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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
February, 14, 2019

REQUESTED ACTION

1. Authorize the Department of Transportation to enter into a contract with Miller Construction, Inc. (Vendor 160360) of Windsor, VT on the basis of a low bid of \$1,330,066.00 for bridge preservation work carrying US 302, NH 18 and NH 116 over I-93, from the date of Governor and Council approval through October 18, 2019 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available in State Fiscal Year 2019 and is contingent upon the availability and continued appropriation of funds in Fiscal Year 2020 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 2019</u>	<u>FY 2020</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments	\$400,000.00	\$930,066.00

2. Further authorize that a contingency in the amount of \$133,006.60 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 2019</u>	<u>FY 2020</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments		\$133,006.60

EXPLANATION

This project is part of the State's Ten Year Transportation Improvement Plan under the Bridge T1/T2 Maintenance and Preservation Program. This project consists of bridge preservation work on Br. No. 111/064 in the Town of Bethlehem. The bridge carries US 302, NH 18, and NH 116 over I-93. The work begins approximately 425 feet east of the bridge and continues 920 feet across the bridge to approximately 250 feet west of the bridge. The scope of work for the bridge preservation includes removing the entire raised concrete median island on the bridge as well as sections of the raised grass median island on the approaches, replacement of the bridge deck pavement and membrane, partial and full depth deck repair, concrete pier repair, replacement of expansion joints at the east and west abutments, and final striping (to include a painted median island). The Contractor shall implement a detour to direct I-93 SB traffic towards US 302 around the closure of the Exit 40 SB off-ramp.

The existing bridge was built in 1959. The bridge deck was replaced in 1988. The current condition rating of Br. No. 111/064 is 6 (Deck, satisfactory), 7 (Superstructure, good), and 5 (Substructure, fair). The concrete decks are showing signs of deterioration and the expansion joints are leaking. This preservation project will address and fix these issues to extend the life of these structures and keep them off the State's Red List.

The contingency amount is proposed to be 10%. This work preserves a bridge with a deck built in 1988, which has not received preservation. The work includes partial and full depth deck repairs as well as pier repairs. 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.

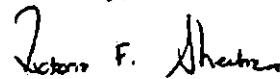
Although the bid costs exceeded the Department's estimate by 10.60%, the low bid of 2 bids received is felt to be reasonable for the work involved. Three items contributed to 100% of the overage; bridge barrier for traffic control, maintenance of traffic and mobilization. The B Bidder was approximately \$60,000.00 higher than the low bid submitted. Readvertising 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 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: \$1,202,560.00

Contract Amount: \$1,330,066.00

Over Estimate: \$ 127,506.00

Attachments

January 14, 2019

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project consists of bridge preservation work on Br. No. 111/064 in the Town of Bethlehem. The bridge carries US 302, NH 18, and NH 116 over I-93. The work begins approximately 425 feet east of the bridge and continues 920 feet across the bridge to approximately 250 feet west of the bridge. The scope of work for the bridge preservation includes removing the entire raised concrete median island on the bridge as well as sections of the raised grass median island on the approaches, replacement of the bridge deck pavement and membrane, partial and full depth deck repair, concrete pier repair, replacement of expansion joints at the east and west abutments, and final striping (to include a painted median island). The Contractor shall implement a detour to direct I-93 SB traffic towards US 302 around the closure of the Exit 40 SB off-ramp.

FEDERAL FUNDING: 80% 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 a bridge with a deck built in 1988, which has not received preservation. The work includes partial and full depth deck repairs as well as pier repairs. 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.

