



## THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION



Victoria F. Sheehan Commissioner

Sununu Bureau of Construction
July 29, 2020

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

#### **REQUESTED ACTION**

1. Authorize the Department of Transportation to enter into a contract with New England Signal Systems, Inc. (Vendor 174153) of Northwood, NH on the basis of a low bid of \$1,026,755.00 for the installation of 10 Road Weather Information Systems around the State, from the date of Governor and Council approval through August 27, 2021, unless extended by the Department in accordance with the Standard Specifications. 51% Federal Funds, 49% Turnpike Funds.

Funding is available in State Fiscal Year 2021, and is contingent upon the availability and continued appropriation of funds in Fiscal Year 2022 as follows, with the ability to adjust encumbrances through the Budget Office between State Fiscal Years if needed and justified:

04-96-96-963515-3054	FY 2021	FY 2022
Consolidated Federal Aid 400-500870 Highway Contract Payments	\$452,593.02	\$66,775.98
	FY 2021	FY 2022
04-96-96-961017-7514 Spaulding Tpk/US 4/NH16		
400-500870 Highway Contract Payments	\$442,150.64	\$65,235.36

2. Further authorize that a contingency in the amount of \$30,802.65 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.

## FY 2022

04-96-96-963515-3054

Consolidated Federal Aid

400-500870 Highway Contract Payments

\$30,802.65

#### **EXPLANATION**

This project is part of the State's Ten Year Plan, and consists of installing 10 new Road Weather Information System (RWIS) located in Northwood along US 4, in Jefferson along NH 115, in Peterborough along NH 101, in Exeter along NH 101, in Wakefield along NH 16, two in Dover along NH 16, in Rochester along NH 16, and two in Milton along NH 16. This project will bring greater safety to the locations where the RWIS will be installed by allowing NHDOT crews to more efficiently manage storm response and other unplanned event response while working remotely.

The project is needed to enhance the RWIS Program across the State. These installations will supplement and fill in coverage gaps in the existing RWIS network. This project will install 5 new RWIS on the Tumpike system and 5 new RWIS along various routes.

Although the bid costs exceeded the Department's estimate by 36.11%, the low bid of 5 bids received is felt to be reasonable for the work involved. 100% of the overage is related to the RWIS items (10 total). The Department's estimate for these items was consistently lower than the A-Bidder. The B-Bidder prices were 25% higher, on average, 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: 51% Federal (STP-State Flexible, utilizing Turnpike Toll Credits), 49% Turnpike Capital.

A copy of the Tabulation of Bids received for this project is attached along with the Contract Supplemental Sheet and a map indicating the location of the project.

Sincerely,

Victoria F. Sheehan Commissioner

VFS/pcj

Department Estimate: \$ 754,357.00 Contract Amount: \$1,026,755.00 Over Estimate: \$ 272,398.00

Attachments

## New Hampshire Department of Transportation

#### **ABC Bid Data**

STATEWIDE-RWIS 25198

A003(059)

PROJECT:

STATEWIDE-RWIS

STATE PROJECT NUMBER: 25198

A003(059)

FED. PROJECT NUMBER: DATE BIDS OPEN:

June 18, 2020, 2:00

To install Road and Weather systems around the State.

SCOPE OF WORK:

COMPLETION DATE:

August 27, 2021

Award Date:

Awarded To: NEW ENGLAND SIGNAL

SYSTEMS INC

616 FIRST NH TURNPIK NORTHWOOD, NH 03261-

0326

Amount: \$1,026,755.00

Certified by: PETER.E.STAMNAS

Director of Project Development

LOCATION:

#### **Summary of Bidders**

Contractor	Bid Amount	Rank
NEW ENGLAND SIGNAL SYSTEMS INC 616 FIRST NH TURNEIK, PO BOX 326 NORTHWOOD NH 03261-0326	\$1,026,755.00	Α
DAGLE ELECTRICAL CONSTRUCTION CORP	\$1,177,711.00	В
68 INDUSTRIAL WAY, WILMINGTON MA 01887		
MOULISON ELC 10 IRON TRAIL ROAD, PO BOX 348, BIDDEFORD ME 04005-0348	\$1,194,167.00	C
10 IRON TRAIL ROAD, PO BOX 348, BIDDEFORD ME 04005-0348		
EAST COAST SIGNALS, INC.	\$1,314,095.50	D
69 NORTH ROAD, DEERFIELD NH 03037		
WESTON SOLUTIONS INC 43 N MAIN STREET, CONCORD NH 03301	\$1,737,600.00	ing (g. E.
43 N MAIN STREET, CONCORD NH 03301		



STATEWIDE-RWIS 25198 A003(059)

		<del></del>								
					PSAE	new england signal systems inc 616 first kit turnpik Northwood, nh 03261-4328		DAGLE ELECTRICAL CONSTRUCTION CORP 45 INDUSTRIAL WAY WILMINGTON, MA 81237		
Item No.	Description	Unit	Quantity	Unit Price	Total		Unit Price	Total	Unit Price	Total

