$375.00	\$1,500.00	\$915.00	\$3,660.00	\$3,660.00	\$3,660.00
529.8312	PRECAST CONCRETE SPECIAL HEADWALL, 12" PIPE	U	4.00	\$675.00	\$2,700.00	\$1,960.00	\$7,440.00	\$7,440.00	\$7,440.00
529.8315	PRECAST CONCRETE SPECIAL HEADWALL, 15" PIPE	U	4.00	\$900.00	\$3,600.00	\$2,560.00	\$10,240.00	\$10,240.00	\$10,240.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	107.00	\$85.00	\$9,095.00	\$100.00	\$10,700.00	\$10,700.00	\$10,700.00
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	28.00	\$45.00	\$1,260.00	\$50.00	\$1,400.00	\$1,400.00	\$1,400.00
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	653.00	\$25.00	\$16,325.00	\$25.00	\$16,325.00	\$16,325.00	\$16,325.00
541.5	PVC WATERSTOPS, NH TYPE 5 (F)	LF	98.00	\$10.00	\$980.00	\$10.00	\$980.00	\$980.00	\$980.00
544.201	REINFORCING STEEL - EPOXY COATED	LB	1,339.00	\$3.50	\$4,686.50	\$2.50	\$3,347.50	\$3,347.50	\$3,347.50
544.2101	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS	LB	119.00	\$5.00	\$595.00	\$5.00	\$595.00	\$595.00	\$595.00
550.191	TEMPORARY GIRDER SUPPORT SYSTEM	U	2.00	\$25,000.00	\$50,000.00	\$25,000.00	\$50,000.00	\$25,000.00	\$25,000.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	110.00	\$95.00	\$10,450.00	\$124.00	\$13,640.00	\$13,640.00	\$13,640.00
559.6301	PRE-COMPRESSED SILICONE-FACED FOAM EXPANSION JOINT SYSTEM (F)	LF	63.00	\$200.00	\$12,600.00	\$150.00	\$9,450.00	\$9,450.00	\$9,450.00
559.6302	PRE-COMPRESSED SILICONE-FACED FOAM EXPANSION JOINT SYSTEM (F)	LF	63.00	\$200.00	\$12,600.00	\$350.00	\$22,050.00	\$22,050.00	\$22,050.00
559.6303	PRE-COMPRESSED SILICONE-FACED FOAM EXPANSION JOINT SYSTEM (F)	LF	63.00	\$300.00	\$18,900.00	\$150.00	\$9,450.00	\$9,450.00	\$9,450.00
559.6304	PRE-COMPRESSED SILICONE-FACED FOAM EXPANSION JOINT SYSTEM (F)	LF	63.00	\$200.00	\$12,600.00	\$150.00	\$9,450.00	\$9,450.00	\$9,450.00
559.6305	PRE-COMPRESSED SILICONE-FACED FOAM EXPANSION JOINT SYSTEM (F)	LF	63.00	\$200.00	\$12,600.00	\$350.00	\$22,050.00	\$22,050.00	\$22,050.00
568.6306	PRE-COMPRESSED SILICONE-FACED FOAM EXPANSION JOINT SYSTEM (F)	LF	63.00	\$300.00	\$18,900.00	\$150.00	\$9,450.00	\$9,450.00	\$9,450.00
561.1201	PREFABRICATED STRIP SEAL EXPANSION JOINT W/ PLOW PLATES (F)	LF	49.00	\$1,100.00	\$53,900.00	\$850.00	\$41,650.00	\$41,650.00	\$41,650.00
561.1202	PREFABRICATED STRIP SEAL EXPANSION JOINT W/ PLOW PLATES (F)	LF	49.00	\$1,100.00	\$53,900.00	\$850.00	\$41,650.00	\$41,650.00	\$41,650.00
562.1	SILICONE JOINT SEALANT (F)	LF	85.00	\$15.00	\$1,275.00	\$25.00	\$2,125.00	\$2,125.00	\$2,125.00
563.8	RESETTING BRIDGE RAIL	LF	4.00	\$800.00	\$3,200.00	\$985.00	\$3,940.00	\$3,940.00	\$3,940.00
563.973	SNOW SCREENING FOR OVERPASS STRUCTURES RAIL F	LF	54.00	\$75.00	\$4,050.00	\$59.50	\$3,213.00	\$3,213.00	\$3,213.00
565.802	ADJUSTING BRIDGE APPROACH RAIL	U	4.00	\$325.00	\$1,300.00	\$250.00	\$1,000.00	\$1,000.00	\$1,000.00
565.919	BRIDGE APPROACH RAIL, THRIE BEAM TRANSITION (STEEL POSTS) (MODIFIED)	U	8.00	\$4,500.00	\$36,000.00	\$2,250.00	\$18,000.00	\$18,000.00	\$18,000.00
570.401	MORTAR RUBBLE MASONRY	CY	170.00	\$550.00	\$93,500.00	\$470.00	\$79,900.00	\$79,900.00	\$79,900.00
570.93	RECONSTRUCTING MRM HEADALL	CY	110.00	\$350.00	\$38,500.00	\$470.00	\$51,700.00	\$51,700.00	\$51,700.00
585.2	STONE FILL, CLASS B	CY	650.00	\$40.00	\$26,000.00	\$63.50	\$41,275.00	\$41,275.00	\$41,275.00

