



THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION



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William Cass, P.E. Commissioner

David Rodrigue, P.E. Assistant Commissioner
Andre Briere, Colonel, USAF (RET) Deputy Commissioner

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

Bureau of Construction June 13, 2024

REQUESTED ACTION

1. Authorize the Department of Transportation to enter into a contract with Roadsafe Traffic Systems, Inc. (Vendor 172436) of Avon, MA, on the basis of a low bid of \$1,349,140 for removal and replacement of four (4) Dynamic Message Signs (DMS) within the Turnpikes system (Project: Eastern TPK Statewide ITS R&R #42934), from the date of Governor and Council approval through September 26, 2025, unless amended by the Department in accordance with the Standard Specifications. 100% Turnpike Funds.

Funding is available in State Fiscal Year 2025, and is anticipated to be available in Fiscal Year 2026 as follows, 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 2025, FY 2026. Includes rows for Turnpike Renewal & Replacement and Highway Contract Payments.

2. Further authorize that a contingency in the amount of \$40,474.20 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 3% of the contract amount.

Table with 2 columns: Funding description, FY 2026. Includes rows for Turnpike Renewal & Replacement and Highway Contract Payments.

EXPLANATION

This project is part of the Turnpike System's Renewal and Replacement Program. This project consists of the removal and replacement of 4 Dynamic Message Signs (DMS):

- NH 101 East-Bound at Mile Marker 130.0 in Hampton,
• Spaulding Turnpike North-Bound at Mile Marker 1.0 in Portsmouth,
• Spaulding Turnpike South-Bound at Mile Marker 7.7 in Dover,
• Blue Star Turnpike I-95 at Mile Marker 0.4 in Seabrook .

The project includes the removal of the old DMS boards and related equipment and the installation of conduit, pull boxes, ITS cabinets, solar panels, and all necessary appurtenances to provide updated modern DMS boards.

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The project is needed to replace aging equipment along the Eastern Turnpike System. This project will replace 4 of the oldest existing dynamic message signs on the Turnpike System in the same locations.

The proposed contingency amount is 3% of the contract amount. This is to account for the risks associated with changing ITS technology.

Although the bid costs exceeded the Department's estimate by 16.21%, the low bid of two bids received is felt to be reasonable for the work involved. The major items that resulted in the higher than anticipated bid were Item 615.20001 Cantilevered Sign Structure \$38,500, Item 677.1202 Permanent Dynamic Message Sign \$36,500, and Item 677.1203 Permanent Dynamic Message Sign \$33,500. 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, 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 Services' Office, and subsequent to Governor and Council approval will be on file at the Department of Transportation.

The project funding is: 0% Federal funds (100% Turnpike Renewal & Replacement (R&R)).

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,



William J. Cass, P.E.  
Commissioner

WJC/pcj

Department Estimate:	\$1,160,984.70
Contract Amount:	<u>\$1,349,140.00</u>
Over Estimate:	\$ 188,155.30
Attachments	



# ABC Bid Data

EASTERN TPK STATEWIDE ITS R&R  
42934  
NON-FEDERAL

PROJECT: EASTERN TPK STATEWIDE ITS R&R  
STATE PROJECT NUMBER: 42934  
FED. PROJECT NUMBER: NON-FEDERAL  
DATE BIDS OPEN: March 21, 2024, 2:00  
SCOPE OF WORK: Eastern TPK Statewide ITS R&R  
COMPLETION DATE: September 26, 2025  
LOCATION: Rockingham, Strafford, Belknap, Merrimack, Hillsborough, Sullivan, Coos, Carroll, Grafton, Cheshire

Awarded To: ROADS SAFE TRAFFIC SYSTEMS INC  
55 Bodwell St.  
Avon, MA 02322

Amount: \$1,053,305.00  
Award Date:

Certified by: TOBEY.L.REYNOLDS  
Director of Project Development

## Summary of Bidders

Contractor	Bid Amount	Rank
ROADSAFE TRAFFIC SYSTEMS INC 55 Bodwell St. AVON MA 02322	\$1,053,305.00	A
MOULISON ELECTRIC INC 10 IRON TRAIL ROAD, BIDDEFORD ME 04005	\$1,235,455.00	B

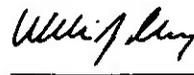
### BID AWARD

Awarded To: Roadsafe Traffic Systems, Inc.

