



*Victoria F. Sheehan*  
Commissioner

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



*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  
March 18, 2021

**REQUESTED ACTION**

1. Authorize the Department of Transportation to enter into a contract with R.M. Piper, Inc. of Plymouth, NH (Vendor 174180), on the basis of a low bid of \$739,421.00 for bridge preservation work for two (2) bridges located in the Towns of Bartlett and Jackson, from the date of Governor and Council approval through October 22, 2021, unless extended by the Department in accordance with the Standard Specifications. 100% Federal 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:

Funding is available as follows:	<u>FY 2021</u>	<u>FY 2022</u>
04-96-96-963515-3054 Consolidated Federal Aid		
400-500870 Highway Contract Payments	\$406,681.58	\$332,739.42

2. Further authorize that a contingency, in the amount of \$73,942.10, 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 2021</u>	<u>FY 2022</u>
04-96-96-963515-3054 Consolidated Federal Aid		
400-500870 Highway Contract Payments		\$73,942.10

**EXPLANATION**

This project is part of the State's Ten Year Transportation Improvement Plan, under the Bridge-T 1-2 Maintenance & Preservation Program. The project involves bridge preservation work on two bridges: Br. No. 153/108 in the Town of Bartlett, and Br. No. 092/130 in the Town of Jackson. The scope of work for the bridge preservation includes removal of the bridge deck pavement and barrier membrane; partial and full depth deck repairs; installation of zinc anodes; as well as necessary substructure repairs. At the Jackson bridge, stone facing will be pressure washed and repaired and repointed as needed. The Work shall be completed using one-lane of signal controlled alternating two-way traffic.

Bartlett Br. No. 153/108: The bridge is a 21' long Concrete Rigid Frame built in 1955 and widened to its current typical in 1996. The deck, superstructure, and substructure have ratings of 6, 6 and 7, respectively. Deck asphalt patched in 2009.

Jackson Br. No. 092/130: The bridge is a 56' long Concrete Rigid Frame built in 1933 and rebuilt in 1981. The deck, superstructure, and substructure have ratings of 5, 5 and 7, respectively. The bridge has not received a new membrane since it was reconstructed in 1981. Deck asphalt overlay in 2019; approach and roadway pavement overlay in 2020.

The proposed contingency amount is 10% of the contract amount. The work includes partial and full depth deck repairs. The extent of this work has been estimated, but the full extent of the work will not be fully known until the existing asphalt and membrane are removed from the bridge. These factors increase the risk of overruns.

Although the bid costs exceeded the Department's estimate by 21.08%, the low bid of 3 bids received is felt to be reasonable for the work involved. Three items of significance accounted for 100% of the overage (Portable Traffic Signals (2) & Mobilization). 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.

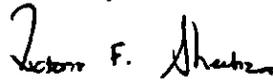
The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General, as to form and execution, and the Department has certified that the necessary funds are available and the bid reasonably conforms to the engineer's estimate in accordance with State procedure. 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: 80% Federal (Bridge-T 1-2 Maintenance & Preservation) with anticipated utilization of Turnpike Toll Credits for the State's 20% match, 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.

Your approval of this resolution is respectfully requested.

Sincerely,



Victoria F. Sheehan  
Commissioner

VFS/pcj

Department Estimate: \$610,664.50  
Contract Amount: \$739,421.00  
Over Estimate: \$128,756.50  
Attachments



# ABC Bid Data

BARTLETT-JACKSON  
41989  
X-A005(052)

PROJECT:	BARTLETT-JACKSON	Awarded To:	PIPER, R. M. INC.
STATE PROJECT NUMBER:	41989		141 SMITH BRIDGE RD
FED. PROJECT NUMBER:	X-A005(052)		PLYMOUTH, NH 03264
DATE BIDS OPEN:	February 18, 2021,	Amount:	\$739,421.00
SCOPE OF WORK:	Bridge Preservation efforts for NH16 over Ellis Rvr in Jackson & US302 over Stony Brk in Bartlett.	Certified by:	PETER.E.STAMNAS <small>Director of Project Development</small>
COMPLETION DATE:	October 22, 2021	Award Date:	
LOCATION:	Carroll		

## Summary of Bidders

Contractor	Bid Amount	Rank
PIPER, R. M. INC. 141 SMITH BRIDGE RD, PLYMOUTH NH 03264	\$739,421.00	A
SICARD INC, J P 234 GLOVER ROAD, BARTON VT 05822	\$1,025,684.50	B
COLD RIVER BRIDGES LLC .10 LANBRO LANE UNIT 2, WALPOLE NH 03608	\$1,252,892.00	C



