



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



26 Beaman

Victoria F. Sheehan
Commissioner

William Cass, P.E.
Assistant Commissioner

Bureau of Construction
October 26, 2015

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 R.M. Piper, Inc. (Vendor 174180) of Plymouth, NH on the basis of a low bid of \$486,738.50 for bridge rehabilitation work on the bridge that carries US 302/NH 10 over the NH RR in the Town of Lisbon, from the date of Governor and Council approval through September 30, 2016 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Table with 3 columns: Funding description, FY 2016, FY 2017. Rows include Consolidated Federal Aid and 400-500870 Highway Contract Payments.

2. Further authorize that a contingency in the amount of \$48,673.85 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.

Table with 3 columns: Funding description, FY 2016, FY 2017. Rows include Consolidated Federal Aid and 400-500870 Highway Contract Payments.

EXPLANATION

This project is part of the State's 10-Year Transportation Improvement Plan under the Statewide FBRPI Program to address bridge preservation efforts. This project consists of the rehabilitation of the bridge (Lisbon Br. No. 094/112) that carries US 302 / NH 10 over the NH RR (abandoned) (also known as the rail/trail) and associated work on the roadway approaches to the bridge. The major bridge rehabilitation work will include the rehabilitation of the concrete bridge deck and abutments, as well as the replacement of the expansion joints. This existing bridge deck has a condition rating of 5 on a scale of 1 to 9 and is showing signs of deterioration. The concrete bridge deck constructed in 1979 has spalls on the underside of the deck. The existing concrete abutments are also spalled and in need of repair.

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The contingency amount is proposed to be 10% of the contract amount, and is needed as this work includes the rehabilitation of a bridge, which typically has higher risks of cost and quantity overruns due to the nature of the rehabilitation work and the inability to accurately quantify the extent of deck repairs. Until the existing pavement and membrane on the deck is removed, the true extent of the repair work is only an estimate.

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 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 funds with 20% state match. Turnpike toll credit is being utilized for match requirements, 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.

Sincerely,



Victoria F. Sheehan
Commissioner

VFS/md

Department Estimate: \$507,910.50
Contract Amount: \$486,738.50
Under Estimate: \$ 21,172.00

Attachments

LISBON
X-A004(310)
29774

August 6, 2015

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project consists of the rehabilitation of the bridge (Lisbon Br. No. 094/112) that carries US 302 / NH 10 over the NH RR (abandoned) (also known as the rail/trail) and associated work on the roadway approaches to the bridge. The major bridge rehabilitation work will include the rehabilitation of the concrete bridge deck and abutments, as well as the replacement of the expansion joints.

FEDERAL FUNDING: 80% Federal Funding with the State's 20% match being Turnpike Toll Credits

CONTINGENCY: The Contingency amount is proposed to be 10%. This work includes the rehabilitation of the bridge, which typically has higher risks of costs and quantity overruns due to the nature of the rehabilitation work and the inability to accurately quantify the extent of deck repairs. Until the existing pavement and membrane on the deck is removed, the true extent of the repair work is only an estimate.

