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**THE STATE OF NEW HAMPSHIRE**  
**DEPARTMENT OF TRANSPORTATION**



*Victoria F. Sheehan*  
*Commissioner*

*William Cass, P.E.*  
*Assistant Commissioner*

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

Bureau of Construction  
May 21, 2020

**REQUESTED ACTION**

1. Authorize the Department of Transportation to enter into a contract with Alvin J. Coleman & Son, Inc. (Vendor 154411) of Conway, NH, on the basis of a low bid of \$536,890.00 for covered bridge scour protection, from the date of Governor and Council approval through November 13, 2020, unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available in State Fiscal Year 2020 and Fiscal Year 2021 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 2020</u>	<u>FY 2021</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments	\$191,746.42	\$345,143.58

2. Further authorize that a contingency in the amount of \$53,689.00 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 2020</u>	<u>FY 2021</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments		\$53,689.00

**EXPLANATION**

This project is part of the State's Ten Year Transportation Improvement Plan, under the Bridge-T 3-4 Maintenance & Preservation Program. The project involves installing an armoring layer (scour countermeasures) designed to resist erosion around the abutments and pier of Br. No. 167/067, East Side Road over the Saco River in the Town of Conway. Partially grouted riprap will be installed at the pier and both abutments. The bridge is coded scour critical and considered vulnerable to erosion/scour during severe flood events.

The existing bridge, built in 1890 and preserved in 1989, is a two-span covered bridge with a timber deck and is approximately 227 feet long. East Side Road over the Saco River (Br. No. 167/067) is #15 on the Bridge Tier 3&4 M&P 2018 priority list. This bridge's current condition rating is Deck: 7,

Superstructure: 5, and Substructure: 7. Performing bridge preservation activities on the bridge will prevent scour at this historic structure and extend the useful life of the bridge.

The proposed contingency amount is 10% of the contract amount. This work includes installation of scour countermeasures along with monitoring of discharged water into the Saco River. The extent of this work has been estimated, but the full extent of the work will not be fully known until the cofferdams are installed at the bridge. These factors increase the risk of overruns.

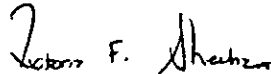
The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General as to form and execution, and the Department has certified that the necessary funds are available and the bid reasonably conforms to the engineer's estimate in accordance with State procedure. 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 as follows: \$240,000.00 National Historic Covered Bridge Preservation Grant; Remainder: 80% Federal (Bridge-T 3-4 Maintenance & Preservation) with anticipated utilization of Turnpike Toll Credits for the State's 20% match, effectively using 100% Federal Funds for the balance.

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: \$551,915.00  
Contract Amount: \$536,890.00  
Under Estimate: \$ 15,025.00  
Attachments



Item No.	Description	Unit	Quantity	PS&E		COLEMAN ALVIN J & SON INC 8 NH ROUTE 113 CONWAY, NH 03818-8505		SICARD INC, J P 234 GLOVER ROAD BARTON, VT 05822	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

