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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
January 8, 2020

REQUESTED ACTION

1. Authorize the Department of Transportation to enter into a contract with Pike Industries, Inc. of Belmont, NH (Vendor 177300), on the basis of a low bid of \$7,791,169.24 for resurfacing and crack sealing roadways throughout four towns in District 5, from the date of Governor and Council approval through July 30, 2021, unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available in State Fiscal Year 2020 and Fiscal Year 2021 as follows, and is anticipated to be available in Fiscal Year 2022, upon the continued appropriation of funds in the future operating budget, 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 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>
04-96-96-963515-3054			
Consolidated Federal Aid			
400-500870 Highway Contract Payments	\$3,233,335.19	\$4,207,231.32	\$350,602.73

2. Further authorize that a contingency in the amount of \$389,558.46 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.

Funding is available as follows:	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>
04-96-96-963515-3054			
Consolidated Federal Aid			
400-500870 Highway Contract Payments			\$389,558.46

EXPLANATION

This project is part of the State's Ten Year Transportation Improvement Plan under the Tier 1 and 2 Resurfacing Programs. This project resurfaces 2 segments of Tier 1 roads (I-89, I-93), crack seals 2 segments of Tier 1 roads (I-93, I-393) and 1 segment of Tier 2 road (US 202) throughout 4 towns in District 5. The sections total is approximately 56.7 miles in length (30.5 miles of resurfacing and 26.2 miles of crack sealing).

- 20514: Concord-Canterbury, I-93, crack sealing, 11.8 miles, preservation (crack seal)
- 20515A: Concord; US 202, crack sealing; 0.8 miles, preservation (crack seal)
- 20515B: Concord-Pembroke, I-393, crack sealing and replacement of X-Lite Terminals, 13.6 miles, preservation (crack seal)
- 20516: Concord, I-93, mainline 2" spot inlays, fog seal shoulders, crack filling, ¾" BWC TW and 1" overlay; ramps: 2" HBP inlay; ADA curb ramp upgrades; Br. No. 142/116 Delta Drive over I-93: 1" paver shim, preservation

- 20517: Hopkinton, I-89, Mainline: 2" spot inlays, fog seal shoulders, crack filling, ¾" BWC TW and 1" overlay, ramps: 2" HBP inlay, Hopkinton Br. No. 123/ 077 South Road over I-89: 1" Hot HBP full width inlay, 14.2 miles, preservation

As part of the annual Tier 1 & 2 Resurfacing Programs, this pavement preservation project will extend the life of the existing infrastructure, maintaining the sections in good condition, and eliminate the need for costlier improvements in the future.

The proposed contingency amount is 5% of the contract amount. This project was not surveyed and therefore items have been quantified based on field observations, and aerial photos only. The sections will deteriorate over the 2019-2020 winter. Field adjustments may be required due to varying field conditions.

Although the bid costs exceeded the Department's estimate by 8.9%, the low bid of two bids received, is felt to be reasonable for the work involved. Three items contributed to \$466,000 (73%) of the overage; pavement, transfer vehicle, and maintenance of traffic. The second bid received was \$503,000 (6.5%) higher than the low bid. Re-advertising 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.

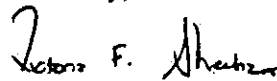
The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General as to form and execution, and the Department has certified that the necessary funds are available and the bid reasonably conforms to the engineer's estimate in accordance with State procedure. 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: 80% Federal (Pave-T1-Resurface and Pave-T2-Resurface), with anticipated utilization of Turnpike Toll Credit for the State's 20% match, 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.

Your approval of this resolution is respectfully requested.

Sincerely,



Victoria F. Sheehan
Commissioner

VFS/pcj

Department Estimate: \$7,148,344.24

Contract Amount: \$7,791,169.24

Under/Over Estimate: \$ 642,825.00

Attachments



ABC Bid Data

CONCORD / HOPKINTON

41906

X-A004(775)

PROJECT:	CONCORD / HOPKINTON	Awarded To:	PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220
STATE PROJECT NUMBER:	41906	Amount:	\$7,791,169.24
FED. PROJECT NUMBER:	X-A004(775)	Certified by:	<u>PETER E. STAMNAS</u> <small>Director of Project Development</small>
DATE BIDS OPEN:	December 19, 2019,	Award Date:	
SCOPE OF WORK:	Resurfacing I-93 MM 38.5 to 44.0; I-89 MM 8.2 to MM 13.6, and crack sealing along I393 & 193		
COMPLETION DATE:	July 30, 2021		
LOCATION:	Merrimack		

