



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



Victoria F. Sheehan
Commissioner

William Cass, P.E.
Assistant Commissioner

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
State House
Concord, New Hampshire 03301

Bureau of Construction
December 16, 2021

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 \$4,041,832.75 for project # 42263 for turnpike pavement resurfacing on I-93 in Hooksett and Bow, Exit 8 in Nashua, and Circumferential Highway in Nashua and Hudson, from the date of Governor and Council approval through September 16, 2022, unless extended by the Department in accordance with the Standard Specifications. 100% Turnpike Funds.

Funding is available in State Fiscal Years 2022 and 2023, with the ability to adjust encumbrances through the Budget Office between State Fiscal Years if needed and justified:

Table with 3 columns: Funding description, FY 2022, FY 2023. Includes rows for 04-96-96-961017-7025 Turnpike Renewal & Replacement and 400-500870 Highway Contract Payments.

2. Further authorize that a contingency in the amount of \$202,091.64 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 2 columns: Funding description, FY 2023. Includes rows for 04-96-96-961017-7025 Turnpike Renewal & Replacement and 400-500870 Highway Contract Payments.

EXPLANATION

This project is part of the State's Ten Year Transportation Improvement Plan. This project involves resurfacing existing roadways in select locations on Interstate 93 in Bow (MM 31.0 - 34.85 NB & SB) and Hooksett (ORT lanes), F.E. Everett Turnpike Exit 8 in Nashua and spot inlays on the Circumferential Highway (between Daniel Webster Highway in Nashua and NH Rte. 3A in Hudson).

Section 22804: Interstate 93 Mainline in Bow

- Interstate 93 Northbound from MM 31.0 to MM 34.85, 1.5-inch inlay in travel way and 1-foot into each shoulder. Crack fill and then fog seal the shoulders.

Section 22804A: Interstate 93 Mainline in Bow

- Interstate 93 Southbound from MM 34.85 to MM 31.0, 1.5-inch inlay in travel way and 1-foot into each shoulder. Crack fill and then fog seal the shoulders.

Section 22805: Interstate 93 ORT tolls in Hooksett

- I-93 Northbound from MM 28.4 to MM 29.3, 1.5-inch inlay in travel way and 1-foot into each shoulder. Crack fill and then fog seal the shoulders.
- I-93 Southbound from MM 29.1 to MM 28.2, 1.5-inch inlay in travel way and 1-foot into each shoulder. Crack fill and then fog seal the shoulders.

Section 20101B: Exit 8 Ramps in Nashua

- Full width 2-inch inlay

Section 22806SI: Circumferential Highway in Nashua and Hudson

- Circumferential Highway Eastbound from Daniel Webster Highway to NH Rte. 3A, 13-foot wide, 1.5-inch deep spot inlays at locations to be determined by the Engineer.
- Circumferential Highway Westbound from NH Rte. 3A to Daniel Webster Highway, 13-foot wide, 1.5-inch deep spot inlays at locations to be determined by the Engineer.

Due to the age of the pavement and high volume of traffic, these segments are experiencing transverse and longitudinal cracking with spot locations of delamination. The proposed improvements have been coordinated with Materials and Research Pavement Management Section and will extend the life of these assets avoiding costlier reconstruction repairs in the future.

The proposed contingency amount is 5% of the contract amount. This is requested due to unforeseen issues during the construction operation.

Although the bid costs exceeded the Department's estimate by 2.10%, the low bid of 2 bids received is felt to be reasonable for the work involved. 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.

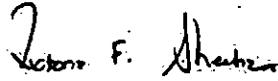
This project funding is: 100% Turnpike Funds from the Renewal and Replacement Program.

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.

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Your approval of this resolution is respectfully requested.