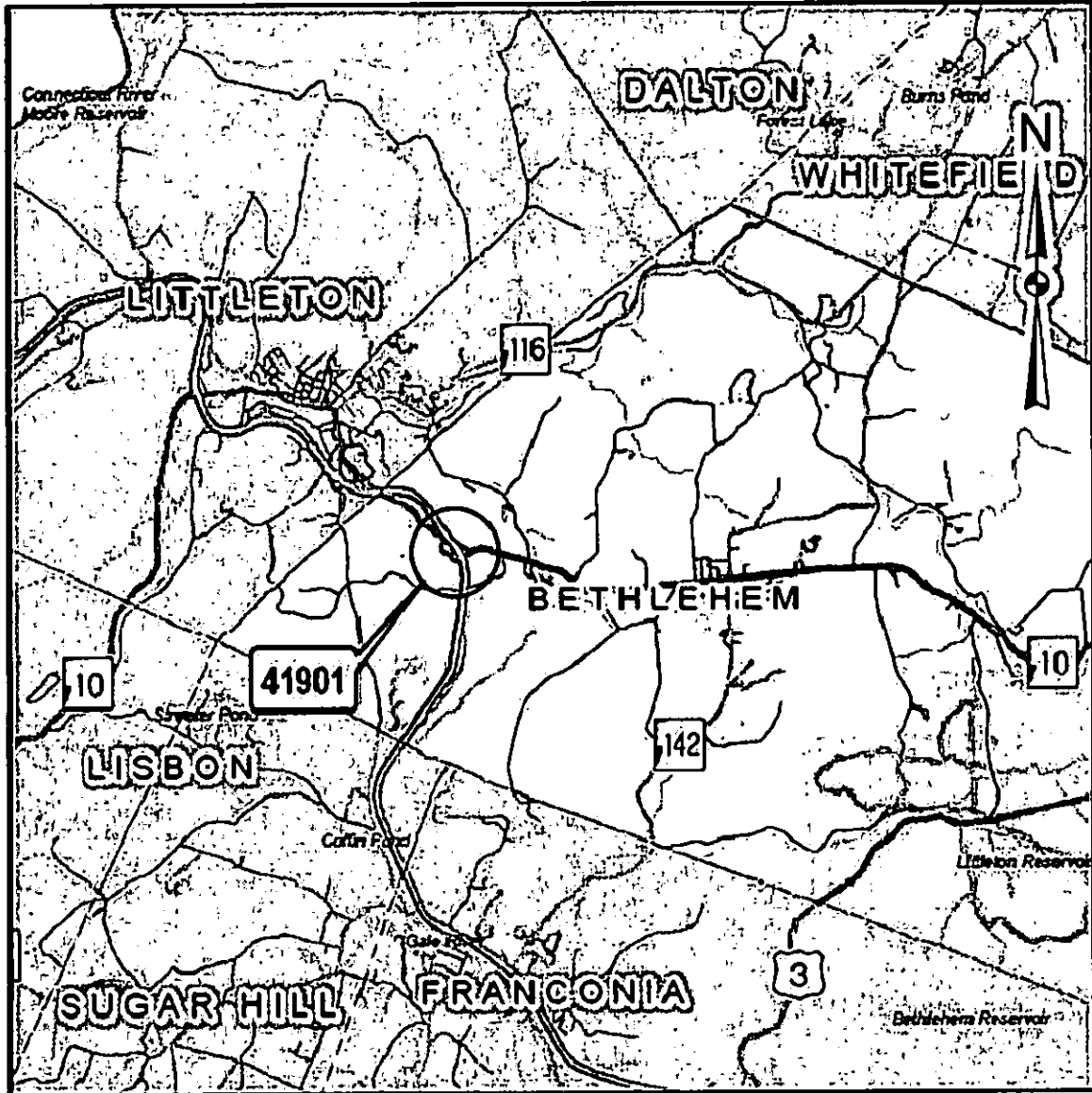
PROJECT INITIATED: 2017 Maintenance & Preservation Priority List (Bridge - Tier 1/Tier 2-Maintenance & Preservation)

PROJECT EXPLANATION: The existing bridge was built in 1959 and has not been addressed by a contract except for deck replacement of both bridges in 1988. The current condition rating of Br. No. 111/064 is 6 (Deck, satisfactory), 7 (Superstructure, good), and 5 (Substructure, fair). The concrete decks are showing signs of deterioration and the expansion joints are leaking. This preservation project will address and fix these issues to extend the life of these structures and keep them off the State's Red List.

