

Jan



Victoria F. Sheehan
Commissioner

THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

26



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
October 20, 2022

REQUESTED ACTION

1. Authorize the Department of Transportation to enter into a contract with New England Signal Systems, Inc. (Vendor 174153) of Northwood, NH, on the basis of a low bid of \$1,078,968.60 for construction of Weigh-in-Motion Stations in the cities/towns of Concord, Hampton Falls, Manchester and Hopkinton (Project: Statewide 43931) from the date of Governor and Council approval through October 25, 2024, unless amended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available in State Fiscal Year 2023, and is anticipated to be available in Fiscal Years 2024 and 2025 as follows, with the ability to adjust encumbrances through the Budget Office between State Fiscal Years if needed and justified:

Funding is available as follows:	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>
04-96-96-963515-3054			
Consolidated Federal Aid			
400-500870 Highway Contract Payments	\$457,482.69	\$466,114.44	\$155,371.47

2. Further authorize that a contingency in the amount of \$107,896.86 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 10% of the contract amount.

Funding is available as follows:	<u>FY 2025</u>
04-96-96-963515-3054	
Consolidated Federal Aid	
400-500870 Highway Contract Payments	\$107,896.86

EXPLANATION

This project is part of the State's Ten-Year Transportation Improvement Plan. This project consists of construction of permanent Weigh-in-Motion (WIM) Stations for Traffic Data Collection to replace obsolete and non-functional WIM Stations at the following locations:

- Concord, I-393, Weigh-in-Motion EB&WB, MM 2.85
- Hampton Falls, I-95, Weigh-in-Motion NB&SB, MM 1.81
- Manchester, I-93, Weigh-in-Motion NB, MM 22.7
- Hopkinton, I-89, Weigh-in-Motion NB&SB, MM 6.2

Construct Permanent Weigh-in-Motion (WIM) Stations to enable continuous traffic data collection in support of Highway Performance Monitoring Program (HPMS) reporting requirements, traffic forecasting, and pavement design.

The proposed contingency amount is 10% of the contract amount. This is to account for the risks associated with unanticipated traffic control needs and encountering latent conditions during excavation and horizontal directional borings.

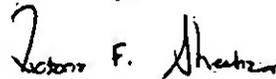
The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General as to form and execution, and the Department has certified that the necessary funds are available and the bid reasonably conforms to the engineer's estimate in accordance with State procedure. 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 (Federal-Aid Other), with anticipated utilization of Turnpike Toll Credits 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.

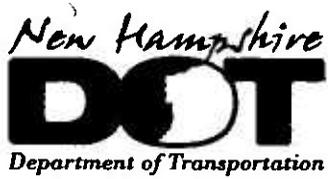
Sincerely,



Victoria F. Sheehan
Commissioner

VFS/pcj

Department Estimate: \$1,874,400.00
Contract Amount: \$1,078,968.60
Under Estimate: \$ 795,431.40
Attachments



ABC Bid Data

STATEWIDE
43931
X-A005(256)

PROJECT: STATEWIDE
STATE PROJECT NUMBER: 43931
FED. PROJECT NUMBER: X-A005(256)
DATE BIDS OPEN: October 06, 2022, 2:00
SCOPE OF WORK: Construct Weigh-in-Motion Stations for Traffic Data Collection
COMPLETION DATE: October 25, 2024
LOCATION: District 5, Rockingham, Merrimack, Hillsborough

Awarded To: NEW ENGLAND SIGNAL SYSTEMS INC
616 First NH Turnpike
NORTHWOOD, NH 03261-0326

Amount: \$1,078,968.60

Award Date:

Certified by: PETER.E.STAMNAS
Director of Project Development

Summary of Bidders

Contractor	Bid Amount	Rank
NEW ENGLAND SIGNAL SYSTEMS INC 616 First NH Turnpike, NORTHWOOD NH 03261-0326	\$1,078,968.60	A
DAGLE ELECTRICAL CONSTRUCTION CORP 68 INDUSTRIAL WAY, WILMINGTON MA 01887	\$1,737,300.00	B