Summary of Bidders

Contractor	Bid Amount	Rank
PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD, BELMONT NH 03220	\$7,791,169.24	A
ALL STATES ASPHALT, INC. 325 AMHERST ROAD, PO BOX 91, SUNDERLAND MA 01375	\$8,293,783.42	B

Item No.	Description	Unit	Quantity	P&E		PKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220		ALL STATES ASPHALT, INC. 325 AMHERST ROAD SUNDERLAND, MA 01375	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

202.7	REMOVAL OF GUARDRAIL	LF	1,500.00	\$3.00	\$4,500.00	\$5.50	\$8,250.00	\$2.20	\$3,300.00
202.843	REMOVAL OF LIGHT POLE	U	13.00	\$850.00	\$11,180.00	\$1,400.00	\$18,200.00	\$2,200.00	\$28,600.00
203.5561	EAGRT PLATFORM PREFERRED	U	13.00	\$1,250.00	\$16,250.00	\$1,750.00	\$22,750.00	\$1,800.00	\$23,400.00
206.1	COMMON STRUCTURE EXCAVATION	CY	4.70	\$490.00	\$2,303.00	\$550.00	\$2,585.00	\$385.00	\$1,809.50
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	10.00	\$80.00	\$800.00	\$100.00	\$1,000.00	\$300.00	\$3,000.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	951.60	\$47.50	\$45,201.00	\$35.00	\$33,306.00	\$32.00	\$30,451.20
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	3,320.55	\$84.00	\$278,926.20	\$107.00	\$355,298.85	\$123.00	\$408,427.65
403.11002	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 2)	TON	13,982.23	\$84.00	\$1,174,507.32	\$106.00	\$1,482,116.38	\$122.00	\$1,705,832.06
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	6.35	\$236.68	\$1,266.24	\$1,000.00	\$5,350.00	\$1,100.00	\$5,885.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	33,183.44	\$2.50	\$82,958.60	\$5.00	\$165,917.20	\$5.00	\$165,917.20
403.6	PAVEMENT JOINT ADHESIVE	LF	117,280.90	\$0.50	\$58,630.45	\$0.35	\$41,041.32	\$0.70	\$82,082.63
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	9,219.00	\$6.30	\$58,079.70	\$6.00	\$55,314.00	\$6.90	\$63,611.10
410.752	EMULSIFIED ASPHALT FOG SEAL	GAL	23,843.00	\$4.27	\$101,809.61	\$4.50	\$107,293.50	\$4.40	\$104,909.20
410.753	COVER AGGREGATE	TON	54.20	\$1,700.00	\$92,140.00	\$1,950.00	\$105,690.00	\$1,850.00	\$100,270.00
411.3	PLANT MIX SURFACE TREATMENT (ASPHALT CEMENT), PAVER SHIM	TON	42.80	\$232.50	\$9,951.00	\$250.00	\$10,700.00	\$275.00	\$11,770.00
413.1	HOT-POURED CRACK SEALANT	LB	67,873.00	\$1.70	\$115,384.10	\$2.10	\$142,533.30	\$2.15	\$145,926.95
413.6	CRACK FILL PRIOR TO THIN LIFT OVERLAY	LB	60,822.00	\$2.00	\$121,644.00	\$1.80	\$109,479.60	\$1.90	\$115,561.80
417.	COLD PLANING BITUMINOUS SURFACES	SY	151,603.10	\$2.64	\$400,232.18	\$2.10	\$318,366.51	\$3.40	\$515,450.54
417.118	COLD PLANING BITUMINOUS SURFACES, 18" WIDE X 0.6" DEEP	LF	1,483.80	\$8.32	\$12,178.82	\$4.65	\$6,806.67	\$5.10	\$7,465.38
417.21	MICRO-MILLING BITUMINOUS SURFACES	SY	196,117.70	\$1.27	\$249,069.48	\$0.75	\$147,088.28	\$1.40	\$274,564.78
417.416	RUMBLE STRIPS, 16" WIDE	LF	4,971.00	\$2.50	\$12,427.50	\$3.00	\$14,913.00	\$2.60	\$12,924.60
419.13	BONDED WEARING COURSE, TYPE C	TON	15,914.72	\$135.00	\$2,148,487.20	\$135.00	\$2,148,487.20	\$132.00	\$2,100,743.04
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	505.00	\$116.00	\$58,580.00	\$86.00	\$43,430.00	\$90.00	\$45,450.00
559.412	REPAIR ASPHALTIC PLUG EXPANSION JOINT (F)	LF	248.00	\$132.46	\$32,850.08	\$150.00	\$37,200.00	\$147.00	\$36,456.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	13.00	\$2,950.00	\$38,350.00	\$3,400.00	\$44,200.00	\$3,600.00	\$46,800.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	700.00	\$20.70	\$14,490.00	\$24.50	\$17,150.00	\$27.50	\$19,250.00
608.2401	4" CONCRETE SIDEWALK	SY	38.60	\$51.50	\$1,987.90	\$110.00	\$4,246.00	\$95.00	\$3,667.00
608.54	DETECTABLE WARNING DEVICES, CAST IRON	SY	6.80	\$450.00	\$2,810.00	\$530.00	\$3,074.00	\$500.00	\$2,900.00
609.5	RESET GRANITE CURB	LF	47.80	\$40.00	\$1,912.00	\$80.00	\$3,824.00	\$55.00	\$2,629.00