Item No.	Description	Unit	Quantity	PS&E		PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220	
				Unit Price	Total	Unit Price	Total
585.3	STONE FILL, CLASS C	CY	210.00	\$45.00	\$9,450.00	\$46.50	\$9,765.00
585.4	STONE FILL, CLASS D	CY	20.00	\$50.00	\$1,000.00	\$54.00	\$1,080.00
583.121	GEOTEXTILE; SUBSUR DRAIN CL-2, NON-WOVEN	SY	180.00	\$1.00	\$180.00	\$3.50	\$630.00
583.411	GEOTEXTILE; PERM CONTROL CL-1, NON-WOVEN	SY	2,400.00	\$3.00	\$7,200.00	\$2.00	\$4,800.00
602.63515	UV CURED-IN-PLACE LINER FOR 15" PIPE	LF	1,970.00	\$175.00	\$344,750.00	\$157.50	\$310,275.00
602.63518	UV CURED-IN-PLACE LINER FOR 18" PIPE	LF	70.00	\$200.00	\$14,000.00	\$232.00	\$16,240.00
602.63524	UV CURED-IN-PLACE LINER FOR 24" PIPE	LF	790.00	\$225.00	\$177,750.00	\$236.00	\$186,440.00
602.63536	UV CURED-IN-PLACE LINER FOR 36" PIPE	LF	260.00	\$250.00	\$65,000.00	\$288.00	\$74,880.00
602.63548	UV CURED-IN-PLACE LINER FOR 48" PIPE	LF	190.00	\$300.00	\$57,000.00	\$440.00	\$83,600.00
603.0001	VIDEO INSPECTION	LF	9,750.00	\$1.00	\$9,750.00	\$1.40	\$13,650.00
603.00215	15" R.C. PIPE, 2000D	LF	45.00	\$45.00	\$2,025.00	\$192.00	\$8,640.00
603.00224	24" R.C. PIPE, 2000D	LF	130.00	\$60.00	\$7,800.00	\$235.00	\$30,550.00
603.00342	42" R.C. PIPE, 3000D	LF	10.00	\$100.00	\$1,000.00	\$590.00	\$5,900.00
603.33212	12" CORR. POLYETHYLENE END SECTION	EA	40.00	\$300.00	\$12,000.00	\$195.00	\$7,800.00
603.34142	42" STEEL END SECTIONS	EA	1.00	\$900.00	\$900.00	\$2,100.00	\$2,100.00
603.44212	12" CORR. POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	1,350.00	\$40.00	\$54,000.00	\$63.25	\$85,387.50
603.44215	15" CORR. POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	70.00	\$45.00	\$3,150.00	\$85.00	\$5,950.00
603.60015	LAYING/RELAYING 15" DRAINAGE PIPE	LF	20.00	\$35.00	\$700.00	\$177.00	\$3,540.00
603.60024	LAYING/RELAYING 24" DRAINAGE PIPE	LF	30.00	\$45.00	\$1,350.00	\$225.00	\$6,750.00
603.60066	LAYING/RELAYING 66" DRAINAGE PIPE	LF	140.00	\$200.00	\$28,000.00	\$435.00	\$60,900.00
603.82212	12" PE PIPE (TYPE S)	LF	220.00	\$30.00	\$6,600.00	\$58.50	\$12,870.00
603.82215	15" PE PIPE (TYPE S)	LF	530.00	\$45.00	\$23,850.00	\$61.50	\$32,595.00
604.0007	POLYETHYLENE LINER	EA	55.00	\$160.00	\$8,800.00	\$170.00	\$9,350.00
604.124	CATCH BASINS TYPE B, 4-FOOT DIAMETER	U	10.00	\$2,300.00	\$23,000.00	\$2,250.00	\$22,500.00
604.242	DROP INLETS TYPE D-B	U	45.00	\$1,500.00	\$67,500.00	\$1,700.00	\$76,500.00
604.245	DROP INLETS TYPE D-E	U	1.00	\$1,500.00	\$1,500.00	\$2,100.00	\$2,100.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	452.00	\$420.00	\$189,840.00	\$350.00	\$158,200.00
604.51	RECONSTRUCTING/ADJUSTING SEWER MANHOLES	LF	5.00	\$575.00	\$2,875.00	\$350.00	\$1,750.00
604.52	MANHOLES	LF	2.00	\$420.00	\$840.00	\$350.00	\$700.00
604.72	GRATES & FRAMES, TYPE B	EA	110.00	\$475.00	\$52,250.00	\$440.00	\$48,400.00
605.506	8" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	17,380.00	\$16.00	\$278,080.00	\$29.00	\$504,020.00
605.512	12" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	6,910.00	\$21.00	\$124,110.00	\$39.50	\$233,445.00
605.515	15" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	2,600.00	\$26.00	\$67,600.00	\$50.65	\$131,690.00
605.518	18" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	340.00	\$30.00	\$10,200.00	\$73.15	\$24,871.00
605.524	24" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	900.00	\$44.00	\$39,600.00	\$80.00	\$72,000.00
605.79	UNDERDRAIN FLUSHING BASINS	EA	70.00	\$300.00	\$21,000.00	\$400.00	\$28,000.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGT, TL 3) (STEEL POST)	U	25.00	\$2,000.00	\$50,000.00	\$2,100.00	\$52,500.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	28.00	\$500.00	\$14,000.00	\$525.00	\$15,225.00
606.1296	BEAM GUARDRAIL (TERMINAL UNIT TYPE E-2) (STEEL POST)	LF	302.00	\$28.00	\$8,456.00	\$25.00	\$7,550.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	41,450.00	\$15.00	\$621,750.00	\$16.60	\$688,070.00
606.21203	DOUBLE-FACED BEAM GUARDRAIL (THREE BEAM) (STEEL POST)	LF	4,825.00	\$31.00	\$149,575.00	\$47.00	\$226,775.00
606.28001	31" DOUBLE FACED W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	11,175.00	\$22.00	\$245,850.00	\$23.00	\$257,025.00



Item No.	Description	Unit	Quantity	PS&E			PIKE INDUSTRIES, INC. 3 INDUSTRIAL PARK ROAD BELMONT, NH 03220		
				Unit Price	Total	Unit Price	Total	Unit Price	Total
606.312	SINGLE FACED TRANSITION RAIL, STEEL POST	U	21.00	\$2,750.00	\$57,750.00	\$2,967.00	\$62,307.00		
606.322	DOUBLE FACED TRANSITION RAIL, STEEL POST	U	1.00	\$4,030.00	\$4,030.00	\$4,536.00	\$4,536.00		
606.34201	SINGLE FACED ASYMMETRICAL TRANSITION RAIL, LEFT (STEEL POST)	U	1.00	\$1,000.00	\$1,000.00	\$750.00	\$750.00		
606.34202	SINGLE FACED ASYMMETRICAL TRANSITION RAIL, RIGHT (STEEL POST)	U	1.00	\$1,000.00	\$1,000.00	\$750.00	\$750.00		
606.41231	TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	U	16.00	\$2,500.00	\$40,000.00	\$3,500.00	\$56,000.00		
606.41252	54" SINGLE SLOPE CONCRETE BARRIER (PRECAST) TRANSITION TO BEAM GUARDRAIL	U	6.00	\$6,500.00	\$39,000.00	\$6,250.00	\$37,500.00		
606.413	SINGLE SLOPE CONCRETE MEDIUM BARRIER, PRECAST	LF	560.00	\$90.00	\$50,400.00	\$100.00	\$56,000.00		
606.41351	54" SINGLE SLOPE CONCRETE BARRIER, SINGLE-FACED, PRECAST	LF	360.00	\$150.00	\$54,000.00	\$130.00	\$46,800.00		
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	960.00	\$29.00	\$28,420.00	\$25.00	\$24,500.00		
606.9512	TEMP. IMPACT ATTENUATION DEVICE (REDIRECTIVE), TEST LEVEL 2	U	2.00	\$4,500.00	\$9,000.00	\$4,000.00	\$8,000.00		
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	2.00	\$2,500.00	\$5,000.00	\$4,500.00	\$9,000.00		
607.140	WOVEN WIRE FENCE, 4'-0" HIGH	LF	18,270.00	\$5.00	\$91,350.00	\$7.30	\$118,771.00		
607.260	CHAIN LINK FENCE WITH ALUMINUM COATED STEEL FABRIC, 6' HIGH	LF	6,660.00	\$20.00	\$133,200.00	\$21.45	\$142,857.00		
608.24	4" CONCRETE SIDEWALK (F)	SY	12.00	\$50.00	\$600.00	\$45.00	\$540.00		
608.2801	8" CONCRETE SIDEWALK	SY	430.00	\$65.00	\$27,950.00	\$48.00	\$20,640.00		
608.54	DETECTABLE WARNING DEVICES, CAST IRON	SY	1.80	\$400.00	\$720.00	\$400.00	\$720.00		
609.21	STRAIGHT GRANITE SLOPE CURB	LF	870.00	\$15.00	\$13,050.00	\$16.00	\$13,920.00		
609.23	CURVED GRANITE SLOPE CURB	LF	15.00	\$80.00	\$1,200.00	\$75.00	\$1,125.00		
609.5	RESET GRANITE CURB	LF	6,492.00	\$9.00	\$58,428.00	\$6.75	\$43,821.00		
609.55	RESET GRANITE CURB (BRIDGE)	LF	32.00	\$75.00	\$2,400.00	\$75.00	\$2,400.00		
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	10,800.00	\$6.00	\$64,800.00	\$4.00	\$43,200.00		
611.9514	BOARD INSULATION, 4" THICK	SY	5.00	\$25.00	\$125.00	\$40.00	\$200.00		
614.331	3" STEEL CONDUIT	LF	30.00	\$25.50	\$765.00	\$30.00	\$900.00		
614.523	MOLDED PULL BOX 17"X30"	EA	8.00	\$410.00	\$2,460.00	\$600.00	\$3,600.00		
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	1,025.00	\$12.00	\$12,300.00	\$35.00	\$35,875.00		
615.0101	TRAFFIC SIGN TYPE A	SF	82.50	\$60.00	\$4,950.00	\$110.00	\$9,075.00		
615.01201	TRAFFIC SIGN TYPE A, BREAKAWAY MOUNTS	SF	82.50	\$60.00	\$4,950.00	\$120.00	\$9,900.00		
615.014	RELOCATING TRAFFIC SIGN TYPE A	U	1.00	\$2,500.00	\$2,500.00	\$3,400.00	\$3,400.00		
615.02201	TRAFFIC SIGN TYPE B, BREAKAWAY MOUNTS	SF	24.00	\$118.00	\$2,832.00	\$165.00	\$3,960.00		
615.0301	TRAFFIC SIGN TYPE C	SF	47.00	\$54.00	\$2,538.00	\$67.00	\$3,149.00		
615.03201	TRAFFIC SIGN TYPE C, BREAKAWAY MOUNTS	SF	40.00	\$127.00	\$5,080.00	\$121.00	\$4,840.00		
615.0401	TRAFFIC SIGN TYPE AA	SF	519.00	\$20.00	\$10,380.00	\$35.00	\$18,165.00		
615.0501	TRAFFIC SIGN TYPE BB	SF	45.00	\$17.00	\$765.00	\$18.50	\$832.50		
615.0601	TRAFFIC SIGN TYPE CC	SF	6.75	\$20.00	\$135.00	\$41.00	\$276.75		
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$30,000.00	\$30,000.00	\$25,000.00	\$25,000.00		
616.95	INSTALL TRAFFIC STUDY EQUIPMENT	U	2.00	\$12,000.00	\$24,000.00	\$11,000.00	\$22,000.00		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	397,000.00	\$1.00	\$397,000.00	\$1.00	\$397,000.00		
618.7	FLAGGERS	HR	1,450.00	\$20.00	\$29,000.00	\$22.00	\$31,900.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$550,000.00	\$550,000.00	\$470,000.00	\$470,000.00		
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$3,500.00	\$14,000.00	\$6,000.00	\$24,000.00		
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$4,000.00	\$8,000.00	\$6,000.00	\$12,000.00		