207.3	UNCLASSIFIED CHANNEL EXCAVATION	CY	340.00	\$20.00	\$6,800.00	\$61.00	\$20,740.00	\$50.00	\$17,000.00
304.6	CRUSHED STONE (VERY COARSE)	CY	90.00	\$60.00	\$5,400.00	\$72.00	\$6,480.00	\$72.00	\$6,480.00
600.02	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$150,000.00	\$150,000.00	\$107,900.00	\$107,900.00	\$106,983.00	\$106,983.00
603.201	COFFERDAMS	U	1.00	\$20,000.00	\$20,000.00	\$30,900.00	\$30,900.00	\$27,930.00	\$27,930.00
603.202	COFFERDAMS	U	1.00	\$20,000.00	\$20,000.00	\$30,400.00	\$30,400.00	\$30,332.00	\$30,332.00
603.203	COFFERDAMS	U	1.00	\$40,000.00	\$40,000.00	\$65,300.00	\$65,300.00	\$123,558.00	\$123,558.00
683.0505	PARTIALLY GROUTED RIP RAP, 12 INCH	CY	670.00	\$225.00	\$128,250.00	\$210.00	\$119,700.00	\$135.00	\$78,950.00
685.1	STONE FILL, CLASS A	CY	10.00	\$75.00	\$750.00	\$62.00	\$620.00	\$81.00	\$810.00
685.2	STONE FILL, CLASS B	CY	45.00	\$55.00	\$2,475.00	\$62.00	\$2,790.00	\$91.00	\$4,095.00
693.411	GEOTEXTILE; PERM CONTROL CL1, NON-WOVEN	SY	130.00	\$8.00	\$1,040.00	\$3.00	\$390.00	\$5.00	\$650.00
618.7	FLAGGERS	HR	240.00	\$45.00	\$10,800.00	\$39.00	\$9,360.00	\$44.00	\$10,560.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$30,000.00	\$30,000.00	\$21,900.00	\$21,900.00	\$16,785.00	\$16,785.00
645.0001	TURBIDITY BARRIER	LF	515.00	\$40.00	\$20,600.00	\$42.00	\$21,630.00	\$50.00	\$25,750.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$6,000.00	\$6,000.00	\$3,800.00	\$3,800.00	\$3,450.00	\$3,450.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	232.00	\$150.00	\$34,800.00	\$65.00	\$15,080.00	\$259.00	\$60,088.00
650.2	LANDSCAPING	U	1.00	\$15,000.00	\$15,000.00	\$5,400.00	\$5,400.00	\$16,000.00	\$16,000.00
692.	MOBILIZATION	U	1.00	\$48,000.00	\$48,000.00	\$62,500.00	\$62,500.00	\$71,915.00	\$71,915.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
1010.15	FUEL ADJUSTMENT	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00

Totals:	\$551,915.00	\$536,890.00	\$611,338.00
Alt. Totals:			
Totals:	\$551,915.00	\$536,890.00	\$611,338.00

Item No.	Description	Unit	Quantity	PS&E		PPER, R. M. INC. 141 S MITH BRIDGE RD PLYMOUTH, NH 03284-0498		Unit Price	Total
				Unit Price	Total	Unit Price	Total		

Items

207.3	UNCLASSIFIED CHANNEL EXCAVATION	CY	340.00	\$20.00	\$6,800.00	\$20.00	\$6,800.00		
304.6	CRUSHED STONE (VERY COARSE)	CY	90.00	\$60.00	\$5,400.00	\$40.00	\$3,600.00		
500.02	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$150,000.00	\$150,000.00	\$200,000.00	\$200,000.00		
603.201	COFFERDAMS	U	1.00	\$20,000.00	\$20,000.00	\$35,000.00	\$35,000.00		
603.202	COFFERDAMS	U	1.00	\$20,000.00	\$20,000.00	\$35,000.00	\$35,000.00		
603.203	COFFERDAMS	U	1.00	\$40,000.00	\$40,000.00	\$67,500.00	\$67,500.00		
683.0505	PARTIALLY GROUTED RIP RAP, 12 INCH	CY	670.00	\$225.00	\$128,250.00	\$200.00	\$114,000.00		
685.1	STONE FILL, CLASS A	CY	10.00	\$75.00	\$750.00	\$60.00	\$600.00		
685.2	STONE FILL, CLASS B	CY	45.00	\$55.00	\$2,475.00	\$60.00	\$2,700.00		
693.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	130.00	\$8.00	\$1,040.00	\$2.80	\$364.00		
618.7	FLAGGERS	HR	240.00	\$45.00	\$10,800.00	\$45.00	\$10,800.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$30,000.00	\$30,000.00	\$25,000.00	\$25,000.00		
645.0001	TURBIDITY BARRIER	LF	515.00	\$40.00	\$20,600.00	\$32.50	\$16,737.50		
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$6,000.00	\$6,000.00	\$6,500.00	\$6,500.00		
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	232.00	\$150.00	\$34,800.00	\$160.00	\$37,120.00		
650.2	LANDSCAPING	U	1.00	\$15,000.00	\$15,000.00	\$16,000.00	\$16,000.00		
692.	MOBILIZATION	U	1.00	\$48,000.00	\$48,000.00	\$80,000.00	\$80,000.00		
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00		
1010.15	FUEL ADJUSTMENT	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00		