Contract Award: \$ 1,349,140.00

Negotiated: Yes/No?: No

Alternate: Yes/No?: Yes

Authorized By: 

Date: 06/10/2024

BASE BID TOTAL: \$ 1,053,305.00

Alternate A: \$ 295,835.00

GRAND TOTAL: \$ 1,349,140.00

Item No.	Description	Unit	Quantity	P&E		ROADSAFE TRAFFIC SYSTEMS INC 55 Bodwell St. Avon, MA 02322		MOULSON ELECTRIC INC 18 IRON TRAIL ROAD BIDDEFORD, ME 04805	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

202.7	REMOVAL OF GUARDRAIL	LF	425.00	\$10.00	\$4,250.00	\$13.00	\$5,525.00	\$10.00	\$4,250.00
202.82211	REMOVE DMS STRUCTURE	U	1.00	\$12,000.00	\$12,000.00	\$13,200.00	\$13,200.00	\$15,000.00	\$15,000.00
202.82212	REMOVE DMS STRUCTURE	U	1.00	\$10,000.00	\$10,000.00	\$8,525.00	\$8,525.00	\$7,500.00	\$7,500.00
202.82213	REMOVE DMS STRUCTURE	U	1.00	\$10,000.00	\$10,000.00	\$8,300.00	\$8,300.00	\$7,500.00	\$7,500.00
202.82221	REMOVE DMS BOARD	U	1.00	\$2,000.00	\$2,000.00	\$700.00	\$700.00	\$3,500.00	\$3,500.00
202.82223	REMOVE DMS BOARD	U	1.00	\$2,000.00	\$2,000.00	\$700.00	\$700.00	\$3,500.00	\$3,500.00
202.83222	REMOVE AND SALVAGE DMS BOARD	U	1.00	\$2,000.00	\$2,000.00	\$1,050.00	\$1,050.00	\$3,500.00	\$3,500.00
203.5525	PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM	U	1.00	\$1,500.00	\$1,500.00	\$8,650.00	\$8,650.00	\$5,000.00	\$5,000.00
203.5561	EAGRT PLATFORM PREFERRED	U	2.00	\$1,500.00	\$3,000.00	\$5,225.00	\$10,450.00	\$5,000.00	\$10,000.00
206.1	COMMON STRUCTURE EXCAVATION	CY	190.00	\$56.42	\$10,719.80	\$90.00	\$17,100.00	\$85.00	\$16,150.00
206.2	ROCK STRUCTURE EXCAVATION	CY	20.00	\$90.41	\$1,808.20	\$634.50	\$12,690.00	\$250.00	\$5,000.00
503.201	COFFERDAMS	U	1.00	\$50,000.00	\$50,000.00	\$68,150.00	\$68,150.00	\$87,400.00	\$87,400.00
508.	STRUCTURAL FILL	CY	20.00	\$102.50	\$2,050.00	\$255.00	\$5,100.00	\$315.00	\$6,300.00
520.2	CONCRETE CLASS B	CY	40.00	\$575.13	\$23,005.20	\$575.00	\$23,000.00	\$850.00	\$34,000.00
544.1	REINFORCING STEEL (ROADWAY)	LB	3,850.00	\$1.89	\$7,278.50	\$2.95	\$11,357.50	\$3.50	\$13,475.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	2.00	\$4,500.00	\$9,000.00	\$6,375.00	\$12,750.00	\$5,000.00	\$10,000.00
606.1471	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (MASH MID-SPLICE)	U	2.00	\$1,500.00	\$3,000.00	\$2,635.00	\$5,270.00	\$2,500.00	\$5,000.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	425.00	\$40.00	\$17,000.00	\$51.30	\$21,802.50	\$42.00	\$17,850.00
614.72114	2" PVC CONDUIT, SCHEDULE 40	LF	353.00	\$10.00	\$3,530.00	\$11.00	\$3,883.00	\$30.00	\$10,590.00
615.20001	CANTILEVER TRAFFIC SIGN STRUCTURE	U	1.00	\$105,000.00	\$105,000.00	\$143,500.00	\$143,500.00	\$110,000.00	\$110,000.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	50,000.00	\$1.00	\$50,000.00	\$1.00	\$50,000.00	\$1.00	\$50,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$30,000.00	\$30,000.00	\$43,500.00	\$43,500.00	\$50,000.00	\$50,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$2,000.00	\$4,000.00	\$4,000.00	\$8,000.00	\$2,500.00	\$5,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$2,000.00	\$4,000.00	\$3,375.00	\$6,750.00	\$3,000.00	\$6,000.00