Item No.	Description	Unit	Quantity	P&E		NEW ENGLAND SIGNAL SYSTEMS INC 818 First NH Turnpike NORTHWOOD, NH 03291-0328		DADLE ELECTRICAL CONSTRUCTION CORP 88 INDUSTRIAL WAY WILMINGTON, MA 01887	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

201.882	INVASIVE SPECIES CONTROL TYPE II	SY	70.00	\$20.00	\$1,400.00	\$25.38	\$1,776.60	\$60.00	\$4,200.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	60.00	\$125.00	\$7,500.00	\$10.00	\$600.00	\$60.00	\$3,600.00
614.612	CONCRETE PULL BOX 18"	EA	18.00	\$1,025.00	\$16,400.00	\$950.00	\$15,200.00	\$2,500.00	\$40,000.00
616.9601	WEIGH-IN-MOTION TRAFFIC STUDY EQUIPMENT	U	1.00	\$320,000.00	\$320,000.00	\$182,763.00	\$182,763.00	\$296,150.00	\$296,150.00
616.9602	WEIGH-IN-MOTION TRAFFIC STUDY EQUIPMENT	U	1.00	\$640,000.00	\$640,000.00	\$284,966.00	\$284,966.00	\$548,700.00	\$548,700.00
616.9603	WEIGH-IN-MOTION TRAFFIC STUDY EQUIPMENT	U	1.00	\$240,000.00	\$240,000.00	\$115,300.00	\$115,300.00	\$228,500.00	\$228,500.00
616.9604	WEIGH-IN-MOTION TRAFFIC STUDY EQUIPMENT	U	1.00	\$320,000.00	\$320,000.00	\$182,763.00	\$182,763.00	\$296,150.00	\$296,150.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	24,000.00	\$1.00	\$24,000.00	\$1.00	\$24,000.00	\$1.00	\$24,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$98,600.00	\$98,600.00	\$120,000.00	\$120,000.00	\$54,000.00	\$54,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$2,000.00	\$4,000.00	\$800.00	\$1,600.00	\$15,000.00	\$30,000.00
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$15,000.00	\$30,000.00	\$1,500.00	\$3,000.00	\$20,000.00	\$40,000.00
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	1,500.00	\$15.00	\$22,500.00	\$3.00	\$4,500.00	\$18.00	\$27,000.00
671.62103	3" HDPE CONDUIT (DIRECTIONAL DRILL)	LF	800.00	\$90.00	\$72,000.00	\$95.00	\$76,000.00	\$80.00	\$64,000.00
692.	MOBILIZATION	U	1.00	\$70,000.00	\$70,000.00	\$60,000.00	\$60,000.00	\$66,000.00	\$66,000.00
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$3,000.00	\$3,000.00	\$1,500.00	\$1,500.00	\$10,000.00	\$10,000.00
1010.15	FUEL ADJUSTMENT	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00

Totals:	\$1,874,400.00	\$1,078,968.60	\$1,737,300.00
Alt. Totals:			
Totals:	\$1,874,400.00	\$1,078,968.60	\$1,737,300.00