Item No.	Description	Unit	Quantity	PS&E		PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220		ALL STATES ASPHALT, INC. 325 AMHERST ROAD SUNDERLAND, MA 01375	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
616.606	TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 6 FT	EA	2.00	\$820.00	\$1,640.00	\$650.00	\$1,300.00	\$660.00	\$1,320.00
616.650	TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 50 FT	EA	2.00	\$1,560.00	\$3,120.00	\$2,000.00	\$4,000.00	\$1,650.00	\$3,300.00
616.9501	INSTALL TRAFFIC STUDY EQUIPMENT	U	1.00	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00	\$2,750.00	\$2,750.00
616.9502	INSTALL TRAFFIC STUDY EQUIPMENT	U	1.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$7,150.00	\$7,150.00
616.9503	INSTALL TRAFFIC STUDY EQUIPMENT	U	1.00	\$10,000.00	\$10,000.00	\$9,500.00	\$9,500.00	\$6,600.00	\$6,600.00
616.9504	INSTALL TRAFFIC STUDY EQUIPMENT	U	1.00	\$10,000.00	\$10,000.00	\$9,500.00	\$9,500.00	\$6,600.00	\$6,600.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	117,327.00	\$1.00	\$117,327.00	\$1.00	\$117,327.00	\$1.00	\$117,327.00
618.7	FLAGGERS	HR	1,675.00	\$31.50	\$52,762.50	\$36.00	\$60,300.00	\$37.00	\$61,975.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$600,000.00	\$600,000.00	\$675,000.00	\$675,000.00	\$590,000.00	\$590,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	10.00	\$3,032.71	\$30,327.10	\$7,500.00	\$75,000.00	\$3,500.00	\$35,000.00
619.27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	4.00	\$3,000.00	\$12,000.00	\$5,500.00	\$22,000.00	\$2,750.00	\$11,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	4.00	\$2,902.03	\$11,608.12	\$1,000.00	\$4,000.00	\$2,750.00	\$11,000.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	26.00	\$5.45	\$141.70	\$5.25	\$136.50	\$5.50	\$143.00
621.31	SINGLE DELINEATOR WITH POST	EA	69.00	\$48.00	\$3,312.00	\$62.50	\$4,312.50	\$66.00	\$4,554.00
621.32	DOUBLE DELINEATOR WITH POST	EA	13.00	\$52.50	\$682.50	\$68.00	\$884.00	\$70.00	\$910.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	110.80	\$4.60	\$509.68	\$10.50	\$1,163.40	\$11.00	\$1,218.80
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	1,247.40	\$0.85	\$1,060.29	\$0.20	\$249.48	\$0.22	\$274.43
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	957,053.60	\$0.18	\$172,269.65	\$0.20	\$191,410.72	\$0.22	\$210,551.79
632.01069	SHORT TERM PAVEMENT MARKINGS, 6" LINE	LF	350,148.60	\$0.14	\$49,020.79	\$0.08	\$28,011.88	\$0.12	\$42,017.82
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	30,031.70	\$1.09	\$32,734.55	\$0.85	\$25,526.95	\$1.12	\$33,635.50
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	186.00	\$9.16	\$1,520.56	\$4.20	\$697.20	\$4.75	\$788.50
632.3106	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE	LF	12,649.50	\$1.02	\$13,106.49	\$1.90	\$24,414.05	\$1.92	\$24,671.04
632.3108	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 8" LINE	LF	105.00	\$2.44	\$256.20	\$2.70	\$283.50	\$2.75	\$288.75
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	15,939.10	\$2.75	\$43,832.53	\$4.00	\$63,756.40	\$4.12	\$65,669.09
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	333.00	\$10.39	\$3,459.87	\$5.40	\$1,798.20	\$5.50	\$1,831.50
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	146.60	\$10.29	\$1,508.51	\$7.50	\$1,099.50	\$7.70	\$1,128.82
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	39,091.20	\$0.49	\$19,154.69	\$0.65	\$25,409.28	\$1.15	\$44,954.88
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	1,000.00	\$5.80	\$5,800.00	\$4.70	\$4,700.00	\$6.50	\$6,500.00
645.531	SILT FENCE	LF	1,000.00	\$3.00	\$3,000.00	\$2.80	\$2,800.00	\$7.25	\$7,250.00
648.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	395.00	\$14.50	\$5,727.50	\$9.50	\$3,752.50	\$25.30	\$9,993.50
692.	MOBILIZATION	U	1.00	\$500,000.00	\$500,000.00	\$675,000.00	\$675,000.00	\$617,500.00	\$617,500.00

