FE821 '20 att11:04 DAS



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 State House Concord, New Hampshire 03301 Bureau of Construction January 7, 2020

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 \$1,729,083.50 for bridge preservation work on 3 bridges in Plymouth and Campton, New Hampshire, from the date of Governor and Council approval through October 16, 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:

FY 2020

FY 2021

04-96-96-963515-3054

Consolidated Federal Aid

400-500870 Highway Contract Payments

\$1,163,201.58

\$565,881.92

2. Further authorize that a contingency in the amount of \$172,908.35 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:

FY 2020

FY 2021

04-96-96-963515-3054 Consolidated Federal Aid

400-500870 Highway Contract Payments

\$172,908.35

EXPLANATION

This project is part of the State's Ten Year Transportation Improvement Plan, Bridge-T 1-2 Maintenance & Preservation Program. The project consists of bridge preservation work on three bridges in the Towns of Plymouth and Campton. The work limits for Plymouth Br. No. 142/145, US Route 3/NH Route 25 W over NH Route 3A (Exit 26) begin approximately 250 feet south of the bridge, continue approximately 650 feet north, and end approximately 250 feet north of the bridge. The work limits for Campton Br. No. 104/059, I-93 SB over Bog Brook, and Campton Br. No. 105/058, I-93 NB over Bog Brook begin approximately 600 feet prior to each bridge and continue approximately 850 feet and end approximately 100 feet past the bridge.

Br. No. 142/145 - US Route 3/NH Route 25 W over NH Route 3A - bridge preservation:

The existing bridge, built in 1965 and preserved in 1993, is a single span structure consisting of steel I-beam girders with a concrete deck and is approximately 122 feet long. The deck, superstructure, and substructure are rated 6, 7, and 6 respectively in the 2019 inspection. The 1993 preservation contract contained significant deck repairs and resulted in the deck being a bare deck. The bridge is #22 on the 2018 Preservation Priority List and is not-currently on the Red List, preservation activities will extend the useful life of the bridge.

Br. No. 104/059 – 1-93 SB over Bog Brook – bridge preservation:

The existing bridge, built in 1968 and preserved in 1992, is a three span structure consisting of steel I-beam girders with a concrete deck and is approximately 152 feet long. The deck, superstructure, and substructure are rated 6, 7, and 7 respectively in the 2019 inspection. The 1992 preservation contract contained significant deck repairs and included a 1.25" concrete deck overlay with pavement and membrane above. The bridge is #15 on the 2018 Preservation Priority List and is not currently on the Red List, preservation activities will extend the useful life of the bridge.

Br. No. 105/058 – I-93 NB over Bog Brook – bridge preservation:

The existing bridge, built in 1963 and preserved in 1992, is a three span structure consisting of steel I-beam girders with a concrete deck and is approximately 152 feet long. The deck, superstructure, and substructure are rated 7, 6, and 6 respectively in the 2019 inspection. The 1992 rehabilitation contract replaced the deck and expansion joints, and updated the bridge rail. The bridge is #219 on the 2018 Preservation Priority List and is not currently on the Red List, preservation activities will extend the useful life of the bridge.

The proposed contingency amount is 10% of the contract amount. This work preserves bridges built in the 1960s. The work includes partial and full depth deck repairs and expansion joint replacement. The extent of this work has been estimated, but the full extent of the work won't be fully known until the existing asphalt and membrane are removed from 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: 80% Federal Funds (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: \$ 1,844,705.00 Contract Amount: \$ 1,729,083.50 Under Estimate: \$ 115,621.50

Attachments



ABC Bid Data

PLYMOUTH-CAMPTON 42364 X-A004(824)

PROJECT:

PLYMOUTH-CAMPTON

STATE PROJECT NUMBER: 42364 FED. PROJECT NUMBER:

DATE BIDS OPEN:

X-A004(824) December 19, 2019,

SCOPE OF WORK:

Preservation work on Plymouth 142/145, & Campton 105/058 and 104/059.

COMPLETION DATE:

October 16, 2020

LOCATION:

Grafton

Awarded To: PIPER, R. M. INC.