PS&E Comparison

STATEWIDE
43931
X-A005(256)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
Items								
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	70.00	\$25.38	\$1,776.60	\$20.00	\$1,400.00	\$376.60
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	60.00	\$10.00	\$600.00	\$125.00	\$7,500.00	(\$6,900.00)
614.512	CONCRETE PULL BOX 18"	EA	16.00	\$950.00	\$15,200.00	\$1,025.00	\$16,400.00	(\$1,200.00)
616.9601	WEIGH-IN-MOTION TRAFFIC STUDY EQUIPMENT	U	1.00	\$182,763.00	\$182,763.00	\$320,000.00	\$320,000.00	(\$137,237.00)
616.9602	WEIGH-IN-MOTION TRAFFIC STUDY EQUIPMENT	U	1.00	\$284,966.00	\$284,966.00	\$640,000.00	\$640,000.00	(\$355,034.00)
616.9603	WEIGH-IN-MOTION TRAFFIC STUDY EQUIPMENT	U	1.00	\$115,300.00	\$115,300.00	\$240,000.00	\$240,000.00	(\$124,700.00)
616.9604	WEIGH-IN-MOTION TRAFFIC STUDY EQUIPMENT	U	1.00	\$182,763.00	\$182,763.00	\$320,000.00	\$320,000.00	(\$137,237.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	24,000.00	\$1.00	\$24,000.00	\$1.00	\$24,000.00	\$0.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$120,000.00	\$120,000.00	\$98,600.00	\$98,600.00	\$21,400.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$800.00	\$1,600.00	\$2,000.00	\$4,000.00	(\$2,400.00)
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$1,500.00	\$3,000.00	\$15,000.00	\$30,000.00	(\$27,000.00)
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	1,500.00	\$3.00	\$4,500.00	\$15.00	\$22,500.00	(\$18,000.00)
671.62103	3" HDPE CONDUIT (DIRECTIONAL DRILL)	LF	800.00	\$95.00	\$76,000.00	\$90.00	\$72,000.00	\$4,000.00
692.	MOBILIZATION	U	1.00	\$60,000.00	\$60,000.00	\$70,000.00	\$70,000.00	(\$10,000.00)



PS&E Comparison

STATEWIDE
43931
X-A005(256)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$1,500.00	\$1,500.00	\$3,000.00	\$3,000.00	(\$1,500.00)
1010.15	FUEL ADJUSTMENT	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$0.00
Total:					\$1,078,968.60	\$1,874,400.00		(\$795,431.40)

September 6, 2022

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project consists of construction of permanent Weigh-in-Motion (WIM) Stations for Traffic Data Collection to replace obsolete and non-functional WIM Stations at the following locations:

Town/City	Road	Proposed Work	MM
Concord	I-393	Weigh-in-Motion EB&WB	2.85
Hampton Falls	I-95	Weigh-in-Motion NB&SB	1.81
Manchester	I-93	Weigh-in-Motion NB	22.7
Hopkinton	I-89	Weigh-in-Motion NB&SB	6.2

FEDERAL FUNDING: 80% (Federal-Aid Other) with Turnpike Toll Credits for the State's 20% match.

CONTINGENCY: The proposed contingency amount is 10% of the contract amount. This is to account for the risks associated with unanticipated traffic control needs and encountering latent conditions during excavation and horizontal directional borings.

PROJECT INITIATED: This project was developed in response to the FHWA Plan of Corrective Action for the purpose of returning the Department's Travel Monitoring Program into compliance and to provide vehicle weight data for forecasting and pavement design.

PROJECT EXPLANATION: Construct Permanent Weigh-in-Motion (WIM) Stations to enable continuous traffic data collection in support of Highway Performance Monitoring Program (HPMS) reporting requirements, traffic forecasting, and pavement design.