TRAFFIC IMPLICATION: On US 302, NH 18, & NH 116, two-way traffic will be maintained through four construction phases. A 35 mph speed advisory will be in effect throughout phasing due to varying taper lengths. To complete pier rehab, the I-93 SB right hand lane will need to be closed, as well as the Exit 40 SB off-ramp. This closure will result in a 2 mile vehicle detour and an 8.75 mile oversized vehicle detour.

FINAL COMPLETION DATE: October 18, 2019

BETHLEHEM - US 302, NH 18, & NH 116



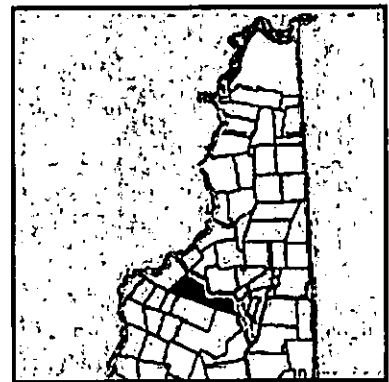
1 1/2 0 1 2 Miles

LEGEND

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

New Hampshire
DOT
Department of Transportation

State # 41901
Federal # X-A004(771)
LOCATION MAP



ABC Bid Data

BETHLEHEM

41901

X-A004(771)

PROJECT:	BETHLEHEM	Awarded To:	MILLER CONSTRUCTION, INC.
STATE PROJECT NUMBER:	41901		3103 US RT 5 SOUTH
FED. PROJECT NUMBER:	X-A004(771)		WINDSOR, VT 05089-0086
DATE BIDS OPEN:	February 07, 2019,	Amount:	\$1,330,066.00
SCOPE OF WORK:	Preservation efforts on 5-span bridge carrying US 302, NH 18, & NH 116 over I-93.	Certified by:	PETER.E.STAMNAS
COMPLETION DATE:	October 18, 2019	Award Date:	<small>Director of Project Development</small>
LOCATION:	Grafton		

Summary of Bidders

Contractor	Bid Amount	Rank
MILLER CONSTRUCTION, INC. 3103 US RT 5 SOUTH, PO BOX 86, WINDSOR VT 05089-0086	\$1,330,066.00	A
AUDLEY, R. S., INC. 1113 ROUTE 3A, BOW NH 03304-4025	\$1,389,745.00	B

Item No.	Description	Unit	Quantity	PS&E		MILLER CONSTRUCTION, INC. 3103 US RT & SOUTH WINDSOR, VT 05095-0000		AUDLEY, R. & INC. 1113 ROUTE 3A BOW, NH 03304-0025	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