Amount:

Award Date:

141 SMITH BRIDGE RD

PLYMOUTH, NH 03264-0490

\$1,729,083.50

Certified by: PETER.E.STAMNAS

Director of Project Development

Summary of Bidders

Contractor	Bid Amount	Rank
PIPER, R. M. INC:	\$1,729,083.50	A
141 SMITH BRIDGE RD, PO BOX 490, PLYMOUTH NH 03264-0490		
MILLER CONSTRUCTION, INC.	\$2,140,551.00	В

3103 US RT 5 SOUTH, PO BOX 86, WINDSOR VT 05089-0086

			,		SAE	141 SMIT	R. M. INC., 4 BRIDGE RD NH 03254-0490	3103 US	STRUCTION, INC. RT 5 SOUTH VT 05089-0096
Item No.	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

209,4	GRANULAR BACKFILL (GRAV)	CY	32.00	\$35,00	\$1,120.00	\$50,00	\$1,600.00	\$75,00	\$2,400.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	745.00	\$125.00	\$93,125.00	\$128.00	\$95,360.00	\$200.00	\$149,000.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	35.00	\$250,00	\$8,750,00	\$190,00	\$6,650,00	\$300.00	\$10,500.00
403,6	PAVEMENT JOINT ADHESIVE	LF	6,550.00	\$1,00	\$6,550.00	\$1,55	\$10,152.50	\$1,00	\$6,550,00
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF .	1,710.00	\$1.00	\$1,710.00	\$5.00	\$8,550.00	\$5.00	\$8,550.00
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	90.00	\$220.00	\$19,800.00	\$190.00	\$17,100.00	\$200.00	\$18,000.00
410,22	ASPHALT EMULSION FOR TACK COAT	GAL	600,00	\$3,80	\$2,280.00	\$10,00	\$6,000.00	\$13,00	\$7,800,00
417.	COLD PLANING BITUMINOUS SURFACES	SY	8,470.00	\$5,00	\$42,350.00	\$5,50	\$46,585.00	\$5,00	\$42,350,00
417.416	RUMBLE STRIPS, 16" WIDE	LF	4,900.00	\$10.00	\$49,000.00	\$3.05	\$14,945.00	\$ 3.25	\$15,925.00
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	ل	4,900.00	\$3.00	\$14,700,00	\$3.20	\$15,680,00	\$3.25	\$15,925.00
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	v	1.00	\$20,000.00	\$20,000,00	\$55,000.00	\$55,000,00	\$55,000.00	\$55,000.00
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$40,000.00	\$40,000.00	\$85,000.00	\$85,000.00	\$100,000.00	\$100,000.00
502.103	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1,00	\$40,000.00	\$40,000,00	\$85,000.00	\$85,000,00	\$100,000.00	\$100,000.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	95.00	\$50.00	\$4,750,00	\$50.00	\$4,750,00	\$50.00	\$4,750.00
511,0001	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	783.00	\$25.00	\$19,575.00	\$12.00	\$9,396.00	\$25.00	\$19,575.00
511.0002	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	682.00	\$25,00	\$17,050.00	\$12,00	\$8,184.00	\$25.00	\$17,050,00
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	231.00	\$325.00	\$75,075,00	\$275.00	\$63,525.00	\$500.00	\$115,500.00
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	124.00	\$550,00	\$68,200.00	\$450.00	\$55,800,00	\$1,000.00	\$124,000.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	20,00	\$825.00	\$16,500,00	\$600.00	\$12,000.00	\$1,000.00	\$20,000,00
520.01	CONCRETE CLASS AA	CY	30.00	\$1,500.00	\$45,000.00	\$800,00	\$24,000,00	\$1,000.00	\$30,000.00
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	97.00	\$2,000.00	\$194,000.00	\$1,200.00	\$116,400,00	\$2,000.00	\$194,000.00
526.3	HIGH MOLECULAR WEIGHT METHACRYLATE CRACK SEALER	GAL	2.00	\$600.00	\$1,200.00	\$550,00	\$1,100.00	\$500.00	\$1,000.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	119.00	\$110.00	\$13,090,00	\$100,00	\$11,900.00	\$80,00	\$9,520.00
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	20.00	\$55.00	\$1,100.00	\$50.00	\$1,000.00	\$50.00	\$1,000.00
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	2,060.00	\$50,00	\$103,000.00	\$18.25	\$37,595.00	\$19.50	\$40,170.00
540.511	GALVANIC CORROSION PROTECTION SYSTEM (DISTRIBUTED ANODES)	LF	156,00	\$42.00	\$6,552.00	\$50,00	\$7,800.00	\$45.00	\$7,020.00
540.512	GALVANIC CORROSION PROTECTION SYSTEM (DISCRETE ANODES)	EA	770.00	\$20.00	\$15,400,00	\$25.00	\$19,250.00	\$20.00	\$15,400.00
541.5	PVC WATERSTOPS, NH TYPE 5 (F)	LF .	248.00	\$10.00	\$2,480,00	\$10.00	\$2,480.00	\$10,00	\$2,480.00