Totals:	\$551,915.00	\$669,721.50
Alt. Totals:		
Totals:	\$551,915.00	\$669,721.50



## PS&E Comparison

CONWAY  
25103  
X-A003(039)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
<b>Items</b>								
207.3	UNCLASSIFIED CHANNEL EXCAVATION	CY	340.00	\$61.00	\$20,740.00	\$20.00	\$6,800.00	\$13,940.00
304.6	CRUSHED STONE (VERY COARSE)	CY	90.00	\$72.00	\$6,480.00	\$60.00	\$5,400.00	\$1,080.00
500.02	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$107,900.00	\$107,900.00	\$150,000.00	\$150,000.00	(\$42,100.00)
503.201	COFFERDAMS	U	1.00	\$30,900.00	\$30,900.00	\$20,000.00	\$20,000.00	\$10,900.00
503.202	COFFERDAMS	U	1.00	\$30,400.00	\$30,400.00	\$20,000.00	\$20,000.00	\$10,400.00
503.203	COFFERDAMS	U	1.00	\$65,300.00	\$65,300.00	\$40,000.00	\$40,000.00	\$25,300.00
583.0505	PARTIALLY GROUTED RIP RAP, 12 INCH	CY	570.00	\$210.00	\$119,700.00	\$225.00	\$128,250.00	(\$8,550.00)
585.1	STONE FILL, CLASS A	CY	10.00	\$62.00	\$620.00	\$75.00	\$750.00	(\$130.00)
585.2	STONE FILL, CLASS B	CY	45.00	\$62.00	\$2,790.00	\$55.00	\$2,475.00	\$315.00
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	130.00	\$3.00	\$390.00	\$8.00	\$1,040.00	(\$650.00)
618.7	FLAGGERS	HR	240.00	\$39.00	\$9,360.00	\$45.00	\$10,800.00	(\$1,440.00)
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$21,900.00	\$21,900.00	\$30,000.00	\$30,000.00	(\$8,100.00)
645.0001	TURBIDITY BARRIER	LF	515.00	\$42.00	\$21,630.00	\$40.00	\$20,600.00	\$1,030.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$3,800.00	\$3,800.00	\$6,000.00	\$6,000.00	(\$2,200.00)



## PS&E Comparison

CONWAY  
25103  
X-A003(039)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	232.00	\$65.00	\$15,080.00	\$150.00	\$34,800.00	(\$19,720.00)
650.2	LANDSCAPING	U	1.00	\$5,400.00	\$5,400.00	\$15,000.00	\$15,000.00	(\$9,600.00)
692.	MOBILIZATION	U	1.00	\$62,500.00	\$62,500.00	\$48,000.00	\$48,000.00	\$14,500.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$0.00
<b>Total:</b>					<b>\$536,890.00</b>		<b>\$551,915.00</b>	<b>(\$15,025.00)</b>

April 9, 2020

## SUPPLEMENTAL PROJECT INFORMATION SHEET

**DESCRIPTION:** The project involves installing an armoring layer (scour countermeasures) designed to resist erosion around the abutments and pier of Br. No. 167/067, East Side Road over the Saco River in the Town of Conway. Partially grouted riprap will be installed at the pier and both abutments. The bridge is coded scour critical and considered vulnerable to erosion/scour during severe flood events.

**FEDERAL FUNDING:** \$240,000 National Historic Covered Bridge Preservation Grant, Remainder = 80% (Bridge-T 3-4 Maintenance & Preservation) with anticipated utilization of Turnpike Toll Credits for the State's 20% match

**CONTINGENCY:** The contingency amount is proposed to be 10%. This work includes installation of scour countermeasures along with monitoring of discharged water into the Saco River. The extent of this work has been estimated, but the full extent of the work will not be fully known until the cofferdams are installed at the bridge. These factors increase the risk of overruns.

