



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



Victoria F. Sheehan
Commissioner

William Cass, P.E.
Assistant Commissioner

Bureau of Construction
July 15, 2016

Her Excellency, Governor Margaret Wood Hassan
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

1. Authorize the Department of Transportation to enter into a contract with J. Parker & Daughters Construction (Vendor 156376) of Pittsfield, NH on the basis of a low bid of \$636,700.00 for slope stabilization and minor abutment repairs under the I-293 northbound and southbound bridge over Black Brook in Manchester, from the date of Governor and Council approval through April 28, 2017 unless extended by the Department in accordance with the Standard Specifications. 100% Turnpike Funds.

Funding is available as follows: FY 2017
04-96-96-961017-7025
Turnpike Renewal & Replacement
400-500870 Highway Contract Payments \$636,700.00

2. Further authorize that a contingency in the amount of \$31,835.00 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 and is reasonable for projects of this type.

Contingency Funding is available as follows: FY 2017
04-96-96-961017-7025
Turnpike Renewal & Replacement
400-500870 Highway Contract Payments \$31,835.00

EXPLANATION

This project is part of the State's Ten Year Transportation Improvement Plan, under the Turnpikes Renewal and Replacement Program. This project involves slope stabilization and minor abutment repairs under the I-293 northbound and southbound bridge over Black Brook in Manchester. Stone filled steel-caged gabions will be placed to recreate a stable embankment under the bridges. The bridges were constructed circa 1956 and are painted steel beam bridges with a concrete deck slab and bituminous wearing surface. The bridges carry two lanes of traffic in each direction with a curb-to-curb width of 35'-6".

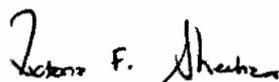
The existing bridge foreslopes and channel embankments have been subject to severe scour and erosion in the last decade that has exposed abutment piling supports for the bridge and undermined the abutments. In 2009, areas under both bridges were temporarily stabilized by replacing missing channel embankment with stone fill. However, bridge inspections indicate the channel armament and abutments are continuing to be undermined at both abutments of both bridges. These bridges are on the State's Red List; the proposed improvements will address the deficiencies and allow their removal from this listing.

The contingency amount is proposed to be 5% of the item total amount due to the potential for necessary but unanticipated repair work, which is not visible due to the current water levels.

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 that the bid reasonably conforms to the engineer's estimate (1.3% over). 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.

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/md

Department Estimate: \$628,500.00

Contract Amount: \$636,700.00

Over Estimate: \$ 8,200.00

Attachments

May 26, 2016

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project involves slope stabilization and minor abutment repairs under the I-293 northbound and southbound bridge over Black Brook in Manchester. Stone filled steel-caged gabions will be placed to recreate a stable embankment under the bridges. The bridges were constructed circa 1956 and are painted steel beam bridges with a concrete deck slab and bituminous wearing surface. The bridges carry two lanes of traffic in each direction with a curb-to-curb width of 35'-6".

FEDERAL FUNDING: 0% (Turnpike Funded from the Renewal and Replacement Program)

CONTINGENCY: The contingency amount is proposed to be 5% of the item total amount due to the potential for necessary but unanticipated repair work, which is not visible due to the current water levels.