Item No.	Description	Unit	Quantity	P&E		ROADSAFE TRAFFIC SYSTEMS INC 55 Bedwell St. Ave., MA 02322		MOULSON ELECTRIC INC 19 IRON TRAIL ROAD BIDDEFORD, ME 04005	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$5,000.00	\$10,000.00	\$3,000.00	\$6,000.00	\$10,500.00	\$21,000.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	10.00	\$10.00	\$100.00	\$11.50	\$115.00	\$15.00	\$150.00
621.31	SINGLE DELINEATOR WITH POST	EA	3.00	\$65.00	\$195.00	\$87.75	\$263.25	\$65.00	\$195.00
621.32	DOUBLE DELINEATOR WITH POST	EA	3.00	\$70.00	\$210.00	\$101.25	\$303.75	\$75.00	\$225.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	675.00	\$7.00	\$4,725.00	\$14.50	\$9,787.50	\$10.00	\$6,750.00
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	1,694.00	\$9.00	\$15,246.00	\$5.00	\$8,470.00	\$30.00	\$50,820.00
677.1201	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN (DMS)	U	1.00	\$75,000.00	\$75,000.00	\$108,500.00	\$108,500.00	\$95,000.00	\$95,000.00
677.1202	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN (DMS)	U	1.00	\$75,000.00	\$75,000.00	\$111,500.00	\$111,500.00	\$95,000.00	\$95,000.00
677.12101	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN (DMS - OHSS)	U	1.00	\$200,000.00	\$200,000.00	\$138,900.00	\$138,900.00	\$120,000.00	\$120,000.00
677.317	RELOCATE WIRELESS COMMUNICATIONS EQUIPMENT	U	2.00	\$5,000.00	\$10,000.00	\$6,375.00	\$12,750.00	\$1,500.00	\$3,000.00
677.54101	GROUND MOUNTED ITS EQUIPMENT CABINET	U	2.00	\$8,500.00	\$17,000.00	\$10,450.00	\$20,900.00	\$35,500.00	\$71,000.00
677.5812	1 GBPS ETHERNET SWITCH	EA	1.00	\$3,500.00	\$3,500.00	\$1,795.00	\$1,795.00	\$15,000.00	\$15,000.00
677.67201	SOLAR POWERED SYSTEM (POLE MOUNTED)	U	1.00	\$42,500.00	\$42,500.00	\$58,750.00	\$58,750.00	\$125,000.00	\$125,000.00
677.9306	3-CONDUCTOR #6 AWG CABLE	LF	170.00	\$9.00	\$1,530.00	\$7.75	\$1,317.50	\$5.00	\$850.00
692.	MOBILIZATION	U	1.00	\$60,000.00	\$60,000.00	\$50,000.00	\$50,000.00	\$104,950.00	\$104,950.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00
1008.11	ALTERATIONS AND ADDITIONS AS NEEDED - UNANTICIPATED WORK	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00
1010.15	FUEL ADJUSTMENT	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00
<b>Totals:</b>					<b>\$922,145.70</b>		<b>\$1,053,305.00</b>		<b>\$1,235,455.00</b>

Alternate A

ITS

203.5561	EAGRT PLATFORM PREFERRED	U	1.00	\$1,500.00	\$1,500.00	\$5,225.00	\$5,225.00	\$5,000.00	\$5,000.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	1.00	\$4,500.00	\$4,500.00	\$6,375.00	\$6,375.00	\$5,000.00	\$5,000.00
606.1471	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (MASH MID-SPLICE)	U	1.00	\$1,500.00	\$1,500.00	\$2,635.00	\$2,635.00	\$2,500.00	\$2,500.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	225.00	\$40.00	\$9,000.00	\$51.30	\$11,542.50	\$42.00	\$9,450.00

# ABC Bid Data

EASTERN TPK STATEWIDE ITS R&R

42934

NON-FEDERAL

Item No.	Description	Unit	Quantity	P&E		ROADSAFE TRAFFIC SYSTEMS INC 55 Bodwell BL Avon, MA 02322		MOULSON ELECTRIC INC 19 IRON TRAIL ROAD BIDDEFORD, ME 04805	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	750.00	\$40.00	\$30,000.00	\$43.20	\$32,400.00	\$50.00	\$37,500.00
606.9522	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 2	U	1.00	\$7,000.00	\$7,000.00	\$3,295.00	\$3,295.00	\$3,500.00	\$3,500.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	1.00	\$8,000.00	\$8,000.00	\$4,650.00	\$4,650.00	\$3,500.00	\$3,500.00
614.72114	2" PVC CONDUIT, SCHEDULE 40	LF	90.00	\$10.00	\$900.00	\$11.00	\$990.00	\$30.00	\$2,700.00
619.11	MAINTENANCE OF TRAFFIC	U	1.00	\$10,000.00	\$10,000.00	\$14,500.00	\$14,500.00	\$20,000.00	\$20,000.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	225.00	\$7.00	\$1,575.00	\$14.50	\$3,262.50	\$10.00	\$2,250.00
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	556.00	\$9.00	\$5,004.00	\$5.00	\$2,780.00	\$30.00	\$16,680.00
677.1203	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN (DMS)	U	1.00	\$75,000.00	\$75,000.00	\$108,500.00	\$108,500.00	\$85,000.00	\$85,000.00
677.317	RELOCATE WIRELESS COMMUNICATIONS EQUIPMENT	U	1.00	\$5,000.00	\$5,000.00	\$6,375.00	\$6,375.00	\$1,500.00	\$1,500.00
677.54101	GROUND MOUNTED ITS EQUIPMENT CABINET	U	1.00	\$8,500.00	\$8,500.00	\$10,450.00	\$10,450.00	\$35,500.00	\$35,500.00
677.5812	1 GBPS ETHERNET SWITCH	EA	1.00	\$3,500.00	\$3,500.00	\$1,795.00	\$1,795.00	\$15,000.00	\$15,000.00
677.67201	SOLAR POWERED SYSTEM (POLE MOUNTED)	U	1.00	\$42,500.00	\$42,500.00	\$58,750.00	\$58,750.00	\$125,000.00	\$125,000.00
677.9306	3-CONDUCTOR #6 AWG CABLE	LF	40.00	\$9.00	\$360.00	\$7.75	\$310.00	\$5.00	\$200.00
692.1	MOBILIZATION	U	1.00	\$20,000.00	\$20,000.00	\$17,000.00	\$17,000.00	\$40,000.00	\$40,000.00
1010.15	FUEL ADJUSTMENT	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00