#### Items

		<del></del>	<del></del>						
606,1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	2.00	\$3,000,00	\$6,000.00	\$4,250.00	\$8,500.00	\$3,600.00	\$7,200,00
606,18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	ĹF	75.00	\$27.50	\$2,062.50	\$35.00	\$2,625,00	\$35,00	\$2,625,00
606.91254	RESETTING TERMINAL UNIT (TYPE TL 3 EAGRT) (STEEL POST)	υ	1,00	\$1,755,00	\$1,755,00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000,00
614.331	3" STEEL CONDUIT	LF	95.00	\$38.00	\$3,510.00	\$12.00	\$1,140.00	\$20.00	\$1,900.00
614.523	MOLDED PULL BOX 17"X30"	EA	8.00	\$450.00	\$3,600.00	\$500,00	\$4,000.00	\$600,00	\$4,800.00
614.73114 -	3" PVC CONDUIT, SCHEDULE 40	LF	1,000,00	\$18.00	\$18,000.00	\$20.00	\$20,000.00	\$20.00	\$20,000.00
618,61	UNIFORMED OFFICERS WITH VEHICLE	\$	10,000.00	\$1.00	\$10,000,00	\$1,00	\$10,000.00	\$1.00	\$10,000.00
619,1	MAINTENANCE OF TRAFFIC	U	1.00	\$6,000,00	\$6,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL CELINEATOR	EA	2.00	\$5.00	\$10,00	\$7.50	\$15.00	\$10.00	\$20.00
621.31	SINGLE DELINEATOR WITH POST	EA	1.00	\$50,00	\$50,00	\$65.00	\$65.00	\$80,00	\$80,00
621,32	DOUBLE DELINEATOR WITH POST	EA	1,00	\$54,50	\$54.50	\$70,00	\$70,00	\$90.00	\$90,00
626.71	UTILITY POLE	EA	3.00	\$4,000.00	\$12,000.00	\$1,000.00	\$3,000.00	\$5,000.00	\$15,000.00
677.4201	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$58,388.00	\$58,388.00	\$86,450,00	\$86,450,00	\$105,916.00	\$105,916.00
677.4202	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$58,388.00	\$58,388.00	\$86,450.00	<b>\$8</b> 6,450,00	\$106,000.00	\$106,000.00
677.4203	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$58,388.00	\$58,388.00	\$86,450.00	\$86,450.00	\$106,000.00	\$106,000.0
677.4204	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	Ü	1.00	\$58,388.00	\$58,388,00	\$86,450.00	\$86,450.00	\$106,000,00	\$106,000,0
677.4205	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$58,388.00	\$58,388.00	\$86,450.00	\$86,450,00	\$104,000.00	\$104,000.0
677.4206	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$59,212.00	\$59,212.00	\$86,450.00	\$86,450.00	\$84,000.00	\$84,000.0
677.4207	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1,00	\$59,212.00	\$59,212,00	\$86,450,00	\$86,450,00	\$104,000,00	\$104,000,0
677.4208	ROADWAY WEATHER INFORMATION STATION (RWIS)	U	1.00	\$59,212.00	\$59 212.00	\$86,450.00	\$86,450,00	\$104,000.00	\$104,000.0
677,4209	ROADWAY WEATHER INFORMATION STATION (RWIS)	u	1,00	\$59,212.00	\$59,212.00	\$86,450.00	\$86,450,00	\$104,000,00	\$104,000.0
677.4210	ROADWAY WEATHER INFORMATION STATION (RWIS)	. U	1,00	\$59,212.00	\$59,212.00	\$86,450.00	\$86,450,00	\$104,000.00	\$104,000.0
677.5301	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,270.00	\$3,270.00	\$3,500.00	\$3,500.00	\$1,500.00	\$1,500.0



STATEWIDE-RWIS 25198 A003(059)