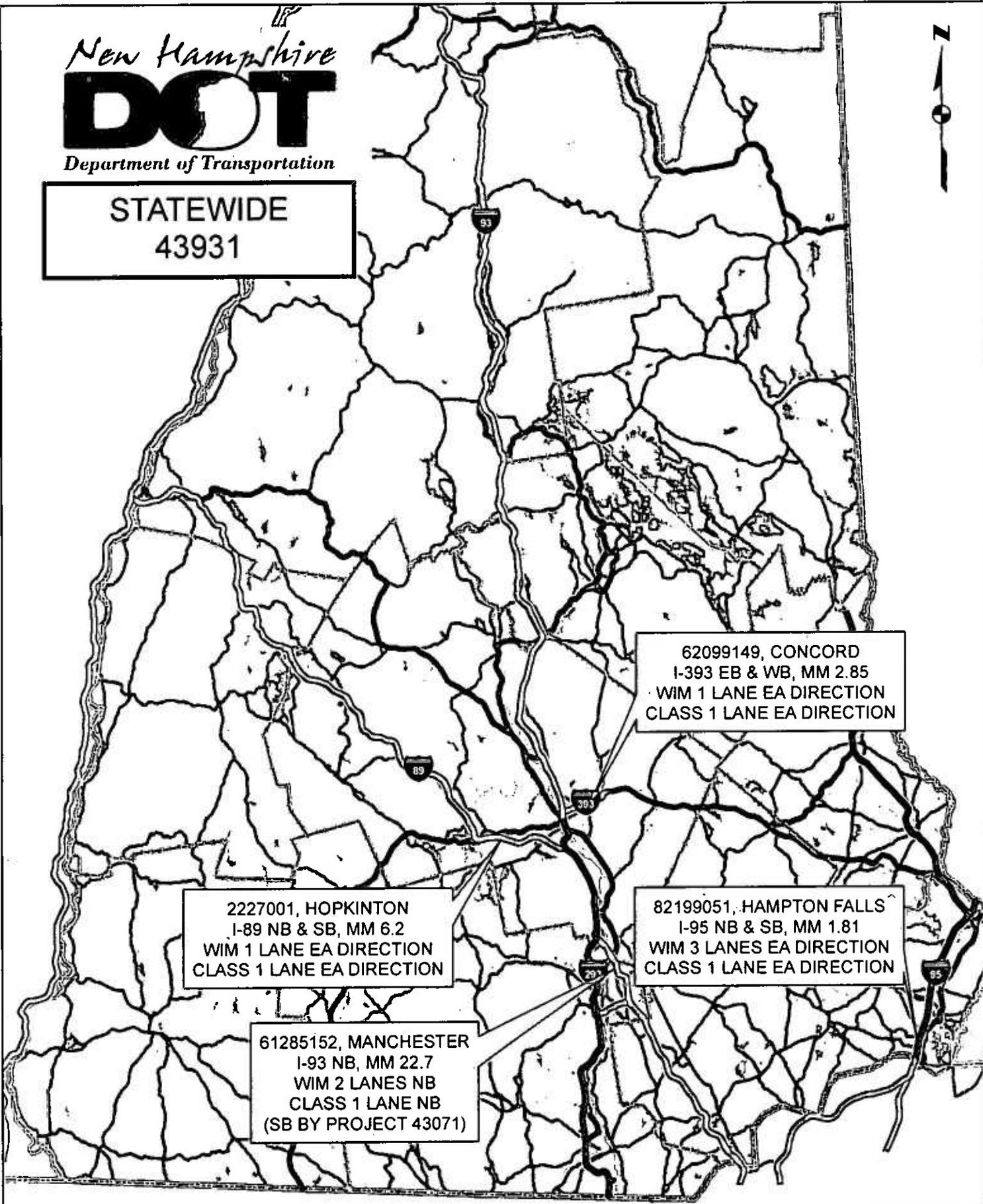
TRAFFIC IMPLICATION: Lane closures during off-peak night periods will be used for sensor installation, one night for each lane (nineteen lanes in total for project, 12 lanes with WIM sensors and 7 with vehicle classification sensors). Other work can be performed off-pavement with shoulder closures for work access. Uniformed officers will be required for lane closures due to the high-speed and high-volume nature of the facilities.

ADVERTISING DATE: September 13, 2022

FINAL COMPLETION DATE: October 25, 2024.