Item No.	Description	Unit	Quantity	PS&E		PKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03229		ALL STATES ASPHALT, INC. 325 AMHERST ROAD SUNDERLAND, MA 01375	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
698.12	FIELD OFFICE TYPE B	MON	19.00	\$1,980.54	\$37,630.26	\$2,400.00	\$45,600.00	\$2,800.00	\$53,200.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
1006.23	SPECIAL WORK - EXTRACTED AND RECOVERED ASPHALT BINDER TESTING	\$	3,100.00	\$1.00	\$3,100.00	\$1.00	\$3,100.00	\$1.00	\$3,100.00
1008.251	ALTERATIONS AND ADDITIONS AS NEEDED - TEMPORARY PEDESTRIAN ACCOMMODATIONS	\$	1,800.00	\$1.00	\$1,800.00	\$1.00	\$1,800.00	\$1.00	\$1,800.00
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	\$	58,725.37	\$1.00	\$58,725.37	\$1.00	\$58,725.37	\$1.00	\$58,725.37

Totals:	\$7,148,344.24	\$7,791,169.24	\$8,293,783.42
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Alt. Totals:			
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Totals:	\$7,148,344.24	\$7,791,169.24	\$8,293,783.42
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PS&E Comparison

CONCORD / HOPKINTON

41906

X-A004(775)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
Items								
202.7	REMOVAL OF GUARDRAIL	LF	1,500.00	\$5.50	\$8,250.00	\$3.00	\$4,500.00	\$3,750.00
202.843	REMOVAL OF LIGHT POLE	U	13.00	\$1,400.00	\$18,200.00	\$860.00	\$11,180.00	\$7,020.00
203.5561	EAGRT PLATFORM PREFERRED	U	13.00	\$1,750.00	\$22,750.00	\$1,250.00	\$16,250.00	\$6,500.00
206.1	COMMON STRUCTURE EXCAVATION	CY	4.70	\$550.00	\$2,585.00	\$490.00	\$2,303.00	\$282.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	10.00	\$100.00	\$1,000.00	\$80.00	\$800.00	\$200.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	951.60	\$35.00	\$33,306.00	\$47.50	\$45,201.00	(\$11,895.00)
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	3,320.55	\$107.00	\$355,298.85	\$84.00	\$278,926.20	\$76,372.65
403.11002	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 2)	TON	13,982.23	\$106.00	\$1,482,116.38	\$84.00	\$1,174,507.32	\$307,609.06
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	5.35	\$1,000.00	\$5,350.00	\$236.68	\$1,266.24	\$4,083.76
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	33,183.44	\$5.00	\$165,917.20	\$2.50	\$82,958.60	\$82,958.60
403.6	PAVEMENT JOINT ADHESIVE	LF	117,260.90	\$0.35	\$41,041.32	\$0.50	\$58,630.45	(\$17,589.13)
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	9,219.00	\$6.00	\$55,314.00	\$6.30	\$58,079.70	(\$2,765.70)
410.752	EMULSIFIED ASPHALT FOG SEAL	GAL	23,843.00	\$4.50	\$107,293.50	\$4.27	\$101,809.61	\$5,483.89
410.753	COVER AGGREGATE	TON	54.20	\$1,950.00	\$105,690.00	\$1,700.00	\$92,140.00	\$13,550.00