				PSAE		616 FIRS	SIGNAL SYSTEMS INC T NH TURNPIX IO, NH 0.1281.4028	DAGLE ELECTRICAL CONSTRUCTION CO 56 BIOUSTRIAL WAY WILMINGTON, MA 01847	
Item No.	Description	Unit	Quantity	Unit Price	Tota	Unit Price	Total	Unit Price	Total
677.6302	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,270.00	\$3,270.00	\$3,500.00	\$3,500.00	\$1,500.00	\$1,500.00
577.6303	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,270.00	\$3,270.00	\$3,500.00	\$3,500.00	\$1,500.00	\$1,500.00
677.6304	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,270.00	\$3.270.00	\$3,500.00	\$3,500.00	\$1,500.00	\$1,500.00
677.63059	METER AND DISCONNECT PEDESTAL (MODIFY)	U	1.00	\$1,495.00	\$1,495,00	\$2,000.00	\$2,000.00	\$500.00	\$500.00
677.63069	METER AND DISCONNECT PEDESTAL (MODIFY)	U	1.00	\$1,495.00	\$1 495,00	\$2,000.00	\$2,000.00	\$500.00	\$500.00
677.63079	METER AND DISCONNECT PEDESTAL (MODIFY)	υ	1.00	\$1,495.00	\$1 495,00	\$2,000.00	\$2,000,00	\$500,00	\$500.00
677.6308	METER AND DISCONNECT PEDESTAL	U	1,00	\$3,270.00	\$3 270,00	\$3,500.00	\$3,500.00	\$1,500.00	\$1,500.00
677.6309	METER AND DISCONNECT PEDESTAL	U	1,00	\$3,270.00	\$3 270.00	\$3,500.00	\$3,500.00	\$1,500.00	\$1,500.00
677.6310	METER AND DISCONNECT PEDESTAL	U	1,00	\$3,270,00	\$3 270,00	\$3,500.00	\$3,500,00	\$1,500.00	\$1,500,00
677,9404	4-CONDUCTOR #4 AWG CABLE	LF	300.00	\$28.00	\$8 400.00	\$5.00	\$1,500.00	\$4,00	\$1,200.00
677.9406	4-CONDUCTOR #6 AWG CABLE	LF	960.00	\$14.00	\$13 440.00	\$4.00	\$3,840.00	\$3.00	\$2,880.00
692.	MOBILIZATION	U	1.00	\$39,000.00	\$39 000.00	\$40,000.00	\$40,000.00	\$35,000.00	\$35,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	s	5,000.00	\$1.00	\$5 000.00	\$1,00	\$5,000.00	\$1.00	\$5,000.00
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10 000.00	\$1.00	\$10,000,00	\$1.00	\$10,000.00
			Totats:		\$754,357.00	I	\$1,026,755.00	<u> </u>	\$1,177,711.00
			Alt. Totals:						
			Totals:		\$754,357.00	l	\$1,026,755,00		\$1,177,711.00

Tuesday, July 14, 2020



STATEWIDE-RWIS 25198 A003(059)

						···			
					**************************************	10 IRON	ISON LLC IRAK, ROAD , ME 04005-0348	69 NOF	T STONALS, INC. RTH ROAD LD, NH 03037
Item No.	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total

#### Items

506.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	Ū	200	\$3,000,00	\$6,000.00	\$7,500.00	\$15,000.00	\$6,600,00	\$13,200,00
606,18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	75.00	\$27,50	\$2,082.50	\$40.00	\$3,000.00	\$53.00	\$3,975.00
606.91254	RESETTING TERMINAL UNIT (TYPE TL 3 EAGRT) (STEEL POST)	U	1.00	\$1,755,00	\$1,755,00	\$2,500.00	\$2,500,00	\$3,225,00	\$3,225.00
614,331	3" STEEL CONDUIT	LF	95,00	\$38.00	\$3,610.00	\$65.00	\$6,175.00	\$31.00	\$2,945.00
614,523	MOLDED PULL BOX 17"X30"	EA	8.00	\$450.00	\$3,600.00	\$1,500.00	\$12,000.00	\$475.00	\$3,800,00
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	1,000.00	\$18.00	\$18 000.00	\$25.00	\$25,000.00	\$23,00	\$23,000.00
618,61	UNIFORMED OFFICERS WITH VEHICLE	\$	10,000.00	\$1,00	\$10,000.00	\$1.00	\$10,000.00	\$1,00	\$10,000.00
619,1	MAINTENANCE OF TRAFFIC	U	1.70	\$6,000.00	\$6 000.00	\$8,000.00	\$8,000.00	\$57,000.00	\$57,000.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	2.30	\$5.00	\$10.00	\$8,00	\$12.00	\$5.25	\$10.50
621.31	SINGLE DELINEATOR WITH POST	EA	1.30	\$50,00	\$50.00	\$65,00	\$65,00	\$60.00	\$60,00
621,32	DOUBLE DELINEATOR WITH POST	EA	1,90	\$54.50	\$54,50	\$75,00	\$75,00	\$65,00	\$65,00
626.71	UTILITY POLE	EA	3.00	\$4,000.0C	\$12,000.00	\$2,950.00	\$8,850.00	\$1,600.00	\$4,800.00
677.4201	ROADWAY WEATHER INFORMATION STATION (RWIS)	U	1,00	\$58,388.00	\$58,388.00	\$99,000.00	\$99,000.00	\$106,400.00	\$106,400.00
677.4202	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	V	1,00	\$58,388.0C	\$58,388.00	\$92,500.00	\$92,500.00	\$109,725.00	\$109,725.00
677.4203	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	V	: 000	\$58,388.0C	\$58,388.00	\$99,000.00	\$99,000.00		\$109,990.00
677.4204	ROADWAY WEATHER INFORMATION STATION (RWIS)	V	7.00	\$58,388.0C	\$58,388.00	\$92,500.00	\$92,500.00	\$102,250.00	\$102,250.00
677.4205	ROADWAY WEATHER INFORMATION STATION (RWIS)	V	1.00	\$58,388.00	\$5£,388,00	\$92,500.00	\$92,500.00		\$105,175.00
677.4206	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$59,212.00	\$59,212.00	\$92,500.00	\$92,500.00		\$107,300.00
677,4207	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$39,212,00	\$59,212.00	\$92,500,00	\$92,500,00	\$113,050.00	\$113,050.00
677,4208	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$59,212,00	\$59,212,00	\$92,500.00	\$92,500,00	\$102,225.00	\$102,225.00
677.4209	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	Ü	1,00	\$59,212.00	\$59,212.00	\$92,500.00	\$92,500.00	\$105,175.00	\$105,175,00
677,4210	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$59,212,00	\$59,212.00	\$92,500.00	\$92,500.00	\$109,125.00	\$109,125.00
677,6301	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,270.00	\$3,270.00	\$5,500.00	\$5,500.00	\$4,500.00	\$4,500.00