Item No.	Description	Unit	Quantity	PS&E			PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220		
				Unit Price	Total	Unit Price	Total	Unit Price	Total
619.83	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$7,500.00	\$15,000.00	\$40,000.00	\$80,000.00		
621.1	RETROREFLECTIVE MEDIUM BARRIER DELINEATOR	EA	30.00	\$10.00	\$300.00	\$40.00	\$1,200.00		
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	960.00	\$4.00	\$3,840.00	\$4.00	\$3,840.00		
621.31	SINGLE DELINEATOR WITH POST	EA	685.00	\$32.50	\$22,162.50	\$40.00	\$26,800.00		
621.32	DOUBLE DELINEATOR WITH POST	EA	110.00	\$36.50	\$4,015.00	\$45.00	\$4,950.00		
621.33	SINGLE DELINEATOR DOUBLE FACED WITH POST	EA	15.00	\$40.00	\$600.00	\$45.00	\$675.00		
622.1	STEEL WITNESS MARKERS	EA	180.00	\$29.00	\$5,220.00	\$28.00	\$5,040.00		
622.2	CONCRETE BOUNDS	EA	13.00	\$320.00	\$4,160.00	\$750.00	\$9,750.00		
628.2	SAWED BITUMINOUS PAVEMENT	LF	440.00	\$1.25	\$550.00	\$2.50	\$1,100.00		
828.22	SAWED BITUMINOUS PAVEMENT (BRIDGE)	LF	90.00	\$4.00	\$360.00	\$2.00	\$180.00		
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	1,280.00	\$2.00	\$2,520.00	\$0.25	\$315.00		
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	132,500.00	\$0.15	\$19,875.00	\$0.18	\$23,850.00		
632.1104	PERFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE), 4" LINE	LF	26,830.00	\$1.50	\$40,245.00	\$0.72	\$19,317.60		
632.1118	PERFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	28.00	\$10.00	\$280.00	\$6.00	\$168.00		
632.1304	BLACKOUT PAVEMENT MARKING TAPE, TYPE I (REMOVABLE), 4" LINE	LF	940.00	\$2.25	\$2,115.00	\$3.00	\$2,820.00		
632.3104	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 4" LINE	LF	1,550.00	\$1.00	\$1,550.00	\$1.50	\$2,325.00		
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	32.00	\$11.00	\$352.00	\$10.00	\$320.00		
632.71206	GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 6" LINE	LF	131,550.00	\$1.20	\$157,860.00	\$1.26	\$165,753.00		
632.71208	GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 8" LINE	LF	25.00	\$4.00	\$100.00	\$2.50	\$62.50		
632.71212	GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 12" LINE	LF	6,830.00	\$2.50	\$17,075.00	\$2.50	\$17,075.00		
632.911	EROSION STONE	LF	500.00	\$2.00	\$1,000.00	\$0.75	\$375.00		
645.3	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	TON	905.00	\$25.00	\$22,625.00	\$28.50	\$25,792.50		
645.44	TEMPORARY SLOPE STABILIZATION TYPE D (WILD/LIFE FRIENDLY)	SY	37,300.00	\$1.60	\$59,680.00	\$2.35	\$87,655.00		
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	7,800.00	\$4.00	\$31,200.00	\$4.50	\$35,100.00		
645.531	SILT FENCE	LF	10,000.00	\$3.10	\$31,000.00	\$2.50	\$25,000.00		
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$7,000.00	\$7,000.00	\$4,000.00	\$4,000.00		
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	1,200.00	\$45.00	\$54,000.00	\$60.00	\$72,000.00		
646.4	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	A	20.00	\$12,500.00	\$250,000.00	\$13,750.00	\$275,000.00		
670.104	TEMPORARY PORTABLE LIGHTING	U	4.00	\$2,000.00	\$8,000.00	\$5,200.00	\$20,800.00		
670.211	DEBRIS NETTING	SF	8,600.00	\$8.00	\$68,800.00	\$3.75	\$32,250.00		
677.0001	CONCRETE WORK PAD	U	2.00	\$500.00	\$1,000.00	\$2,286.96	\$4,573.92		
677.1201	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN (DMS)	U	1.00	\$64,500.00	\$64,500.00	\$90,000.00	\$90,000.00		
677.1202	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN (DMS)	U	1.00	\$64,500.00	\$64,500.00	\$90,000.00	\$90,000.00		
677.4411	WEIGH STATION OPEN/CLOSED LED SIGN SYSTEM	U	1.00	\$45,000.00	\$45,000.00	\$40,400.00	\$40,400.00		
677.4412	WEIGH STATION OPEN/CLOSED LED SIGN SYSTEM	U	1.00	\$45,000.00	\$45,000.00	\$40,400.00	\$40,400.00		
677.54201	POLE MOUNTED ITS EQUIPMENT CABINET	U	1.00	\$12,000.00	\$12,000.00	\$12,000.00	\$12,000.00		
677.54202	POLE MOUNTED ITS EQUIPMENT CABINET	U	1.00	\$12,000.00	\$12,000.00	\$12,000.00	\$12,000.00		
677.5811	100 MBPS ETHERNET SWITCH	EA	2.00	\$2,500.00	\$5,000.00	\$4,500.00	\$9,000.00		

Item No.	Description	Unit	Quantity	PS&E		PINE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220	
				Unit Price	Total	Unit Price	Total
677.6301	METER AND DISCONNECT PEDESTAL	U	1.00	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00
677.6302	METER AND DISCONNECT PEDESTAL	U	1.00	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00
677.64	UNINTERRUPTIBLE POWER SUPPLY (UPS)	EA	2.00	\$3,500.00	\$7,000.00	\$4,500.00	\$9,000.00
677.9108	1-CONDUCTOR #8 AWG WIRE	LF	1,075.00	\$4.00	\$4,300.00	\$1.00	\$1,075.00
677.9302	3-CONDUCTOR #2 AWG CABLE	LF	1,200.00	\$8.40	\$10,080.00	\$7.00	\$8,400.00
678.201	IMPACT ATTENUATOR FOUNDATION PAD	U	4.00	\$3,810.00	\$15,240.00	\$5,000.00	\$20,000.00
678.233	LOW MAINTENANCE/SELF-RESTORING IMPACT ATTENUATION DEVICE, TL 3	U	4.00	\$33,000.00	\$132,000.00	\$32,470.00	\$129,860.00
682.	MOBILIZATION	U	1.00	\$800,000.00	\$800,000.00	\$983,000.00	\$983,000.00
693.	ON-THE-JOB TRAINING OF UNSKILLED WORKERS	\$	1,200.00	\$1.00	\$1,200.00	\$1.00	\$1,200.00
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$1,500.00	\$1,500.00	\$700.00	\$700.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00
698.13	FIELD OFFICE TYPE C	MON	21.00	\$1,500.00	\$31,500.00	\$2,000.00	\$42,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	60,000.00	\$1.00	\$60,000.00	\$1.00	\$60,000.00
1010.15	FUEL ADJUSTMENT	\$	100,000.00	\$1.00	\$100,000.00	\$1.00	\$100,000.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	75,000.00	\$1.00	\$75,000.00	\$1.00	\$75,000.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	209,000.00	\$1.00	\$209,000.00	\$1.00	\$209,000.00
Totals:				\$13,365,063.00	\$13,365,063.00	\$14,991,914.27	\$14,991,914.27