,					PS&E		C.R. M. INC. TH BRIDGE RD I, NH 03254-0490	3103 US	STRUCTION, INC. RT 5 SOUTH VT 05089-0086
Item No.	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total
544,11	REINFORCING STEEL- MECHANICAL CONNECTORS (F)	LB	317.00	\$6.00	\$1,902.00	\$4,50	\$1,426.50	\$10.00	\$3,170.00
544,2	REINFORCING STEEL, EPOXY COATED (F)	LB	4,992.00	\$1,50	\$7,488.00	\$2.25	\$11,232.00	\$3,00	\$14,976.00
544.21	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS (F)	LB	259.00	\$6.00	\$1,554,00	\$4,50	\$1,165,50	\$10,00	\$2,590,00
560,1001	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT (F)	ĻF	50,00	\$700,00	\$35,000.00	\$750.00	\$37,500.00	\$600.00	\$30,000.00
560.1002	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT (F)	LF	60.00	\$700.00	\$35,000,00	\$750.00	\$37,500,00	\$600.00	\$30,000.00
560.1003	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT (F)	LF	44.00	\$700.00	\$30,800,00	\$750.00	\$33,000.00	\$600.00	\$26,400.00
560,1004	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT (F)	Ŀ	44.00	\$700.00	\$30,800.00	\$750,00	\$33,000.00	\$600.00	\$26,400.00
561.1001	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF.	60.00	\$900.00	\$54,000,00	\$700,00	\$42,000.00	\$700,00	\$42,000,00
562.1	SILICONE JOINT SEALANT (F)	LF	220.00	\$20.00	\$4,400.00	\$20.00	\$4,400.00	\$20,00	\$4,400,00
563.8	RESETTING BRIDGE RAIL .	LF	; 90.00	\$25.00	, \$2,250.00	\$100.00	\$9,000.00	\$100,00	\$9,000,00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	2,350.00	\$27.00	\$63,450,00	\$25.00	\$58,750.00	\$38,00	\$89,300,00
606,41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF .	540.00	\$100.00	\$54,000.00	\$75,00	\$40,500,00	\$70.00	\$37,800.00
606.9522	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 2	U	6.00	\$2,700.00	\$16,200,00	\$2,500.00	\$15,000.00	\$4,500,00	\$27,000,00
609.5	RESET GRANITE CURB	LF	80.00	\$22.00	\$1,760,00	\$10.00	\$800,00	\$50,00	\$4,000,00
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	v	5.00	\$16,000.00	\$80,000.00	\$7,500.00	\$37,500.00	\$18,000.00	\$90,000.00
618,61	UNIFORMED OFFICERS WITH VEHICLE	\$	91,140,00	\$1,00	\$91,140.00	\$1.00	\$91,140,00	\$1.00	\$91,140.00
618,7	FLAGGERS	HR	320,00	\$35,00	\$11,200.00	\$43,00	\$13,760,00	\$40.00	\$12,800,00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$10,000.00	\$10,000.00	\$75,000.00	\$75,000.00	\$60,000.00	\$60,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4,00	\$5,000,00	\$20,000,00	\$6,000.00	\$24,000.00	. \$4,800,00	\$19,200,00
619,27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$1,000,00	\$2,000,00	\$5,000.00	\$12,000,00	\$3,500,00	\$7,000.00
619,279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2,00	\$1,500.00	: \$3,000.00	\$7,000.00	\$14,000,00	\$4,500.00	\$9,000.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	290.00	\$2.00	\$580,00	\$2,00	\$580,00	\$4.00	\$1,160,00
632,0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	6,100.00	\$0.70	\$4,270.00	\$0.42	\$2,562,00	\$0.50	\$3,050,00
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	16,400.00	\$0.70	\$11,480.00	\$0.50	\$8,200.00	\$0.50	\$8,200.00
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	23,800.00	\$4.00	\$95,200.00	\$1.90	\$45,220.00	\$2.00	\$47,600,00
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	Ų.	130.00	\$4.00	\$520.00	\$5.00	\$650.00	\$8.00	\$1,040.00
632.1304	BLACKOUT PAVEMENT MARKING TAPE, TYPE I (REMOVABLE), 4" LINE	LF.	5,700.00	\$2.10	\$11,970,00	\$1.90	\$10,830,00	\$3,00	\$17,100,00
632,32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	120,00	\$8,00	\$960.00	\$10.50	\$1,260,00	\$15,00	\$1,800,00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF.	8,400,00	\$1.00	\$8,400.00	\$1.05	\$8,820.00	\$1.25	\$10,500.00
632.92	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD	SF	120.00	\$4,00	\$480.00	\$5,00	\$600,00	\$5.00	\$600,00
670,104	TEMPORARY PORTABLE LIGHTING	U	4,00	\$6,000,00	\$24,000.00	\$5,250,00	\$21,000,00	\$4,500.00	\$18,000.00