# ABC Bid Data

BARTLETT-JACKSON

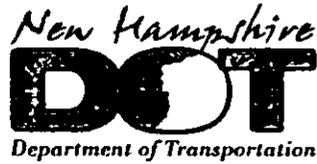
41989

X-A005(052)

Item No.	Description	Unit	Quantity	P&E		PPER, R. M. INC. 141 SMITH BRIDGE RD PLYMOUTH, NH 03264		SHCARD INC. J P 234 GLOVER ROAD BARTON, VT 05822	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

**Items**

201.881	INVASIVE SPECIES CONTROL TYPE I	SY	100.00	\$5.00	\$500.00	\$10.00	\$1,000.00	\$16.00	\$1,600.00
202.7	REMOVAL OF GUARDRAIL	LF	374.00	\$5.00	\$1,870.00	\$2.50	\$935.00	\$2.00	\$748.00
203.5561	EAGRT PLATFORM PREFERRED	U	4.00	\$1,400.00	\$5,600.00	\$1,450.00	\$5,800.00	\$1,590.00	\$6,360.00
403.11043	HBP-1/2" WEARING, MM	TON	115.30	\$200.00	\$23,060.00	\$220.00	\$25,366.00	\$345.00	\$39,778.50
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	.50	\$700.00	\$350.00	\$300.00	\$150.00	\$5,000.00	\$2,500.00
403.16	PAVEMENT JOINT ADHESIVE	LF	838.00	\$2.00	\$1,676.00	\$5.00	\$4,190.00	\$5.00	\$4,190.00
403.19	HBP-TEMPORARY	TON	9.70	\$250.00	\$2,425.00	\$500.00	\$4,850.00	\$300.00	\$2,910.00
403.21053	HBP-3/8", MACHINE METHOD (BRIDGE BASE)	TON	33.10	\$250.00	\$8,275.00	\$270.00	\$8,937.00	\$300.00	\$9,930.00
403.26	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	420.00	\$3.50	\$1,470.00	\$5.00	\$2,100.00	\$10.00	\$4,200.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	109.00	\$15.00	\$1,635.00	\$50.00	\$5,450.00	\$100.00	\$10,900.00
417.	GOLD PLANING BITUMINOUS SURFACES	SY	950.00	\$30.00	\$28,500.00	\$28.00	\$26,800.00	\$12.00	\$11,400.00
511.0001	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	83.00	\$25.00	\$2,075.00	\$30.00	\$2,490.00	\$100.00	\$8,300.00
511.0002	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	323.00	\$25.00	\$8,075.00	\$30.00	\$9,690.00	\$100.00	\$32,300.00
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	20.10	\$325.00	\$6,532.50	\$400.00	\$8,040.00	\$625.00	\$12,562.50
511.021	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS (OVERHEAD WORK)	SY	17.10	\$500.00	\$8,550.00	\$750.00	\$12,825.00	\$1,300.00	\$22,230.00
511.031	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS (SELF-SPANNING DECK)	SY	24.20	\$1,000.00	\$24,200.00	\$900.00	\$21,780.00	\$1,200.00	\$29,040.00
512.0201	PREPARATION FOR CONCRETE REPAIRS, CLASS #.	SY	.70	\$1,000.00	\$700.00	\$1,500.00	\$1,050.00	\$6,500.00	\$4,550.00
512.0202	PREPARATION FOR CONCRETE REPAIRS, CLASS #	SY	1.20	\$1,500.00	\$1,800.00	\$1,500.00	\$1,800.00	\$8,500.00	\$7,800.00
520.01	CONCRETE CLASS AA	CY	2.50	\$1,000.00	\$2,500.00	\$1,200.00	\$3,000.00	\$1,000.00	\$2,500.00
520.02012	CONCRETE CLASS AA, ABOVE FOOTINGS (ABUT/WALL/PIER REPAIR)	CY	.30	\$2,000.00	\$600.00	\$3,500.00	\$1,050.00	\$14,600.00	\$4,380.00
520.02013	CONCRETE CLASS AA, ABOVE FOOTINGS (FULL DECK REPAIR)	CY	9.60	\$2,000.00	\$19,200.00	\$1,200.00	\$11,520.00	\$1,400.00	\$13,440.00
521.22	FAST-SET CONCRETE PATCHING MORTAR (VERTICAL AND OVERHEAD)	CF	43.10	\$1,250.00	\$53,875.00	\$600.00	\$25,860.00	\$325.00	\$14,007.50
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	25.00	\$125.00	\$3,125.00	\$100.00	\$2,500.00	\$75.00	\$1,875.00



# ABC Bid Data

BARTLETT-JACKSON

41989

X-A005(052)