					PSAE		LISON ELC TRAIL ROAD D, ME 04005-0348	EAST COAST SIGNALS, INC. 69 NORTH ROAD DEERFIELD, NH 63837	
Item No.	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total
677.6302	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,270.00	\$3,270.00	\$5.000.00	\$5,000.00	\$4,500.00	\$4,500.00
677.6303	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,270.00	\$3,270.00	\$5,500,00	\$5,500.00	\$4,500.00	\$4,500.00
677.6304	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,270.00	\$3,270.00	\$5,000.00	\$5,000,00	\$4,500.00	\$4,500.00
677,63059	METER AND DISCONNECT PEDESTAL (MCDIFY)	U	1.00	\$1,495.00	\$1,495.00	\$2,600,00	\$2,500.00	\$2,000.00	\$2,000.00
677.63069	METER AND DISCONNECT PEDESTAL (MCDIFY)	U	1.00	\$1,495.00	\$1,495.00	\$2,600.00	\$2,600.00	\$2,000.00	\$2,000.00
677,63079	METER AND DISCONNECT PEDESTAL (MCDIFY)	U	1.00	\$1,495.00	\$1,495,00	\$2,600.00	\$2,600,00	\$2,000.00	\$2,000.00
677,6308	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,270.00	\$3,270.00	\$5,000.00	\$5,000.00	\$4,500.00	\$4,500,00
677.6309	METER AND DISCONNECT PEDESTAL	ט	1.00	\$3,270,00	\$3,270,00	\$5,000.00	\$5,000.00	\$4,500.00	\$4,500,00
677.6310	METER AND DISCONNECT PEDESTAL	U	1,00	\$3,270.00	\$3,270,00	\$5,000.00	\$5,000.00	\$4,500.00	\$4,500.00
677.9404	4-CONDUCTOR #4 AWG CABLE	LF.	300.00	\$28,00	\$8,400.00	\$5.50	\$1,650.00	\$6,00	\$1,800.00
677.9406	4-CONDUCTOR #5 AWG CABLE	LF	960.00	\$14.00	\$13,440.00	\$5.25	\$5,040.00	\$5.00	\$4,800.00
692.	MOBILIZATION	υ	1.00	\$39,000.00	\$39, 200.00	\$100,000.00	\$100,000.00	\$62,500.00	\$62,500.00
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
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
			Totals:		\$754,357.00		\$1,194,187.00		\$1,314,095.50
		Alt. Total		:					
			Totals:	<u> </u>	\$754,357.00	T	\$1,194,167.00	\$1,314,095,50	



STATEWIDE-RWIS 25198 A003(059)

					342	43 N MA	OLUTIONS INC UN STREET RD, NH 03301		
Item No.	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total