			,		PIAE	141 SMIT	, R. M. INC. H BRIDGE RD I, NH 032 54-0490	MILLER CONSTRUCTION, INC. 3103 US RT 5 SOUTH WINDSOR, VT 05095-0096		
Item No.	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	
692,	MOBILIZATION	U	1.00	\$155,000.00	\$155,000,00	\$165,000.00	\$165,000.00	\$200,000.00	\$200,000,00	
698,13	FIELD OFFICE TYPE C	MON	9,00	\$2,000.00	\$18,000,00	\$1,200,00	\$10,800.00	\$2,000.00	\$18,000,00	
1002,1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	10,000.00	\$1.00	\$10,000,00	\$1,00	\$10,000,00	\$1.00	\$10,000.00	
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	
	, -		Totals:		\$1,844,705.00		\$1,729,083.50		\$2,140,551.00	
			Alt, Tot als ;							
			Totals:		\$1,844,705.00		\$1,729,083.50	\$2,140,551.00		



PS&E Comparison

PLYMOUTH-CAMPTON 42364 X-A004(824)

				A-Bido	ler	P\$8	E	
Item No.	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	A-PS&E Difference
Items								
209.4	GRANULAR BACKFILL (GRAV)	CY	32.00	\$50.00	\$1,600.00	\$35.00	\$1,120.00	\$48 0.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	745.00	\$128.00	\$95,360.00	\$125.00	\$93,125.00	\$2,235.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	35.00	\$190.00	\$6,650.00	\$250.00	\$8,750.00	(\$2,100.00)
403.6	PAVEMENT JOINT ADHESIVE	LF	6,550.00	\$1.55	\$10,152.50	\$1.00	\$6,550.00	\$3,602.50
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	1,710.00	\$5.00	\$8,550.00	\$1.00	\$1,710.00	\$6,840.00
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	90.00	\$190.00	\$ 17,100.00	\$220.00	\$19,800.00	(\$2,700.00)
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	600.00	\$10.00	\$6,000.00	\$3.80	\$2,280.00	\$3,720.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	8,470.00	\$5.50	\$46,585.00	\$5.00	\$42,350.00	\$4,235.00
417.416	RUMBLE STRIPS, 16" WIDE	LF	4,900.00	\$3.05	\$14,945.00	\$10.00	\$49,000.00	(\$34,055.00)
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	4,900.00	\$3.20	\$15,680.00	\$3.00	\$14,700.00	\$980.00
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$55,000.00	\$55,000.00	\$20,000.00	\$20,000.00	\$35,000.00
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$85,000.00	\$85,000.00	\$40,000.00	\$40,000.00	\$45,000.00
502.103	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$85,000.00	\$85,000.00	\$40,000.00	\$40,000.00	\$45,000.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	95.00	\$50.00	\$4,750.00	\$50.00	\$4,750.00	\$0.00

