



THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION



71

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 May 19, 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 single bid of \$758,326.75, for signal work at multiple locations statewide (Concord/Rochester 43762, Hooksett Signal 43872, Seabrook Signal 43873), from the date of Governor and Council approval through June 16, 2023, unless amended by the Department in accordance with the Standard Specifications. 70% Turnpike, 21% Agency Income (Damage Recovery), 9% Betterment Funds.

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

Funding is available as follows:	<u>FY 2022</u>	<u>FY 2023</u>
04-96-96-961017-7025		
Turnpike Renewal & Replacement		
400-500870 Highway Contract Payments	\$121,823.58	\$411,154.62

Funding is available as follows:	<u>FY 2022</u>
04-96-96-963015-3039	
Highway Betterment Aid	
400-500870 Highway Contract Payments	\$66,715.13

Funding is available as follows:	<u>FY 2022</u>
04-96-96-963015-3031	
Reimbursable Maintenance and Repairs	
400-500870 Highway Contract Payments	\$158,633.42

2. Further authorize that a contingency in the amount of \$37,916.34 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 2023</u>
04-96-96-961017-7025	
Turnpike Renewal & Replacement	
400-500870 Highway Contract Payments	\$37,916.34

The Turnpike R&R account, AU 7025, is utilized at this time to encumber contingency funds for this request. Actual funding sources will be determined by each particular project incurring expenses as a result of this request.

EXPLANATION

This project is part of the Turnpike's Renewal and Replacement Program. This project involves signal work at multiple locations statewide to replace signal mast arms that have been damaged by collision, make necessary signal improvements, and replace an inoperable Weigh in Motion (WIM) station.

Concord/Rochester 43762

- Replacement of signal hangers and brackets for the signal S-099-15 at US Route 3 underpass bridge for I-93/FE Everett Turnpike at Exit 13 in Concord (Turnpike).
- Replacement of existing Weigh in Motion (WIM) station on the Spaulding Turnpike between Exits 12 and 13 (approx. MM 19.2) in Rochester. (Turnpike)

Hooksett Signal 43872

- Replacement of the traffic signal pole, mast arm, and foundation for the signal S-225-13 on NH Route 3A at the I-93 southbound Exit 10 ramps and Market Basket Drive in Hooksett. (District 5, damage recovery).

Seabrook Signal 43873

- Replacement of various traffic signal components for the signal S-409-02 on US Route 1 at the north entrance to the Seabrook Power Plant and the drive to Kong Thai restaurant in Seabrook. (District 6, damage recovery and Betterment improvements).

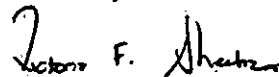
The proposed contingency amount is 5% of the contract amount. This is to account for the risks associated with unanticipated traffic control needs, the potential for necessary but unanticipated repair work to traffic signal-related equipment and other existing infrastructure near the work areas, and encountering latent conditions during excavation.

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: 70% Turnpike R&R, 21% Reimbursable Maintenance and Repair (Agency Income), 9% Betterment.

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: \$873,035.50
 Contract Amount: \$758,326.75
 Under Estimate: \$114,708.75
 Attachments



ABC Bid Data

CONCORD/ROCHESTER, SEABROOK SIGNAL, HOOKSETT SIGNAL

43762, 43873, 43872

NON-FEDERAL, NON-FEDERAL, NON-FEDERAL

PROJECT: CONCORD/ROCHESTER, SEABROOK SIGNAL, HOOKSETT SIGNAL

STATE PROJECT NUMBER: 43762, 43873, 43872

FED. PROJECT NUMBER: NON-FEDERAL, NON-FEDERAL, NON-FEDERAL

DATE BIDS OPEN: May 12, 2022, 2:00 PM

SCOPE OF WORK: Repair traffic signals in Concord and replace Weigh-in-Motion Station in Rochester

COMPLETION DATE: June 16, 2023

LOCATION: District 5, Strafford, Rockingham, Merrimack, District 6

Awarded To: NEW ENGLAND SIGNAL

SYSTEMS INC

PO BOX 326

NORTHWOOD, NH 03261-

0326

Amount: \$758,326.75

Award Date:

Certified by: PETER.E.STAMNAS

Director of Project Development

Summary of Bidders

Contractor	Bid Amount	Rank
NEW ENGLAND SIGNAL SYSTEMS INC PO BOX 326, NORTHWOOD NH 03261-0326	\$758,326.75	A