**PROJECT INITIATED:** Bridge-T 3-4 Maintenance & Preservation

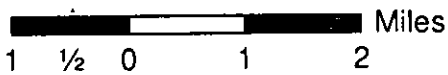
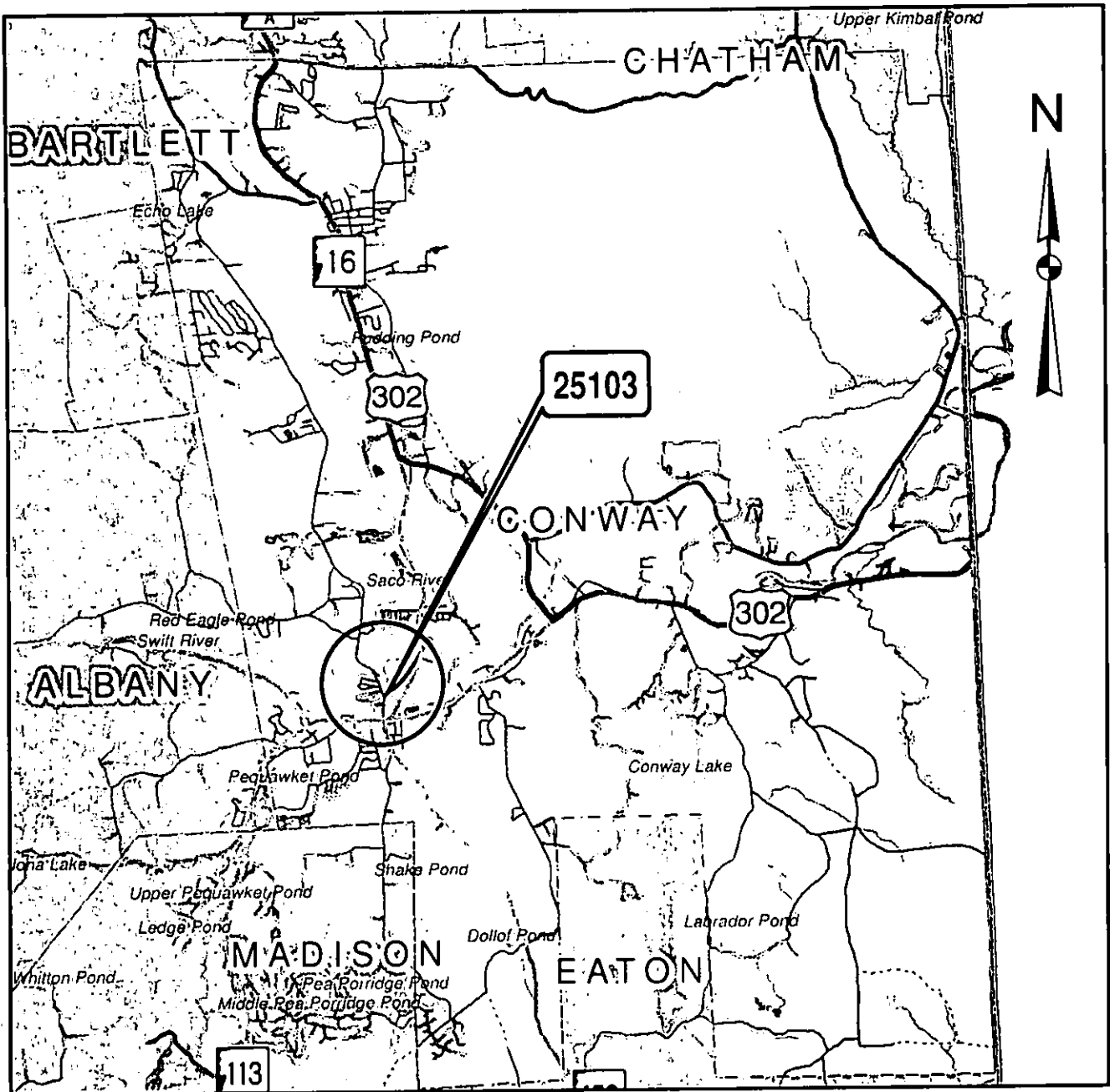
**PROJECT EXPLANATION:** The existing bridge, built in 1890 and preserved in 1989, is a two-span covered bridge with a timber deck and is approximately 227 feet long. East Side Road over the Saco River (Br. No. 167/067) is #15 on the Bridge Tier 3&4 M&P 2018 priority list. This bridge's current condition rating is Deck: 7, Superstructure: 5, and Substructure: 7. Performing bridge preservation activities on the bridge will prevent scour at this historic structure and extend the useful life of the bridge.