Totals:	\$13,365,063.00	\$14,991,914.27
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# PS&E Comparison

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
201.01	CLEARING (F)	A	1.25	\$6,500.00	\$8,125.00	\$13,000.00	\$16,250.00	(\$8,125.00)
201.1	CLEARING AND GRUBBING (F)	A	3.00	\$6,100.00	\$18,300.00	\$5,500.00	\$16,500.00	\$1,800.00
201.6	CLEARING FOR FENCE LINES (F)	A	1.20	\$35,000.00	\$42,000.00	\$5,000.00	\$6,000.00	\$36,000.00
201.7	SELECTIVE CLEARING AND THINNING (F)	A	2.10	\$6,500.00	\$13,650.00	\$6,500.00	\$13,650.00	\$0.00
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	6,500.00	\$2.00	\$13,000.00	\$1.25	\$8,125.00	\$4,875.00
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	600.00	\$10.00	\$6,000.00	\$1.25	\$750.00	\$5,250.00
202.31	FILL ABANDONED PIPE	CY	220.00	\$350.00	\$77,000.00	\$140.00	\$30,800.00	\$46,200.00
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	40.00	\$33.00	\$1,320.00	\$16.00	\$640.00	\$680.00
202.7	REMOVAL OF GUARDRAIL	LF	55,330.00	\$1.50	\$82,995.00	\$1.50	\$82,995.00	\$0.00
202.74	REMOVAL OF CONCRETE BARRIER	LF	320.00	\$6.50	\$2,080.00	\$10.00	\$3,200.00	(\$1,120.00)
203.11	COMMON EXCAVATION - LRS	CY	90.00	\$47.00	\$4,230.00	\$10.00	\$900.00	\$3,330.00
203.2	ROCK EXCAVATION	CY	50.00	\$58.00	\$2,900.00	\$23.00	\$1,150.00	\$1,750.00
203.55543	GUARDRAIL EAGRT OFFSET PLATFORM, TL 3	U	26.00	\$1,300.00	\$33,800.00	\$1,200.00	\$31,200.00	\$2,600.00
203.601	EMBANKMENT-IN-PLACE	CY	600.00	\$25.00	\$15,000.00	\$15.00	\$9,000.00	\$6,000.00
203.91	ROCK SCALING - HAND METHOD	HR	120.00	\$230.00	\$27,600.00	\$220.00	\$26,400.00	\$1,200.00

**Items**

203.92	ROCK SCALING - MACHINE METHOD	HR	30.00	\$550.00	\$16,500.00	\$400.00	\$12,000.00	\$4,500.00
206.1	COMMON STRUCTURE EXCAVATION	CY	1,830.00	\$21.00	\$38,430.00	\$25.00	\$45,750.00	(\$7,320.00)
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	30.00	\$100.00	\$3,000.00	\$45.00	\$1,350.00	\$1,650.00
206.2	ROCK STRUCTURE EXCAVATION	CY	90.00	\$90.00	\$8,100.00	\$75.00	\$6,750.00	\$1,350.00
304.1	SAND (F)	CY	200.00	\$38.00	\$7,600.00	\$50.00	\$10,000.00	(\$2,400.00)
304.301	CRUSHED GRAVEL	CY	489.00	\$45.00	\$22,005.00	\$50.00	\$24,450.00	(\$2,445.00)
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	2,750.00	\$35.00	\$96,250.00	\$20.00	\$55,000.00	\$41,250.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	40.00	\$500.00	\$20,000.00	\$175.00	\$7,000.00	\$13,000.00
403.11001	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 1)	TON	20,600.00	\$78.00	\$1,606,800.00	\$70.00	\$1,442,000.00	\$164,800.00
403.11901	HBP - MACHINE METHOD, HIGH STRENGTH (QC/QA TIER 1)	TON	33,000.00	\$70.00	\$2,310,000.00	\$75.00	\$2,475,000.00	(\$165,000.00)
403.11902	HBP - MACHINE METHOD, HIGH STRENGTH (QC/QA TIER 2)	TON	1,370.00	\$76.00	\$104,120.00	\$78.00	\$106,860.00	(\$2,740.00)
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	1,295.00	\$135.00	\$174,825.00	\$107.00	\$138,565.00	\$36,260.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	55,900.00	\$2.30	\$128,570.00	\$1.50	\$83,850.00	\$44,720.00
403.6	PAVEMENT JOINT ADHESIVE	LF	329,600.00	\$0.23	\$75,808.00	\$0.28	\$92,288.00	(\$16,480.00)
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	1,050.00	\$0.23	\$241.50	\$2.50	\$2,625.00	(\$2,383.50)
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	37.30	\$350.00	\$13,055.00	\$200.00	\$7,460.00	\$5,595.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	36,000.00	\$3.30	\$118,800.00	\$4.00	\$144,000.00	(\$25,200.00)
411.1	HOT BITUMINOUS CONCRETE LEVELING COURSE	TON	500.00	\$100.00	\$50,000.00	\$75.00	\$37,500.00	\$12,500.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	239,300.00	\$2.50	\$598,250.00	\$1.50	\$358,950.00	\$239,300.00
417.416	RUMBLE STRIPS, 16" WIDE	LF	96,600.00	\$0.23	\$22,218.00	\$0.30	\$28,980.00	(\$6,762.00)
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$65,000.00	\$65,000.00	\$25,000.00	\$25,000.00	\$40,000.00
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$65,000.00	\$65,000.00	\$25,000.00	\$25,000.00	\$40,000.00

502.103	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$80,000.00	\$80,000.00	\$70,000.00	\$70,000.00	\$10,000.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$73,000.00	\$73,000.00	\$2,000.00	\$2,000.00	\$71,000.00
503.102	WATER DIVERSION STRUCTURE	U	1.00	\$25,500.00	\$25,500.00	\$2,000.00	\$2,000.00	\$23,500.00
503.103	WATER DIVERSION STRUCTURE	U	1.00	\$16,750.00	\$16,750.00	\$2,000.00	\$2,000.00	\$14,750.00
503.104	WATER DIVERSION STRUCTURE	U	1.00	\$3,700.00	\$3,700.00	\$2,000.00	\$2,000.00	\$1,700.00
503.105	WATER DIVERSION STRUCTURE	U	1.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00	(\$500.00)
503.106	WATER DIVERSION STRUCTURE	U	1.00	\$3,000.00	\$3,000.00	\$2,000.00	\$2,000.00	\$1,000.00
503.107	WATER DIVERSION STRUCTURE	U	1.00	\$3,750.00	\$3,750.00	\$2,000.00	\$2,000.00	\$1,750.00
503.108	WATER DIVERSION STRUCTURE	U	1.00	\$7,600.00	\$7,600.00	\$2,000.00	\$2,000.00	\$5,600.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	19.00	\$50.00	\$950.00	\$50.00	\$950.00	\$0.00
511.00	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	653.00	\$15.00	\$9,795.00	\$15.00	\$9,795.00	\$0.00
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	55.00	\$350.00	\$19,250.00	\$300.00	\$16,500.00	\$2,750.00
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	10.00	\$750.00	\$7,500.00	\$750.00	\$7,500.00	\$0.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	260.00	\$350.00	\$91,000.00	\$600.00	\$156,000.00	(\$65,000.00)
520.01	CONCRETE CLASS AA	CY	6.00	\$1,500.00	\$9,000.00	\$1,000.00	\$6,000.00	\$3,000.00
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	51.80	\$1,500.00	\$77,700.00	\$1,250.00	\$64,750.00	\$12,950.00
529.8306	PRECAST CONCRETE SPECIAL HEADWALL, 6" PIPE	U	4.00	\$915.00	\$3,660.00	\$375.00	\$1,500.00	\$2,160.00
529.8312	PRECAST CONCRETE SPECIAL HEADWALL, 12" PIPE	U	4.00	\$1,860.00	\$7,440.00	\$675.00	\$2,700.00	\$4,740.00
529.8315	PRECAST CONCRETE SPECIAL HEADWALL, 15" PIPE	U	4.00	\$2,560.00	\$10,240.00	\$900.00	\$3,600.00	\$6,640.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	107.00	\$100.00	\$10,700.00	\$85.00	\$9,095.00	\$1,605.00
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	28.00	\$50.00	\$1,400.00	\$45.00	\$1,260.00	\$140.00
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	653.00	\$25.00	\$16,325.00	\$25.00	\$16,325.00	\$0.00