511.0001	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	783.00	\$12.00	\$9,396.00	\$25.00	\$ 19,575.00	(\$10,179.00)
511.0002	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	682.00	\$12.00	\$8,184.00	\$25.00	\$17,050.00	(\$8,866.00)
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	231.00	\$275.00	\$63,525.00	\$325.00	\$75,075.00	(\$11,550.00)
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	124.00	\$450.00	\$55,800.00	\$550.00	\$68,200.00	(\$12,400.00)
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	20.00	\$600.00	\$12,000.00	\$825.00	\$16,500.00	(\$4,500.00)
520.01	CONCRETE CLASS AA	CY	30.00	\$800.00	\$24,000.00	\$1,500.00	\$45,000.00	(\$21,000.00)
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	97.00	\$1,200.00	\$116,400.00	\$2,000.00	\$194,000.00	(\$77,600.00)
526.3	HIGH MOLECULAR WEIGHT METHACRYLATE CRACK SEALER	GAL	2.00	\$550.00	\$1,100.00	\$600.00	\$1,200.00	(\$100.00)
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	119.00	\$100.00	\$11,900.00	\$110.00	\$13,090.00	(\$1,190.00)
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	20.00	\$50.00	\$1,000.00	\$55.00	\$1,100.00	(\$100.00)
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	2,060.00	\$18.25	\$37,595.00	\$50.00	\$103,000.00	(\$65,405.00)
540.511	GALVANIC CORROSION PROTECTION SYSTEM (DISTRIBUTED ANODES)	LF	156.00	\$50.00	\$7,800.00	\$42.00	\$6,552.00	\$1,248.00
540.512	GALVANIC CORROSION PROTECTION SYSTEM (DISCRETE ANODES)	EA	770.00	\$25.00	\$19,250.00	\$20.00	\$15,400.00	\$3,850.00
541.5	PVC WATERSTOPS, NH TYPE 5 (F)	LF	248.00	\$10.00	\$2,480.00	\$10.00	\$2,480.00	\$0.00
544.	REINFORCING STEEL (F)	LB	4,620.00	\$1.75	\$8,085.00	\$1.20	\$5,544.00	\$2,541.00
544 .11	REINFORCING STEEL- MECHANICAL CONNECTORS (F)	LB	317.00	\$4.50	\$1,426.50	\$6.00	\$1,902.00	(\$475.50)
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	4,992.00	\$2.25	\$11,232.00	\$1.50	\$7,488.00	\$3,744.00
544.21	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS (F)	LB	259.00	\$4.50	\$1,165.50	\$6.00	\$1,554.00	(\$388.50)
560.1001	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT (F)	LF	50.00	\$750.00	\$37,500.00	\$700.00	\$35,000.00	\$2,500.00
560.1002	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT (F)	LF	50.00	\$750.00	\$37,500.00	\$700.00	\$35,000.00	\$2,500.00

560.1003	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT (F)	LF	44.00	\$750.00	\$33,000.00	\$700.00	\$30,800.00	\$2,200.00
560.1004	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT (F)	LF	44.00	\$750.00	\$33,000.00	\$700.00	\$30,800.00	\$2,200.00
561.1001	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	60.00	\$700.00	\$42,000.00	\$900.00	\$54,000.00	(\$12,000.00)
562.1	SILICONE JOINT SEALANT (F)	LF	220.00	\$20.00	\$4,400.00	\$20.00	\$4,400.00	\$0.00
563.8	RESETTING BRIDGE RAIL	LF	90.00	\$100.00	\$9,000.00	\$25.00	\$2,250.00	\$6,750.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	2,350.00	\$25.00	\$58,750.00	\$27.00	\$63,450.00	(\$4,700.00)
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	540.00	\$75.00	\$40,500.00	\$100.00	\$54,000.00	(\$13,500.00)
606.9522	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 2	U	6.00	\$2,500.00	\$15,000.00	\$2,700.00	\$16,200.00	(\$1,200.00)
609.5	RESET GRANITE CURB	LF	80.00	\$10.00	\$800.00	\$22.00	\$1,760.00	(\$960.00)
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	5.00	\$7,500.00	\$37,500.00	\$16,000.00	\$80,000.00	(\$42,500.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	91,140.00	\$1.00	\$91,140.00	\$1.00	\$91,140.00	\$0.00
618.7	FLAGGERS	HR	320.00	\$43.00	\$13,760.00	\$35.00	\$11,200.00	\$2,560.00
619.1	MAINTENANCE OF TRAFFIC	υ	1.00	\$75,000.00	\$75,000.00	\$10,000.00	\$10,000.00	\$65,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$6,000.00	\$24,000.00	\$5,000.00	\$20,000.00	\$4,000.00
619.27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$6,000.00	\$12,000.00	\$1,000.00	\$2,000.00	\$10,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$7,000.00	\$14,000.00	\$1,500.00	\$3,000.00	\$11,000.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	290.00	\$2.00	\$580.00	\$2.00	\$580.00	\$0.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	6,100.00	\$0.42	\$2,562.00	\$0.70	\$4,270.00	(\$1,708.00)
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6"	LF	16,400.00	\$0.50	\$8,200.00	\$0.70	\$11,480.00	(\$3,280.00)
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE (REMOVABLE) 4" LINE	LF	23,800.00	\$1.90	\$45,220.00	\$4.00	\$95,200.00	(\$49,980.00)
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE	LF	130.00	\$5.00	\$650.00	\$4.00	\$520.00	\$130.00
632.1304	(REMOVABLE) 18" LINE BLACKOUT PAVEMENT MARKING TAPE, TYPE I (REMOVABLE), 4" LINE	LF	5,700.00	\$1.90	\$10,830.00	\$2.10	\$11,970.00	(\$1,140.00)