**STATEWIDE
 43931**



62099149, CONCORD
 I-393 EB & WB, MM 2.85
 WIM 1 LANE EA DIRECTION
 CLASS 1 LANE EA DIRECTION

2227001, HOPKINTON
 I-89 NB & SB, MM 6.2
 WIM 1 LANE EA DIRECTION
 CLASS 1 LANE EA DIRECTION

82199051, HAMPTON FALLS
 I-95 NB & SB, MM 1.81
 WIM 3 LANES EA DIRECTION
 CLASS 1 LANE EA DIRECTION

61285152, MANCHESTER
 I-93 NB, MM 22.7
 WIM 2 LANES NB
 CLASS 1 LANE NB
 (SB BY PROJECT 43071)



STATE OF NEW HAMPSHIRE	
DEPARTMENT OF TRANSPORTATION BUREAU OF TRAFFIC	
PROJECT: STATEWIDE WIM	STATE NO: 43931
MANCHESTER, CONCORD, HOPKINTON, HAMPTON FALLS	

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 NEW ENGLAND SIGNAL SYSTEMS, INC. is a New Hampshire Profit Corporation registered to transact business in New Hampshire on March 02, 1979. 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: 19087

Certificate Number: 0005750801



IN TESTIMONY WHEREOF,

I hereto set my hand and cause to be affixed
the Seal of the State of New Hampshire,
this 6th day of April A.D. 2022.

A handwritten signature in black ink, appearing to read "D. Scanlan", is written over a faint circular stamp.

David M. Scanlan
Secretary of State

Sole Officer Certification of Authority

I, Christopher T. Quinn, Hereby certify that I am the Sole Officer
(Name)

of, New England Signal Systems, Inc. which is a Corporation registered with the
(Name of Corporation)

Secretary of State under RSA 349. I certify that I am the Sole Officer of the Corporation.

I further certify that it is understood that the State of New Hampshire
will rely on this certificate as evidence that the person listed about currently occupies the
position indicated and that they have full authority to bind the Corporation.

DATED: October 19, 2022

ATTEST:  (Affix Seal)

Christopher T. Quinn
President and Sole Officer

PROJECT: STATEWIDE X-A005(256) 43931



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/19/2022

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 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 THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511		CONTACT NAME: Peggy Johnson PHONE (A/C No., Ext.): (603) 224-2562 E-MAIL ADDRESS: pjohnson@rowleyagency.com FAX (A/C No.): (603) 224-8012	
INSURED State of NH DOT POB 483 Concord NH 03302-0483		INSURER(S) AFFORDING COVERAGE INSURER A: Acadia Insurance Company INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** **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 INSP	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	COMMERCIAL GENERAL LIABILITY			OCP7521459	10/20/22	12/31/2024	EACH OCCURRENCE \$ 2,000,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence) \$
	<input checked="" type="checkbox"/> Owners & Contractors						MED EXP (Any one person) \$
	<input type="checkbox"/> Protective						PERSONAL & ADV INJURY \$
GEN'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE \$ 3,000,000
POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC							PRODUCTS - COMP/OP AGG \$
OTHER:							\$
AUTOMOBILE LIABILITY							COMBINED SINGLE LIMIT (Ea accident) \$
<input type="checkbox"/> ANY AUTO							BODILY INJURY (Per person) \$
<input type="checkbox"/> ALL OWNED AUTOS							BODILY INJURY (Per accident) \$
<input type="checkbox"/> HIRED AUTOS							PROPERTY DAMAGE (Per accident) \$
<input type="checkbox"/> SCHEDULED AUTOS							\$
<input type="checkbox"/> NON-OWNED AUTOS							\$
<input type="checkbox"/> UMBRELLA LIAB							EACH OCCURRENCE \$
<input type="checkbox"/> EXCESS LIAB							AGGREGATE \$
<input type="checkbox"/> OCCUR							\$
<input type="checkbox"/> CLAIMS-MADE							\$
DED							\$
RETENTION \$							\$
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY							PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/>
ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)							E.L. EACH ACCIDENT \$
If yes, describe under DESCRIPTION OF OPERATIONS below							E.L. DISEASE - EA EMPLOYEE \$
							E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Statewide Signals 43931

Contractor: New England Signal Systems

CERTIFICATE HOLDER

CANCELLATION

State of NH DOT POB 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 Peggy Johnson/PAJ <i>Peggy A Johnson</i>
--	---

© 1988-2014 ACORD CORPORATION. All rights reserved.