#### Items

606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	υ	2,00	\$3,000.00	\$8,000,00	\$5,684.00	\$11,368,00	
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	75.00	\$27,50	\$2,062.50	\$50.00	\$3,750.00	 
608.91254	RESETTING TERMINAL UNIT (TYPE TL 3 EAGRT) (STEEL POST)	U	1.00	\$1,755.00	\$1,755,00	\$4,200.00	\$4,200,00	
614,331	3" STEEL CONDUIT	LF	95,00	\$38.00	\$3,610,00	\$24.00	\$2,280.00	
814.523	MOLDED PULL BOX 17"X30"	EA	8.00	\$450.00	\$3 600.00	\$2,875.00	\$23,000.00	
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	1,000.00	\$18.00	\$18 000,00	\$12.00	\$12,000.00	
618,61	UNIFORMED OFFICERS WITH VEHICLE	s	10,000.00	\$1,00	\$10 000.00	\$1,00	\$10,000.00	
619.1	MAINTENANCE OF TRAFFIC	U	1,00	\$6,000.00	\$6 000,000	\$102,770.00	\$102,770.00	
621,2	RETROREFLECTIVE BEAM GUARDRAIL CELINEATOR	EA	2.00	\$5.00	\$10.00	\$12,00	\$24.00	
621,31	SINGLE DELINEATOR WITH POST	EA _	1.00	\$50.00	\$50.00	\$58,00	\$58.00	
621,32	DOUBLE DELINEATOR WITH POST	EA	1.00	\$54.50	\$54,50	\$60.00	\$60.00	
626.71	UTILITY POLE	EA	3.00	\$4,000.00	\$12 000.00	\$6,900.00	\$20,700.00	
677.4201	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$58,388.00	\$58 388,00	\$111,400.00	\$111,400.00	
677.4202	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$58,388.00	\$58,388.00	\$111,400,00	\$111,400.00	
677.4203	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	ប	1.00	\$58,388.00	\$58,388.00	\$111,400,00	\$111,400.00	
677.4204	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$58,388.00	\$58,388,00	\$111,400,00	\$111,400,00	
677.4205	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$58,388.00	\$58,388.00	\$111,400.00	\$111,400.00	
677.4206	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$59,212.00	\$59,212.00	\$111,400.00	\$111,400.00	
677.4207	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1,00	\$59,212.00	\$59,212,00	\$111,400.00	\$111,400,00	
677,4208	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$59,212.00	\$59,212.00	\$111,400,00	\$111,400.00	
677.4209	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$59,212.00	\$59,212,00	\$111,400.00	\$111,400.00	
677,4210	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	Ü	1.00	\$59,212,00	\$59,212,00	\$111,400.00	\$111,400.00	
677.6301	METER AND DISCONNECT PEDESTAL	υ	1.00	\$3,270.00	\$3,270.00	\$6,325.00	\$6,325.00	



				PSAE		43 8 14	SOLUTIONS INC AIN STREET RD, NH 03301		<u> </u>
Item No.	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total
677.6302	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,270.00	\$3 270.00	<b>\$</b> 6,325.00	\$6,325.00		
677.6303	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,270.00	\$3 270.00	\$6,325.00	\$6,325.00		
677.6304	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,270.00	\$3 270.00	\$6,325.00	\$6,325.00		
677.63059	METER AND DISCONNECT PEDESTAL (MODIFY)	υ	1.00	\$1,495.00	\$1 495.00	\$8,325.00	\$6,325.00		
677.63069	METER AND DISCONNECT PEDESTAL (MODIFY)	υ	1.00	\$1,495.00	\$1 495.00	\$6,325,00	\$6,325.00		
577.63079	METER AND DISCONNECT PEDESTAL (MODIFY)	υ	1.00	\$1,495,00	\$1 495,00	\$6,325.00	\$6,325,00		
677.6308	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,270.00	\$3 270.00	\$6,325.00	\$6,325.00		
677.6309	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,270.00	\$3 270.00	\$6,325,00	\$6,325.00		
877,6310	METER AND DISCONNECT PEDESTAL	u	1.00	\$3,270,00	\$3,270.00	\$6,325,00	\$6,325.00		
677.9404	4-CONDUCTOR #4 AWG CABLE	LF	300.00	\$28.00	\$8,400.00	\$34.00	\$10,200.00		
677.9406	4-CONDUCTOR #5 AWG CABLE	LF	950.00	\$14.00	\$13,440.00	\$29.00	\$27,840.00		
592.	MOBILIZATION	U	1.00	\$39,000.00	\$39,000.00	\$317,100.00	\$317,100.00		
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1,00	\$5,000.00	\$1.00	\$5,000.00		
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00		<u> </u>
			Totals:		\$754,357.00		\$1,737,600.00		
			Alt, Totals:						
			Totals:		\$754,357,00		\$1,737,600.00		

## New Hampshire Department of Transportation

## **PS&E Comparison**

<del></del>		<del></del>		A-Bidd	ler	PS&	Ĕ	
Item No.	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	A-PS&E Difference
Items								
			,				·	
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	2.00	\$4,250.00	\$8,500.00	\$3,000.00	\$6,000.00	
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	75.00	\$35.00	\$2,625.00	\$27.50	\$2,062.50 	
606.91254	RESETTING TERMINAL UNIT (TYPE TL 3 EAGRT) (STEEL POST)	ט	1.00	\$2,000.00	\$2,000.00	\$1,755.00	\$1,755.00 	\$245.00
614.331	3" STEEL CONDUIT	LF	95.00	\$12.00	\$1,140.00	\$38.00	\$3,610.00	(\$2,470.00)
614.523	MOLDED PULL BOX 17"X30"	EA	8.00	\$500.00	\$4,000.00	\$450.00	\$3,600.00	\$400.00
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	1,000.00	\$20.00	\$20,000.00	\$18.00	\$18,000.00	\$2,000.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$20,000.00	\$20,000.00	\$6,000.00	\$6,000.00	\$14,000.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	ĒΑ	2.00	\$7.50	\$15.00	\$5.00	\$10.00	\$5.00
621.31	SINGLE DELINEATOR WITH POST	EΑ	1.00	\$65.00	\$65.00	\$50.00	\$50.00	\$15.00
621.32	DOUBLE DELINEATOR WITH POST	EA	1.00	\$70.00	\$70.00	\$54.50	\$54.50	\$15.50
626.71	UTILITY POLE	EA	3.00	\$1,000.00	\$3,000.00	\$4,000.00	\$12,000.00	(\$9,000.00)
677.4201	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$86,450.00	\$86,450.00	\$58,388.00	\$58,388.00	\$28,062.00