ABC Bid Data

CONCORD/ROCHESTER, SEABROOK SIGNAL, HOOKSETT SIGNAL

43762, 43873, 43872

NON-FEDERAL, NON-FEDERAL, NON-FEDERAL

Item No.	Description	Unit	Quantity	P&E		NEW ENGLAND SIGNAL SYSTEMS INC PO BOX 328 NORTHWOOD, NH 03281-0328		Unit Price	Total
				Unit Price	Total	Unit Price	Total		

Items

202.7	REMOVAL OF GUARDRAIL	LF	100.00	\$8.50	\$850.00	\$25.00	\$2,500.00		
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	15.00	\$65.00	\$975.00	\$25.05	\$375.75		
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	80.00	\$25.00	\$2,000.00	\$52.00	\$4,160.00		
606.91	RESETTING OR SETTING GUARDRAIL	LF	100.00	\$50.00	\$5,000.00	\$40.00	\$4,000.00		
606.9522	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 2	U	2.00	\$2,800.00	\$5,600.00	\$1,900.00	\$3,800.00		
608.1201	2" BITUMINOUS SIDEWALK	SY	25.00	\$200.00	\$5,000.00	\$100.00	\$2,500.00		
609.5	RESET GRANITE CURB	LF	100.00	\$35.00	\$3,500.00	\$25.00	\$2,500.00		
614.512	CONCRETE PULL BOX 18"	EA	3.00	\$1,088.50	\$3,265.50	\$900.00	\$2,700.00		
616.161	TRAFFIC SIGNALS (TEMPORARY)	U	1.00	\$7,500.00	\$7,500.00	\$12,500.00	\$12,500.00		
616.19101	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$52,500.00	\$52,500.00	\$69,200.00	\$69,200.00		
616.19102	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$152,500.00	\$152,500.00	\$151,350.00	\$151,350.00		
616.19103	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$17,500.00	\$17,500.00	\$28,695.00	\$28,695.00		
616.19104	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$25,000.00	\$25,000.00	\$34,675.00	\$34,675.00		
616.19105	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$3,500.00	\$3,500.00	\$9,900.00	\$9,900.00		
616.19106	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$6,500.00	\$6,500.00	\$9,500.00	\$9,500.00		
616.96	WEIGH-IN-MOTION TRAFFIC STUDY EQUIPMENT	U	1.00	\$410,000.00	\$410,000.00	\$213,725.00	\$213,725.00		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	19,125.00	\$1.00	\$19,125.00	\$1.00	\$19,125.00		
618.7	FLAGGERS	HR	183.00	\$40.00	\$6,520.00	\$42.00	\$6,846.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$25,000.00	\$25,000.00	\$65,000.00	\$65,000.00		
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$2,000.00	\$4,000.00	\$600.00	\$1,200.00		
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$10,000.00	\$20,000.00	\$1,400.00	\$2,800.00		
628.2	SAWED BITUMINOUS PAVEMENT	LF	60.00	\$5.00	\$300.00	\$5.00	\$250.00		
648.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	760.00	\$15.00	\$11,400.00	\$15.00	\$11,400.00		
671.62103	3" HDPE CONDUIT (DIRECTIONAL DRILL)	LF	150.00	\$100.00	\$15,000.00	\$90.00	\$13,500.00		



ABC Bid Data

CONCORD/ROCHESTER, SEABROOK SIGNAL, HOOKSETT SIGNAL

43762, 43873, 43872

NON-FEDERAL, NON-FEDERAL, NON-FEDERAL

Item No.	Description	Unit	Quantity	P&E		NEW ENGLAND SIGNAL SYSTEMS INC PO BOX 328 NORTHWOOD, NH 03261-0328		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
677.8213	GENERATOR BACKUP SYSTEM, PROPANE SMALL	U	1.00	\$22,500.00	\$22,500.00	\$25,125.00	\$25,125.00		
692.	MOBILIZATION	U	1.00	\$20,000.00	\$20,000.00	\$33,000.00	\$33,000.00		
1008.11	ALTERATIONS AND ADDITIONS AS NEEDED - UNANTICIPATED WORK	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00		
1008.251	ALTERATIONS AND ADDITIONS AS NEEDED - TEMPORARY PEDESTRIAN ACCOMMODATIONS	\$	3,000.00	\$1.00	\$3,000.00	\$1.00	\$3,000.00		
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00		
Totals:				\$873,035.50	\$873,035.50	\$758,326.75	\$758,326.75		
Alt. Totals:									
Totals:				\$873,035.50	\$873,035.50	\$758,326.75	\$758,326.75		