Sincerely,



Victoria F. Sheehan
Commissioner

VFS/pcj

Department Estimate:	\$3,958,718.75
Contract Amount:	<u>\$4,041,832.75</u>
Over Estimate:	\$ 83,114.00
Attachments	



ABC Bid Data

CENTRAL TURNPIKE RESURFACING

42263

NON-FEDERAL

PROJECT: CENTRAL TURNPIKE RESURFACING
 STATE PROJECT NUMBER: 42263
 FED. PROJECT NUMBER: NON-FEDERAL
 DATE BIDS OPEN: December 09, 2021,
 SCOPE OF WORK: Central Turnpike Resurfacing
 COMPLETION DATE: September 16, 2022
 LOCATION: Merrimack, Hillsborough

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

Amount: \$4,041,832.75
 Award Date:

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	\$4,041,832.75	A
CONTINENTAL PAVING INC 1 CONTINENTAL DRIVE, LONDONDERRY NH 03053	\$4,307,123.60	B



ABC Bid Data

CENTRAL TURNPIKE RESURFACING

42263

NON-FEDERAL

Item No.	Description	Unit	Quantity	P&E		PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03229		CONTINENTAL PAVING INC 1 CONTINENTAL DRIVE LONDONDERRY, NH 03053	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	2,034.00	\$35.00	\$71,190.00	\$23.00	\$46,782.00	\$30.00	\$61,020.00
403.11941	HBP-1/2" WEARING, MM, HIGH STRENGTH, QC/QA TIER 1	TON	16,288.00	\$93.00	\$1,514,784.00	\$90.00	\$1,465,920.00	\$95.00	\$1,547,360.00
403.11942	HBP-1/2" SURFACE MIX, MACHINE METHOD, HIGH STRENGTH, QC/QA TIER 2	TON	6,685.00	\$93.00	\$519,405.00	\$90.00	\$502,650.00	\$98.00	\$547,330.00
403.12	HBP-HAND METHOD	TON	100.00	\$150.00	\$15,000.00	\$275.00	\$27,500.00	\$150.00	\$15,000.00
403.18	PAVEMENT JOINT ADHESIVE	LF	108,410.00	\$0.30	\$32,523.00	\$0.35	\$37,943.50	\$0.25	\$27,102.50
403.26	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	550.00	\$2.00	\$1,100.00	\$1.00	\$550.00	\$2.00	\$1,100.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	21,221.00	\$2.50	\$53,052.50	\$3.00	\$63,663.00	\$3.00	\$63,663.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	12,073.00	\$4.25	\$51,310.25	\$4.50	\$54,328.50	\$5.00	\$60,365.00
410.752	EMULSIFIED ASPHALT FOG SEAL	GAL	15,773.00	\$4.50	\$70,978.50	\$4.50	\$70,978.50	\$4.70	\$74,133.10
410.763	COVER AGGREGATE	TON	40.00	\$1,700.00	\$68,000.00	\$1,500.00	\$60,000.00	\$1,300.00	\$52,000.00
411.1	HOT BITUMINOUS CONCRETE LEVELING COURSE	TON	50.00	\$80.00	\$4,000.00	\$200.00	\$10,000.00	\$100.00	\$5,000.00
413.6	CRACK FILL PRIOR TO THIN LIFT OVERLAY	LB	6,078.00	\$2.50	\$15,195.00	\$4.00	\$24,312.00	\$3.50	\$21,273.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	241,460.00	\$2.25	\$543,285.00	\$1.90	\$458,774.00	\$2.50	\$603,650.00
559.4	ASPHALTIC PLUG EXPANSION JOINT (F)	LF	176.00	\$130.00	\$22,880.00	\$110.00	\$19,360.00	\$120.75	\$21,252.00
604.0007	POLYETHYLENE LINER	EA	37.00	\$125.00	\$4,625.00	\$165.00	\$6,105.00	\$150.00	\$5,550.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	37.00	\$500.00	\$18,500.00	\$550.00	\$20,350.00	\$750.00	\$27,750.00
604.72	GRATES & FRAMES, TYPE B	EA	4.00	\$600.00	\$2,400.00	\$800.00	\$3,200.00	\$1,000.00	\$4,000.00
608.2601	6" CONCRETE SIDEWALK	SY	100.00	\$55.00	\$5,500.00	\$100.00	\$10,000.00	\$60.00	\$6,000.00
609.216	STRAIGHT GRANITE SLOPE CURB 6" HIGH	LF	600.00	\$26.00	\$13,000.00	\$50.00	\$25,000.00	\$30.00	\$15,000.00
609.5	RESET GRANITE CURB	LF	6,000.00	\$18.00	\$108,000.00	\$25.00	\$150,000.00	\$15.00	\$90,000.00
616.660	TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 50 FT	EA	6.00	\$850.00	\$5,100.00	\$1,500.00	\$9,000.00	\$2,500.00	\$15,000.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	80,000.00	\$1.00	\$80,000.00	\$1.00	\$80,000.00	\$1.00	\$80,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$150,000.00	\$150,000.00	\$185,000.00	\$185,000.00	\$200,000.00	\$200,000.00
619.26	PORTABLE CHANGEABLE MESSAGE SIGN	U	6.00	\$3,000.00	\$18,000.00	\$2,000.00	\$12,000.00	\$5,000.00	\$30,000.00