202.6	CURB REMOVAL FOR SALVAGE	LF	675.00	\$4.00	\$2,700.00	\$6.00	\$4,050.00	\$7.00	\$4,725.00
203.1	COMMON EXCAVATION	CY	81.00	\$40.00	\$3,240.00	\$50.00	\$4,050.00	\$70.00	\$5,670.00
203.11	COMMON EXCAVATION - LRS	CY	35.00	\$35.00	\$1,225.00	\$60.00	\$2,100.00	\$70.00	\$2,450.00
304.3	CRUSHED GRAVEL (F)	CY	33.00	\$55.00	\$1,815.00	\$60.00	\$1,980.00	\$90.00	\$2,970.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	405.00	\$140.00	\$56,700.00	\$149.00	\$60,345.00	\$145.00	\$58,725.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	85.00	\$155.00	\$13,175.00	\$193.00	\$16,405.00	\$190.00	\$16,150.00
403.6	PAVEMENT JOINT ADHESIVE	LF	6,700.00	\$0.70	\$4,690.00	\$1.00	\$6,700.00	\$0.40	\$2,680.00
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	2,020.00	\$0.75	\$1,515.00	\$1.00	\$2,020.00	\$1.00	\$2,020.00
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	83.00	\$200.00	\$16,600.00	\$248.00	\$20,584.00	\$250.00	\$20,750.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	103.00	\$210.00	\$21,630.00	\$198.00	\$20,394.00	\$150.00	\$15,450.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	325.00	\$6.00	\$1,950.00	\$10.00	\$3,250.00	\$4.00	\$1,300.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	3,300.00	\$7.00	\$23,100.00	\$6.25	\$20,625.00	\$4.00	\$13,200.00
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$120,000.00	\$120,000.00	\$109,000.00	\$109,000.00	\$200,000.00	\$200,000.00
511.0001	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	1,275.00	\$20.00	\$25,500.00	\$24.00	\$30,600.00	\$15.00	\$19,125.00
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	250.00	\$330.00	\$82,500.00	\$275.00	\$68,750.00	\$450.00	\$112,500.00
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	30.00	\$575.00	\$17,250.00	\$500.00	\$15,000.00	\$700.00	\$21,000.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	50.00	\$650.00	\$32,500.00	\$800.00	\$40,000.00	\$850.00	\$42,500.00
520.01	CONCRETE CLASS AA	CY	32.00	\$1,250.00	\$40,000.00	\$800.00	\$25,600.00	\$450.00	\$14,400.00
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	43.00	\$1,600.00	\$68,800.00	\$1,600.00	\$68,800.00	\$2,300.00	\$98,900.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	28.00	\$65.00	\$2,380.00	\$100.00	\$2,800.00	\$65.00	\$1,820.00
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	32.00	\$47.00	\$1,504.00	\$22.00	\$704.00	\$17.50	\$560.00
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	1,410.00	\$26.00	\$36,660.00	\$22.00	\$31,020.00	\$17.50	\$24,675.00
540.511	GALVANIC CORROSION PROTECTION SYSTEM (DISTRIBUTED ANODES)	LF	225.00	\$50.00	\$11,250.00	\$42.00	\$9,450.00	\$38.00	\$8,550.00
540.512	GALVANIC CORROSION PROTECTION SYSTEM (DISCRETE ANODES)	EA	2,640.00	\$25.00	\$66,000.00	\$19.00	\$50,160.00	\$16.00	\$42,240.00
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	3,980.00	\$2.00	\$7,960.00	\$2.00	\$7,960.00	\$5.00	\$19,900.00
544.21	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS (F)	LB	55.00	\$4.00	\$220.00	\$10.00	\$550.00	\$35.00	\$1,925.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	107.00	\$110.00	\$11,770.00	\$90.00	\$9,630.00	\$80.00	\$8,560.00
561.1001	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	58.00	\$810.00	\$46,980.00	\$750.00	\$43,500.00	\$550.00	\$31,900.00
561.1002	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	58.00	\$810.00	\$46,980.00	\$750.00	\$43,500.00	\$550.00	\$31,900.00