## **PS&E Comparison**



				A-Bido	er	PS8		
Item No.	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	A-PS&E Difference
677.4202	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM		1.00	\$36,450.00	\$86,450.00	\$58,388.00	\$58,388.00	\$28,062.00
677.4203	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$36,450.00	\$86,450.00	\$58,388.00	\$58,388.00	\$28,062.00
677.4204	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	ľ	1.00	\$86,450.00	\$83,450.00	\$58,388.00	\$58,388.00	\$28,062.00
677.4205	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM		1.00	386,450.00	\$83,450.00	\$58,388.00	\$58,388.00	\$28,062.00
677.4206	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM		1.00	\$86,450.00	\$85,450.00	\$59,212.00	\$59,212.00	\$27,238.00
677.4207	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$36,450.00	\$86,450.00	\$59,212.00	\$59,212.00	\$27,238.00
677.4208	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	υ	1.00	\$36,450.00	\$86,450.00	\$59,212.00	\$59,212.00	\$27,238.00
677.4209	ROADWAY WEATHER INFORMATION STATION (RWIS) ISYSTEM	U	1.00	\$36,450.00	\$86,450.00	\$59,212.00	\$59,212.00	\$27,238.00
677.4210	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$36,450.00	\$86,450.00	\$59,212.00	\$59,212.00	\$27,238.00
677.6301	METER AND DISCONNECT PEDESTAL	U	1.00	\$3.500.00	\$3,500.00	\$3,270.00	\$3,270.00	\$230.00
677.6302	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,500.00	\$3,500.00	\$3,270.00	\$3,270.00	\$230.00
677.6303	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,500.00	\$3,500.00	\$3,270.00	\$3,270.00	\$230.00
677.6304	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,500.00	\$3,500.00	\$3,270.00	\$3,270.00	\$230.00
677.63059	METER AND DISCONNECT PEDESTAL (MODIFY)	U	1.00	\$2,000.00	\$2,000.00	\$1,495.00	\$1,495.00	\$505.00

# New Hampshire Department of Transportation

## **PS&E Comparison**

STATEWIDE-RWIS 25198 A003(059)

				A-Bidde	er	PS&I		
Item No.	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	A-PS&E Difference
677.63069	METER AND DISCONNECT PEDESTAL (MODIFY)	U	1.00	\$2,000.00	\$2,000.00	\$1,495.00	\$1,495.00	\$505.00
677.63079	METER AND DISCONNECT PEDESTAL (MODIFY)	U	1.00	\$2,000.00	\$2,000.00	\$1,495.00	\$1,495.00	\$505.00
677.6308	METER AND DISCONNECT PEDESTAL	υ	1.00	\$3,500.00	\$3,500.00	\$3,270.00	\$3,270.00	\$230.00
677.6309	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,500.00	\$3,500.00	\$3,270.00	\$3,270.00	\$230.00
677.6310	METER AND DISCONNECT PEDESTAL	U	1.00	\$3,500.00	\$3,500.00	\$3,270.00	\$3,270.00	\$230.00
677.9404	4-CONDUCTOR #4 AWG CABLE	LF	300.00	\$5.00	\$1,500.00	\$28.00	\$8,400.00	(\$6,900.00)
677.9406	4-CONDUCTOR #6 AWG CABLE	LF	960.00	\$4.00	\$3,840.00	\$14.00	\$13,440.00	(\$9,600.00)
692.	MOBILIZATION	U	1.00	\$40,000.00	\$40,000.00	\$39,000.00	\$39,000.00	\$1,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00

Total: \$1,026,755.00 \$754,357.00 \$272,398.00

April 21, 2020

#### SUPPLEMENTAL PROJECT INFORMATION SHEET

**DESCRIPTION:** This project consists of installing 10 new Road Weather Information System (RWIS) located in Northwood along US 4, in Jefferson along NH 115, in Peterborough along NH 101, in Exeter along NH 101, in Wakefield along NH 16, two in Dover along NH 16, in Rochester along NH 16, and two in Milton along NH 16. This project will bring greater safety to the locations where the RWIS will be installed by allowing NHDOT crews to more efficiently manage storm response and other unplanned event response while working remotely.