411.3	PLANT MIX SURFACE TREATMENT (ASPHALT CEMENT), PAVER SHIM	TON	42.80	\$250.00	\$10,700.00	\$232.50	\$9,951.00	\$749.00
413.1	HOT-POURED CRACK SEALANT	LB	67,873.00	\$2.10	\$142,533.30	\$1.70	\$115,384.10	\$27,149.20
413.6	CRACK FILL PRIOR TO THIN LIFT OVERLAY	LB	60,822.00	\$1.80	\$109,479.60	\$2.00	\$121,644.00	(\$12,164.40)
417.	COLD PLANING BITUMINOUS SURFACES	SY	151,603.10	\$2.10	\$318,366.51	\$2.64	\$400,232.18	(\$81,865.67)
417.118	COLD PLANING BITUMINOUS SURFACES, 18" WIDE X 0.5" DEEP	LF	1,463.80	\$4.65	\$6,806.67	\$8.32	\$12,178.82	(\$5,372.15)
417.21	MICRO-MILLING BITUMINOUS SURFACES	SY	196,117.70	\$0.75	\$147,088.28	\$1.27	\$249,069.48	(\$101,981.20)
417.416	RUMBLE STRIPS, 16" WIDE	LF	4,971.00	\$3.00	\$14,913.00	\$2.50	\$12,427.50	\$2,485.50
419.13	BONDED WEARING COURSE, TYPE C	TON	15,914.72	\$135.00	\$2,148,487.20	\$135.00	\$2,148,487.20	\$0.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	505.00	\$86.00	\$43,430.00	\$116.00	\$58,580.00	(\$15,150.00)
559.412	REPAIR ASPHALTIC PLUG EXPANSION JOINT (F)	LF	248.00	\$150.00	\$37,200.00	\$132.46	\$32,850.08	\$4,349.92
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	13.00	\$3,400.00	\$44,200.00	\$2,950.00	\$38,350.00	\$5,850.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	700.00	\$24.50	\$17,150.00	\$20.70	\$14,490.00	\$2,660.00
608.2401	4" CONCRETE SIDEWALK	SY	38.60	\$110.00	\$4,246.00	\$51.50	\$1,987.90	\$2,258.10
608.54	DETECTABLE WARNING DEVICES, CAST IRON	SY	5.80	\$530.00	\$3,074.00	\$450.00	\$2,610.00	\$464.00
609.5	RESET GRANITE CURB	LF	47.80	\$80.00	\$3,824.00	\$40.00	\$1,912.00	\$1,912.00
616.606	TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 6 FT	EA	2.00	\$650.00	\$1,300.00	\$820.00	\$1,640.00	(\$340.00)
616.650	TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 50 FT	EA	2.00	\$2,000.00	\$4,000.00	\$1,560.00	\$3,120.00	\$880.00
616.9501	INSTALL TRAFFIC STUDY EQUIPMENT	U	1.00	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00	\$500.00
616.9502	INSTALL TRAFFIC STUDY EQUIPMENT	U	1.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$0.00
616.9503	INSTALL TRAFFIC STUDY EQUIPMENT	U	1.00	\$9,500.00	\$9,500.00	\$10,000.00	\$10,000.00	(\$500.00)
616.9504	INSTALL TRAFFIC STUDY EQUIPMENT	U	1.00	\$9,500.00	\$9,500.00	\$10,000.00	\$10,000.00	(\$500.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	117,327.00	\$1.00	\$117,327.00	\$1.00	\$117,327.00	\$0.00