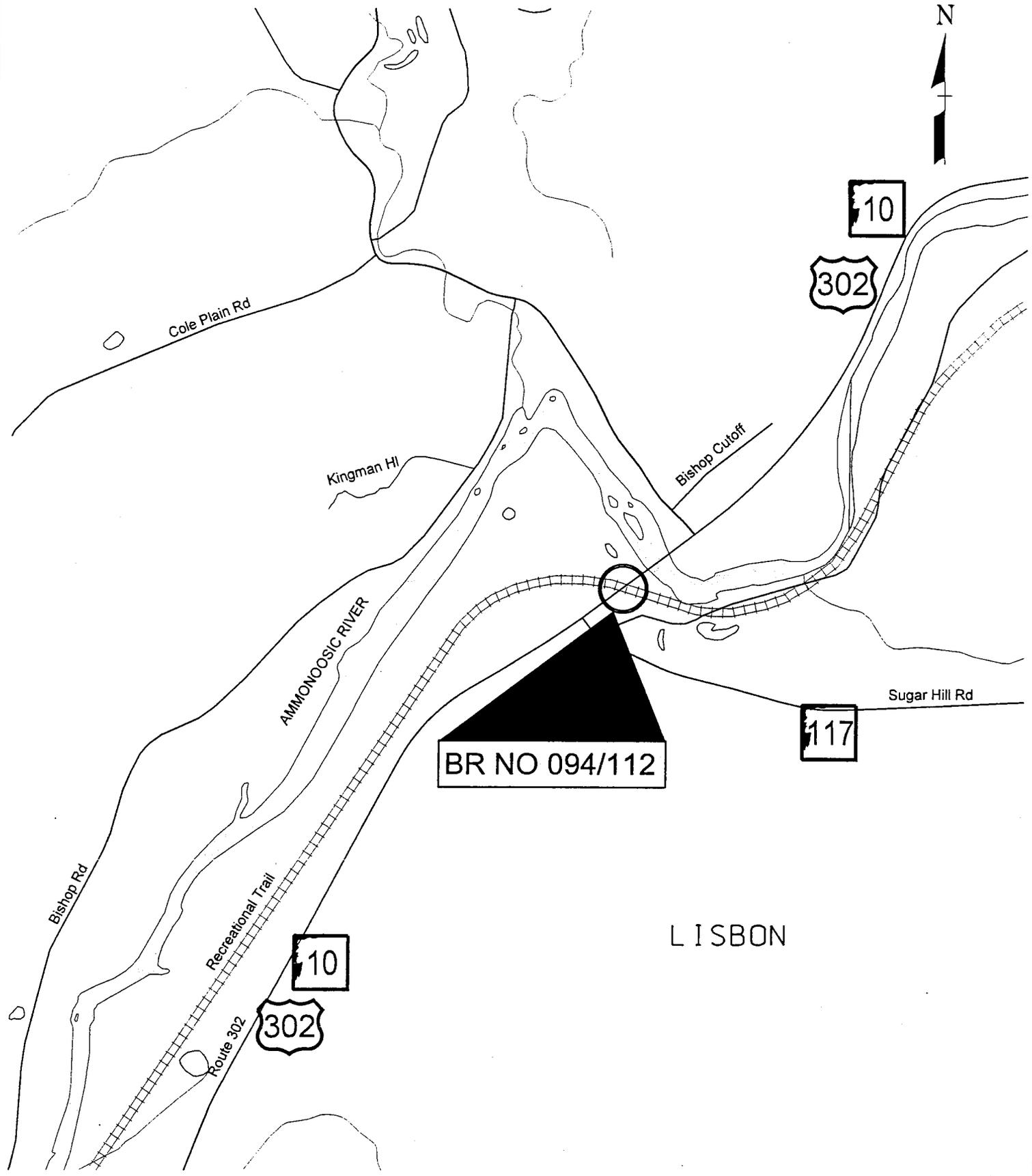
PROJECT INITIATED: State's Ten Year Plan

PROJECT EXPLANATION: The existing bridge deck has a condition rating of 5 on a scale of 1 to 9 and is showing signs of deterioration. The concrete bridge deck constructed in 1979 has spalls on the underside of the deck. The existing concrete abutments are also spalled and in need of repair.

TRAFFIC IMPLICATIONS: Bridge rehabilitation work will be done utilizing phased construction in two phases. Work will be done on approximately one-half bridge width at a time. During each phase of construction a one-lane, alternating two-way traffic pattern will be implemented utilizing temporary traffic signals. Continuous day and overnight lane closures will not begin prior to April 1, 2016. Signals will be located along US 302 / NH10 just south of the bridge over the Ammonoosuc River and south of NH 117. Temporary signals will also be installed at the intersections of NH 117 to control traffic entering onto US 302 / NH10 from this intersecting roadway. A minimum lane width of seventeen (17) feet will be maintained. Trail users will be separated from the abutment work with snow fence.