Item No.	Description	Unit	Quantity	P&E		PPER, R. H. INC. 141 SMITH BRIDGE RD PLYMOUTH, NH 03264		BICARD INC. J P 234 GLOVER ROAD BARTON, VT 05822	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	406.00	\$30.00	\$12,180.00	\$34.00	\$13,804.00	\$37.00	\$15,022.00
540.512	GALVANIC CORROSION PROTECTION SYSTEM (DISCRETE ANODES)	EA	277.00	\$25.00	\$6,925.00	\$40.00	\$11,080.00	\$26.00	\$7,202.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	178.00	\$125.00	\$22,250.00	\$120.00	\$21,360.00	\$125.00	\$22,250.00
565.81	REHABILITATION OF BRIDGE APPROACH RAIL	U	4.00	\$500.00	\$2,000.00	\$500.00	\$2,000.00	\$380.00	\$1,520.00
571.1	REPAIRING AND POINTING STONE MASONRY	SY	120.00	\$300.00	\$36,000.00	\$200.00	\$24,000.00	\$518.00	\$62,160.00
571.91	STONE MASONRY (HIGH PRESSURE WASH)	U	1.00	\$10,000.00	\$10,000.00	\$15,500.00	\$15,500.00	\$6,210.00	\$6,210.00
604.0007	POLYETHYLENE LINER	EA	2.00	\$250.00	\$500.00	\$250.00	\$500.00	\$250.00	\$500.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	2.00	\$700.00	\$1,400.00	\$500.00	\$1,000.00	\$1,888.00	\$3,376.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	4.00	\$3,300.00	\$13,200.00	\$3,500.00	\$14,000.00	\$3,824.00	\$14,496.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	160.00	\$25.00	\$3,750.00	\$28.50	\$3,975.00	\$28.00	\$4,200.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	560.00	\$40.00	\$22,400.00	\$25.00	\$14,000.00	\$44.00	\$24,640.00
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	410.00	\$75.00	\$30,750.00	\$75.00	\$30,750.00	\$44.00	\$18,040.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	4.00	\$4,500.00	\$18,000.00	\$4,000.00	\$16,000.00	\$2,000.00	\$8,000.00
618.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$17,200.00	\$17,200.00	\$56,000.00	\$56,000.00	\$68,000.00	\$68,000.00
618.172	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$17,155.00	\$17,155.00	\$60,000.00	\$60,000.00	\$68,000.00	\$68,000.00
618.81	UNIFORMED OFFICERS WITH VEHICLE	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00
618.7	FLAGGERS	HR	300.00	\$40.00	\$12,000.00	\$40.00	\$12,000.00	\$50.00	\$15,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$50,000.00	\$50,000.00	\$57,500.00	\$57,500.00	\$113,150.00	\$113,150.00
619.26	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$2,000.00	\$8,000.00	\$3,800.00	\$14,400.00	\$3,800.00	\$14,400.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	170.00	\$3.00	\$510.00	\$2.50	\$425.00	\$3.00	\$510.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	2,235.00	\$0.60	\$1,341.00	\$1.00	\$2,235.00	\$1.00	\$2,235.00
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	5,126.00	\$2.50	\$12,815.00	\$2.50	\$12,815.00	\$3.00	\$15,378.00
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	110.00	\$10.00	\$1,100.00	\$10.00	\$1,100.00	\$12.00	\$1,320.00
632.1304	BLACKOUT PAVEMENT MARKING TAPE, TYPE I (REMOVABLE), 4" LINE	LF	3,398.00	\$2.50	\$8,495.00	\$3.00	\$10,194.00	\$3.00	\$10,194.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	100.00	\$8.00	\$800.00	\$10.00	\$1,000.00	\$8.00	\$800.00



# ABC Bid Data

BARTLETT-JACKSON

41989

X-A005(052)

Item No.	Description	Unit	Quantity	PS&E		PIPER, R. M. INC. 141 SMITH BRIDGE RD PLYMOUTH, NH 03264		SICARD INC. J P 234 GLOVER ROAD BARTON, VT 05822	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
645.531	SILT FENCE	LF	400.00	\$6.00	\$2,400.00	\$3.00	\$1,200.00	\$2.00	\$800.00
670.104	TEMPORARY PORTABLE LIGHTING	U	4.00	\$2,500.00	\$10,000.00	\$4,000.00	\$16,000.00	\$5,250.00	\$21,000.00
692.	MOBILIZATION	U	1.00	\$45,300.00	\$45,300.00	\$105,000.00	\$105,000.00	\$226,780.00	\$226,780.00
698.13	FIELD OFFICE TYPE C	MON	8.00	\$1,600.00	\$12,800.00	\$1,200.00	\$9,600.00	\$1,000.00	\$8,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	8,000.00	\$1.00	\$8,000.00	\$1.00	\$8,000.00	\$1.00	\$8,000.00
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
<b>Totals:</b>				<b>\$610,664.50</b>	<b>\$739,421.00</b>	<b>\$739,421.00</b>	<b>\$1,025,684.50</b>	<b>\$1,025,684.50</b>	<b>\$1,025,684.50</b>
<b>Alt. Totals:</b>									
<b>Totals:</b>				<b>\$610,664.50</b>	<b>\$739,421.00</b>	<b>\$739,421.00</b>	<b>\$1,025,684.50</b>	<b>\$1,025,684.50</b>	<b>\$1,025,684.50</b>