618.7	FLAGGERS	HR	1,675.00	\$36.00	\$60,300.00	\$31.50	\$52,762.50	\$7,537.50
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$675,000.00	\$675,000.00	\$600,000.00	\$600,000.00	\$75,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	10.00	\$7,500.00	\$75,000.00	\$3,032.71	\$30,327.10	\$44,672.90
619.27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	4.00	\$5,500.00	\$22,000.00	\$3,000.00	\$12,000.00	\$10,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	4.00	\$1,000.00	\$4,000.00	\$2,902.03	\$11,608.12	(\$7,608.12)
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	26.00	\$5.25	\$136.50	\$5.45	\$141.70	(\$5.20)
621.31	SINGLE DELINEATOR WITH POST	EA	69.00	\$62.50	\$4,312.50	\$48.00	\$3,312.00	\$1,000.50
621.32	DOUBLE DELINEATOR WITH POST	EA	13.00	\$68.00	\$884.00	\$52.50	\$682.50	\$201.50
628.2	SAWED BITUMINOUS PAVEMENT	LF	110.80	\$10.50	\$1,163.40	\$4.60	\$509.68	\$653.72
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	1,247.40	\$0.20	\$249.48	\$0.85	\$1,060.29	(\$810.81)
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	957,053.60	\$0.20	\$191,410.72	\$0.18	\$172,269.65	\$19,141.07
632.01069	SHORT TERM PAVEMENT MARKINGS, 6" LINE	LF	350,148.50	\$0.08	\$28,011.88	\$0.14	\$49,020.79	(\$21,008.91)
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	30,031.70	\$0.85	\$25,526.95	\$1.09	\$32,734.55	(\$7,207.60)
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	166.00	\$4.20	\$697.20	\$9.16	\$1,520.56	(\$823.36)
632.3106	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE	LF	12,849.50	\$1.90	\$24,414.05	\$1.02	\$13,106.49	\$11,307.56
632.3108	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 8" LINE	LF	105.00	\$2.70	\$283.50	\$2.44	\$256.20	\$27.30
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	15,939.10	\$4.00	\$63,756.40	\$2.75	\$43,832.53	\$19,923.87
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	333.00	\$5.40	\$1,798.20	\$10.39	\$3,459.87	(\$1,661.67)
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	146.60	\$7.50	\$1,099.50	\$10.29	\$1,508.51	(\$409.01)
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	39,091.20	\$0.65	\$25,409.28	\$0.49	\$19,154.69	\$6,254.59
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	1,000.00	\$4.70	\$4,700.00	\$5.80	\$5,800.00	(\$1,100.00)

645.531	SILT FENCE	LF	1,000.00	\$2.80	\$2,800.00	\$3.00	\$3,000.00	(\$200.00)
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	395.00	\$9.50	\$3,752.50	\$14.50	\$5,727.50	(\$1,975.00)
692.	MOBILIZATION	U	1.00	\$675,000.00	\$675,000.00	\$500,000.00	\$500,000.00	\$175,000.00
698.12	FIELD OFFICE TYPE 8	MON	19.00	\$2,400.00	\$45,600.00	\$1,980.54	\$37,630.26	\$7,969.74
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
1006.23	SPECIAL WORK - EXTRACTED AND RECOVERED ASPHALT BINDER TESTING	\$	3,100.00	\$1.00	\$3,100.00	\$1.00	\$3,100.00	\$0.00
1008.251	ALTERATIONS AND ADDITIONS AS NEEDED - TEMPORARY PEDESTRIAN ACCOMMODATIONS	\$	1,800.00	\$1.00	\$1,800.00	\$1.00	\$1,800.00	\$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	\$	58,725.37	\$1.00	\$58,725.37	\$1.00	\$58,725.37	\$0.00

Total:

\$7,791,169.24

\$7,148,344.24

\$642,825.00

October 24, 2019

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project resurfaces 2 segments of Tier 1 roads (I-89, I-93), crack seals 2 segments of Tier 1 roads (I-93, I-393) and 1 segment of Tier 2 road (US 202) throughout 4 towns in District 5. The sections total is approximately 56.7 miles in length (30.5 miles of resurfacing and 26.2 miles of crack sealing).

Paving ID	Town/City	Road	Last Paved	Proposed Work	Length	Strategy
20514	Concord-Canterbury	I-93	2016	Crack Sealing	11.8	Preservation (Crack Seal)
20515A	Concord	US 202	2015	Crack Sealing	0.8	Preservation (Crack Seal)
20515B	Concord-Pembroke	I-393	2015	Crack Sealing and Replacement of X-Lite Terminals	13.6	Preservation (Crack Seal)
20516	Concord	I-93	2011	<ul style="list-style-type: none"> Mainline: 2" Spot Inlays, Fog Seal Shoulders, Crack Filling, ¾" BWC TW + 1" Overlay. Ramps: 2" HBP Inlay. ADA Curb Ramp Upgrades Br. No. 142/116 Delta Drive over I-93: 1" paver shim 	16.3	Preservation
20517	Hopkinton	I-89	2009	<ul style="list-style-type: none"> Mainline: 2" Spot Inlays, Fog Seal Shoulders, Crack Filling, ¾" BWC TW + 1" Overlay. Ramps: 2" HBP Inlay. Hopkinton Br. No. 123/ 077 South Road over I-89: 1" Hot HBP Full Width Inlay. 	14.2	Preservation

FEDERAL FUNDING: 80% (Pave-T1-Resurface and Pave-T2-Resurface), 20% Turnpike Toll Credit

CONTINGENCY: The proposed contingency amount is 5% of the contract amount. This project was not surveyed and therefore items have been quantified based on field observations, and aerial photos only. The sections will deteriorate over the 2019-2020 winter. Field adjustments may be required due to varying field conditions.