Alt. Totals:	\$238,839.00	\$295,835.00	\$415,280.00
Totals:	\$1,160,984.70	\$1,349,140.00	\$1,650,735.00



# PS&E Comparison

EASTERN TPK STATEWIDE ITS R&R

42934

NON-FEDERAL

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
<b>Items</b>								
202.7	REMOVAL OF GUARDRAIL	LF	425.00	\$13.00	\$5,525.00	\$10.00	\$4,250.00	\$1,275.00
202.82211	REMOVE DMS STRUCTURE	U	1.00	\$13,200.00	\$13,200.00	\$12,000.00	\$12,000.00	\$1,200.00
202.82212	REMOVE DMS STRUCTURE	U	1.00	\$8,525.00	\$8,525.00	\$10,000.00	\$10,000.00	(\$1,475.00)
202.82213	REMOVE DMS STRUCTURE	U	1.00	\$6,300.00	\$6,300.00	\$10,000.00	\$10,000.00	(\$3,700.00)
202.82221	REMOVE DMS BOARD	U	1.00	\$700.00	\$700.00	\$2,000.00	\$2,000.00	(\$1,300.00)
202.82223	REMOVE DMS BOARD	U	1.00	\$700.00	\$700.00	\$2,000.00	\$2,000.00	(\$1,300.00)
202.83222	REMOVE AND SALVAGE DMS BOARD	U	1.00	\$1,050.00	\$1,050.00	\$2,000.00	\$2,000.00	(\$950.00)
203.5525	PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM	U	1.00	\$6,650.00	\$6,650.00	\$1,500.00	\$1,500.00	\$5,150.00
203.5561	EAGRT PLATFORM PREFERRED	U	2.00	\$5,225.00	\$10,450.00	\$1,500.00	\$3,000.00	\$7,450.00
206.1	COMMON STRUCTURE EXCAVATION	CY	190.00	\$90.00	\$17,100.00	\$56.42	\$10,719.80	\$6,380.20
206.2	ROCK STRUCTURE EXCAVATION	CY	20.00	\$634.50	\$12,690.00	\$90.41	\$1,808.20	\$10,881.80
503.201	COFFERDAMS	U	1.00	\$66,150.00	\$66,150.00	\$50,000.00	\$50,000.00	\$16,150.00
508.	STRUCTURAL FILL	CY	20.00	\$255.00	\$5,100.00	\$102.50	\$2,050.00	\$3,050.00
520.2	CONCRETE CLASS B	CY	40.00	\$575.00	\$23,000.00	\$575.13	\$23,005.20	(\$5.20)
544.1	REINFORCING STEEL (ROADWAY)	LB	3,850.00	\$2.95	\$11,357.50	\$1.89	\$7,276.50	\$4,081.00