ABC Bid Data

CENTRAL TURNPIKE RESURFACING

42263

NON-FEDERAL

Item No.	Description	Unit	Quantity	PA&E		PRICE INDUSTRIES, INC. 3 EASTDATE PARK ROAD BELMONT, NH 03229		CONTINENTAL PAVING INC 1 CONTINENTAL DRIVE LONDONDERRY, NH 03063	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$3,300.00	\$6,600.00	\$2,000.00	\$4,000.00	\$5,000.00	\$10,000.00
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$6,000.00	\$12,000.00	\$12,000.00	\$24,000.00	\$10,000.00	\$20,000.00
621.3112	SINGLE LARGE DELINEATOR WITH POST	EA	450.00	\$48.00	\$21,600.00	\$85.00	\$38,250.00	\$88.00	\$39,600.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	450.00	\$2.00	\$900.00	\$10.00	\$4,500.00	\$5.00	\$2,250.00
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	159,565.00	\$0.15	\$23,934.75	\$0.25	\$39,891.25	\$0.20	\$31,913.00
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	6,450.00	\$1.25	\$8,062.50	\$1.00	\$6,450.00	\$3.00	\$19,350.00
632.3106	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE	LF	1,000.00	\$0.85	\$850.00	\$2.00	\$2,000.00	\$1.05	\$1,050.00
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	1,905.00	\$3.00	\$5,715.00	\$4.00	\$7,620.00	\$5.45	\$10,382.25
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	80.00	\$5.00	\$400.00	\$6.00	\$480.00	\$7.90	\$632.00
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	335.00	\$5.95	\$1,993.25	\$9.00	\$3,015.00	\$7.65	\$2,562.75
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	500.00	\$1.00	\$500.00	\$1.00	\$500.00	\$0.75	\$375.00
632.92	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD	SF	500.00	\$1.25	\$625.00	\$3.00	\$1,500.00	\$1.50	\$750.00
692.	MOBILIZATION	U	1.00	\$150,000.00	\$150,000.00	\$225,000.00	\$225,000.00	\$250,000.00	\$250,000.00
698.12	FIELD OFFICE TYPE B	MOH	7.00	\$2,000.00	\$14,000.00	\$2,500.00	\$17,500.00	\$3,000.00	\$21,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00
1008.11	ALTERATIONS AND ADDITIONS AS NEEDED - UNANTICIPATED WORK	\$	50,000.00	\$1.00	\$50,000.00	\$1.00	\$50,000.00	\$1.00	\$50,000.00
1010.15	FUEL ADJUSTMENT	\$	70,000.00	\$1.00	\$70,000.00	\$1.00	\$70,000.00	\$1.00	\$70,000.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	100,000.00	\$1.00	\$100,000.00	\$1.00	\$100,000.00	\$1.00	\$100,000.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	101,710.00	\$1.00	\$101,710.00	\$1.00	\$101,710.00	\$1.00	\$101,710.00
Totals:				\$3,958,718.75	\$4,041,832.75	\$4,041,832.75	\$4,307,123.60	\$4,307,123.60	\$4,307,123.60
Alt. Totals:									
Totals:				\$3,958,718.75	\$4,041,832.75	\$4,041,832.75	\$4,307,123.60	\$4,307,123.60	\$4,307,123.60