COMPLETION DATE: September 30, 2016

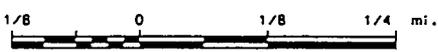
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BR NO 094/112

LISBON

LISBON 29774



GRAPHIC SCALE

**State of New Hampshire
Department of Transportation**

29774.01

Project: LISBON X-A004(310) 29774
County and Code: GRAFTON COUNTY 009
Date Bids Open: September 24, 2015
Scope of Work: BRIDGE REHABILITATION
Location: THE BRIDGE THAT CARRIES US 302/NH 10
Completion Date: September 30, 2016

A RM PIPER INC (R001) PO BOX 490 PLYMOUTH, NH 03264	\$486,738.50
B WINTERSET, INC. PO BOX 968, 128 WINTERSET DRIVE, LYNDONVILLE, VT 05851	\$489,737.80
C T BUCK CONSTRUCTION INC 249 MERROW ROAD AUBURN ME 04210	\$557,404.00
D J.P. SICARD, INC. PO BOX 508 BARTON, VT 05822	\$592,270.00
E ALVIN J COLEMAN & SON INC (B001) 9 NH RTE 113 CONWAY, NH 03818-9505	\$611,699.00

Item No:	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
304.3	CRUSHED GRAVEL (F)	CY	12.00	\$50.00	\$600.00	\$55.00	\$660.00	\$75.00	\$900.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	341.00	\$160.00	\$54,560.00	\$153.00	\$52,173.00	\$150.00	\$51,150.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	2.70	\$160.00	\$432.00	\$153.00	\$413.10	\$150.00	\$405.00
403.6	PAVEMENT JOINT ADHESIVE	LF	4,200.00	\$1.00	\$4,200.00	\$0.67	\$2,814.00	\$0.65	\$2,730.00
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	16.70	\$575.00	\$9,602.50	\$600.00	\$10,020.00	\$600.00	\$10,020.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	5.80	\$160.00	\$928.00	\$153.00	\$887.40	\$150.00	\$870.00
417	COLD PLANING BITUMINOUS SURFACES	SY	3,700.00	\$4.00	\$14,800.00	\$4.00	\$14,800.00	\$4.00	\$14,800.00
502	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$35,000.00	\$35,000.00	\$35,800.00	\$35,800.00	\$57,000.00	\$57,000.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	30.00	\$50.00	\$1,500.00	\$25.00	\$750.00	\$35.00	\$1,050.00
511.00	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	290.00	\$16.00	\$4,640.00	\$15.00	\$4,350.00	\$68.00	\$19,720.00
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	30.00	\$300.00	\$9,000.00	\$360.00	\$10,800.00	\$500.00	\$15,000.00
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	12.00	\$400.00	\$4,800.00	\$1,150.00	\$13,800.00	\$850.00	\$10,200.00
512.0201	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	45.00	\$500.00	\$22,500.00	\$600.00	\$27,000.00	\$750.00	\$33,750.00
520.01	CONCRETE CLASS AA	CY	4.00	\$1,200.00	\$4,800.00	\$900.00	\$3,600.00	\$1,500.00	\$6,000.00
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	35.00	\$1,000.00	\$35,000.00	\$1,780.00	\$62,300.00	\$1,300.00	\$45,500.00
534.3	WATER REPELLENT (SILANE/ SILOXANE)	GAL	28.00	\$100.00	\$2,800.00	\$69.00	\$1,932.00	\$75.00	\$2,100.00