## PS&E Comparison

EASTERN TPK STATEWIDE ITS R&R

42934

NON-FEDERAL

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	2.00	\$6,375.00	\$12,750.00	\$4,500.00	\$9,000.00	\$3,750.00
606.1471	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (MASH MID-SPLICE)	U	2.00	\$2,635.00	\$5,270.00	\$1,500.00	\$3,000.00	\$2,270.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	425.00	\$51.30	\$21,802.50	\$40.00	\$17,000.00	\$4,802.50
614.72114	2" PVC CONDUIT, SCHEDULE 40	LF	353.00	\$11.00	\$3,883.00	\$10.00	\$3,530.00	\$353.00
615.20001	CANTILEVER TRAFFIC SIGN STRUCTURE	U	1.00	\$143,500.00	\$143,500.00	\$105,000.00	\$105,000.00	\$38,500.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	50,000.00	\$1.00	\$50,000.00	\$1.00	\$50,000.00	\$0.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$43,500.00	\$43,500.00	\$30,000.00	\$30,000.00	\$13,500.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$4,000.00	\$8,000.00	\$2,000.00	\$4,000.00	\$4,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$3,375.00	\$6,750.00	\$2,000.00	\$4,000.00	\$2,750.00
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$3,000.00	\$6,000.00	\$5,000.00	\$10,000.00	(\$4,000.00)
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	10.00	\$11.50	\$115.00	\$10.00	\$100.00	\$15.00
621.31	SINGLE DELINEATOR WITH POST	EA	3.00	\$87.75	\$263.25	\$65.00	\$195.00	\$68.25
621.32	DOUBLE DELINEATOR WITH POST	EA	3.00	\$101.25	\$303.75	\$70.00	\$210.00	\$93.75
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	675.00	\$14.50	\$9,787.50	\$7.00	\$4,725.00	\$5,062.50
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	1,694.00	\$5.00	\$8,470.00	\$9.00	\$15,246.00	(\$6,776.00)
677.1201	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN (DMS)	U	1.00	\$108,500.00	\$108,500.00	\$75,000.00	\$75,000.00	\$33,500.00



# PS&E Comparison

EASTERN TPK STATEWIDE ITS R&R

42934

NON-FEDERAL

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
677.1202	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN (DMS)	U	1.00	\$111,500.00	\$111,500.00	\$75,000.00	\$75,000.00	\$36,500.00
677.12101	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN (DMS - OHSS)	U	1.00	\$138,900.00	\$138,900.00	\$200,000.00	\$200,000.00	(\$61,100.00)
677.317	RELOCATE WIRELESS COMMUNICATIONS EQUIPMENT	U	2.00	\$6,375.00	\$12,750.00	\$5,000.00	\$10,000.00	\$2,750.00
677.54101	GROUND MOUNTED ITS EQUIPMENT CABINET	U	2.00	\$10,450.00	\$20,900.00	\$8,500.00	\$17,000.00	\$3,900.00
677.5812	1 GBPS ETHERNET SWITCH	EA	1.00	\$1,795.00	\$1,795.00	\$3,500.00	\$3,500.00	(\$1,705.00)
677.67201	SOLAR POWERED SYSTEM (POLE MOUNTED)	U	1.00	\$58,750.00	\$58,750.00	\$42,500.00	\$42,500.00	\$16,250.00
677.9306	3-CONDUCTOR #6 AWG CABLE	LF	170.00	\$7.75	\$1,317.50	\$9.00	\$1,530.00	(\$212.50)
692.	MOBILIZATION	U	1.00	\$50,000.00	\$50,000.00	\$60,000.00	\$60,000.00	(\$10,000.00)
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$0.00
1008.11	ALTERATIONS AND ADDITIONS AS NEEDED - UNANTICIPATED WORK	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00	\$0.00

## Alternate A

### ITS

203.5561	EAGRT PLATFORM PREFERRED	U	1.00	\$5,225.00	\$5,225.00	\$1,500.00	\$1,500.00	\$3,725.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	1.00	\$6,375.00	\$6,375.00	\$4,500.00	\$4,500.00	\$1,875.00