**TRAFFIC IMPLICATION:** The project anticipates minimal traffic impacts on East Side Road during one construction season. Work will be performed beneath the bridge and access to the abutments and piers will be via private residences adjacent to the East and West Abutments. Temporary easements have been completed with all land owners. TCC Meeting occurred on 1-19-2017, Work Zone Significance: Non-Significant.

**FINAL COMPLETION DATE:** November 13, 2020



# CONWAY - EAST SIDE ROAD

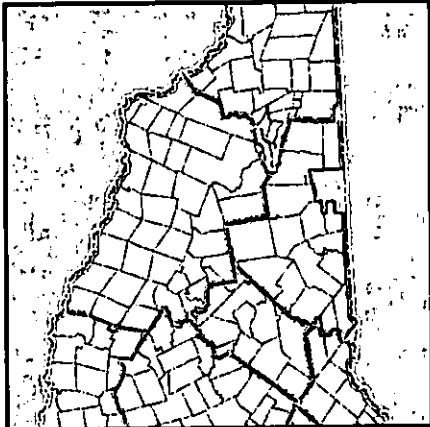


**LEGEND**

- Streams
- Water Bodies
- US Routes
- State Routes
- Interstates
- Local Roads
- Town Boundary

*New Hampshire*  
**DOT**  
 Department of Transportation

State #: 25103  
 Federal #: X-A003(039)  
**LOCATION MAP**







# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/8/2020

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).

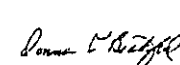
<b>PRODUCER</b> THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511	<b>CONTACT NAME:</b> Donna Bickford	
	<b>PHONE (A/C No. Ext):</b> (603) 224-2562	<b>FAX (A/C No.):</b> (603) 224-8012
<b>E-MAIL ADDRESS:</b> dbickford@rowleyagency.com		
<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
<b>INSURER A:</b> Acadia Insurance Company		31325
<b>INSURER B:</b>		
<b>INSURER C:</b>		
<b>INSURER D:</b>		
<b>INSURER E:</b>		
<b>INSURER F:</b>		

**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 INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	COMMERCIAL GENERAL LIABILITY			OCFB205814083	5/13/2020	5/13/2021	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 Protec						MED EXP (Any one person)	\$
	GEN'L AGGREGATE LIMIT APPLIES PER:							PERSONAL & ADV INJURY
	<input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						GENERAL AGGREGATE	\$ 3,000,000
	OTHER:						PRODUCTS - COMPOP AGG	\$
	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							\$
	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	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)						OTH-ER	
	If yes, describe under DESCRIPTION OF OPERATIONS below						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)  
 Job: Conway #25103- Installation of an armoring layer (scour countermeasures) designed to resist erosion around the abutments & pier of BR No. 167/067, East Side Road over the Saco River in Town of Conway

<b>CERTIFICATE HOLDER</b>  State of NH-Dept. of Transportation PO Box 483 Concord, NH 03302-0483	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	<b>AUTHORIZED REPRESENTATIVE</b>  Donna Bickford/DTB 

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