

39-40M



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 April 20, 2022

REQUESTED ACTION

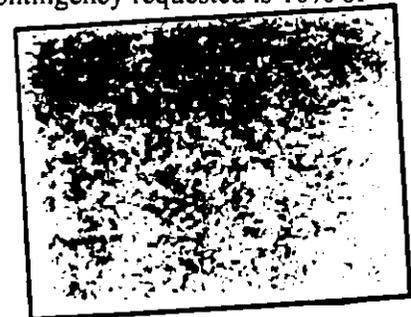
1. Authorize the Department of Transportation to enter into a contract with Miller Construction, Inc. (Vendor 160360) of Windsor, VT, on the basis of a low bid of \$577,945.00, for replacement of an existing culvert carrying an un-named stream under US 302 in Bath (Bath Project No. 43247), from the date of Governor and Council approval through October 21, 2022, unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available in State Fiscal Years 2022 and 2023, with the ability to adjust encumbrances through the Budget Office between State Fiscal Years if needed and justified:

Table with 3 columns: Funding description, FY 2022, FY 2023. Rows include Consolidated Federal Aid and Highway Contract Payments.

2. Further authorize that a contingency in the amount of \$57,794.50 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 10% of the contract amount.

Table with 2 columns: Funding description, FY 2023. Row includes Consolidated Federal Aid and Highway Contract Payments.



EXPLANATION

This project is part of the State's Ten-Year Transportation Improvement Plan, under the Culvert Replacement/Rehabilitation and Drainage Repair (CRDR) Program. The project will replace an existing 6' wide x 3' high x 40' long concrete box culvert carrying an un-named stream under US 302 located approximately 1.6 miles south of Cate Rd (US 302 Mile 6.95). The culvert was constructed in 1930 and is in poor condition. The proposed replacement structure is a 9' span x 3' clear rise x 40' long precast concrete box culvert embedded 12" below streambed. The proposed structure will be in the same location with straight concrete headwalls similar to the existing condition. Incidental work includes pavement replacement and matching the existing stream channel to the new culvert.

The proposed contingency amount is 10% of the contract amount. This is to account for the risks associated with unanticipated traffic control needs, and potential risk of over-runs in minor Items such as limited re-use soils, pavement restoration, and erosion control.

Although the bid costs exceeded the Department's estimate by 6.43%, the low bid of three bids received is felt to be reasonable for the work involved. There was one item of significance, removal of culvert, which accounted for 50% of the overage. 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.

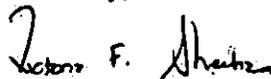
The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General as to form and execution, and the Department has certified that the necessary funds are available and the bid reasonably conforms to the engineer's estimate in accordance with State procedure. 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 (Culvert Replacement/Rehabilitation and Drainage Repair (CRDR) Program), 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:	\$543,035.00
Contract Amount:	<u>\$577,945.00</u>
Over Estimate:	\$ 34,910.00
Attachments	



ABC Bid Data

BATH
43247
X-A005(062)

PROJECT: BATH
STATE PROJECT NUMBER: 43247
FED. PROJECT NUMBER: X-A005(062)
DATE BIDS OPEN: April 14, 2022, 2:00
SCOPE OF WORK: Replacement of existing 6' x 4' concrete box culvert 2 miles south of Cate Rd.
COMPLETION DATE: October 21, 2022
LOCATION: District 1, Grafton

Awarded To: MILLER CONSTRUCTION,
INC.
3103 US RT 5 SOUTH
WINDSOR, VT 05089-0086

Amount: \$577,945.00

Award Date:

Certified by: PETER E. STAMNAS
Director of Project Development

Summary of Bidders

Contractor	Bid Amount	Rank
MILLER CONSTRUCTION, INC. 3103 US RT 5 SOUTH, PO BOX 86, WINDSOR, VT 05089-0086	\$577,945.00	A
NORTHEAST EARTH MECHANICS LLC 159 BARNSTEAD ROAD, PITTSFIELD NH 03263	\$583,095.00	B
CAULDER CONSTRUCTION, LLC 5 MACAUL DRIVE, NORTH WOODSTOCK NH 03262	\$647,180.00	C

Item No.	Description	Unit	Quantity	PS&E		MILLER CONSTRUCTION, INC. 3103 US RT 8 SOUTH WINDSOR, VT 05095-0098		NORTHEAST EARTH MECHANICS LLC 158 BARNSTEAD ROAD PITTSFIELD, NH 03263	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