PS&E Comparison

CONCORD/ROCHESTER, SEABROOK SIGNAL, HOOKSETT SIGNAL

43762, 43873, 43872

NON-FEDERAL, NON-FEDERAL, NON-FEDERAL

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	100.00	\$25.00	\$2,500.00	\$8.50	\$850.00	\$1,650.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	15.00	\$25.05	\$375.75	\$65.00	\$975.00	(\$599.25)
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	80.00	\$52.00	\$4,160.00	\$25.00	\$2,000.00	\$2,160.00
606.91	RESETTING OR SETTING GUARDRAIL	LF	100.00	\$40.00	\$4,000.00	\$50.00	\$5,000.00	(\$1,000.00)
606.9522	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 2	U	2.00	\$1,900.00	\$3,800.00	\$2,800.00	\$5,600.00	(\$1,800.00)
608.1201	2" BITUMINOUS SIDEWALK	SY	25.00	\$100.00	\$2,500.00	\$200.00	\$5,000.00	(\$2,500.00)
609.5	RESET GRANITE CURB	LF	100.00	\$25.00	\$2,500.00	\$35.00	\$3,500.00	(\$1,000.00)
614.512	CONCRETE PULL BOX 18"	EA	3.00	\$900.00	\$2,700.00	\$1,088.50	\$3,265.50	(\$565.50)
616.161	TRAFFIC SIGNALS (TEMPORARY)	U	1.00	\$12,500.00	\$12,500.00	\$7,500.00	\$7,500.00	\$5,000.00
616.19101	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$69,200.00	\$69,200.00	\$52,500.00	\$52,500.00	\$16,700.00
616.19102	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$151,350.00	\$151,350.00	\$152,500.00	\$152,500.00	(\$1,150.00)
616.19103	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$28,695.00	\$28,695.00	\$17,500.00	\$17,500.00	\$11,195.00
616.19104	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$34,675.00	\$34,675.00	\$25,000.00	\$25,000.00	\$9,675.00
616.19105	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$9,900.00	\$9,900.00	\$3,500.00	\$3,500.00	\$6,400.00
616.19106	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$9,500.00	\$9,500.00	\$6,500.00	\$6,500.00	\$3,000.00



PS&E Comparison

CONCORD/ROCHESTER, SEABROOK SIGNAL, HOOKSETT SIGNAL

43762, 43873, 43872

NON-FEDERAL, NON-FEDERAL, NON-FEDERAL

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
616.96	WEIGH-IN-MOTION TRAFFIC STUDY EQUIPMENT	U	1.00	\$213,725.00	\$213,725.00	\$410,000.00	\$410,000.00	(\$196,275.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	19,125.00	\$1.00	\$19,125.00	\$1.00	\$19,125.00	\$0.00
618.7	FLAGGERS	HR	163.00	\$42.00	\$6,846.00	\$40.00	\$6,520.00	\$326.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$65,000.00	\$65,000.00	\$25,000.00	\$25,000.00	\$40,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$600.00	\$1,200.00	\$2,000.00	\$4,000.00	(\$2,800.00)
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$1,400.00	\$2,800.00	\$10,000.00	\$20,000.00	(\$17,200.00)
628.2	SAWED BITUMINOUS PAVEMENT	LF	50.00	\$5.00	\$250.00	\$6.00	\$300.00	(\$50.00)
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	760.00	\$15.00	\$11,400.00	\$15.00	\$11,400.00	\$0.00
671.62103	3" HDPE CONDUIT (DIRECTIONAL DRILL)	LF	150.00	\$90.00	\$13,500.00	\$100.00	\$15,000.00	(\$1,500.00)
677.6213	GENERATOR BACKUP SYSTEM, PROPANE SMALL	U	1.00	\$25,125.00	\$25,125.00	\$22,500.00	\$22,500.00	\$2,625.00
692.	MOBILIZATION	U	1.00	\$33,000.00	\$33,000.00	\$20,000.00	\$20,000.00	\$13,000.00
1008.11	ALTERATIONS AND ADDITIONS AS NEEDED - UNANTICIPATED WORK	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00	\$0.00
1008.251	ALTERATIONS AND ADDITIONS AS NEEDED - TEMPORARY PEDESTRIAN ACCOMMODATIONS	\$	3,000.00	\$1.00	\$3,000.00	\$1.00	\$3,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
Total:					\$758,326.75		\$873,035.50	(\$114,708.75)