541.5	PVC WATERSTOPS, NH TYPE 5 (F)	LF	98.00	\$10.00	\$980.00	\$10.00	\$980.00	\$10.00	\$980.00	\$0.00
544.201	REINFORCING STEEL - EPOXY COATED	LB	1,339.00	\$2.50	\$3,347.50	\$3.50	\$4,686.50	\$3.50	\$4,686.50	(\$1,339.00)
544.2101	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS	LB	119.00	\$5.00	\$595.00	\$5.00	\$595.00	\$5.00	\$595.00	\$0.00
550.191	TEMPORARY GIRDER SUPPORT SYSTEM	U	2.00	\$12,500.00	\$25,000.00	\$25,000.00	\$50,000.00	\$25,000.00	\$50,000.00	(\$25,000.00)
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	110.00	\$124.00	\$13,640.00	\$95.00	\$10,450.00	\$95.00	\$10,450.00	\$3,190.00
559.6301	PRE-COMPRESSED SILICONE-FACED FOAM EXPANSION JOINT SYSTEM (F)	LF	63.00	\$150.00	\$9,450.00	\$200.00	\$12,600.00	\$200.00	\$12,600.00	(\$3,150.00)
559.6302	PRE-COMPRESSED SILICONE-FACED FOAM EXPANSION JOINT SYSTEM (F)	LF	63.00	\$350.00	\$22,050.00	\$200.00	\$12,600.00	\$200.00	\$12,600.00	\$9,450.00
559.6303	PRE-COMPRESSED SILICONE-FACED FOAM EXPANSION JOINT SYSTEM (F)	LF	63.00	\$150.00	\$9,450.00	\$300.00	\$18,900.00	\$300.00	\$18,900.00	(\$9,450.00)
559.6304	PRE-COMPRESSED SILICONE-FACED FOAM EXPANSION JOINT SYSTEM (F)	LF	63.00	\$150.00	\$9,450.00	\$200.00	\$12,600.00	\$200.00	\$12,600.00	(\$3,150.00)
559.6305	PRE-COMPRESSED SILICONE-FACED FOAM EXPANSION JOINT SYSTEM (F)	LF	63.00	\$350.00	\$22,050.00	\$200.00	\$12,600.00	\$200.00	\$12,600.00	\$9,450.00
559.6306	PRE-COMPRESSED SILICONE-FACED FOAM EXPANSION JOINT SYSTEM (F)	LF	63.00	\$150.00	\$9,450.00	\$300.00	\$18,900.00	\$300.00	\$18,900.00	(\$9,450.00)
561.1201	PREFABRICATED STRIP SEAL EXPANSION JOINT W/ PLOW PLATES (F)	LF	49.00	\$850.00	\$41,650.00	\$1,100.00	\$53,900.00	\$1,100.00	\$53,900.00	(\$12,250.00)
561.1202	PREFABRICATED STRIP SEAL EXPANSION JOINT W/ PLOW PLATES (F)	LF	49.00	\$850.00	\$41,650.00	\$1,100.00	\$53,900.00	\$1,100.00	\$53,900.00	(\$12,250.00)
562.1	SILICONE JOINT SEALANT (F)	LF	85.00	\$25.00	\$2,125.00	\$15.00	\$1,275.00	\$15.00	\$1,275.00	\$850.00
563.8	RESETTING BRIDGE RAIL	LF	4.00	\$985.00	\$3,940.00	\$800.00	\$3,200.00	\$800.00	\$3,200.00	\$740.00
563.973	SNOW SCREENING FOR OVERPASS STRUCTURES RAIL F	LF	54.00	\$59.50	\$3,213.00	\$75.00	\$4,050.00	\$75.00	\$4,050.00	(\$837.00)
565.802	ADJUSTING BRIDGE APPROACH RAIL	U	4.00	\$250.00	\$1,000.00	\$325.00	\$1,300.00	\$325.00	\$1,300.00	(\$300.00)
565.919	BRIDGE APPROACH RAIL, THRIE BEAM TRANSITION (STEEL POSTS) (MODIFIED)	U	8.00	\$2,250.00	\$18,000.00	\$4,500.00	\$36,000.00	\$4,500.00	\$36,000.00	(\$18,000.00)
570.401	MORTAR RUBBLE MASONRY	CY	170.00	\$470.00	\$79,900.00	\$550.00	\$93,500.00	\$550.00	\$93,500.00	(\$13,600.00)
570.93	RECONSTRUCTING MRM HEADALL	CY	110.00	\$470.00	\$51,700.00	\$350.00	\$38,500.00	\$350.00	\$38,500.00	\$13,200.00
585.2	STONE FILL, CLASS B	CY	650.00	\$63.50	\$41,275.00	\$40.00	\$26,000.00	\$40.00	\$26,000.00	\$15,275.00
585.3	STONE FILL, CLASS C	CY	210.00	\$46.50	\$9,765.00	\$45.00	\$9,450.00	\$45.00	\$9,450.00	\$315.00