632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	120.00	\$10.50	\$1,260.00	\$8.00	\$960.00	\$300.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	8,400.00	\$1.05	\$8,820.00	\$1.00	\$8,400.00	\$420.00
632.92	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD	SF	120.00	\$5.00	\$600.00	\$4.00	\$480.00	\$120,00
670.104	TEMPORARY PORTABLE LIGHTING	U	4.00	\$5,250.00	\$21,000.00	\$6,000.00	\$24,000.00	(\$3,000.00)
692.	MOBILIZATION	U	1.00	\$165,000.00	\$165,000.00	\$155,000.00	\$155,000.00	\$10,000.00
698.13	FIELD OFFICE TYPE C	MON	9.00	\$1,200.00	\$10,800.00	\$2,000.00	\$18,000.00	(\$7,200.00)
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$0.00

\$1,729,083.50

\$1,844,705.00

Total:

Friday, December 20, 2019

(\$115,621.50)

November 19, 2019

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project consists of bridge preservation work on three bridges in the Towns of Plymouth and Campton. The work limits for Plymouth Br. No. 142/145, US Route 3/NH Route 25 W over NH Route 3A (Exit 26) begin approximately 250 feet south of the bridge, continue approximately 650 feet north, and end approximately 250 feet north of the bridge. The work limits for Campton Br. No. 104/059, I-93 SB over Bog Brook, and Campton Br. No. 105/058, I-93 NB over Bog Brook begin approximately 600 feet prior to each bridge and continue approximately 850 feet and end approximately 100 feet past the bridge.

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%. This work preserves bridges built in the 1960s. The work includes partial and full depth deck repairs and expansion joint replacement. The extent of this work has been estimated, but the full extent of the work won't be fully known until the existing asphalt and membrane are removed from the bridge. These factors increase the risk of overruns.

PROJECT INITIATED: 2018 M&P Priority List – BRDG-T1/2-M&P

PROJECT EXPLANATION:

Br. No. 142/145 – US Route 3/NH Route 25 W over NH Route 3A – bridge preservation:

The existing bridge, built in 1965 and preserved in 1993, is a single span structure consisting of steel I-beam girders with a concrete deck and is approximately 122 feet long. The deck, superstructure, and substructure are rated 6, 7, and 6 respectively in the 2019 inspection. The 1993 preservation contract contained significant deck repairs and resulted in the deck being a bare deck. The bridge is #22 on the 2018 Preservation Priority List and is not currently on the Red List, preservation activities will extend the useful life of the bridge.

Br. No. 104/059 – I-93 SB over Bog Brook – bridge preservation:

The existing bridge, built in 1968 and preserved in 1992, is a three span structure consisting of steel I-beam girders with a concrete deck and is approximately 152 feet long. The deck, superstructure, and substructure are rated 6, 7, and 7 respectively in the 2019 inspection. The 1992 preservation contract contained significant deck repairs and included a 1.25" concrete deck overlay with pavement and membrane above. The bridge is #15 on the 2018 Preservation Priority List and is not currently on the Red List, preservation activities will extend the useful life of the bridge.