May 25, 2022

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project requires signal work at multiple locations statewide:

- Replacement of signal hangers and brackets for the signal S-099-15 at US Route 3 underpass bridge for I-93/FE Everett Turnpike at Exit 13 in Concord. (Turnpike)
- Replacement of existing Weigh in Motion (WIM) station on the Spaulding Turnpike between Exits 12 and 13 (approx MM 19.2) in Rochester. (Turnpike)
- Replacement of the traffic signal pole, mast arm, and foundation for the signal S-225-13 on NH Route 3A at the I-93 southbound Exit 10 ramps and Market Basket Drive in Hooksett. (District 5, crash reimbursement, project 43872 Hooksett Signal)
- Replacement of various traffic signal components for the signal S-409-02 on US Route 1 at the north entrance to the Seabrook Power Plant and the drive to Kong Thai restaurant in Seabrook. (District 6, crash reimbursement and Betterment improvements, project 43873 Seabrook Signal)

FUNDING: 70% Turnpike, 21% Agency Income (Damage Recovery), 9% Betterment Funds

PROJECT INITIATED: To address various recent crash damage to signals and signal and WIM improvements.

CONTINGENCY: The proposed contingency amount is 5% of the contract amount. This is to account for the risks associated with unanticipated traffic control needs, the potential for necessary but unanticipated repair work to traffic signal-related equipment and other existing infrastructure near the work areas, and encountering latent conditions during excavation.

PROJECT EXPLANATION: To replace signal mast arms that have been damaged by collision, make necessary signal improvements, and replace an inoperable WIM station.