585.4	STONE FILL, CLASS D	CY	20.00	\$54.00	\$1,080.00	\$50.00	\$1,000.00	\$80.00
593.121	GEOTEXTILE; SUBSUR DRAIN CL.2, NON-WOVEN	SY	180.00	\$3.50	\$630.00	\$1.00	\$180.00	\$450.00
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	2,400.00	\$2.00	\$4,800.00	\$3.00	\$7,200.00	(\$2,400.00)
602.63515	UV CURED-IN-PLACE LINER FOR 15" PIPE	LF	1,970.00	\$157.50	\$310,275.00	\$175.00	\$344,750.00	(\$34,475.00)
602.63518	UV CURED-IN-PLACE LINER FOR 18" PIPE	LF	70.00	\$232.00	\$16,240.00	\$200.00	\$14,000.00	\$2,240.00
602.63524	UV CURED-IN-PLACE LINER FOR 24" PIPE	LF	790.00	\$236.00	\$186,440.00	\$225.00	\$177,750.00	\$8,690.00
602.63536	UV CURED-IN-PLACE LINER FOR 36" PIPE	LF	260.00	\$288.00	\$74,880.00	\$250.00	\$65,000.00	\$9,880.00
602.63548	UV CURED-IN-PLACE LINER FOR 48" PIPE	LF	190.00	\$440.00	\$83,600.00	\$300.00	\$57,000.00	\$26,600.00
603.0001	VIDEO INSPECTION	LF	9,750.00	\$1.40	\$13,650.00	\$1.00	\$9,750.00	\$3,900.00
603.00215	15" R.C. PIPE, 2000D	LF	45.00	\$192.00	\$8,640.00	\$45.00	\$2,025.00	\$6,615.00
603.00224	24" R.C. PIPE, 2000D	LF	130.00	\$235.00	\$30,550.00	\$60.00	\$7,800.00	\$22,750.00
603.00342	42" R.C. PIPE, 3000D	LF	10.00	\$590.00	\$5,900.00	\$100.00	\$1,000.00	\$4,900.00
603.33212	12" CORR. POLYETHYLENE END SECTION	EA	40.00	\$195.00	\$7,800.00	\$300.00	\$12,000.00	(\$4,200.00)
603.34142	42" STEEL END SECTIONS	EA	1.00	\$2,100.00	\$2,100.00	\$900.00	\$900.00	\$1,200.00
603.44212	12" CORR. POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	1,350.00	\$63.25	\$85,387.50	\$40.00	\$54,000.00	\$31,387.50
603.44215	15" CORR. POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	70.00	\$85.00	\$5,950.00	\$45.00	\$3,150.00	\$2,800.00
603.60015	LAYING/RELAYING 15" DRAINAGE PIPE	LF	20.00	\$177.00	\$3,540.00	\$35.00	\$700.00	\$2,840.00
603.60024	LAYING/RELAYING 24" DRAINAGE PIPE	LF	30.00	\$225.00	\$6,750.00	\$45.00	\$1,350.00	\$5,400.00
603.60066	LAYING/RELAYING 66" DRAINAGE PIPE	LF	140.00	\$435.00	\$60,900.00	\$200.00	\$28,000.00	\$32,900.00
603.82212	12" PE PIPE (TYPE S)	LF	220.00	\$58.50	\$12,870.00	\$30.00	\$6,600.00	\$6,270.00
603.82215	15" PE PIPE (TYPE S)	LF	530.00	\$61.50	\$32,595.00	\$45.00	\$23,850.00	\$8,745.00
604.0007	POLYETHYLENE LINER	EA	55.00	\$170.00	\$9,350.00	\$160.00	\$8,800.00	\$550.00
604.124	CATCH BASINS TYPE B, 4-FOOT DIAMETER	U	10.00	\$2,250.00	\$22,500.00	\$2,300.00	\$23,000.00	(\$500.00)



604.242	DROP INLETS TYPE D-B	U	45.00	\$1,700.00	\$76,500.00	\$1,500.00	\$67,500.00	\$9,000.00
604.245	DROP INLETS TYPE D-E	U	1.00	\$2,100.00	\$2,100.00	\$1,500.00	\$1,500.00	\$600.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	452.00	\$350.00	\$158,200.00	\$420.00	\$189,840.00	(\$31,640.00)
604.51	RECONSTRUCTING/ADJUSTING SEWER MANHOLES	LF	5.00	\$350.00	\$1,750.00	\$575.00	\$2,875.00	(\$1,125.00)
604.52	RECONSTRUCTING/ADJUSTING DRAINAGE MANHOLES	LF	2.00	\$350.00	\$700.00	\$420.00	\$840.00	(\$140.00)
604.72	GRATES & FRAMES, TYPE B	EA	110.00	\$440.00	\$48,400.00	\$475.00	\$52,250.00	(\$3,850.00)
605.506	6" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	17,380.00	\$29.00	\$504,020.00	\$16.00	\$278,080.00	\$225,940.00
605.512	12" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	5,910.00	\$39.50	\$233,445.00	\$21.00	\$124,110.00	\$109,335.00
605.515	15" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	2,600.00	\$50.65	\$131,690.00	\$26.00	\$67,600.00	\$64,090.00
605.518	18" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	340.00	\$73.15	\$24,871.00	\$30.00	\$10,200.00	\$14,671.00
605.524	24" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	900.00	\$80.00	\$72,000.00	\$44.00	\$39,600.00	\$32,400.00
605.79	UNDERDRAIN FLUSHING BASINS	EA	70.00	\$400.00	\$28,000.00	\$300.00	\$21,000.00	\$7,000.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	25.00	\$2,100.00	\$52,500.00	\$2,000.00	\$50,000.00	\$2,500.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	29.00	\$525.00	\$15,225.00	\$500.00	\$14,500.00	\$725.00
606.1296	BEAM GUARDRAIL (TERMINAL UNIT TYPE E-2) (STEEL POST)	LF	302.00	\$25.00	\$7,550.00	\$28.00	\$8,456.00	(\$906.00)
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	41,450.00	\$16.60	\$688,070.00	\$15.00	\$621,750.00	\$66,320.00
606.21203	DOUBLE-FACED BEAM GUARDRAIL (THREE BEAM) (STEEL POST)	LF	4,825.00	\$47.00	\$226,775.00	\$31.00	\$149,575.00	\$77,200.00
606.28001	31" DOUBLE FACED W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	11,175.00	\$23.00	\$257,025.00	\$22.00	\$245,850.00	\$11,175.00
606.312	SINGLE FACED TRANSITION RAIL, STEEL POST	U	21.00	\$2,967.00	\$62,307.00	\$2,750.00	\$57,750.00	\$4,557.00
606.322	DOUBLE FACED TRANSITION RAIL, STEEL POST	U	1.00	\$4,536.00	\$4,536.00	\$4,030.00	\$4,030.00	\$506.00
606.34201	SINGLE FACED ASYMMETRICAL TRANSITION RAIL, LEFT (STEEL POST)	U	1.00	\$750.00	\$750.00	\$1,000.00	\$1,000.00	(\$250.00)

606.34202	SINGLE FACED ASYMMETRICAL TRANSITION RAIL, RIGHT (STEEL POST)	U	1.00	\$750.00	\$750.00	\$1,000.00	\$1,000.00	\$1,000.00	(\$250.00)
606.41231	TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	U	16.00	\$3,500.00	\$56,000.00	\$2,500.00	\$40,000.00	\$40,000.00	\$16,000.00
606.41252	54" SINGLE SLOPE CONCRETE BARRIER (PRECAST) TRANSITION TO BEAM GUARDRAIL	U	6.00	\$6,250.00	\$37,500.00	\$6,500.00	\$39,000.00	\$39,000.00	(\$1,500.00)
606.413	SINGLE SLOPE CONCRETE MEDIAN BARRIER, PRECAST	LF	560.00	\$100.00	\$56,000.00	\$90.00	\$50,400.00	\$50,400.00	\$5,600.00
606.41351	54" SINGLE SLOPE CONCRETE BARRIER, SINGLE-FACED, PRECAST	LF	360.00	\$130.00	\$46,800.00	\$150.00	\$54,000.00	\$54,000.00	(\$7,200.00)
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	980.00	\$25.00	\$24,500.00	\$29.00	\$28,420.00	\$28,420.00	(\$3,920.00)
606.9512	TEMP. IMPACT ATTENUATION DEVICE (REDIRECTIVE), TEST LEVEL 2	U	2.00	\$4,000.00	\$8,000.00	\$4,500.00	\$9,000.00	\$9,000.00	(\$1,000.00)
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	2.00	\$4,500.00	\$9,000.00	\$2,500.00	\$5,000.00	\$5,000.00	\$4,000.00
607.140	WOVEN WIRE FENCE, 4'-0" HIGH	LF	16,270.00	\$7.30	\$118,771.00	\$5.00	\$81,350.00	\$81,350.00	\$37,421.00
607.260	CHAIN LINK FENCE WITH ALUMINUM COATED STEEL FABRIC, 6' HIGH	LF	6,660.00	\$21.45	\$142,857.00	\$20.00	\$133,200.00	\$133,200.00	\$9,657.00
608.24	4" CONCRETE SIDEWALK (F)	SY	12.00	\$45.00	\$540.00	\$50.00	\$600.00	\$600.00	(\$60.00)
608.2801	8" CONCRETE SIDEWALK	SY	430.00	\$48.00	\$20,640.00	\$65.00	\$27,950.00	\$27,950.00	(\$7,310.00)
608.54	DETECTABLE WARNING DEVICES, CAST IRON	SY	1.80	\$400.00	\$720.00	\$400.00	\$720.00	\$720.00	\$0.00
609.21	STRAIGHT GRANITE SLOPE CURB	LF	870.00	\$16.00	\$13,920.00	\$15.00	\$13,050.00	\$13,050.00	\$870.00
609.23	CURVED GRANITE SLOPE CURB	LF	15.00	\$75.00	\$1,125.00	\$80.00	\$1,200.00	\$1,200.00	(\$75.00)
609.5	RESET GRANITE CURB	LF	6,492.00	\$6.75	\$43,821.00	\$9.00	\$58,428.00	\$58,428.00	(\$14,607.00)
609.55	RESET GRANITE CURB (BRIDGE)	LF	32.00	\$75.00	\$2,400.00	\$75.00	\$2,400.00	\$2,400.00	\$0.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	10,800.00	\$4.00	\$43,200.00	\$6.00	\$64,800.00	\$64,800.00	(\$21,600.00)
611.9514	BOARD INSULATION, 4" THICK	SY	5.00	\$40.00	\$200.00	\$25.00	\$125.00	\$125.00	\$75.00
614.331	3" STEEL CONDUIT	LF	30.00	\$30.00	\$900.00	\$25.50	\$765.00	\$765.00	\$135.00
614.523	MOLDED PULL BOX 17"X30"	EA	6.00	\$600.00	\$3,600.00	\$410.00	\$2,460.00	\$2,460.00	\$1,140.00
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	1,025.00	\$35.00	\$35,875.00	\$12.00	\$12,300.00	\$12,300.00	\$23,575.00