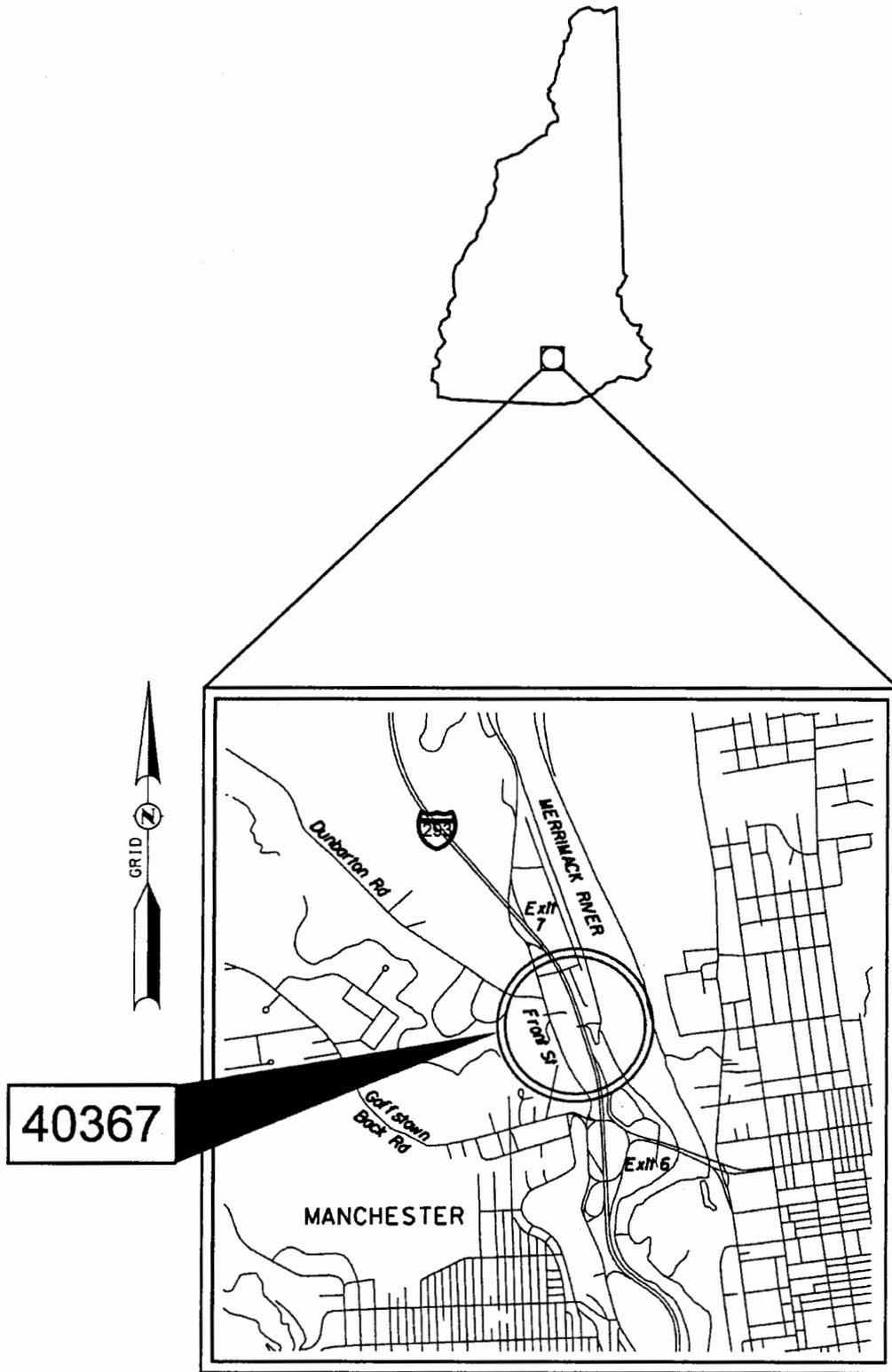
PROJECT INITIATED: Bureau of Turnpikes Renewal and Replacement Program

EXPLANATION: The existing bridge foreslopes and channel embankments have been subject to severe scour and erosion in the last decade that has exposed abutment piling supports for the bridge and undermined the abutments. In 2009, NHDOT Bridge Maintenance temporarily stabilized areas under both bridges by replacing missing channel embankment with stone fill. However, bridge inspections indicate the channel armament and abutments are continuing to be undermined at both abutments of both bridges. These bridges are on the State's Red List, the proposed improvements will address the deficiencies and allow their removal from this listing.

TRAFFIC IMPLICATIONS: Construction operations will be completed during daytime operations within the constraints of the contract. Temporary Exit 7 ramp closures, temporary southbound median closures and shoulder closures are permitted to allow access to the construction sites. No northbound median lane closures are permitted due to proximity with Exit 6 northbound on ramp. Lane closures will not be permitted during peak traffic volume timeframes. Work impeding with traffic will be suspended during holidays consistent with Department practices and special events as necessary.

COMPLETION DATE: April 28, 2017

Manchester 40367 Black Brook Slope Stabilization



LOCATION MAP



GRAPHIC SCALE

PROJECT: MANCHESTER
 STATE PROJECT NUMBER: 40367
 FED. PROJECT NUMBER: NON-FEDERAL
 DATE BIDS OPEN: June 30, 2016, 2:00
 SCOPE OF WORK: Provide Scour Protection for the I-293 NB & SB over Black Brook Bridges
 COMPLETION DATE: April 28, 2017
 LOCATION: Hillsborough

Awarded To: PARKER, J. & DAUGHTERS
 CONST.
 70 DAROSKA ROAD
 PITTSFIELD, NH 03263-9204

Amount: \$636,700.00
 Award Date:
 Certified by: _____
Director of Project Development

Summary of Bidders

Contractor	Bid Amount	Rank
PARKER, J. & DAUGHTERS CONST. 70 DAROSKA ROAD, PITTSFIELD NH 03263-9204 NORTHEAST EARTH MECHANICS INC 159 BARNSTEAD ROAD, PITTSFIELD NH 03263	\$636,700.00	A
	\$727,275.00	B