PS&E Comparison

CENTRAL TURNPIKE RESURFACING

42263

NON-FEDERAL

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
Items								
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	2,034.00	\$23.00	\$46,782.00	\$35.00	\$71,190.00	(\$24,408.00)
403.11941	HBP-1/2" WEARING, MM, HIGH STRENGTH, QC/QA TIER 1	TON	16,288.00	\$90.00	\$1,465,920.00	\$93.00	\$1,514,784.00	(\$48,864.00)
403.11942	HBP-1/2" SURFACE MIX, MACHINE METHOD, HIGH STRENGTH, QC/QA TIER 2	TON	5,585.00	\$90.00	\$502,650.00	\$93.00	\$519,405.00	(\$16,755.00)
403.12	HBP-HAND METHOD	TON	100.00	\$275.00	\$27,500.00	\$150.00	\$15,000.00	\$12,500.00
403.16	PAVEMENT JOINT ADHESIVE	LF	108,410.00	\$0.35	\$37,943.50	\$0.30	\$32,523.00	\$5,420.50
403.26	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	550.00	\$1.00	\$550.00	\$2.00	\$1,100.00	(\$550.00)
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	21,221.00	\$3.00	\$63,663.00	\$2.50	\$53,052.50	\$10,610.50
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	12,073.00	\$4.50	\$54,328.50	\$4.25	\$51,310.25	\$3,018.25
410.752	EMULSIFIED ASPHALT FOG SEAL	GAL	15,773.00	\$4.50	\$70,978.50	\$4.50	\$70,978.50	\$0.00
410.753	COVER AGGREGATE	TON	40.00	\$1,500.00	\$60,000.00	\$1,700.00	\$68,000.00	(\$8,000.00)
411.1	HOT BITUMINOUS CONCRETE LEVELING COURSE	TON	50.00	\$200.00	\$10,000.00	\$80.00	\$4,000.00	\$6,000.00
413.6	CRACK FILL PRIOR TO THIN LIFT OVERLAY	LB	6,078.00	\$4.00	\$24,312.00	\$2.50	\$15,195.00	\$9,117.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	241,460.00	\$1.90	\$458,774.00	\$2.25	\$543,285.00	(\$84,511.00)
559.4	ASPHALTIC PLUG EXPANSION JOINT (F)	LF	176.00	\$110.00	\$19,360.00	\$130.00	\$22,880.00	(\$3,520.00)



PS&E Comparison

CENTRAL TURNPIKE RESURFACING

42263

NON-FEDERAL

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
604.0007	POLYETHYLENE LINER	EA	37.00	\$165.00	\$6,105.00	\$125.00	\$4,625.00	\$1,480.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	37.00	\$550.00	\$20,350.00	\$500.00	\$18,500.00	\$1,850.00
604.72	GRATES & FRAMES, TYPE B	EA	4.00	\$800.00	\$3,200.00	\$600.00	\$2,400.00	\$800.00
608.2601	6" CONCRETE SIDEWALK	SY	100.00	\$100.00	\$10,000.00	\$55.00	\$5,500.00	\$4,500.00
609.216	STRAIGHT GRANITE SLOPE CURB 6" HIGH	LF	500.00	\$50.00	\$25,000.00	\$26.00	\$13,000.00	\$12,000.00
609.5	RESET GRANITE CURB	LF	6,000.00	\$25.00	\$150,000.00	\$18.00	\$108,000.00	\$42,000.00
616.650	TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 50 FT	EA	6.00	\$1,500.00	\$9,000.00	\$850.00	\$5,100.00	\$3,900.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	80,000.00	\$1.00	\$80,000.00	\$1.00	\$80,000.00	\$0.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$185,000.00	\$185,000.00	\$150,000.00	\$150,000.00	\$35,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	6.00	\$2,000.00	\$12,000.00	\$3,000.00	\$18,000.00	(\$6,000.00)
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$2,000.00	\$4,000.00	\$3,300.00	\$6,600.00	(\$2,600.00)
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$12,000.00	\$24,000.00	\$6,000.00	\$12,000.00	\$12,000.00
621.3112	SINGLE LARGE DELINEATOR WITH POST	EA	450.00	\$85.00	\$38,250.00	\$48.00	\$21,600.00	\$16,650.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	450.00	\$10.00	\$4,500.00	\$2.00	\$900.00	\$3,600.00
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	159,565.00	\$0.25	\$39,891.25	\$0.15	\$23,934.75	\$15,956.50
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	6,450.00	\$1.00	\$6,450.00	\$1.25	\$8,062.50	(\$1,612.50)