615.0101	TRAFFIC SIGN TYPE A	SF	82.50	\$110.00	\$9,075.00	\$60.00	\$4,950.00	\$4,125.00
615.01201	TRAFFIC SIGN TYPE A, BREAKAWAY MOUNTS	SF	82.50	\$120.00	\$9,900.00	\$60.00	\$4,950.00	\$4,950.00
615.014	RELOCATING TRAFFIC SIGN TYPE A	U	1.00	\$3,400.00	\$3,400.00	\$2,500.00	\$2,500.00	\$900.00
615.02201	TRAFFIC SIGN TYPE B, BREAKAWAY MOUNTS	SF	24.00	\$165.00	\$3,960.00	\$118.00	\$2,832.00	\$1,128.00
615.0301	TRAFFIC SIGN TYPE C	SF	47.00	\$67.00	\$3,149.00	\$54.00	\$2,538.00	\$611.00
615.03201	TRAFFIC SIGN TYPE C, BREAKAWAY MOUNTS	SF	40.00	\$121.00	\$4,840.00	\$127.00	\$5,080.00	(\$240.00)
615.0401	TRAFFIC SIGN TYPE AA	SF	519.00	\$35.00	\$18,165.00	\$20.00	\$10,380.00	\$7,785.00
615.0501	TRAFFIC SIGN TYPE BB	SF	45.00	\$18.50	\$832.50	\$17.00	\$765.00	\$67.50
615.0601	TRAFFIC SIGN TYPE CC	SF	6.75	\$41.00	\$276.75	\$20.00	\$135.00	\$141.75
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$25,000.00	\$25,000.00	\$30,000.00	\$30,000.00	(\$5,000.00)
616.95	INSTALL TRAFFIC STUDY EQUIPMENT	U	2.00	\$11,000.00	\$22,000.00	\$12,000.00	\$24,000.00	(\$2,000.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	397,000.00	\$1.00	\$397,000.00	\$1.00	\$397,000.00	\$0.00
618.7	FLAGGERS	HR	1,450.00	\$22.00	\$31,900.00	\$20.00	\$29,000.00	\$2,900.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$470,000.00	\$470,000.00	\$550,000.00	\$550,000.00	(\$80,000.00)
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$6,000.00	\$24,000.00	\$3,500.00	\$14,000.00	\$10,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$6,000.00	\$12,000.00	\$4,000.00	\$8,000.00	\$4,000.00
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$40,000.00	\$80,000.00	\$7,500.00	\$15,000.00	\$65,000.00
621.1	RETROREFLECTIVE MEDIAN BARRIER DELINEATOR	EA	30.00	\$40.00	\$1,200.00	\$10.00	\$300.00	\$900.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	960.00	\$4.00	\$3,840.00	\$4.00	\$3,840.00	\$0.00
621.31	SINGLE DELINEATOR WITH POST	EA	665.00	\$40.00	\$26,600.00	\$32.50	\$21,612.50	\$4,987.50
621.32	DOUBLE DELINEATOR WITH POST	EA	110.00	\$45.00	\$4,950.00	\$36.50	\$4,015.00	\$935.00
621.33	SINGLE DELINEATOR DOUBLE FACED WITH POST	EA	15.00	\$45.00	\$675.00	\$40.00	\$600.00	\$75.00
622.1	STEEL WITNESS MARKERS	EA	180.00	\$28.00	\$5,040.00	\$29.00	\$5,220.00	(\$180.00)

622.2	CONCRETE BOUNDS	EA	13.00	\$750.00	\$9,750.00	\$320.00	\$4,160.00	\$5,590.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	440.00	\$2.50	\$1,100.00	\$1.25	\$550.00	\$550.00
628.22	SAWED BITUMINOUS PAVEMENT (BRIDGE)	LF	90.00	\$2.00	\$180.00	\$4.00	\$360.00	(\$180.00)
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	1,260.00	\$0.25	\$315.00	\$2.00	\$2,520.00	(\$2,205.00)
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	132,500.00	\$0.18	\$23,850.00	\$0.15	\$19,875.00	\$3,975.00
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	26,830.00	\$0.72	\$19,317.60	\$1.50	\$40,245.00	(\$20,927.40)
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	28.00	\$6.00	\$168.00	\$10.00	\$280.00	(\$112.00)
632.1304	BLACKOUT PAVEMENT MARKING TAPE, TYPE I (REMOVABLE), 4" LINE	LF	940.00	\$3.00	\$2,820.00	\$2.25	\$2,115.00	\$705.00
632.3104	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 4" LINE	LF	1,550.00	\$1.50	\$2,325.00	\$1.00	\$1,550.00	\$775.00
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	32.00	\$10.00	\$320.00	\$11.00	\$352.00	(\$32.00)
632.71206	GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 6" LINE	LF	131,550.00	\$1.26	\$165,753.00	\$1.20	\$157,860.00	\$7,893.00
632.71208	GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 8" LINE	LF	25.00	\$2.50	\$62.50	\$4.00	\$100.00	(\$37.50)
632.71212	GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 12" LINE	LF	6,830.00	\$2.50	\$17,075.00	\$2.50	\$17,075.00	\$0.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	500.00	\$0.75	\$375.00	\$2.00	\$1,000.00	(\$625.00)
645.3	EROSION STONE	TON	905.00	\$28.50	\$25,792.50	\$25.00	\$22,625.00	\$3,167.50
645.44	TEMPORARY SLOPE STABILIZATION TYPE D (WILDLIFE FRIENDLY)	SY	37,300.00	\$2.35	\$87,655.00	\$1.60	\$59,680.00	\$27,975.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	7,800.00	\$4.50	\$35,100.00	\$4.00	\$31,200.00	\$3,900.00
645.531	SILT FENCE	LF	10,000.00	\$2.50	\$25,000.00	\$3.10	\$31,000.00	(\$6,000.00)
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$4,000.00	\$4,000.00	\$7,000.00	\$7,000.00	(\$3,000.00)
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	1,200.00	\$60.00	\$72,000.00	\$45.00	\$54,000.00	\$18,000.00
646.4	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	A	20.00	\$13,750.00	\$275,000.00	\$12,500.00	\$250,000.00	\$25,000.00