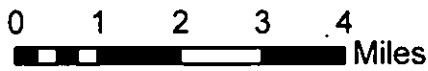
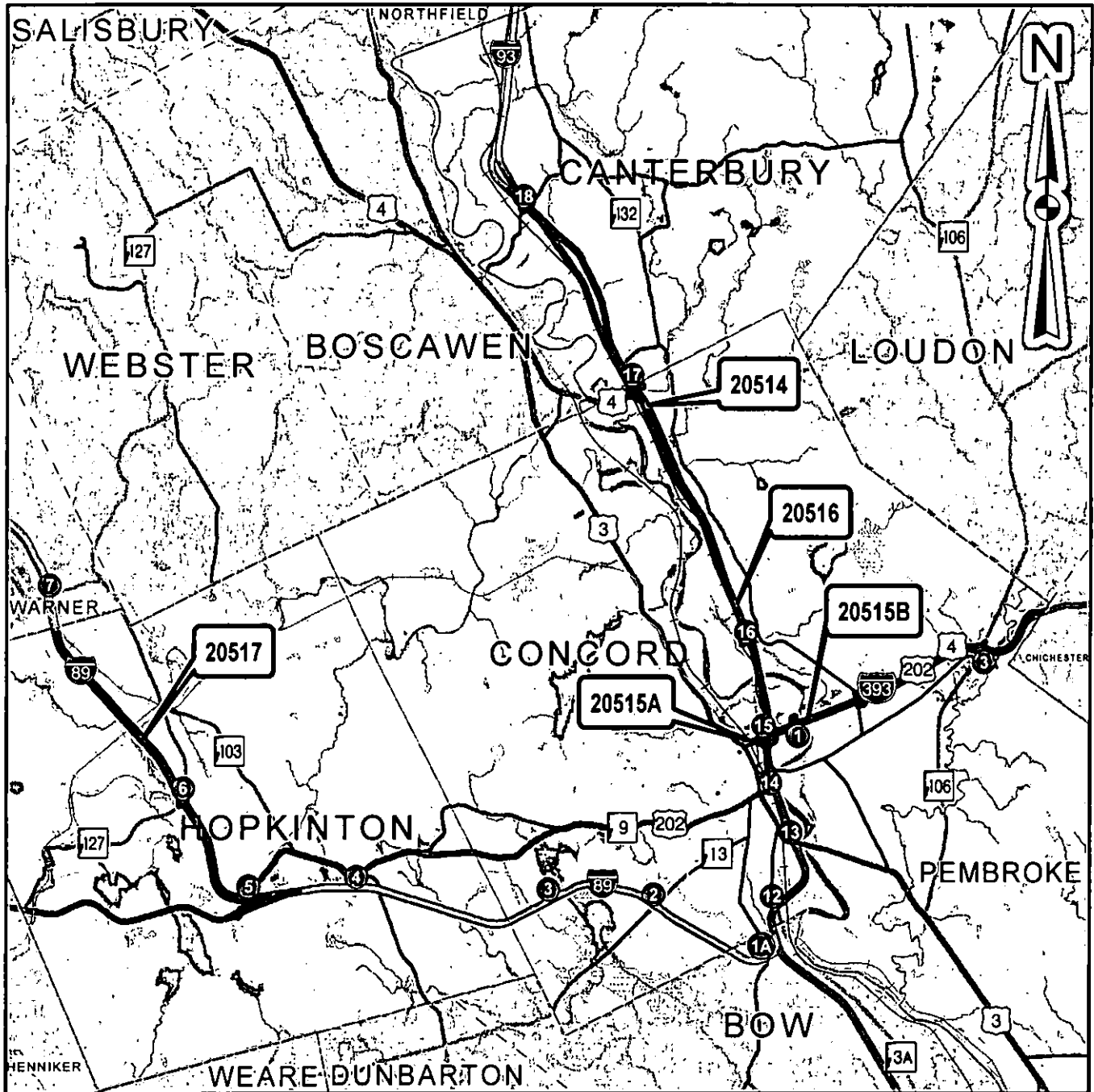
PROJECT INITIATED: 2020 Tier 1 and Tier 2 Federal Resurfacing Programs.

PROJECT EXPLANATION: As part of the annual Tier 1 & 2 Resurfacing Programs, this pavement preservation project will extend the life of the existing infrastructure, maintaining the sections in good condition, and eliminate the need for costlier improvements in the future.