#### **FUNDING:**

FHWA: 50% STP-State Flexible utilizing Turnpike Toll Credits

**TPK:** 50% Turnpike Capital

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

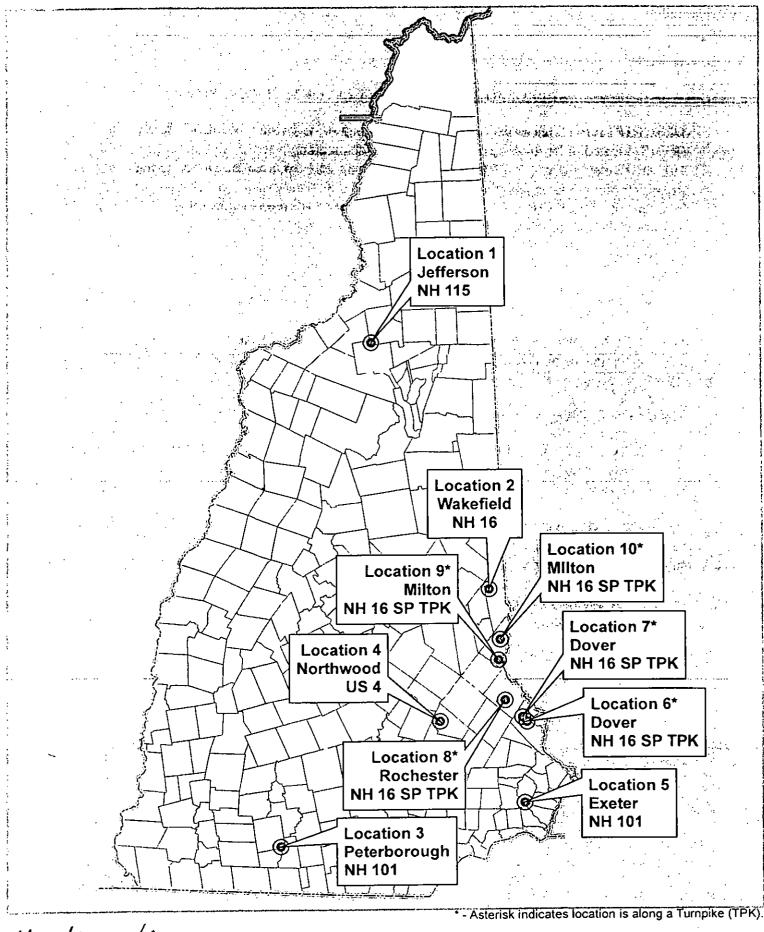
PROJECT INITIATED: State's Ten Year Plan

**PROJECT EXPLANATION:** The project is needed to expand the RWIS Program across the State. This project will install 5 new RWIS on the Turnpike system and 5 new RWIS along various routes.

**TRAFFIC IMPLICATION:** The project was designated as "Non Significant" by the Traffic Control Committee on April 16, 2020. Construction is expected to occur in the spring and summer of 2021. There is no reduced speed limit proposed at any of the locations. The work will likely involve closing the shoulder in most locations, however the Northwood location may require a lane shift during working hours and the Peterborough location may require a reduction from a 3 lane section to a two lane section during work hours.

**COMPLETION DATE:** August 27, 2021

## **RWIS Locations Map**



Nen Hampshire





#### CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 7/21/2020

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 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).

[AC, NO, EXI):	24-8012					
E-MAIL ADDRESS: pjohnson@rowleyagency.com						
INSURER(S) AFFORDING COVERAGE						
INSURER A: Firemen's Ins Co of Wash. DC						
INSURER B: Acadia Insurance Company	31325					
INSURER C:						
INSURER D :						
INSURER É :						
INSURER F :						
	INSURER(S) AFFORDING COVERAGE INSURER A: Firemen's Ins Co of Wash. DC INSURER B: Acadia Insurance Company INSURER C: INSURER C: INSURER D: INSURER E:					

**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	ADOL INSD	SUBR	POLICY NUMBER	POLICY EFF (MM/DO/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	s
Α	х	CLAIMS-MADE X OCCUR						EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 1,000,00 \$ 300,00
	Щ				CPA520316215	5/16/2020	5/16/2021	MED EXP (Any one person)	\$ 5,00
	$\square$							PERSONAL & AGV INJURY	\$ 1,000,00
	GEN	IL AGGREGATE LIMIT APPLIES PER:					ļ	GENERAL AGGREGATE	\$ 2,000,00
		POLICY X PRO-					]	PRODUCTS - COMP/OP AGG	\$ 2,000,00
		OTHER:							S
	AUT	OMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,00
A	X							BODILY INJURY (Per person)	S
-	,	ALL OWNED SCHEDULED AUTOS	ļ	ļ	CAA520316415	5/16/2020	5/16/2021	BODILY INJURY (Per accident)	s
Ī	х	HIRED AUTOS X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	s
									5
_	х	UMBRELLA LIAB X OCCUR						EACH OCCURRENCE	\$ 5,000,00
В		EXCESS LIAB CLAIMS-MADE					•	AGGREGATE	\$ 5,000,00
ı		DED X RETENTION \$ 0		Ì	CUAS20316614	5/16/2020	5/16/2021	Completed Ops Aggregate	s 5,000,00
		KERS COMPENSATION EMPLOYERS' LIABILITY			3A States: NH,ME,VT,NA			X PER OTH-	
	ANY F	NY PROPRIETOR/PARTNER/EXECUTIVE						E.L. EACH ACCIDENT	\$ 500,00
A	(Mano	datory in NH)	N/A		WPA520316815	5/16/2020	5/16/2021	E.L. DISEASE - EA EMPLOYEE	\$ 500,00
	If yes, DESC	describe under RIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	\$ 500,00
	Ins	tallation Coverage						See Below	
A	Lea.	sed/Rented Equipment			CPA520316215	5/16/2020	5/16/2021	\$300,000 Hrnt	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 181, Additional Remarks Schedule, may be attached if more space is required) STATEWIDE RWIS A0003 (059), 25198.