## PS&E Comparison

EASTERN TPK STATEWIDE ITS R&R

42934

NON-FEDERAL

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
606.1471	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (MASH MID-SPLICE)	U	1.00	\$2,635.00	\$2,635.00	\$1,500.00	\$1,500.00	\$1,135.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	225.00	\$51.30	\$11,542.50	\$40.00	\$9,000.00	\$2,542.50
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	750.00	\$43.20	\$32,400.00	\$40.00	\$30,000.00	\$2,400.00
606.9522	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 2	U	1.00	\$3,295.00	\$3,295.00	\$7,000.00	\$7,000.00	(\$3,705.00)
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	1.00	\$4,650.00	\$4,650.00	\$8,000.00	\$8,000.00	(\$3,350.00)
614.72114	2" PVC CONDUIT, SCHEDULE 40	LF	90.00	\$11.00	\$990.00	\$10.00	\$900.00	\$90.00
619.11	MAINTENANCE OF TRAFFIC	U	1.00	\$14,500.00	\$14,500.00	\$10,000.00	\$10,000.00	\$4,500.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	225.00	\$14.50	\$3,262.50	\$7.00	\$1,575.00	\$1,687.50
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	556.00	\$5.00	\$2,780.00	\$9.00	\$5,004.00	(\$2,224.00)
677.1203	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN (DMS)	U	1.00	\$108,500.00	\$108,500.00	\$75,000.00	\$75,000.00	\$33,500.00
677.317	RELOCATE WIRELESS COMMUNICATIONS EQUIPMENT	U	1.00	\$6,375.00	\$6,375.00	\$5,000.00	\$5,000.00	\$1,375.00
677.54101	GROUND MOUNTED ITS EQUIPMENT CABINET	U	1.00	\$10,450.00	\$10,450.00	\$8,500.00	\$8,500.00	\$1,950.00
677.5812	1 GBPS ETHERNET SWITCH	EA	1.00	\$1,795.00	\$1,795.00	\$3,500.00	\$3,500.00	(\$1,705.00)
677.67201	SOLAR POWERED SYSTEM (POLE MOUNTED)	U	1.00	\$58,750.00	\$58,750.00	\$42,500.00	\$42,500.00	\$16,250.00
677.9306	3-CONDUCTOR #6 AWG CABLE	LF	40.00	\$7.75	\$310.00	\$9.00	\$360.00	(\$50.00)
692.1	MOBILIZATION	U	1.00	\$17,000.00	\$17,000.00	\$20,000.00	\$20,000.00	(\$3,000.00)



# PS&E Comparison

EASTERN TPK STATEWIDE ITS R&R  
 42934  
 NON-FEDERAL

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
1010.15	FUEL ADJUSTMENT	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$0.00
<b>Total:</b>					\$1,349,140.00		\$1,160,984.70	\$188,155.30

January 24, 2024

## SUPPLEMENTAL PROJECT INFORMATION SHEET

**DESCRIPTION:** This project consists of the removal and replacement of 4 Dynamic Message Signs (DMS):

- NH 101 EB at MM 130.0 in Hampton (from an OHSS to a Ground Mount)
- Spaulding Turnpike NB at MM 1.0 in Portsmouth (from a Cantilever to a Cantilever)
- Spaulding Turnpike SB at MM 7.7 in Dover (from a Cantilever to a Ground Mount)
- Blue Star Turnpike I-95 at MM 0.4 in Seabrook (replace portable message board with a Ground Mount)

This project involves the installation of conduit, pull boxes, ITS cabinets, solar panels, and all necessary appurtenances to provide updated modern DMS boards. The project also includes the removal of the old DMS boards and related equipment.

**FEDERAL FUNDING:** 0% (100% Turnpike Renewal & Replacement (R&R))

**CONTINGENCY:** The proposed contingency amount is 3% of the contract amount. This is to account for the risks associated with changing ITS technology.