Item No.	Description	Unit	Quantity	P&E		MILLER CONSTRUCTION, INC. 3183 US RT 1 SOUTH WINDSOR, VT 05093-0086		AUDLEY, R. S., INC. 1113 ROUTE 1A BOW, NH 03304-4025	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
563.072	ALUMINUM POST ASSEMBLY FOR F RAIL (2-BAR)	EA	4.00	\$500.00	\$2,000.00	\$400.00	\$1,600.00	\$300.00	\$1,200.00
563.8	RESETTING BRIDGE RAIL	LF	4.00	\$435.00	\$1,740.00	\$1,500.00	\$6,000.00	\$750.00	\$3,000.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	1,070.00	\$35.00	\$37,450.00	\$48.00	\$51,360.00	\$10.00	\$10,700.00
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	900.00	\$55.00	\$49,500.00	\$74.00	\$66,600.00	\$54.00	\$48,600.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	5.00	\$4,100.00	\$20,500.00	\$4,600.00	\$23,000.00	\$5,500.00	\$27,500.00
609.5	RESET GRANITE CURB	LF	170.00	\$30.00	\$5,100.00	\$22.00	\$3,740.00	\$19.00	\$3,230.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	7,000.00	\$1.00	\$7,000.00	\$1.00	\$7,000.00	\$1.00	\$7,000.00
618.7	FLAGGERS	HR	1,100.00	\$25.00	\$27,500.00	\$35.00	\$38,500.00	\$33.50	\$36,850.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$75,000.00	\$75,000.00	\$155,000.00	\$155,000.00	\$75,000.00	\$75,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	6.00	\$3,900.00	\$23,400.00	\$6,000.00	\$36,000.00	\$5,500.00	\$33,000.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	1,080.00	\$2.50	\$2,700.00	\$5.00	\$5,400.00	\$1.00	\$1,080.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	17,800.00	\$0.50	\$8,900.00	\$0.28	\$4,984.00	\$0.25	\$4,450.00
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	1,800.00	\$1.50	\$2,700.00	\$2.20	\$3,960.00	\$2.00	\$3,600.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	32.00	\$18.00	\$576.00	\$25.00	\$800.00	\$20.00	\$640.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	6,500.00	\$1.00	\$6,500.00	\$0.83	\$5,395.00	\$1.00	\$6,500.00
645.531	SILT FENCE	LF	200.00	\$3.50	\$700.00	\$5.00	\$1,000.00	\$4.00	\$800.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	200.00	\$4.25	\$850.00	\$5.00	\$1,000.00	\$4.00	\$800.00
647.1	HUMUS	CY	5.00	\$50.00	\$250.00	\$60.00	\$300.00	\$80.00	\$400.00
670.104	TEMPORARY PORTABLE LIGHTING	U	3.00	\$3,750.00	\$11,250.00	\$5,000.00	\$15,000.00	\$6,000.00	\$18,000.00
692.	MOBILIZATION	U	1.00	\$110,000.00	\$110,000.00	\$140,000.00	\$140,000.00	\$235,500.00	\$235,500.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$1,500.00	\$1,500.00	\$3,500.00	\$3,500.00	\$1,350.00	\$1,350.00
698.13	FIELD OFFICE TYPE C	MON	9.00	\$1,650.00	\$14,850.00	\$1,600.00	\$14,400.00	\$2,000.00	\$18,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00

Totals:	\$1,202,580.00	\$1,330,068.00	\$1,389,745.00
Alt. Totals:			
Totals:	\$1,202,580.00	\$1,330,068.00	\$1,389,745.00

PS&E Comparison

BETHLEHEM

41901

X-A004(771)

				A-Bidder		PS&E		
Item No.	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	A-PS&E Difference
Items								
202.6	CURB REMOVAL FOR SALVAGE	LF	675.00	\$6.00	\$4,050.00	\$4.00	\$2,700.00	\$1,350.00
203.1	COMMON EXCAVATION	CY	81.00	\$50.00	\$4,050.00	\$40.00	\$3,240.00	\$810.00
203.11	COMMON EXCAVATION - LRS	CY	35.00	\$60.00	\$2,100.00	\$35.00	\$1,225.00	\$875.00
304.3	CRUSHED GRAVEL (F)	CY	33.00	\$60.00	\$1,980.00	\$55.00	\$1,815.00	\$165.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	405.00	\$149.00	\$60,345.00	\$140.00	\$56,700.00	\$3,645.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	85.00	\$193.00	\$16,405.00	\$155.00	\$13,175.00	\$3,230.00
403.6	PAVEMENT JOINT ADHESIVE	LF	6,700.00	\$1.00	\$6,700.00	\$0.70	\$4,690.00	\$2,010.00
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	2,020.00	\$1.00	\$2,020.00	\$0.75	\$1,515.00	\$505.00
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	83.00	\$248.00	\$20,584.00	\$200.00	\$16,600.00	\$3,984.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	103.00	\$198.00	\$20,394.00	\$210.00	\$21,630.00	(\$1,236.00)
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	325.00	\$10.00	\$3,250.00	\$6.00	\$1,950.00	\$1,300.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	3,300.00	\$6.25	\$20,625.00	\$7.00	\$23,100.00	(\$2,475.00)
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$109,000.00	\$109,000.00	\$120,000.00	\$120,000.00	(\$11,000.00)
511.0001	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	1,275.00	\$24.00	\$30,600.00	\$20.00	\$25,500.00	\$5,100.00