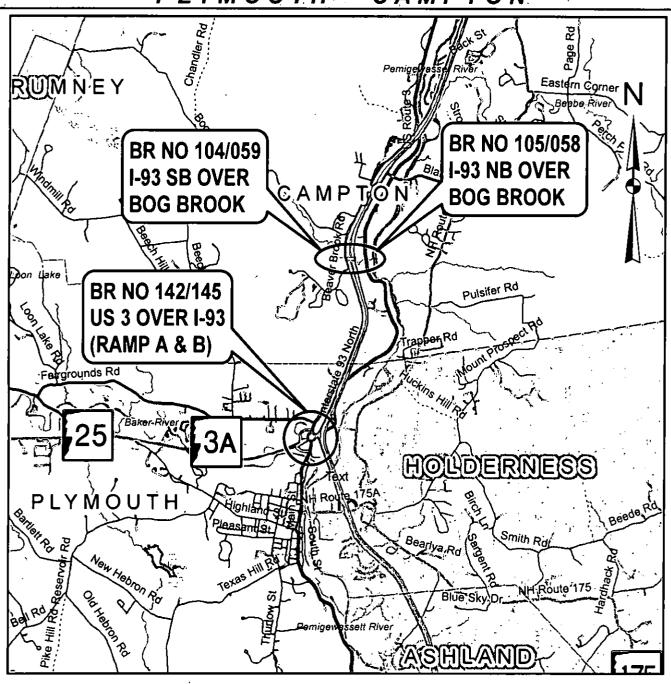
Br. No. 105/058 – I-93 NB over Bog Brook – bridge preservation:

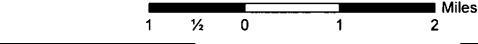
The existing bridge, built in 1963 and preserved in 1992, is a three span structure consisting of steel I-beam girders with a concrete deck and is approximately 152 feet long. The deck, superstructure, and substructure are rated 7, 6, and 6 respectively in the 2019 inspection. The 1992 rehabilitation contract replaced the deck and expansion joints, and updated the bridge rail. The bridge is #219 on the 2018 Preservation Priority List and is not currently on the Red List, preservation activities will extend the useful life of the bridge.

TRAFFIC IMPLICATION: The project will be completed in one construction season utilizing phased construction for all three bridges. Plymouth Br. No. 142/145 will use one lane of alternating two-way traffic with temporary signals. Campton Br. No. 104/059 and 105/058 will utilize phased construction and lane shifts to reduce I-93 NB and SB to one lane during construction. There are no sidewalks on the project, therefore, no pedestrian access will be maintained on the Plymouth 142/045 Bridge.

FINAL COMPLETION DATE: October 16, 2020

PLYMOUTH - CAMPTON





<u>LEGEND</u>

- Streams

Water Bodies

US Routes

State Routes

Interstates

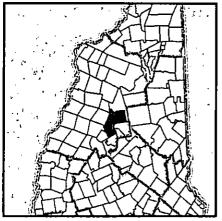
Local Roads

- - Town Boundary



Department of Transportation

State #: 42364 Federal #: X-A004(824) LOCATION MAP





CERTIFICATE OF LIABILITY INSURANCE

DATE (MIMODAYYY): 2/21/2020

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(les) 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 endorsements.

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	Constitution Avenue				ADORE	pjohnso					1
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i	M. Piper, Inc.			·	NSURE	RC: Hanover	Insuranc	e Co.			22292
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14	1 Smith Bridge Road			ı	MBURE	RE:					j,
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•	(Mandatory In NN) If yes, describe under DESCRIPTION OF OPERATIONS below					ļ		E.L. DISEASE - EA E		<u>\$</u>	
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Dayy a Johnson

POB 483

Concord, NH 03302-0483

AUTHORIZED REPRESENTATIVE

Peggy Johnson/PAJ

Client#: 1335482 RMPIPER

ACORD.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 12/27/2019

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(les) 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).