# ABC Bid Data

BARTLETT-JACKSON

41989

X-A005(052)

Item No.	Description	Unit	Quantity	PS&E		COLD RIVER BRIDGES LLC 10 LANBRO LANE UNIT 2 WALPOLE, NH 03606		Unit Price	Total
				Unit Price	Total	Unit Price	Total		

Items

201.881	INVASIVE SPECIES CONTROL TYPE I	SY	100.00	\$5.00	\$500.00	\$10.00	\$1,000.00		
202.7	REMOVAL OF GUARDRAIL	LF	374.00	\$5.00	\$1,870.00	\$15.00	\$5,610.00		
203.5561	EAGRT PLATFORM PREFERRED	U	4.00	\$1,400.00	\$5,600.00	\$1,500.00	\$6,000.00		
403.11043	HBP-1/2" WEARING, MM	TON	115.30	\$200.00	\$23,060.00	\$300.00	\$34,590.00		
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	.50	\$700.00	\$350.00	\$500.00	\$250.00		
403.16	PAVEMENT JOINT ADHESIVE	LF	838.00	\$2.00	\$1,676.00	\$8.00	\$6,704.00		
403.19	HBP-TEMPORARY	TON	9.70	\$250.00	\$2,425.00	\$350.00	\$3,395.00		
403.21053	HBP-3/8", MACHINE METHOD (BRIDGE BASE)	TON	33.10	\$250.00	\$8,275.00	\$350.00	\$11,585.00		
403.26	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	420.00	\$3.50	\$1,470.00	\$8.00	\$3,360.00		
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	109.00	\$15.00	\$1,635.00	\$20.00	\$2,180.00		
417.	COLD PLANING BITUMINOUS SURFACES	SY	950.00	\$30.00	\$28,500.00	\$20.00	\$19,000.00		
511.0001	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	83.00	\$25.00	\$2,075.00	\$100.00	\$8,300.00		
511.0002	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	323.00	\$25.00	\$8,075.00	\$100.00	\$32,300.00		
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	20.10	\$325.00	\$6,532.50	\$1,500.00	\$30,150.00		
511.021	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS (OVERHEAD WORK)	SY	17.10	\$500.00	\$8,550.00	\$3,000.00	\$51,300.00		
511.031	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS (SELF-SPANNING DECK)	SY	24.20	\$1,000.00	\$24,200.00	\$3,000.00	\$72,600.00		
512.0201	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	.70	\$1,000.00	\$700.00	\$8,500.00	\$4,550.00		
512.0202	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	1.20	\$1,500.00	\$1,800.00	\$7,500.00	\$9,000.00		
520.01	CONCRETE CLASS AA	CY	2.50	\$1,000.00	\$2,500.00	\$5,000.00	\$12,500.00		
520.02012	CONCRETE CLASS AA, ABOVE FOOTINGS (ABUTWALL/PIER REPAIR)	CY	.30	\$2,000.00	\$600.00	\$10,000.00	\$3,000.00		
520.02013	CONCRETE CLASS AA, ABOVE FOOTINGS (FULL DECK REPAIR)	CY	9.60	\$2,000.00	\$19,200.00	\$3,000.00	\$28,800.00		
521.22	FAST-SET CONCRETE PATCHING MORTAR (VERTICAL AND OVERHEAD)	CF	43.10	\$1,250.00	\$53,875.00	\$500.00	\$21,550.00		
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	25.00	\$125.00	\$3,125.00	\$100.00	\$2,500.00		



# ABC Bid Data

BARTLETT-JACKSON

41989

X-A005(052)