Item No:	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	294.00	\$32.00	\$9,408.00	\$28.00	\$8,232.00	\$30.00	\$8,820.00
541.5	PVC WATERSTOPS, NH TYPE 5 (F)	LF	57.00	\$10.00	\$570.00	\$9.00	\$513.00	\$15.00	\$855.00
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	3,778.00	\$3.00	\$11,334.00	\$1.85	\$6,989.30	\$1.50	\$5,667.00
544.21	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS (F)	LB	193.00	\$5.00	\$965.00	\$9.00	\$1,737.00	\$6.00	\$1,158.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	52.00	\$150.00	\$7,800.00	\$140.00	\$7,280.00	\$150.00	\$7,800.00
561.1001	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	57.00	\$800.00	\$45,600.00	\$600.00	\$34,200.00	\$700.00	\$39,900.00
562.1	SILICONE JOINT SEALANT (F)	LF	134.00	\$10.00	\$1,340.00	\$6.00	\$804.00	\$25.00	\$3,350.00
563.72	BRIDGE RAIL F (2-BAR)	LF	2.00	\$1,200.00	\$2,400.00	\$250.00	\$500.00	\$500.00	\$1,000.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	350.00	\$25.00	\$8,750.00	\$34.00	\$11,900.00	\$60.00	\$21,000.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	2.00	\$4,000.00	\$8,000.00	\$3,000.00	\$6,000.00	\$3,500.00	\$7,000.00
609.5	RESET GRANITE CURB	LF	6.00	\$40.00	\$240.00	\$48.00	\$288.00	\$100.00	\$600.00
609.55	RESET GRANITE CURB (BRIDGE)	LF	8.00	\$80.00	\$640.00	\$35.00	\$280.00	\$100.00	\$800.00
616.161	TRAFFIC SIGNALS (TEMP.)	U	1.00	\$12,500.00	\$12,500.00	\$26,400.00	\$26,400.00	\$30,000.00	\$30,000.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	7,500.00	\$1.00	\$7,500.00	\$1.00	\$7,500.00	\$1.00	\$7,500.00
618.7	FLAGGERS	HR	1,000.00	\$28.00	\$28,000.00	\$33.00	\$33,000.00	\$25.00	\$25,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$36,500.00	\$36,500.00	\$16,000.00	\$16,000.00	\$20,000.00	\$20,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$4,000.00	\$8,000.00	\$4,200.00	\$8,400.00	\$2,000.00	\$4,000.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	100.00	\$2.00	\$200.00	\$3.00	\$300.00	\$5.00	\$500.00

Item No:	Description	Unit	Quantity	A		B		C	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
628.22	SAWED BITUMINOUS PAVEMENT (BRIDGE)	LF	52.00	\$2.00	\$104.00	\$15.00	\$780.00	\$5.00	\$260.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	4,500.00	\$0.40	\$1,800.00	\$0.36	\$1,620.00	\$0.40	\$1,800.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	80.00	\$4.25	\$340.00	\$4.00	\$320.00	\$40.00	\$3,200.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	2,000.00	\$1.00	\$2,000.00	\$0.75	\$1,500.00	\$0.75	\$1,500.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	25.00	\$5.00	\$125.00	\$7.00	\$175.00	\$25.00	\$625.00
647.1	HUMUS	CY	8.00	\$20.00	\$160.00	\$40.00	\$320.00	\$75.00	\$600.00
670.104	TEMPORARY PORTABLE LIGHTING	U	2.00	\$2,650.00	\$5,300.00	\$3,900.00	\$7,800.00	\$7,500.00	\$15,000.00
692	MOBILIZATION	U	1.00	\$60,000.00	\$60,000.00	\$36,000.00	\$36,000.00	\$54,274.00	\$54,274.00
698.13	FIELD OFFICE TYPE C	MON	8.00	\$750.00	\$6,000.00	\$1,600.00	\$12,800.00	\$1,000.00	\$8,000.00
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	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
					\$486,738.50	\$489,737.80		\$557,404.00	