511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	250.00	\$275.00	\$68,750.00	\$330.00	\$82,500.00	(\$13,750.00)
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	30.00	\$500.00	\$15,000.00	\$575.00	\$17,250.00	(\$2,250.00)
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	50.00	\$800.00	\$40,000.00	\$650.00	\$32,500.00	\$7,500.00
520.01	CONCRETE CLASS AA	CY	32.00	\$800.00	\$25,600.00	\$1,250.00	\$40,000.00	(\$14,400.00)
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	43.00	\$1,600.00	\$68,800.00	\$1,600.00	\$68,800.00	\$0.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	28.00	\$100.00	\$2,800.00	\$85.00	\$2,380.00	\$420.00
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	32.00	\$22.00	\$704.00	\$47.00	\$1,504.00	(\$800.00)
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	1,410.00	\$22.00	\$31,020.00	\$26.00	\$36,660.00	(\$5,640.00)
540.511	GALVANIC CORROSION PROTECTION SYSTEM (DISTRIBUTED ANODES)	LF	225.00	\$42.00	\$9,450.00	\$50.00	\$11,250.00	(\$1,800.00)
540.512	GALVANIC CORROSION PROTECTION SYSTEM (DISCRETE ANODES)	EA	2,640.00	\$19.00	\$50,160.00	\$25.00	\$66,000.00	(\$15,840.00)
544.2	REINFORCING STEEL, EPOXY COATED (F)	LB	3,980.00	\$2.00	\$7,960.00	\$2.00	\$7,960.00	\$0.00
544.21	REINFORCING STEEL, EPOXY COATED, MECHANICAL CONNECTORS (F)	LB	55.00	\$10.00	\$550.00	\$4.00	\$220.00	\$330.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	107.00	\$90.00	\$9,630.00	\$110.00	\$11,770.00	(\$2,140.00)
561.1001	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	58.00	\$750.00	\$43,500.00	\$810.00	\$46,980.00	(\$3,480.00)
561.1002	PREFABRICATED STRIP SEAL EXPANSION JOINT (F)	LF	58.00	\$750.00	\$43,500.00	\$810.00	\$46,980.00	(\$3,480.00)
563.072	ALUMINUM POST ASSEMBLY FOR F RAIL (2- BAR)	EA	4.00	\$400.00	\$1,600.00	\$500.00	\$2,000.00	(\$400.00)
563.8	RESETTING BRIDGE RAIL	LF	4.00	\$1,500.00	\$6,000.00	\$435.00	\$1,740.00	\$4,260.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	1,070.00	\$48.00	\$51,360.00	\$35.00	\$37,450.00	\$13,910.00
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	900.00	\$74.00	\$66,600.00	\$55.00	\$49,500.00	\$17,100.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	5.00	\$4,600.00	\$23,000.00	\$4,100.00	\$20,500.00	\$2,500.00
609.5	RESET GRANITE CURB	LF	170.00	\$22.00	\$3,740.00	\$30.00	\$5,100.00	(\$1,360.00)

618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	7,000.00	\$1.00	\$7,000.00	\$1.00	\$7,000.00	\$0.00
618.7	FLAGGERS	HR	1,100.00	\$35.00	\$38,500.00	\$25.00	\$27,500.00	\$11,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$155,000.00	\$155,000.00	\$75,000.00	\$75,000.00	\$80,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	6.00	\$6,000.00	\$36,000.00	\$3,900.00	\$23,400.00	\$12,600.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	1,080.00	\$5.00	\$5,400.00	\$2.50	\$2,700.00	\$2,700.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	17,800.00	\$0.28	\$4,984.00	\$0.50	\$8,900.00	(\$3,916.00)
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE 1 (REMOVABLE) 4" LINE	LF	1,800.00	\$2.20	\$3,960.00	\$1.50	\$2,700.00	\$1,260.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	32.00	\$25.00	\$800.00	\$18.00	\$576.00	\$224.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	6,500.00	\$0.83	\$5,395.00	\$1.00	\$6,500.00	(\$1,105.00)
645.531	SILT FENCE	LF	200.00	\$5.00	\$1,000.00	\$3.50	\$700.00	\$300.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	200.00	\$5.00	\$1,000.00	\$4.25	\$850.00	\$150.00
647.1	HUMUS	CY	5.00	\$60.00	\$300.00	\$50.00	\$250.00	\$50.00
670.104	TEMPORARY PORTABLE LIGHTING	U	3.00	\$5,000.00	\$15,000.00	\$3,750.00	\$11,250.00	\$3,750.00
692.	MOBILIZATION	U	1.00	\$140,000.00	\$140,000.00	\$110,000.00	\$110,000.00	\$30,000.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$3,500.00	\$3,500.00	\$1,500.00	\$1,500.00	\$2,000.00
698.13	FIELD OFFICE TYPE C	MON	9.00	\$1,600.00	\$14,400.00	\$1,650.00	\$14,850.00	(\$450.00)
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$0.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$0.00
Total:					\$1,330,066.00		\$1,202,560.00	\$127,506.00