State of NII DOT is additional insured under the general liability when required by written contract.

CERTIFICATE HOLDER	CANCELLATION					
State of NH DOT POB 483 Concord, NH 03302-0483	SHOULD ANY OF THE ABOVE DESCI THE EXPIRATION DATE THEREOF, N ACCORDANCE WITH THE POLICY PR					
	AUTHORIZED REPRESENTATIVE					
1	Peggy Johnson/PAJ	Jaggy a Johnson				

© 1988-2014 ACORD CORPORATION. All rights reserved.



#### CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY 7/21/2020

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 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).				<u></u> .		
PRODUCER	CONTAC NAME:	Peggy J				
THE ROWLEY AGENCY INC.	PHONE (603) 224-2562 FAX (AVC, No. Ext): (603) 224-8012  E-MAIL ADDRESS: pjohnson@rowleyagency.com					
45 Constitution Avenue	ADÓRES	s: pjohneo	n@rowleyac	ency.com		<del></del>
P.O. Box 511		INS	URER(S) AFFOR	DING COVERAGE		NAIC #
Concord NH 03302-0511	INSURE	RA: Acadia	Insurance	Company		31325
INSURED	INSURE	RB:				
State of NH DOT	INSURE	RC:				
POB 483	INSURE	RD:				
	INSURE					
Concord NH 03302-0483	INSURE	RF;				
COVERAGES CERTIFICATE NUMBER:				REVISION NUMBER:		
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BE INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ALL CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BE	NY CONT	RACT OR OTH	HER DOCUME BED HEREIN I DCLAIMS	NT WITH RESPECT TO WHI	CH THIS	
INSR TYPE OF INSURANCE INSD WYD POLICY NUMBER		POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	'S	
COMMERCIAL GENERAL LIABILITY				EACH OCCURRENCE	S	1,000,000
A CLAIMS-MADE X OCCUR				DAMAGE TO RENTED PREMISES (Ea occurrence)	\$	
X Owners & Contractors UCP265/4/84		01/57/50	12/31/2021	MED EXP (Any one person)	5	
Protective				PERSONAL & ADV INJURY	5	- <u>-</u> .
GENL AGGREGATE LIMIT APPLIES PER:				GENERAL AGGREGATE	\$	2,000,000
POLICY PRO- LOC				PRODUCTS - COMPIOP AGG	5	
OTHER:					2	
AUTOMOBILE LIABILITY				(Ea accident)	2	
ANYAUTO				BODILY INJURY (Per person)	5	
ALL OWNED SCHEDULED AUTOS AUTOS	ļ		<b> </b> 	BODILY INJURY (Per accident) PROPERTY DAMAGE	-	
HIRED AUTOS NON-OWNED AUTOS				(Per accident)	\$	
				·	5	
UMBRELLA LIAB OCCUR				EACH OCCURRENCE	5	
EXCESS LIAB CLAIMS-MADE	ļ			AGGREGATE	5	
DED RETENTION \$ ·				PER OTH	5	
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY  Y/N				STATUTE ER	<del> </del>	
ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?				E.L. EACH ACCIDENT	5	
(Mandatory in NH) If yes, describe under				E.L. DISEASE - EA EMPLOYEE	5	
DESCRIPTION OF OPERATIONS below				E.L. DISEASE - POLICY LIMIT	\$	
	j					
				<u> </u>		
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES (ACORD 101, Additional Remarks Schedule, r STATEWIDE RWIS A0003 (059), 25198	may be atta	ched It more spa	ce is required)			
Contractor: New England Signal Systems	•					
CERTIFICATE HOLDER	CANC	ELLATION				-
OLIVITIONIE NOLOCIA	1					
State of NH DOT POB 483	THE	EXPIRATION D	ATE THEREO	SCRIBED POLICIES BE CAI F, NOTICE WILL BE DELIVEI Y PROVISIONS.		D BEFORE
Concord, NH 03302-0483	AUTHORIZED REPRESENTATIVE					
•		Johnson/		Hagyy a	khnse	m
		© 19	88-2014 AC	ORD CORPORATION.	_	