Item No.	Description	Unit	Quantity	PS&E		COLD RIVER BRIDGES LLC 10 LANBRO LANE UNIT 2 WALPOLE, NH 03368		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	406.00	\$30.00	\$12,180.00	\$75.00	\$30,450.00		
540.512	GALVANIC CORROSION PROTECTION SYSTEM (DISCRETE ANODES)	EA	277.00	\$25.00	\$6,925.00	\$15.00	\$4,155.00		
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	178.00	\$125.00	\$22,250.00	\$200.00	\$35,600.00		
565.81	REHABILITATION OF BRIDGE APPROACH RAIL	U	4.00	\$500.00	\$2,000.00	\$1,000.00	\$4,000.00		
571.1	REPAIRING AND POINTING STONE MASONRY	SY	120.00	\$300.00	\$36,000.00	\$600.00	\$72,000.00		
571.91	STONE MASONRY (HIGH PRESSURE WASH)	U	1.00	\$10,000.00	\$10,000.00	\$25,000.00	\$25,000.00		
604.0007	POLYETHYLENE LINER	EA	2.00	\$250.00	\$500.00	\$500.00	\$1,000.00		
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	2.00	\$700.00	\$1,400.00	\$1,153.00	\$2,306.00		
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	4.00	\$3,300.00	\$13,200.00	\$4,000.00	\$16,000.00		
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	150.00	\$25.00	\$3,750.00	\$30.00	\$4,500.00		
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	560.00	\$40.00	\$22,400.00	\$75.00	\$42,000.00		
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	410.00	\$75.00	\$30,750.00	\$75.00	\$30,750.00		
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	4.00	\$4,500.00	\$18,000.00	\$7,500.00	\$30,000.00		
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$17,200.00	\$17,200.00	\$95,000.00	\$95,000.00		
616.172	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$17,155.00	\$17,155.00	\$95,000.00	\$95,000.00		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00		
618.7	FLAGGERS	HR	300.00	\$40.00	\$12,000.00	\$45.00	\$13,500.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$50,000.00	\$50,000.00	\$105,000.00	\$105,000.00		
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$2,000.00	\$8,000.00	\$10,000.00	\$40,000.00		
628.2	SAWED BITUMINOUS PAVEMENT	LF	170.00	\$3.00	\$510.00	\$10.00	\$1,700.00		
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	2,235.00	\$0.80	\$1,341.00	\$1.00	\$2,235.00		
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	5,126.00	\$2.50	\$12,815.00	\$3.00	\$15,378.00		
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	110.00	\$10.00	\$1,100.00	\$10.00	\$1,100.00		
632.1304	BLACKOUT PAVEMENT MARKING TAPE, TYPE I (REMOVABLE), 4" LINE	LF	3,398.00	\$2.50	\$8,495.00	\$3.00	\$10,194.00		
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	100.00	\$6.00	\$600.00	\$10.00	\$1,000.00		



# ABC Bid Data

BARTLETT-JACKSON

41989

X-A005(052)

Item No.	Description	Unit	Quantity	PS&E		COLD RIVER BRIDGES LLC 10 LAMBRO LANE UNIT 2 WALPOLE, NH 03606		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
645.531	SILT FENCE	LF	400.00	\$6.00	\$2,400.00	\$2.00	\$800.00		
670.104	TEMPORARY PORTABLE LIGHTING	U	4.00	\$2,500.00	\$10,000.00	\$7,500.00	\$30,000.00		
692.	MOBILIZATION	U	1.00	\$45,300.00	\$45,300.00	\$125,000.00	\$125,000.00		
698.13	FIELD OFFICE TYPE C	MON	8.00	\$1,600.00	\$12,800.00	\$3,000.00	\$24,000.00		
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00		
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	8,000.00	\$1.00	\$8,000.00	\$1.00	\$8,000.00		
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00		
<b>Totals:</b>				<b>\$610,664.50</b>	<b>\$1,252,892.00</b>				
<b>Alt. Totals:</b>									
<b>Totals:</b>				<b>\$610,664.50</b>	<b>\$1,252,892.00</b>				



# PS&E Comparison

BARTLETT-JACKSON

41989

X-A005(052)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
<b>Items</b>								
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	100.00	\$10.00	\$1,000.00	\$5.00	\$500.00	\$500.00
202.7	REMOVAL OF GUARDRAIL	LF	374.00	\$2.50	\$935.00	\$5.00	\$1,870.00	(\$935.00)
203.5561	EAGRT PLATFORM PREFERRED	U	4.00	\$1,450.00	\$5,800.00	\$1,400.00	\$5,600.00	\$200.00
403.11043	HBP-1/2" WEARING, MM	TON	115.30	\$220.00	\$25,366.00	\$200.00	\$23,060.00	\$2,306.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	.50	\$300.00	\$150.00	\$700.00	\$350.00	(\$200.00)
403.16	PAVEMENT JOINT ADHESIVE	LF	838.00	\$5.00	\$4,190.00	\$2.00	\$1,676.00	\$2,514.00
403.19	HBP-TEMPORARY	TON	9.70	\$500.00	\$4,850.00	\$250.00	\$2,425.00	\$2,425.00
403.21053	HBP-3/8", MACHINE METHOD (BRIDGE BASE)	TON	33.10	\$270.00	\$8,937.00	\$250.00	\$8,275.00	\$662.00
403.26	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	420.00	\$5.00	\$2,100.00	\$3.50	\$1,470.00	\$630.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	109.00	\$50.00	\$5,450.00	\$15.00	\$1,635.00	\$3,815.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	950.00	\$28.00	\$26,600.00	\$30.00	\$28,500.00	(\$1,900.00)
511.0001	CONCRETE BRIDGE DECK PAVEMENT. REMOVAL (F)	SY	83.00	\$30.00	\$2,490.00	\$25.00	\$2,075.00	\$415.00
511.0002	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	323.00	\$30.00	\$9,690.00	\$25.00	\$8,075.00	\$1,615.00
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	20.10	\$400.00	\$8,040.00	\$325.00	\$6,532.50	\$1,507.50