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

2/13/2019

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(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. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511	CONTACT NAME: Christine Holman, CPCU, CIC PHONE (A/C, No, Ext): (603) 224-2562 FAX (A/C, No): (603) 224-8012 E-MAIL: cholman@rowleyagency.com ADDRESS: INSURER(S) AFFORDING COVERAGE INSURER A: Travelers INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:
INSURED Miller Construction Inc. PO Box 86 Windsor VT 05089	NAIC # 28188

COVERAGES

CERTIFICATE NUMBER: 18-19 Miller

REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			DTC02572L87A	6/30/2018	6/30/2019	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 - COM/PROP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS			DT8102572L87ACOP17	6/30/2018	6/30/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Uninsured motorist combined \$ 1,000,000
A	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0			DT8MCUP2572L87A	6/30/2018	6/30/2019	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	3A States: NH, VT DTEUB4436L35617	6/30/2018	6/30/2019	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
A	Leased/Rented Equipment Riggers Liability			QT6603083B737 QT6603083B737	6/30/2018 6/30/2018	6/30/2019 6/30/2019	Limit 500,000 Limit 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Preservation efforts on 5-span bridge carrying US 302, NH 18 & NH 116 over I-93.
Bethlehem X-A004(771)

CERTIFICATE HOLDER

CANCELLATION

State of New Hampshire
Department of Transportation
PO Box 483
Concord, NH 03302

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

C Holman, CPCU, CIC/C

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

2/13/2019

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PRODUCER THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511	CONTACT NAME: Christine Holman, CPCU, CIC PHONE (A/C No. Ext.): (603) 224-2562 FAX (A/C No.): (603) 224-8012 E-MAIL ADDRESS: cholman@rowleyagency.com														
INSURED State of New Hampshire Dept of Transportation PO Box 483 Concord NH 03302	<table><tr><th>INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr><tr><td>INSURER A: Travelers Indemnity Co</td><td>25658</td></tr><tr><td>INSURER B:</td><td></td></tr><tr><td>INSURER C:</td><td></td></tr><tr><td>INSURER D:</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: Travelers Indemnity Co	25658	INSURER B:		INSURER C:		INSURER D:		INSURER E:		INSURER F:	
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INSURER B:															
INSURER C:															
INSURER D:															
INSURER E:															
INSURER F:															

COVERAGES

CERTIFICATE NUMBER: OCP - Bethlehem

REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Owners & Contractors Protec GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			PRS-40453114-IND	3/27/2019	3/27/2020	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 \$ COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						EACH OCCURRENCE \$ AGGREGATE \$ PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/>
	UMBRELLA LIAB EXCESS LIAB DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/>
	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 <input type="checkbox"/>	N/A				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)

Preservation efforts on 5-span bridge carrying US 302, NH 18 & NH 116 over I93, Grafton, NH. Bethlehem X-A004 (771)

CERTIFICATE HOLDER**CANCELLATION**

State of New Hampshire
Dept of Transportation
PO Box 483
Concord, NH 03302

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AUTHORIZED REPRESENTATIVE

C Holman, CPCU, CIC/C

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