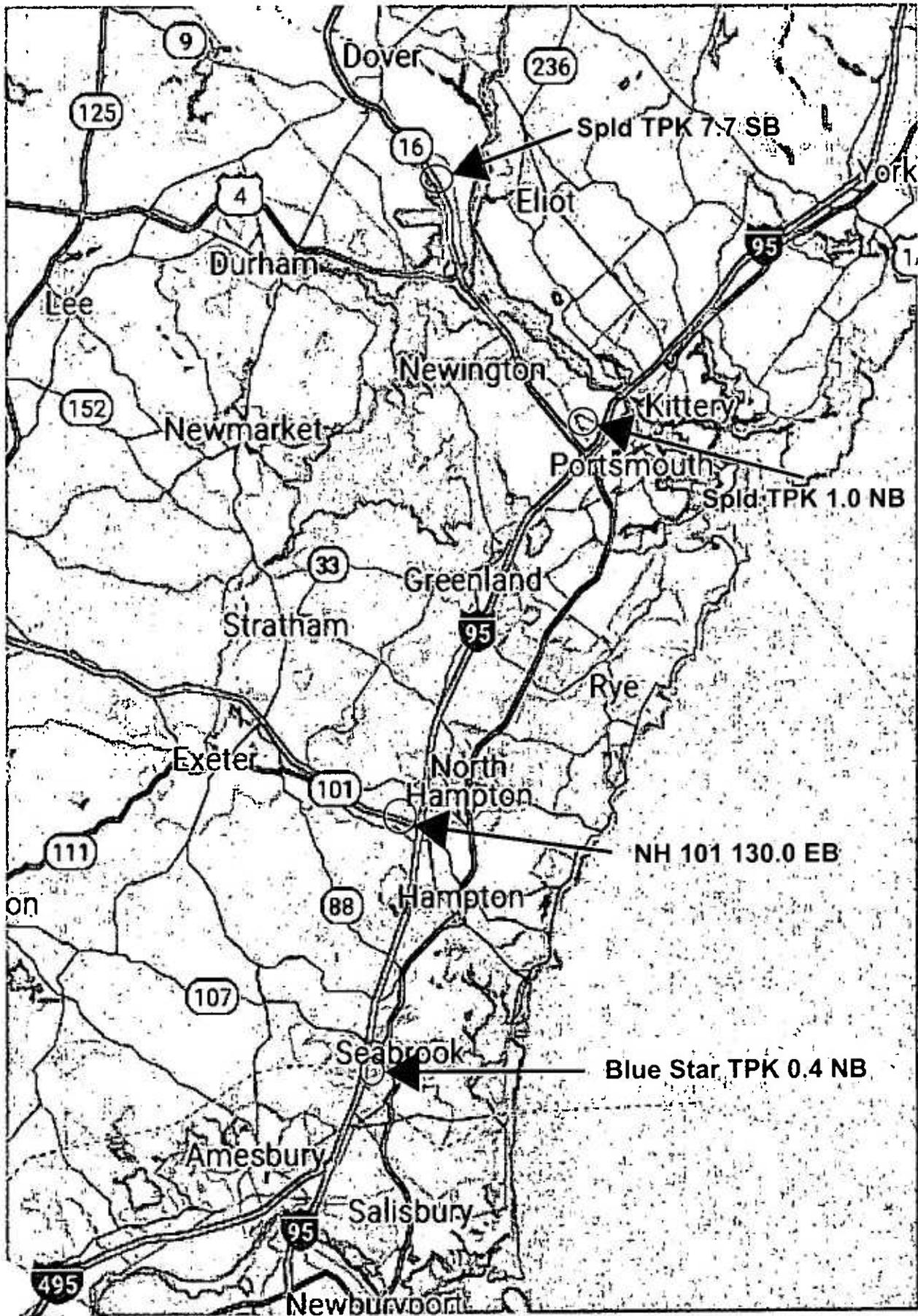
**PROJECT INITIATED:** Turnpike R&R

**PROJECT EXPLANATION:** The project is needed to replace aging ITS equipment along the eastern Turnpike System. This project will replace the 4 of the oldest existing DMS on the Turnpike system with 4 new modern DMS in the same locations.

**TRAFFIC IMPLICATION:** The Traffic Control Committee designated the project as “Non-Significant” on September 17, 2020. Construction is expected to occur in the summer of 2024. There will be a 10 mph reduced speed limit at all 4 locations. The work will likely involve closing the shoulder in most locations, however the NH 101 location will require a nighttime rolling roadblock for the removal of the existing OHSS, the Spaulding TPK MM 1.0 location will likely require a lane shift during daytime operations, the Spaulding TPK MM 7.7 location will require a daytime lane closure, and the Blue Star TPK I-95 MM 0.4 will require a daytime shoulder closure.

**COMPLETION DATE:** September 26, 2025

# EASTERN TPK STATEWIDE ITS R&R - 42934



# State of New Hampshire

## Department of State

### CERTIFICATE

I, David M. Scanlan, Secretary of State of the State of New Hampshire, do hereby certify that ROADS SAFE TRAFFIC SYSTEMS, INC. is a Delaware Profit Corporation registered to transact business in New Hampshire on January 28, 2008. 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: 590511

Certificate Number: 0006669419



IN TESTIMONY WHEREOF,  
I hereto set my hand and cause to be affixed  
the Seal of the State of New Hampshire,  
this 16th day of April A.D. 2024.

A handwritten signature in black ink, appearing to read "David M. Scanlan".

David M. Scanlan  
Secretary of State



*Life on the road* 8750 W Bryn Mawr Avenue · Suite 400 · Chicago, IL 60631

**CERTIFIED RESOLUTION**

I, Margaret E. Bennett, Secretary of RoadSafe Traffic Systems, Inc., a corporation organized and existing under the laws of the State of Delaware (the "Company"), do hereby certify that the following is a true and correct copy of a resolution duly adopted at a meeting of the Board of Directors of the Company duly held and convened on November 16, 2023, at which meeting a duly constituted quorum of the Board of Directors was present and acting throughout, and that such resolution has not been modified, rescinded or revoked, and is at present in full force and effect:

**RESOLVED:** That Mark Di Martino, as a Branch Manager of the Company, is empowered and authorized to execute and deliver contracts, bids, documents, bonds, proposals, purchase orders, estimates, change orders, releases, waivers of lien on behalf of the Company in the States of Rhode Island, New Hampshire, Connecticut and Massachusetts in accord with the Company's Contract Signing Authority Policy.

**IN WITNESS WHEREOF**, the undersigned has affixed her signature this 16th day of APRIL, 2024.

  
\_\_\_\_\_  
Margaret E. Bennett, Secretary

Seal:



# CERTIFICATE OF LIABILITY INSURANCE

10/3/2024

DATE (MM/DD/YYYY)

4/26/2024

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).