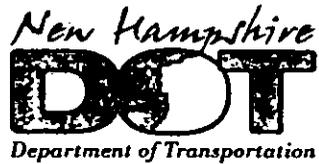
# PS&E Comparison

BARTLETT-JACKSON

41989

X-A005(052)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
511.021	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS (OVERHEAD WORK)	SY	17.10	\$750.00	\$12,825.00	\$500.00	\$8,550.00	\$4,275.00
511.031	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS (SELF-SPANNING DECK)	SY	24.20	\$900.00	\$21,780.00	\$1,000.00	\$24,200.00	(\$2,420.00)
512.0201	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	.70	\$1,500.00	\$1,050.00	\$1,000.00	\$700.00	\$350.00
512.0202	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	1.20	\$1,500.00	\$1,800.00	\$1,500.00	\$1,800.00	\$0.00
520.01	CONCRETE CLASS AA	CY	2.50	\$1,200.00	\$3,000.00	\$1,000.00	\$2,500.00	\$500.00
520.02012	CONCRETE CLASS AA, ABOVE FOOTINGS (ABUT/WALL/PIER REPAIR)	CY	.30	\$3,500.00	\$1,050.00	\$2,000.00	\$600.00	\$450.00
520.02013	CONCRETE CLASS AA, ABOVE FOOTINGS (FULL DECK REPAIR)	CY	9.60	\$1,200.00	\$11,520.00	\$2,000.00	\$19,200.00	(\$7,680.00)
521.22	FAST-SET CONCRETE PATCHING MORTAR (VERTICAL AND OVERHEAD)	CF	43.10	\$600.00	\$25,860.00	\$1,250.00	\$53,875.00	(\$28,015.00)
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	25.00	\$100.00	\$2,500.00	\$125.00	\$3,125.00	(\$625.00)
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	406.00	\$34.00	\$13,804.00	\$30.00	\$12,180.00	\$1,624.00
540.512	GALVANIC CORROSION PROTECTION SYSTEM (DISCRETE ANODES)	EA	277.00	\$40.00	\$11,080.00	\$25.00	\$6,925.00	\$4,155.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	178.00	\$120.00	\$21,360.00	\$125.00	\$22,250.00	(\$890.00)
565.81	REHABILITATION OF BRIDGE APPROACH RAIL	U	4.00	\$500.00	\$2,000.00	\$500.00	\$2,000.00	\$0.00
571.1	REPAIRING AND POINTING STONE MASONRY	SY	120.00	\$200.00	\$24,000.00	\$300.00	\$36,000.00	(\$12,000.00)
571.91	STONE MASONRY (HIGH PRESSURE WASH)	U	1.00	\$15,500.00	\$15,500.00	\$10,000.00	\$10,000.00	\$5,500.00
604.0007	POLYETHYLENE LINER	EA	2.00	\$250.00	\$500.00	\$250.00	\$500.00	\$0.00