TRAFFIC IMPLICATION: All work requiring a lane closure will be night work. One lane will be closed at a time on the mainline and some ramps on I-93 & I-393 during construction activities. A 16-foot minimum lane width will be maintained at all times when travel is limited to one lane. Stop and go traffic will be maintained on some ramps on I-93 & I-393. Ramps on I-89 & I-93 that require closure will be closed, one at a time, with sign detours in place to alternate exits.

FINAL COMPLETION DATE: July 30, 2021

CONCORD-HOPKINTON 41906



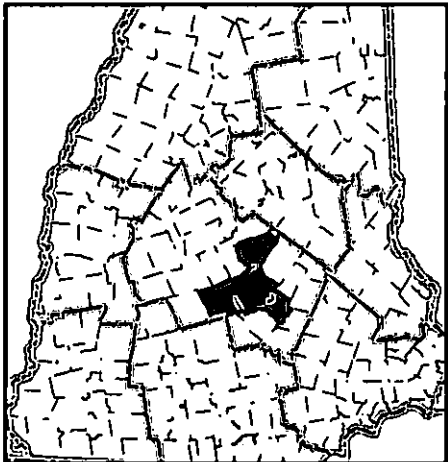
LEGEND

- 41906
- Turnpikes
- Interstates
- US Routes
- State Routes
- Unnumbered Routes
- Urban Compacts

New Hampshire
DOT
 Department of Transportation

State #: 41906
 Federal #: X-A004(775)

LOCATION MAP





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

1/3/2020

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.ceris@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: 53396273 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 INSD	SUBR WVR	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-C81-004095-119 XCU Coverage Included	9/1/2019	9/1/2020	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$250,000 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	<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"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY			AS2-C81-004095-129 AS2-C81-054502-529 Physical Damage only: Comprehensive Ded \$10,000 Collision Ded \$10,000	9/1/2019	9/1/2020	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			TL2-681-054523-929 (General Liability)	9/1/2019	9/1/2020	<input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE 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		Y/N N	WA7-C8D-004095-029 All except OH, ND, WA, WY WC7-C81-004095-019 WI, MN	9/1/2019	9/1/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER 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: Project: Concord-Hopkinton X-A004(775), 41906.
 State of New Hampshire - Department of Transportation is 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.
 30-day Notice of Cancellation/10-day nonpayment. Excess liability follows form over the General Liability and Auto Liability.

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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RAILROAD PROTECTIVE LIABILITY DECLARATIONS



Issued by Liberty Mutual Fire Insurance Company

Policy Number TE2-681-054653-820 Issuing Office Bala Cynwyd, PA
Renewal of NEW Issue Date 2020/01/16
Account Number 8-036771 Sub Account 0000

Named Insured and Mailing Address Franchise
State of New Hampshire RR and the New England Southern Railroad, their affiliates, successors, and assigns
P. O. Box 483
Concord, NH 03302

Form of Business Other

Policy Period: The policy period is from 01/13/2020 to 01/13/2021 12:01 A.M. standard time at the Insured's mailing address.

Job Location:
Concord-Hopkinton X-A004(775), 41906 Resurfacing two segments of Tier 1 roads (I-89, I-93), crack seals two segments of Tier 1 Roads (I-93, I-393) and one segments of Tier 2 road (US 202) totaling approx 56.7 miles in 4 town in D5

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 - DOT
PO Box 483
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 \$ 1,700
Endorsement Premium \$
Other Charge(s) \$
Amount Payable at Inception \$ 1,700
Policywriting Minimum Premium \$

Forms Applicable: See Attached Inventory

Producer 0002 008060
MARSH USA INC
3560 LENOX RD NE STE 2400
ATLANTA GA 30326

Countersigned By:
[Signature]

Producer

Authorized Representative

**OWNERS AND CONTRACTORS PROTECTIVE
LIABILITY DECLARATIONS**



Issued by Liberty Mutual Fire Insurance Company

Policy Number TF2-681-054653-790
Renewal of NEW
Account Number 8-036771

Issuing Office Bala Cynwyd, PA
Issue Date 2019/12/30
Sub Account 0000

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

Franchise

Form of Business Other

Policy Period: The policy period is from 01/13/2020 to 07/30/2021 12:01 A.M. standard time at the Insured's mailing address.

Designated Contractor: Pike Industries, Inc.

Mailing Address: 3 Eastgate Park Rd
Belmont, NH 03220

Location of Coverage Operations: Concord- Hopkinton X-A004(775), 41906

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 \$ 1,700
Endorsement Premium \$
Total Estimated Premium \$ 1,700
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

Producer