PS&E Comparison

CENTRAL TURNPIKE RESURFACING

42263

NON-FEDERAL

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
632.3106	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE	LF	1,000.00	\$2.00	\$2,000.00	\$0.85	\$850.00	\$1,150.00
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	1,905.00	\$4.00	\$7,620.00	\$3.00	\$5,715.00	\$1,905.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	80.00	\$6.00	\$480.00	\$5.00	\$400.00	\$80.00
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	335.00	\$9.00	\$3,015.00	\$5.95	\$1,993.25	\$1,021.75
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	500.00	\$1.00	\$500.00	\$1.00	\$500.00	\$0.00
632.92	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD	SF	500.00	\$3.00	\$1,500.00	\$1.25	\$625.00	\$875.00
692.	MOBILIZATION	U	1.00	\$225,000.00	\$225,000.00	\$150,000.00	\$150,000.00	\$75,000.00
698.12	FIELD OFFICE TYPE B	MON	7.00	\$2,500.00	\$17,500.00	\$2,000.00	\$14,000.00	\$3,500.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$0.00
1008.11	ALTERATIONS AND ADDITIONS AS NEEDED - UNANTICIPATED WORK	\$	50,000.00	\$1.00	\$50,000.00	\$1.00	\$50,000.00	\$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	\$	100,000.00	\$1.00	\$100,000.00	\$1.00	\$100,000.00	\$0.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	101,710.00	\$1.00	\$101,710.00	\$1.00	\$101,710.00	\$0.00
Total:					\$4,041,832.75		\$3,958,718.75	\$83,114.00

November 16, 2021

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project involves resurfacing existing roadways in select locations on Interstate 93 in Bow (MM 31.0 – 34.85 NB & SB) and Hooksett (ORT lanes), F.E. Everett Turnpike Exit 8 in Nashua and spot inlays on the Circumferential Highway (between Daniel Webster Highway in Nashua and NH Rte. 3A in Hudson)

Section 22804: Interstate 93 Mainline in Bow

- Interstate 93 Northbound from MM 31.0 to MM 34.85, 1.5-inch inlay in travel way and 1-foot into each shoulder. Crack fill and then fog seal the shoulders.

Section 22804A: Interstate 93 Mainline in Bow

- Interstate 93 Southbound from MM 34.85 to MM 31.0, 1.5-inch inlay in travel way and 1-foot into each shoulder. Crack fill and then fog seal the shoulders.

Section 22805: Interstate 93 ORT tolls in Hooksett

- I-93 Northbound from MM 28.4 to MM 29.3, 1.5-inch inlay in travel way and 1-foot into each shoulder. Crack fill and then fog seal the shoulders.
- I-93 Southbound from MM 29.1 to MM 28.2, 1.5-inch inlay in travel way and 1-foot into each shoulder. Crack fill and then fog seal the shoulders.

Section 20101B: Exit 8 Ramps in Nashua

- Full width 2-inch inlay

Section 22806SI: Circumferential Highway in Nashua and Hudson

- Circumferential Highway Eastbound from Daniel Webster Highway to NH Rte. 3A, 13-foot wide, 1.5-inch deep spot inlays at locations to be determined by the Engineer.
- Circumferential Highway Westbound from NH Rte. 3A to Daniel Webster Highway, 13-foot wide, 1.5-inch deep spot inlays at locations to be determined by the Engineer.

FEDERAL FUNDING: 0% (100% Turnpike Funded from the Renewal and Replacement Program)

CONTINGENCY: 5% contingency of the approved contract amount is requested due to unforeseen issues during the construction operation.