Item No:	Description	Unit	Quantity	D		E		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
304.3	CRUSHED GRAVEL (F)	CY	12.00	\$120.00	\$1,440.00	\$41.00	\$492.00		
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	341.00	\$156.00	\$53,196.00	\$160.00	\$54,560.00		
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	2.70	\$156.00	\$421.20	\$160.00	\$432.00		
403.6	PAVEMENT JOINT ADHESIVE	LF	4,200.00	\$0.75	\$3,150.00	\$1.30	\$5,460.00		
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	16.70	\$604.00	\$10,086.80	\$620.00	\$10,354.00		
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	5.80	\$160.00	\$928.00	\$215.00	\$1,247.00		
417	COLD PLANING BITUMINOUS SURFACES	SY	3,700.00	\$4.00	\$14,800.00	\$4.50	\$16,650.00		
502	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$87,375.00	\$87,375.00	\$50,000.00	\$50,000.00		
504.1	COMMON BRIDGE EXCAVATION (F)	CY	30.00	\$21.00	\$630.00	\$82.00	\$2,460.00		
511.00	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	290.00	\$36.00	\$10,440.00	\$36.00	\$10,440.00		
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	30.00	\$300.00	\$9,000.00	\$460.00	\$13,800.00		
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	12.00	\$440.00	\$5,280.00	\$875.00	\$10,500.00		
512.0201	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	45.00	\$250.00	\$11,250.00	\$1,180.00	\$53,100.00		
520.01	CONCRETE CLASS AA	CY	4.00	\$650.00	\$2,600.00	\$1,500.00	\$6,000.00		
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	35.00	\$1,420.00	\$49,700.00	\$1,150.00	\$40,250.00		
534.3	WATER REPELLENT (SILANE/ SILOXANE)	GAL	28.00	\$75.00	\$2,100.00	\$77.00	\$2,156.00		

Item No:	Description	Unit	Quantity	D		E		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	294.00	\$29.00	\$8,526.00	\$48.00	\$14,112.00		
541.5	PVC WATERSTOPS, NH TYPE 5 (F)	LF	57.00	\$15.00	\$855.00	\$15.00	\$855.00		
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	3,778.00	\$2.50	\$9,445.00	\$4.00	\$15,112.00		
544.21	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS (F)	LB	193.00	\$8.00	\$1,544.00	\$6.00	\$1,158.00		
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	52.00	\$142.00	\$7,384.00	\$160.00	\$8,320.00		
561.1001	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	57.00	\$1,400.00	\$79,800.00	\$650.00	\$37,050.00		
562.1	SILICONE JOINT SEALANT (F)	LF	134.00	\$6.00	\$804.00	\$20.00	\$2,680.00		
563.72	BRIDGE RAIL F (2-BAR)	LF	2.00	\$1,440.00	\$2,880.00	\$540.00	\$1,080.00		
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	350.00	\$34.00	\$11,900.00	\$36.00	\$12,600.00		
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	2.00	\$3,130.00	\$6,260.00	\$3,900.00	\$7,800.00		
609.5	RESET GRANITE CURB	LF	6.00	\$38.00	\$228.00	\$82.00	\$492.00		
609.55	RESET GRANITE CURB (BRIDGE)	LF	8.00	\$48.00	\$384.00	\$108.00	\$864.00		
616.161	TRAFFIC SIGNALS (TEMP.)	U	1.00	\$26,250.00	\$26,250.00	\$30,000.00	\$30,000.00		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	7,500.00	\$1.00	\$7,500.00	\$1.00	\$7,500.00		
618.7	FLAGGERS	HR	1,000.00	\$25.00	\$25,000.00	\$32.00	\$32,000.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$20,000.00	\$20,000.00	\$50,000.00	\$50,000.00		
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$2,300.00	\$4,600.00	\$5,000.00	\$10,000.00		
628.2	SAWED BITUMINOUS PAVEMENT	LF	100.00	\$2.00	\$200.00	\$5.00	\$500.00		

Item No:	Description	Unit	Quantity	D		E		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
628.22	SAWED BITUMINOUS PAVEMENT (BRIDGE)	LF	52.00	\$4.00	\$208.00	\$5.00	\$260.00		
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	4,500.00	\$0.50	\$2,250.00	\$0.25	\$1,125.00		
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	80.00	\$4.00	\$320.00	\$8.00	\$640.00		
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	2,000.00	\$1.00	\$2,000.00	\$1.50	\$3,000.00		
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	25.00	\$35.00	\$875.00	\$10.00	\$250.00		
647.1	HUMUS	CY	8.00	\$55.00	\$440.00	\$50.00	\$400.00		
670.104	TEMPORARY PORTABLE LIGHTING	U	2.00	\$5,200.00	\$10,400.00	\$10,000.00	\$20,000.00		
692	MOBILIZATION	U	1.00	\$63,500.00	\$63,500.00	\$50,000.00	\$50,000.00		
698.13	FIELD OFFICE TYPE C	MON	8.00	\$2,540.00	\$20,320.00	\$1,250.00	\$10,000.00		
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00		
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	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		
					\$592,270.00		\$611,699.00		