<b>PRODUCER</b> Lockton Companies 1185 Avenue of the Americas, Suite 2010 New York NY 10036 646-572-7300	<b>CONTACT NAME:</b> PHONE: (A/C No. Ext): E-MAIL: ADDRESS:		<b>FAX (A/C No.):</b>
	<b>INSURER(S) AFFORDING COVERAGE</b>		
<b>INSURED</b> 1483533 ROADS SAFE TRAFFIC SYSTEMS, INC. 55 BODWELL STREET AVON MA 02322	<b>INSURER A:</b> National Union Fire Ins Co Pitts. PA		19445
	<b>INSURER B:</b> Mercer Insurance Company		14478
	<b>INSURER C:</b> AIU Insurance Company		19399
	<b>INSURER D:</b> AXIS Surplus Insurance Company		26620
	<b>INSURER E:</b> Steadfast Insurance Company		26387
	<b>INSURER F:</b>		

**COVERAGES** ROAHO01      **CERTIFICATE NUMBER:** 20528723      **REVISION NUMBER:** XXXXXXXX

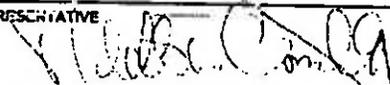
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE 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	ADOL INSD	SUBR 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  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y	N	GL 9941248	10/3/2023	10/3/2024	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 5,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY <input type="checkbox"/> AUTOS ONLY	Y	N	AL 7620241-(AOS) AL 7620242 (MA)	10/3/2023 10/3/2023	10/3/2024 10/3/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 3,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED    RETENTION \$	Y	N	20000000479	10/3/2023	10/3/2024	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$ XXXXXXXX
C	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N    N/A		N	WC 049154400(AOS)	10/3/2023	10/3/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 2,000,000 E.L. DISEASE - EA EMPLOYEE \$ 2,000,000 E.L. DISEASE - POLICY LIMIT \$ 2,000,000
D	EXCESS GENERAL LIAB.	Y	N	P-001-000044004-06	10/3/2023	10/3/2024	\$3,000,000 Occ/\$6,000,000 Gen. Agg
E	EXCESS AUTO			SXS 3083708 -01	10/3/2023	10/3/2024	\$3,000,000 P/C Ops Agg \$2,000,000 each occ

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**  
 Re: Project name: EASTERN TPK STATEWIDE ITS R&R, Project location: Statewide, Project description: EASTERN TPK STATEWIDE ITS R&R, Contract #: 42934, Contract date: 4/16/2024.

State of New Hampshire Department of Transportation is included as additional insured with regards to General Liability, Automobile Liability and Umbrella Liability on a primary and non-contributory basis if required by written contract. 30 days' notice of cancellation applies except for 10 days non-payment of premium.

**CERTIFICATE HOLDER****CANCELLATION** See Attachments

<b>20528723</b> The State of New Hampshire Department of Transportation John O. Morton Building, 7 Hazen Drive, P.O. Box 483 Concord, NH 03302-0483	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 



# CERTIFICATE OF LIABILITY INSURANCE

10/3/2024

DATE (MM/DD/YYYY)

4/25/2024

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).

<b>PRODUCER</b> Lockton Companies 1185 Avenue of the Americas, Suite 2010 New York NY 10036 646-572-7300	<b>CONTACT NAME:</b> _____	
	<b>PHONE (A/C, No, Ext):</b> _____	<b>FAX (A/C, No):</b> _____
<b>ADDRESS:</b> _____		
<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
<b>INSURER A:</b> National Union Fire Ins Co Pitts. PA		19445
<b>INSURER B:</b> _____		
<b>INSURER C:</b> _____		
<b>INSURER D:</b> _____		
<b>INSURER E:</b> _____		
<b>INSURER F:</b> _____		

**COVERAGES**      **CERTIFICATE NUMBER:** 20528927      **REVISION NUMBER:** XXXXXXXX

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 W/D	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> OCP GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER: _____	N	N	9952713	4/16/2024	10/3/2024	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ XXXXXXXX MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ XXXXXXXX GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ XXXXXXXX \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY			NOT APPLICABLE			COMBINED SINGLE LIMIT (Ea accident) \$ XXXXXXXX BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED _____ RETENTION \$ _____			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	NOT APPLICABLE			PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ XXXXXXXX E.L. DISEASE - EA EMPLOYEE \$ XXXXXXXX E.L. DISEASE - POLICY LIMIT \$ XXXXXXXX

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

### CERTIFICATE HOLDER

### CANCELLATION

**20528927**  
 The State of New Hampshire  
 Department of Transportation  
 John O. Morton Building,  
 7 Hazen Drive, P.O. Box 483  
 Concord, NH 03302-0483

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  