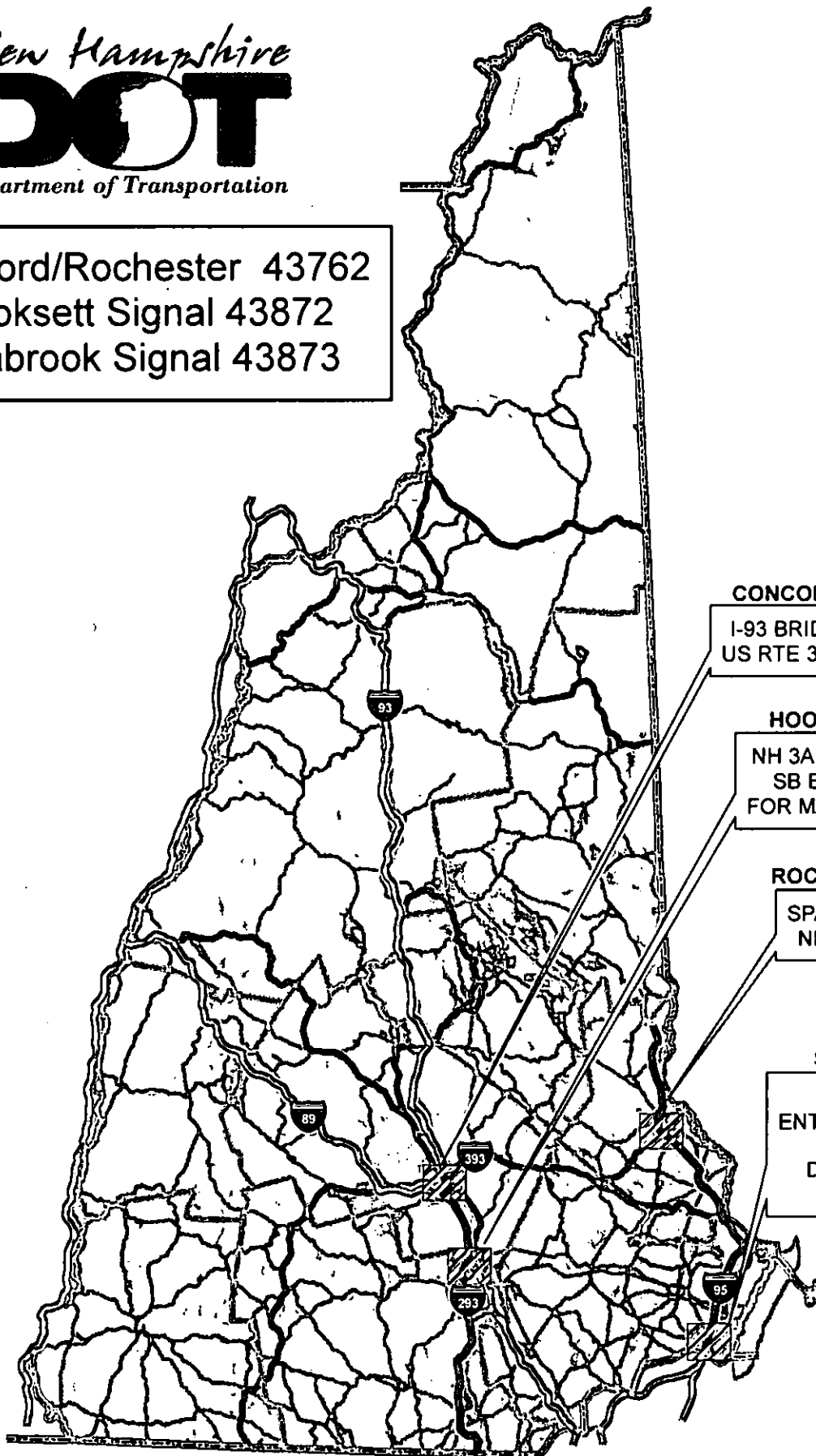
TRAFFIC IMPLICATIONS: Lane closures, shoulder closures and night work are anticipated on this contract. Lane closures on the Spaulding Turnpike will be performed at night. Lane closures will be used at other locations to allow for the removal and installation of signal equipment and will be restricted to off-peak traffic periods. Lane and shoulder closures will be permitted during daytime operations during off peak timeframes or at night and where the work is outside the traveled way. The Contractor may determine to erect the signal mast arms at night. Uniformed officers will be required for both lane and shoulder closures due to the high-speed and high-volume nature of the facilities. Work zone significance was determined to be non-significant at the February 17, 2022 Traffic Control Committee Meeting.

ADVERTISING DATE: April 19, 2022

COMPLETION DATE: June 16, 2023



Concord/Rochester 43762
 Hooksett Signal 43872
 Seabrook Signal 43873



CONCORD-43762
 I-93 BRIDGE OVER
 US RTE 3 AT EXIT 13

HOOKSETT-43872
 NH 3A AT END OF I-93
 SB EXIT 10 RAMP
 FOR MARKET BASKET

ROCHESTER-43762
 SPAULDING TPK
 NEAR MM 19.2

SEABROOK-43873
 US RTE 1 AT NORTH
 ENTRANCE TO SEABROOK
 POWER PLANT AND
 DRIVE TO KONG THAI
 RESTAURANT

NOTE:
 PE and CE performed under site specific project numbers as shown.

STATE OF NEW HAMPSHIRE
 DEPARTMENT OF TRANSPORTATION BUREAU OF TRAFFIC

CONCORD, HOOKSETT, SEABROOK & ROCHESTER

State of New Hampshire

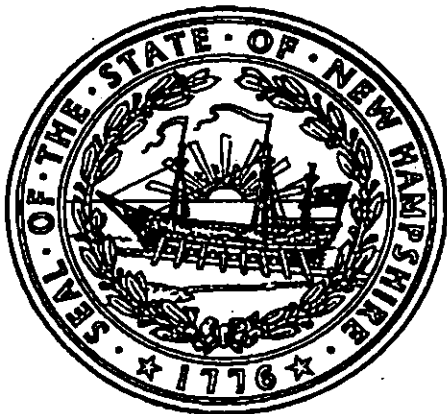
Department of State

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)

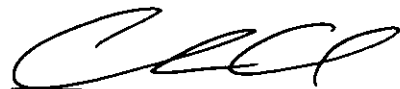
of, New England Signal Systems, Inc. which is a Corporation registered with the
(Name of Corporation)

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: May 13, 2022

ATTEST:



Christopher T. Quinn
President and Sole Officer