A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
304.3	CRUSHED GRAVEL (F)	CY	12.00	\$50.00	\$600.00	\$65.00	\$780.00	(\$180.00)
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	341.00	\$160.00	\$54,560.00	\$220.00	\$75,020.00	(\$20,460.00)
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	2.70	\$160.00	\$432.00	\$400.00	\$1,080.00	(\$648.00)
403.6	PAVEMENT JOINT ADHESIVE	LF	4,200.00	\$1.00	\$4,200.00	\$1.10	\$4,620.00	(\$420.00)
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	16.70	\$575.00	\$9,602.50	\$220.00	\$3,674.00	\$5,928.50
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	5.80	\$160.00	\$928.00	\$400.00	\$2,320.00	(\$1,392.00)
417	COLD PLANING BITUMINOUS SURFACES	SY	3,700.00	\$4.00	\$14,800.00	\$5.00	\$18,500.00	(\$3,700.00)
502	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$35,000.00	\$35,000.00	\$35,000.00	\$35,000.00	\$0.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	30.00	\$50.00	\$1,500.00	\$50.00	\$1,500.00	\$0.00
511.00	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	290.00	\$16.00	\$4,640.00	\$20.00	\$5,800.00	(\$1,160.00)
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	30.00	\$300.00	\$9,000.00	\$325.00	\$9,750.00	(\$750.00)
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	12.00	\$400.00	\$4,800.00	\$500.00	\$6,000.00	(\$1,200.00)
512.0201	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	45.00	\$500.00	\$22,500.00	\$800.00	\$36,000.00	(\$13,500.00)
520.01	CONCRETE CLASS AA	CY	4.00	\$1,200.00	\$4,800.00	\$1,200.00	\$4,800.00	\$0.00
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	35.00	\$1,000.00	\$35,000.00	\$1,100.00	\$38,500.00	(\$3,500.00)
534.3	WATER REPELLENT (SILANE/ SILOXANE)	GAL	28.00	\$100.00	\$2,800.00	\$75.00	\$2,100.00	\$700.00

A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	294.00	\$32.00	\$9,408.00	\$35.00	\$10,290.00	(\$882.00)
541.5	PVC WATERSTOPS, NH TYPE 5 (F)	LF	57.00	\$10.00	\$570.00	\$10.00	\$570.00	\$0.00
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	3,778.00	\$3.00	\$11,334.00	\$2.75	\$10,389.50	\$944.50
544.21	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS (F)	LB	193.00	\$5.00	\$965.00	\$5.00	\$965.00	\$0.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	52.00	\$150.00	\$7,800.00	\$135.00	\$7,020.00	\$780.00
561.1001	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	57.00	\$800.00	\$45,600.00	\$700.00	\$39,900.00	\$5,700.00
562.1	SILICONE JOINT SEALANT (F)	LF	134.00	\$10.00	\$1,340.00	\$22.00	\$2,948.00	(\$1,608.00)
563.72	BRIDGE RAIL F (2-BAR)	LF	2.00	\$1,200.00	\$2,400.00	\$1,200.00	\$2,400.00	\$0.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	350.00	\$25.00	\$8,750.00	\$35.00	\$12,250.00	(\$3,500.00)
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	2.00	\$4,000.00	\$8,000.00	\$3,500.00	\$7,000.00	\$1,000.00
609.5	RESET GRANITE CURB	LF	6.00	\$40.00	\$240.00	\$35.00	\$210.00	\$30.00
609.55	RESET GRANITE CURB (BRIDGE)	LF	8.00	\$80.00	\$640.00	\$80.00	\$640.00	\$0.00
616.161	TRAFFIC SIGNALS (TEMP.)	U	1.00	\$12,500.00	\$12,500.00	\$35,000.00	\$35,000.00	(\$22,500.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	7,500.00	\$1.00	\$7,500.00	\$1.00	\$7,500.00	\$0.00
618.7	FLAGGERS	HR	1,000.00	\$28.00	\$28,000.00	\$21.00	\$21,000.00	\$7,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$36,500.00	\$36,500.00	\$9,500.00	\$9,500.00	\$27,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$4,000.00	\$8,000.00	\$2,500.00	\$5,000.00	\$3,000.00