670.104	TEMPORARY PORTABLE LIGHTING	U		4.00	\$5,200.00	\$20,800.00	\$2,000.00	\$8,000.00	\$12,800.00
670.211	DEBRIS NETTING	SF	8,600.00		\$3.75	\$32,250.00	\$8.00	\$68,800.00	(\$36,550.00)
677.0001	CONCRETE WORK PAD	U	2.00		\$2,286.96	\$4,573.92	\$500.00	\$1,000.00	\$3,573.92
677.1201	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN (DMS)	U	1.00		\$90,000.00	\$90,000.00	\$64,500.00	\$64,500.00	\$25,500.00
677.1202	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN (DMS)	U	1.00		\$90,000.00	\$90,000.00	\$64,500.00	\$64,500.00	\$25,500.00
677.4411	WEIGH STATION OPEN/CLOSED LED SIGN SYSTEM	U	1.00		\$40,400.00	\$40,400.00	\$45,000.00	\$45,000.00	(\$4,600.00)
677.4412	WEIGH STATION OPEN/CLOSED LED SIGN SYSTEM	U	1.00		\$40,400.00	\$40,400.00	\$45,000.00	\$45,000.00	(\$4,600.00)
677.54201	POLE MOUNTED ITS EQUIPMENT CABINET	U	1.00		\$12,000.00	\$12,000.00	\$12,000.00	\$12,000.00	\$0.00
677.54202	POLE MOUNTED ITS EQUIPMENT CABINET	U	1.00		\$12,000.00	\$12,000.00	\$12,000.00	\$12,000.00	\$0.00
677.5811	100 MBPS ETHERNET SWITCH	EA	2.00		\$4,500.00	\$9,000.00	\$2,500.00	\$5,000.00	\$4,000.00
677.6301	METER AND DISCONNECT PEDESTAL	U	1.00		\$5,500.00	\$5,500.00	\$5,000.00	\$5,000.00	\$500.00
677.6302	METER AND DISCONNECT PEDESTAL	U	1.00		\$5,500.00	\$5,500.00	\$5,000.00	\$5,000.00	\$500.00
677.64	UNINTERRUPTABLE POWER SUPPLY (UPS)	EA	2.00		\$4,500.00	\$9,000.00	\$3,500.00	\$7,000.00	\$2,000.00
677.9108	1-CONDUCTOR #8 AWG WIRE	LF	1,075.00		\$1.00	\$1,075.00	\$4.00	\$4,300.00	(\$3,225.00)
677.9302	3-CONDUCTOR #2 AWG CABLE	LF	1,200.00		\$7.00	\$8,400.00	\$8.40	\$10,080.00	(\$1,680.00)
678.201	IMPACT ATTENUATOR FOUNDATION PAD	U	4.00		\$5,000.00	\$20,000.00	\$3,810.00	\$15,240.00	\$4,760.00
678.233	LOW MAINTENANCE/SELF-RESTORING IMPACT ATTENUATION DEVICE, TL 3	U	4.00		\$32,470.00	\$129,880.00	\$33,000.00	\$132,000.00	(\$2,120.00)
692.	MOBILIZATION	U	1.00		\$983,000.00	\$983,000.00	\$800,000.00	\$800,000.00	\$183,000.00
693.	ON-THE-JOB TRAINING OF UNSKILLED WORKERS	\$	1,200.00		\$1.00	\$1,200.00	\$1.00	\$1,200.00	\$0.00
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00		\$700.00	\$700.00	\$1,500.00	\$1,500.00	(\$800.00)
697.31	PROJECT OPERATIONS PLAN	U	1.00		\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00	\$500.00
698.13	FIELD OFFICE TYPE C	MON	21.00		\$2,000.00	\$42,000.00	\$1,500.00	\$31,500.00	\$10,500.00

699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$0.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	60,000.00	\$1.00	\$60,000.00	\$1.00	\$60,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	100,000.00	\$1.00	\$100,000.00	\$1.00	\$100,000.00	\$0.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	75,000.00	\$1.00	\$75,000.00	\$1.00	\$75,000.00	\$0.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	209,000.00	\$1.00	\$209,000.00	\$1.00	\$209,000.00	\$0.00

**Total:** \$14,991,914.27 \$13,365,063.00 \$1,626,851.27

**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. (020-BEL)  
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											
<b>WORKERS COMPENSATION</b>	<input checked="" type="checkbox"/> POLICY TERM	9/1/2018	WA7-C8D-004095-027 WC7-C81-004095-017	COVERAGE AFFORDED UNDER WC LAW OF THE FOLLOWING STATES: -027: All States except OH, ND, WA, WY  -017: WI	<table border="1"> <tr> <th colspan="2">EMPLOYERS LIABILITY</th> </tr> <tr> <td>Bodily Injury by Accident</td> <td>\$1,000,000 Each Accident</td> </tr> <tr> <td>Bodily Injury By Disease</td> <td>\$1,000,000 Policy Limit</td> </tr> <tr> <td>Bodily Injury By Disease</td> <td>\$1,000,000 Each Person</td> </tr> </table>	EMPLOYERS LIABILITY		Bodily Injury by Accident	\$1,000,000 Each Accident	Bodily Injury By Disease	\$1,000,000 Policy Limit	Bodily Injury By Disease	\$1,000,000 Each Person
EMPLOYERS LIABILITY													
Bodily Injury by Accident	\$1,000,000 Each Accident												
Bodily Injury By Disease	\$1,000,000 Policy Limit												
Bodily Injury By Disease	\$1,000,000 Each Person												
<b>COMMERCIAL GENERAL LIABILITY</b> <input checked="" type="checkbox"/> OCCURRENCE <input type="checkbox"/> CLAIMS MADE		9/1/2018	TB2-C81-004095-117 -Per Project Aggregate included.	General Aggregate	\$2,000,000								
				Products / Completed Operations Aggregate	\$2,000,000								
				Each Occurrence	\$2,000,000								
				Personal & Advertising Injury	\$2,000,000 Per Person / Organization								
		RETRO DATE		Other Damage to Premises Rented to You: \$250,000	Other Medical Exp: \$50,000								
<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> OWNED <input checked="" type="checkbox"/> NON-OWNED <input checked="" type="checkbox"/> HIRED		9/1/2018	AS2-C81-004095-127		Each Accident—Single Limit B.I. And P.D. Combined								
					Each Person								
					Each Accident or Occurrence								
					Each Accident or Occurrence								
<b>OTHER</b> Automobile policy		9/1/2017 - 9/1/2018	AS2-C81-054502-527	Physical Damage only -\$10,000 Comp DED -\$10,000 Coll DED									
<b>ADDITIONAL COMMENTS</b> Re: Lebanon X-A001(008), 15880 State of New Hampshire - DOT is listed as additional insured with regards to the general liability and automobile liability policies, 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:

Lebanon X-A001(008), 15880

**Liberty Mutual Insurance Group**

Certificate Holder

State of New Hampshire - DOT  
PO Box 483  
Concord NH 03302

*Valerie J. Reece*

Valerie Reece

Teays Valley, WV  
112 Brent Way  
Hurricane

AUTHORIZED REPRESENTATIVE

WV 25526

800-222-8890

10/17/2017

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 TF2-681-054574-707  
Renewal of New  
Account Number 8-036771

Issuing Office Bala Cynwyd, PA  
Issue Date 2017-10-18  
Sub Account 0000

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

Form of Business Other

Policy Period: The policy period is from 10/25/2017 to 10/25/2018 12:01 A.M. standard time at the Insured's mailing address.

Designated Contractor: Pike Industries, Inc.

Mailing Address: 3 Eastgate Rd.  
Belmont, NH 03220

Location of Coverage Operations: Lebanon X-A001(008), 15880 Rehabilitation Roadway and Bridges on I-89.  
I-89 South of Hardy Hill Road North 5 Miles in Lebanon NH

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 \$ 1,500  
Endorsement Premium \$  
Total Estimated Premium \$ 1,500  
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:

A handwritten signature in cursive script that reads "Dana D. Spitzer".

Authorized Representative

Producer  
Bala Cynwyd, PA 390