PROJECT INITIATED: Bureau of Turnpikes Renewal and Replacement Program

EXPLANATION: Due to the age of the pavement and high volume of traffic, these segments are experiencing transverse and longitudinal cracking with spot locations of delamination. The proposed improvements have been coordinated with Materials and Research Pavement Management Section and will extend the life of this asset avoiding costlier reconstruction repairs in the future.

TRAFFIC IMPLICATIONS: Resurfacing work will be performed at night or during off peak timeframes with normal traffic patterns to be re-established prior to peak travel periods for all locations.

COMPLETION DATE: September 16, 2022

CENTRAL TURNPIKE RESURFACING - 42263

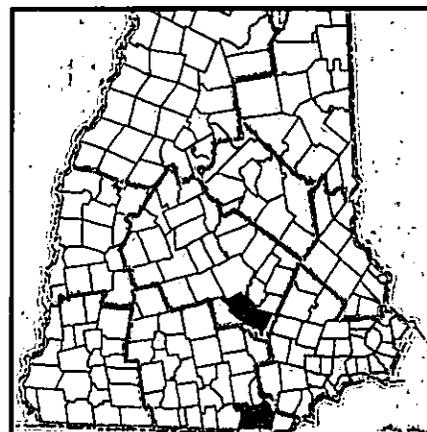
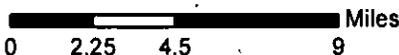


LEGEND

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

New Hampshire
DOT
Department of Transportation

State #: 42263
Federal #: N/A
LOCATION MAP



Certificate of Authority #1

(Corporation, Non-Profit Corporation)

Corporate Resolution

I, DEBORAH A. KEITH, hereby certify that I am duly elected Clerk/Secretary/Officer of PIKE INDUSTRIES, INC. I hereby certify the following is a true copy of a vote taken at (Name of Corporation)
a meeting of the Board of Directors/shareholders, duly called and held on January 1, 2021,
at which a quorum of the Directors/shareholders were present and voting.

VOTED: That JENNIFER L. DESJARDINS, CONTRACT ADMINISTRATOR
ALEX PHELPS, VICE PRESIDENT-CONSTRUCTION
GREG GORMAN, REGIONAL MANAGER
KEN WOOD, AREA MANAGER
JODY PELLETIER, AREA MANAGER
BETHANY HUCKINS, ESTIMATOR-NH

(may list more than one person)

are duly authorized to enter into contracts or agreements on behalf of

PIKE INDUSTRIES, INC. with the State of New Hampshire and any of (Name of Corporation)

its agencies or departments and further is authorized to execute any documents which may in his/her judgment be desirable or necessary to effect the purpose of this vote.

I hereby certify that said vote has not been amended or repealed and remains in full force and effect as of the date of the contract to which this certificate is attached. This authority remains valid for thirty (30) days from the date of this Corporate Resolution. I further certify that it is understood that the State of New Hampshire will rely on this certificate as evidence that the person(s) listed above currently occupy the position(s) indicated and that they have full authority to bind the corporation. To the extent that there are any limits on the authority of any listed individual to bind the corporation in contracts with the State of New Hampshire, all such limitations are expressly stated herein.

DATED: DECEMBER 17, 2021

ATTEST:

Deborah A. Keith
DEBORAH A. KEITH, ASST. SECRETARY
(Name & Title)

State of New Hampshire

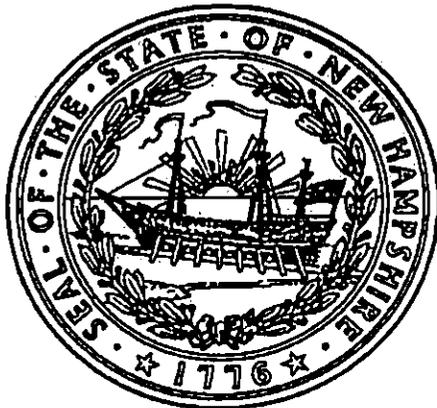
Department of State

CERTIFICATE

I, William M. Gardner, Secretary of State of the State of New Hampshire, do hereby certify that PIKE INDUSTRIES, INC. is a Delaware Profit Corporation registered to transact business in New Hampshire on July 08, 1988. I further certify that all fees and documents required by the Secretary of State's office have been received and is in good standing as far as this office is concerned.