A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
628.2	SAWED BITUMINOUS PAVEMENT	LF	100.00	\$2.00	\$200.00	\$2.50	\$250.00	(\$50.00)
628.22	SAWED BITUMINOUS PAVEMENT (BRIDGE)	LF	52.00	\$2.00	\$104.00	\$7.00	\$364.00	(\$260.00)
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	4,500.00	\$0.40	\$1,800.00	\$0.40	\$1,800.00	\$0.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	80.00	\$4.25	\$340.00	\$6.00	\$480.00	(\$140.00)
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	2,000.00	\$1.00	\$2,000.00	\$0.75	\$1,500.00	\$500.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	25.00	\$5.00	\$125.00	\$10.00	\$250.00	(\$125.00)
647.1	HUMUS	CY	8.00	\$20.00	\$160.00	\$30.00	\$240.00	(\$80.00)
670.104	TEMPORARY PORTABLE LIGHTING	U	2.00	\$2,650.00	\$5,300.00	\$3,500.00	\$7,000.00	(\$1,700.00)
692	MOBILIZATION	U	1.00	\$60,000.00	\$60,000.00	\$50,000.00	\$50,000.00	\$10,000.00
698.13	FIELD OFFICE TYPE C	MON	8.00	\$750.00	\$6,000.00	\$1,500.00	\$12,000.00	(\$6,000.00)
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$0.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	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
					\$486,738.50	\$507,910.50		(\$21,172.00)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
9/28/2015

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. 139 Loudon Road P.O. Box 511 Concord NH 03302-0511	CONTACT NAME: Peggy Johnson PHONE (A/C, No, Ext): (603) 224-2562 FAX (A/C, No): (603) 224-8012 E-MAIL ADDRESS: pjohnson@rowleyagency.com													
	<table border="1"> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A: Phoenix Ins Co</td> <td></td> </tr> <tr> <td>INSURER B: Travelers Prop Cas Co of Amer</td> <td></td> </tr> <tr> <td>INSURER C: Travelers Indemnity Co.</td> <td></td> </tr> <tr> <td>INSURER D: Travelers Casualty & Surety</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Phoenix Ins Co		INSURER B: Travelers Prop Cas Co of Amer		INSURER C: Travelers Indemnity Co.		INSURER D: Travelers Casualty & Surety		INSURER E:		INSURER F:
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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 INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <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"/> PROJECT <input type="checkbox"/> LOC			DTCO3B267606PHX15 Per Project Aggregate Applies Only if Required by Written Contract	3/1/2015	3/1/2016	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 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
C	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS			DT8105388B332IND15	3/1/2015	3/1/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Medical payments \$
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 \$ 10,000			DTS MCP3209R09ATIL15	3/1/2015	3/1/2016	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	3A States: NH, VT DTAUB6773P761ACR15	3/1/2015	3/1/2016	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER 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 (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 Lisbon #29774 - Bridge rehab on bridge that carries US 302/NH 10 over the NH Rail/Trail.

CERTIFICATE HOLDER State of NH DOT POB 483 Concord, NH 03302-0483	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 Peggy Johnson/PAJ <i>Peggy A Johnson</i>



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

9/28/2015

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	INSURER(S) AFFORDING COVERAGE	
INSURED State of NH DOT POB 483 Concord NH 03302-0483	INSURER A: Travelers Indemnity Co NAIC # 25658	
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

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INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVP	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 <input type="checkbox"/> Protective GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			DTPRS7E067936IND15	10/21/2015	10/21/2016	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COMP/OP AGG \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> 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	Y/N		N/A			<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER 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)
 Lisbon #29774 - Bridge rehab on bridge that carries US 302/NH 10 over the NH Rail/Trail. Contractor: R.M. Piper, Inc.

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