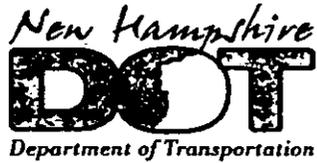
# PS&E Comparison

BARTLETT-JACKSON

41989

X-A005(052)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	2.00	\$500.00	\$1,000.00	\$700.00	\$1,400.00	(\$400.00)
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	4.00	\$3,500.00	\$14,000.00	\$3,300.00	\$13,200.00	\$800.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	150.00	\$26.50	\$3,975.00	\$25.00	\$3,750.00	\$225.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	560.00	\$25.00	\$14,000.00	\$40.00	\$22,400.00	(\$8,400.00)
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	410.00	\$75.00	\$30,750.00	\$75.00	\$30,750.00	\$0.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	4.00	\$4,000.00	\$16,000.00	\$4,500.00	\$18,000.00	(\$2,000.00)
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$56,000.00	\$56,000.00	\$17,200.00	\$17,200.00	\$38,800.00
616.172	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$60,000.00	\$60,000.00	\$17,155.00	\$17,155.00	\$42,845.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$0.00
618.7	FLAGGERS	HR	300.00	\$40.00	\$12,000.00	\$40.00	\$12,000.00	\$0.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$57,500.00	\$57,500.00	\$50,000.00	\$50,000.00	\$7,500.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$3,600.00	\$14,400.00	\$2,000.00	\$8,000.00	\$6,400.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	170.00	\$2.50	\$425.00	\$3.00	\$510.00	(\$85.00)
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	2,235.00	\$1.00	\$2,235.00	\$0.60	\$1,341.00	\$894.00
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE 1 (REMOVABLE) 4" LINE	LF	5,126.00	\$2.50	\$12,815.00	\$2.50	\$12,815.00	\$0.00



# PS&E Comparison

BARTLETT-JACKSON

41989

X-A005(052)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	110.00	\$10.00	\$1,100.00	\$10.00	\$1,100.00	\$0.00
632.1304	BLACKOUT PAVEMENT MARKING TAPE, TYPE I (REMOVABLE), 4" LINE	LF	3,398.00	\$3.00	\$10,194.00	\$2.50	\$8,495.00	\$1,699.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	100.00	\$10.00	\$1,000.00	\$6.00	\$600.00	\$400.00
645.531	SILT FENCE	LF	400.00	\$3.00	\$1,200.00	\$6.00	\$2,400.00	(\$1,200.00)
670.104	TEMPORARY PORTABLE LIGHTING	U	4.00	\$4,000.00	\$16,000.00	\$2,500.00	\$10,000.00	\$6,000.00
692.	MOBILIZATION	U	1.00	\$105,000.00	\$105,000.00	\$45,300.00	\$45,300.00	\$59,700.00
698.13	FIELD OFFICE TYPE C	MON	8.00	\$1,200.00	\$9,600.00	\$1,600.00	\$12,800.00	(\$3,200.00)
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$0.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	8,000.00	\$1.00	\$8,000.00	\$1.00	\$8,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
<b>Total:</b>					\$739,421.00		\$610,664.50	\$128,756.50

January 14, 2021

## SUPPLEMENTAL PROJECT INFORMATION SHEET

**DESCRIPTION:** This project involves bridge preservation work on two bridges: Br. No. 153/108 in the Town of Bartlett, and Br. No. 092/130 in the Town of Jackson. The scope of work for the bridge preservation includes removal of the bridge deck pavement and barrier membrane; partial and full depth deck repairs; installation of zinc anodes; as well as necessary substructure repairs. At the Jackson bridge, stone facing will be pressure washed and repaired and repointed as needed. The Work shall be completed using one-lane of signal controlled alternating two-way traffic.

**FEDERAL FUNDING:** 80% (Bridge-T 1-2 Maintenance & Preservation) with anticipated utilization of Turnpike Toll Credits for the State's 20% match

**CONTINGENCY:** The contingency amount is proposed to be 10%. The work includes partial and full depth deck repairs. The extent of this work has been estimated, but the full extent of the work will not be fully known until the existing asphalt and membrane are removed from the bridge. These factors increase the risk of overruns.