Business ID: 132573

Certificate Number: 0005333602



IN TESTIMONY WHEREOF,
I hereto set my hand and cause to be affixed
the Seal of the State of New Hampshire,
this 1st day of April A.D. 2021.

A handwritten signature in black ink, appearing to read "William M. Gardner".

William M. Gardner
Secretary of State



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

12/13/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S); AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Liberty Mutual Insurance Co. National Insurance East 2000 Westwood Dr. Wausau, WI 54401 www.LibertyMutual.com	CONTACT NAME:	Valerie Reece	
	PHONE (A/C, No, Ext):	513-867-3822	FAX (A/C, No):
	E-MAIL ADDRESS:	Oldcastle.certs@LibertyMutual.com	
	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A:	Liberty Mutual Fire Insurance Company	23035
	INSURER B:	Liberty Insurance Corporation	42404
	INSURER C:		
	INSURER D:		
	INSURER E:		
	INSURER F:		

COVERAGES	CERTIFICATE NUMBER: 65426362	REVISION NUMBER:
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.		

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WYD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Primary/Non-Contributory <input checked="" type="checkbox"/> Separation of Insured GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:		TB2-C81-004095-111 XCU Coverage Included	9/1/2021	9/1/2022	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 50,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY		AS2-C81-004095-121 AS2-C81-054502-521 Physical Damage only: Comprehensive Ded \$10,000 Collision Ded \$10,000	9/1/2021	9/1/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB DED RETENTION \$		TL2-681-054523-921 (General Liability)	9/1/2021	9/1/2022	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000 Products/Completed Ops \$ 1,000,000
B	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY <input type="checkbox"/> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	WA7-C8D-004095-021 All except OH, ND, WA, WY WC7-C81-004095-011 WI, MN	9/1/2021	9/1/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Central Turnpike Resurfacing, 42263.
 State of New Hampshire-DOT is listed as additional insured with regards to the general liability, automobile liability, and excess liability policies, where required by written contract.

CERTIFICATE HOLDER State of New Hampshire-DOT PO Box 483 Concord NH 03302	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Valerie P. Reece</i> Valerie Reece

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

12/13/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Liberty Mutual Insurance Co. National Insurance East 2000 Westwood Dr. Wausau, WI 54401	CONTACT NAME:	Valerie Reece	
	PHONE (A/C, No, Ext):	513-867-3822	FAX (A/C, No):
www.LibertyMutual.com	E-MAIL ADDRESS:	Oldcastle.certs@LibertyMutual.com	
	INSURER(S) AFFORDING COVERAGE		NAIC #
INSURED Pike Industries, Inc. (020-BEL) 3 Eastgate Park Road Belmont NH 03220	INSURER A:	Liberty Mutual Fire Insurance Company	23035
	INSURER B:	Liberty Insurance Corporation	42404
	INSURER C:		
	INSURER D:		
	INSURER E:		
	INSURER F:		

COVERAGES

CERTIFICATE NUMBER: 65429403

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Primary/Non-Contributory <input checked="" type="checkbox"/> Separation of Insured GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	<input checked="" type="checkbox"/>	TB2-C81-004095-111 XCU Coverage Included	9/1/2021	9/1/2022	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$300,000 MED EXP (Any one person) \$50,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COM/OP AGG \$2,000,000 \$
A	AUTOMOBILE LIABILITY	<input checked="" type="checkbox"/>	AS2-C81-004095-121	9/1/2021	9/1/2022	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000 BODILY INJURY (Per person) \$
A	<input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY <input type="checkbox"/> HIRED <input type="checkbox"/> <input type="checkbox"/> AUTOS ONLY	<input checked="" type="checkbox"/>	AS2-C81-054502-521 Physical Damage only: Comprehensive Ded \$10,000 Collision Ded \$10,000	9/1/2021	9/1/2022	BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$	<input checked="" type="checkbox"/>	TL2-681-054523-921 (General Liability)	9/1/2021	9/1/2022	EACH OCCURRENCE \$1,000,000 AGGREGATE \$1,000,000 Products/Completed Ops \$1,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	<input type="checkbox"/>	WA7-C8D-004095-021 All except OH, ND, WA, WY	9/1/2021	9/1/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
B		<input type="checkbox"/>	WC7-C81-004095-011 WI, MN	9/1/2021	9/1/2022	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Central Turnpike Resurfacing, 42283.
Boston and Maine Corporation, Springfield Terminal Railway Company, c/o Pan Am Railways, their affiliates, successors and assigns and the NH DOT are listed as additional insured with regards to the general liability, automobile liability, and excess liability policies, on a primary and non-contributory basis, where required by written contract.