PS&E Comparison

MANCHESTER
 40367
 NON-FEDERAL

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	750.000	\$5.00	\$3,750.00	\$5.00	\$3,750.00	\$0.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	10.000	\$60.00	\$600.00	\$75.00	\$750.00	(\$150.00)
207.3	UNCLASSIFIED CHANNEL EXCAVATION	CY	540.000	\$45.00	\$24,300.00	\$70.00	\$37,800.00	(\$13,500.00)
209.1	GRANULAR BACKFILL	CY	150.000	\$50.00	\$7,500.00	\$75.00	\$11,250.00	(\$3,750.00)
500.02	ACCESS FOR BRIDGE CONSTRUCTION	U	1.000	\$40,000.00	\$40,000.00	\$70,000.00	\$70,000.00	(\$30,000.00)
503.1	WATER DIVERSION STRUCTURES	U	1.000	\$70,000.00	\$70,000.00	\$120,000.00	\$120,000.00	(\$50,000.00)
508.	STRUCTURAL FILL	CY	260.000	\$60.00	\$15,600.00	\$75.00	\$19,500.00	(\$3,900.00)
520.1	CONCRETE CLASS A	CY	4.000	\$1,800.00	\$7,200.00	\$2,000.00	\$8,000.00	(\$800.00)
520.2	CONCRETE CLASS B	CY	9.000	\$1,800.00	\$16,200.00	\$600.00	\$5,400.00	\$10,800.00
582.1	SLOPE PAVING WITH CONCRETE (F)	SY	250.000	\$100.00	\$25,000.00	\$70.00	\$17,500.00	\$7,500.00
584.	ROCK FILLED GALVANIZED WIRE MESH BOXES	CY	1,100.000	\$250.00	\$275,000.00	\$180.00	\$198,000.00	\$77,000.00
593.211	GEOTEXTILE; SEPARATION CL.1, NON-WOVEN	SY	2,600.000	\$3.00	\$7,800.00	\$3.00	\$7,800.00	\$0.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	12,000.000	\$1.00	\$12,000.00	\$1.00	\$12,000.00	\$0.00
618.7	FLAGGERS	HR	100.000	\$22.00	\$2,200.00	\$25.00	\$2,500.00	(\$300.00)
619.1	MAINTENANCE OF TRAFFIC	U	1.000	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$0.00

Items

619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.000	\$4,500.00	\$9,000.00	\$2,500.00	\$5,000.00	\$4,000.00
645.0001	TURBIDITY BARRIER	LF	100.000	\$50.00	\$5,000.00	\$16.00	\$1,600.00	\$3,400.00
645.3	EROSION STONE	TON	40.000	\$70.00	\$2,800.00	\$60.00	\$2,400.00	\$400.00
645.531	SILT FENCE	LF	1,000.000	\$5.00	\$5,000.00	\$3.00	\$3,000.00	\$2,000.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.000	\$4,000.00	\$4,000.00	\$2,500.00	\$2,500.00	\$1,500.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	50.000	\$45.00	\$2,250.00	\$75.00	\$3,750.00	(\$1,500.00)
692.	MOBILIZATION	U	1.000	\$60,000.00	\$60,000.00	\$55,000.00	\$55,000.00	\$5,000.00
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.000	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$500.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	10,000.000	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	10,000.000	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00

Total: \$636,700.00 \$628,500.00 \$8,200.00



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
7/27/2016

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 Infantine Insurance P. O. Box 5125 Manchester NH 03108	CONTACT NAME: Julie Levesque, CPCU, CIC PHONE (A/C. No. Ext): (800) 937-0704 E-MAIL ADDRESS: jlevesque@infantine.com	FAX (A/C. No): (603) 669-6831
	INSURER(S) AFFORDING COVERAGE	
INSURED J. Parker & Daughters Construction, Inc. 70 Daroska Road Pittsfield NH 03263	INSURER A: Fireman's Ins. Co. of Washington	
	INSURER B: Acadia Ins Co.	
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES **CERTIFICATE NUMBER:** 16/17 **REVISED Master** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR 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 type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			CPA020551019	4/1/2016	4/1/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 250,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS			CAA020551119	4/1/2016	4/1/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0			CUA020551319	4/1/2016	4/1/2017	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WPA508768813 3A State: NH	4/1/2016	4/1/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
RE: Manchester 40367 Slope Stabilization & Minor Abutment Repairs
It is agreed and understood that The State of NH Department of Transportation is included as additional insured with regards to General Liability with regards to General Liability.

CERTIFICATE HOLDER The State of NH Department of Transportat PO Box 483 Concord, NH 03301	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE Charles Hamlin/JL6



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
7/11/2016

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	PHONE (A/C No, Ext): (800) 937-0704 FAX (A/C No): (603) 669-6831 E-MAIL ADDRESS: jlevesque@infantine.com	
INSURED State of NH Department of Transportation c/o J Parker & Daughters Construction 70 Daroska Road Pittsfield NH 03263	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Firemen's Ins. Co. of Washington	21784
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES CERTIFICATE NUMBER: 16/17 OCP Black Brook REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Owners & Contractors GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			OCPS26607210	7/11/2016	7/11/2017	EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ Owners Contractors Protective \$ 1,000,000
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 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)
RE: Manchester 40367 Slope Stabilization & Minor Abutment Repairs

CERTIFICATE HOLDER State of NH Department of Transportation PO Box 483 Concord, NH 03301	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE Charles Hamlin/JL6 <i>Charles Hamlin</i>