this certificate does not confer any rights to the	e certificate holder in lieu o								
PRODUCER		CONTACT Kelly GI	rahn						
USI Insurance Solutions, LLC		PHONE (A/C, No, Ext): 855 87	74-0123	FAX (A/C, No):					
711 E. Main Street		E-MAIL ADDRESS: Futurec	ompcertrec	uest@usi.com					
Suite 201	ĺ			FORDING COVERAGE		NAIC #			
Chicopee, MA 01020-3600		INSURER A : ABC NH WO	RKERS COMP 810, I	inc ,	1	NONAIC			
INSURED		INSURER B:							
R. M. Piper, Inc.		INSURER C:							
P.O. Box 490		INSURER D :							
Plymouth, NH 03264-0490		INSURER E :							
		INSURER F:							
COVERAGES CERTIFICAT				REVISION NUMBER:					
THIS IS TO CERTIFY THAT THE POLICIES OF INS INDICATED. NOTWITHSTANDING ANY REQUIREME CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, EXCLUSIONS AND CONDITIONS OF SUCH POLICIE	INT, TERM OR CONDITION OF THE INSURANCE AFFORDED S. LIMITS SHOWN MAY HAV	F ANY CONTRACT OF D BY THE POLICIES I'E BEEN REDUCED I	R OTHER DO: DESCRIBED I BY PAID CLAI	CUMENT WITH RESPECT I HEREIN IS SUBJECT TO A	TO WHICE	CH THIS			
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OFFICER/MEMBER EXCLUDED? N A A (Mandatory In NH)				E.L. DISEASE - EA EMPLOYEE					
If yes, describe under DESCRIPTION OF OPERATIONS below				E.L. DISEASE - POLICY LIMIT					
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DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACO) RE: Plymouth-Campton # X-A004(824), 423(RD 101, Additional Remarks Schedul 64 Bridge Preservation 1	le, may be attached if mo Work	re space is requi	red)					
CERTIFICATE HOLDER	,	CANCELLATION							
NH Department of Transportatio Office of Federal Compliance 7 Hazen Drive P.O. Box 483		SHOULD ANY OF T	DATE THE	SCRIBED POLICIES BE CAN REOF, NOTICE WILL BE LICY PROVISIONS.					
Concord, NH 03302		AUTHORIZED REPRESE							
1		Joseph C. Bl	and.						



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DO/YYYY) 12/23/2019

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.

REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER. IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(les) 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 CONTACT Peggy Johnson THE ROWLEY AGENCY INC. PHONE (603) 224-2562 FAX (A/C, No): {603}224-8012 45 Constitution Avenue ADDRESS: pjohnson@rowleyagency.com P.O. Box 511 INSURER(S) AFFORDING COVERAGE Concord 03302-0511 INSURERA: Hanover Insurance Co. INSURED 22292 INSURER B : State of NE DOT INSURER C POB 483 INSURER D INSURER E : Concord 03302-0483 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. ADDL SUBR POLICY EFF POLICY EXP TYPE OF INSURANCE POLICY NUMBER LIMITS COMMERCIAL GENERAL LIABILITY EACH OCCURRENCE DAMAGE TO RENTED 2,000,000 \$ CLAIMS-MADE X OCCUR PREMISES (Ea occurrence) X Owners & Contractors LHVD8516423 12/23/2019 12/23/2020 MED EXP (Any one person) Protective PERSONAL & ADV INJURY \$ GENLAGGREGATE LIMIT APPLIES PER: GENERAL AGGREGATE 3,000,000 POLICY PRODUCTS - COMP/OP AGG OTHER: AUTOMOBILE LIABILITY COMBINED SINGLE LIMIT ANY AUTO BODILY INJURY (Per person) 1 ALL OWNED AUTOS SCHEDULED AUTOS NON-OWNED AUTOS BODILY INJURY (Per accident) HIRED AUTOS PROPERTY DAMAGE (Per accident) \$ UMBRELLA LIAB OCCUR EACH OCCURRENCE \$ EXCESSION CLAIMS-MADE AGGREGATE DED RETENTION & WORKERS COMPENSATION AND EMPLOYERS' LIABILITY PER STATUTE ANY PROPRIETOR PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N/A E.L. EACH ACCIDENT (Mandatory in NH)

If yes, describe under

DESCRIPTION OF OPERATIONS below 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) Plymouth-Campton X-A004(824), 42364 Contractor: R.M. Piper Inc CERTIFICATE HOLDER CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE State of NH DOT THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. POB 483 Concord, NH 03302-0483 AUTHORIZED REPRESENTATIVE Peggy Johnson/PAJ Happy a Johnson