CERTIFICATE HOLDER**CANCELLATION**

Boston and Maine Corporation, Springfield Terminal Railway Company, c/o Pan Am Railways, their affiliates, successors and assigns
Ted Krug
1700 Iron Horse Park
N Billerica MA 01862

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Valerie Reece

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RAILROAD PROTECTIVE LIABILITY DECLARATIONS



Issued by Liberty Mutual Fire Insurance Company

Policy Number	TE2-681-054674-791	Issuing Office	Pittsburgh, PA
Renewal of	New	Issue Date	12/16/2021
Account Number	8-036771	Sub Account	0000

Named Insured and Mailing Address	Franchise
Boston and Maine Corporation, Springfield Terminal Railway Company	
1700 Iron Horse Park	
N. Billerica MA 01862	

Form of Business Other

Policy Period: The policy period is from 12/27/2021 to 12/27/2022 12:01 A.M. standard time at the Insured's mailing address.

Job Location:
 I-93 Bow, Hookset ORT, Exit 8 Central Turnpike Resurfacing, 42263
 Roadway resurfacing in select locations on I-93 and F.E. Everett Turnpike and spot inlays on the circum-ferential highway between DW Hi-way & NH 3A

Designated Contractor: Pike Industries, Inc.	Designated Contractor Mailing Address: 3 Eastgate Park Road Belmont, NH 03220
---	--

Name and Address of Involved Governmental Authority or Other Contracting Party:
 State of NH – D.O.T.
 P.O. Box 486
 Concord NH 03302

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.

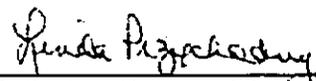
LIMITS OF INSURANCE	
Each Occurrence Limit	\$ 2,000,000
Aggregate Limit	\$ 6,000,000

SCHEDULE	
The declarations are completed on the accompanying "Declarations Extension Schedule(s)".	
Railroad Protective Liability Coverage Part Premium	\$ 1,500
Endorsement Premium	\$
Other Charge(s)	\$
Amount Payable at Inception	\$ 1,500
Policywriting Minimum Premium	\$

Forms Applicable: See Attached Inventory

Producer 0002 008060
 Marsh USA Inc
 3560 Lenox Rd NE Ste 2400
 Atlanta, GA 30326-4266

Countersigned By:


 Authorized Representative

Producer

OWNERS AND CONTRACTORS PROTECTIVE
LIABILITY DECLARATIONS



Issued by Liberty Mutual Fire Insurance Company

Policy Number TF2-681-054674-771
Renewal of New
Account Number 8-036771

Issuing Office Pittsburgh, PA
Issue Date 12/15/2021
Sub Account 0000

Franchise

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 12/27/2021 to 12/27/2022 12:01 A.M. standard time at the Insured's mailing address.

Designated Contractor: Pike Industries, Inc

Mailing Address: 3 Eastgate Park Road Belmont, NH 03220

Location of Coverage Operations: Central Turnpike Resurfacing, 42263 Roadway Resurfacing in select locations on I-93 and the F.E. Everett Turnpike and spot inlays on the circumferential highway between the Daniel Webster Highway and NH Rt. 3A

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 USA Inc
3560 Lenox Rd NE Ste 2400
Atlanta, GA 30326-4266

Countersigned By:

A handwritten signature in cursive script, appearing to read "Linda Pizichinsky".

Authorized Representative