**PROJECT INITIATED:** Bridge-T 1-2 Maintenance & Preservation

### PROJECT EXPLANATION:

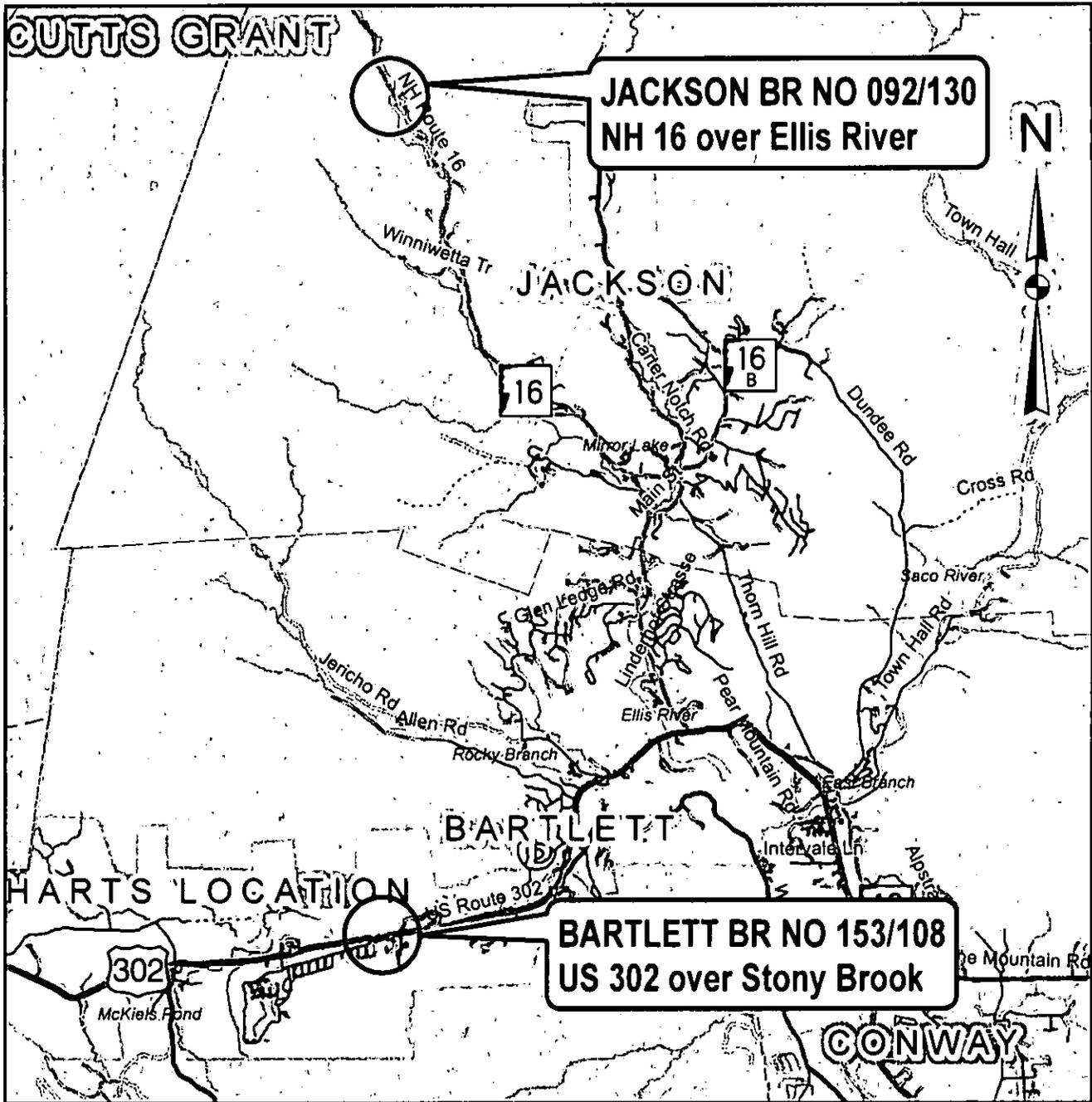
Bartlett Br. No. 153/108: The bridge is a 21' long Concrete Rigid Frame built in 1955 and widened to its current typical in 1996. The deck, superstructure, and substructure have ratings of 6, 6, and 7, respectively. Deck asphalt patched in 2009.

Jackson Br. No. 092/130: The bridge is a 56' long Concrete Rigid Frame built in 1933 and rebuilt in 1981. The deck, superstructure, and substructure have ratings of 5, 5, and 7, respectively. The bridge has not received a new membrane since it was reconstructed in 1981. Deck asphalt overlay in 2019; approach and roadway pavement overlay in 2020.

**TRAFFIC IMPLICATION:** The project anticipates traffic impacts on US Route 302/NH Route 16 over one construction season. Traffic will be maintained utilizing one-lane of alternating, two-way traffic with temporary signals. TCC Meeting occurred on 11-19-2020, Work Zone Significance: Non-Significant.

**FINAL COMPLETION DATE:** October 22, 2021.

**BARTLETT - JACKSON - US 302 & NH 16**



**LEGEND**

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

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

State #: 41989  
 Federal #: N/A  
**LOCATION MAP**





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 have ADDITIONAL INSURED provisions or 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 any rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> USI Insurance Solutions, LLC 711 E. Main Street Suite 201 Chicopee, MA 01020-3600	<b>CONTACT NAME:</b> PHONE (A/C, No, Ext): 855 874-0123      FAX (A/C, No): E-MAIL ADDRESS: futurecompcertrequest@usi.com	
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> R. M. Piper, Inc. P.O. Box 490 Plymouth, NH 03264-0490	INSURER A : ABC NH WORKERS COMP SIG, Inc <b>NAIC #</b> NONAIC	
	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

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 WYD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY						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    RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
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	ABC16000321	01/01/2021	01/01/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 RE: Bartlett-Jackson X-A005(052), 41989 Bridge Preservation Work.

<b>CERTIFICATE HOLDER</b> NH Department of Transportation Office of Federal Compliance 7 Hazen Drive P.O. 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. AUTHORIZED REPRESENTATIVE <i>Joseph C. Blanche</i>
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