202.451	REMOVAL OF CULVERT	U	1.00	\$10,000.00	\$10,000.00	\$27,000.00	\$27,000.00	\$14,000.00	\$14,000.00
203.1	COMMON EXCAVATION	CY	50.00	\$50.00	\$2,500.00	\$50.00	\$2,500.00	\$35.00	\$1,750.00
203.11	COMMON EXCAVATION - LRS	CY	105.00	\$25.00	\$2,625.00	\$50.00	\$5,250.00	\$35.00	\$3,675.00
203.2	ROCK EXCAVATION	CY	27.00	\$90.00	\$2,430.00	\$150.00	\$4,050.00	\$95.00	\$2,565.00
203.5525	PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM	U	3.00	\$1,100.00	\$3,300.00	\$1,500.00	\$4,500.00	\$1,250.00	\$3,750.00
214.	FINE GRADING	U	1.00	\$4,000.00	\$4,000.00	\$3,000.00	\$3,000.00	\$2,000.00	\$2,000.00
304.301	CRUSHED GRAVEL	CY	115.00	\$75.00	\$8,625.00	\$55.00	\$6,325.00	\$50.00	\$5,750.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	68.00	\$37.00	\$2,035.00	\$45.00	\$2,475.00	\$50.00	\$2,750.00
304.35	CRUSHED GRAVEL FOR DRIVES	CY	25.00	\$60.00	\$1,500.00	\$50.00	\$1,250.00	\$50.00	\$1,250.00
304.399	TEMPORARY CRUSHED GRAVEL	CY	25.00	\$75.00	\$1,875.00	\$75.00	\$1,875.00	\$50.00	\$1,250.00
403.11023	HBP-3/4" BINDER MIX, MACHINE METHOD	TON	80.00	\$175.00	\$10,500.00	\$265.00	\$15,900.00	\$250.00	\$15,000.00
403.11043	HBP-1/2" SURFACE MIX, MACHINE METHOD	TON	40.00	\$175.00	\$7,000.00	\$265.00	\$10,600.00	\$250.00	\$10,000.00
403.16	PAVEMENT JOINT ADHESIVE	LF	300.00	\$4.00	\$1,200.00	\$7.00	\$2,100.00	\$15.00	\$4,500.00
403.19	HBP-TEMPORARY	TON	40.00	\$200.00	\$8,000.00	\$200.00	\$8,000.00	\$250.00	\$10,000.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	37.00	\$20.00	\$740.00	\$15.00	\$555.00	\$20.00	\$740.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	255.00	\$25.00	\$6,375.00	\$27.00	\$6,885.00	\$30.00	\$7,650.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$30,000.00	\$30,000.00	\$36,000.00	\$36,000.00	\$50,000.00	\$50,000.00
503.201	COFFERDAMS	U	1.00	\$35,000.00	\$35,000.00	\$36,000.00	\$36,000.00	\$50,000.00	\$50,000.00
529.001	PRECAST CONCRETE BOX CULVERT	U	1.00	\$117,000.00	\$117,000.00	\$113,000.00	\$113,000.00	\$175,000.00	\$175,000.00
585.3401	SIMULATED STREAMBED MATERIAL	CY	25.00	\$75.00	\$1,875.00	\$75.00	\$1,875.00	\$50.00	\$1,250.00
603.99036	36" TEMPORARY DRAINAGE PIPE	LF	10.00	\$120.00	\$1,200.00	\$150.00	\$1,500.00	\$75.00	\$750.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	280.00	\$42.00	\$11,760.00	\$55.00	\$15,400.00	\$50.00	\$14,000.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	4.00	\$3,500.00	\$14,000.00	\$4,500.00	\$18,000.00	\$1,250.00	\$5,000.00
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$30,000.00	\$30,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00

ABC Bid Data

BATH

43247

X-A005(062)

Item No.	Description	Unit	Quantity	PS&E		MILLER CONSTRUCTION, INC. 3163 US RT S SOUTH WINDSOR, VT 05089-0088		NORTHEAST EARTH MECHANICS LLC 158 BARNSTEAD ROAD PITTSFIELD, NH 03283	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
618.7	FLAGGERS	HR	625.00	\$40.00	\$21,000.00	\$42.00	\$22,050.00	\$40.00	\$21,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$35,000.00	\$35,000.00	\$8,000.00	\$8,000.00	\$10,000.00	\$10,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$2,500.00	\$5,000.00	\$5,000.00	\$10,000.00	\$2,500.00	\$5,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$2,500.00	\$5,000.00	\$3,000.00	\$6,000.00	\$2,000.00	\$4,000.00
621.31	SINGLE DELINEATOR WITH POST	EA	10.00	\$57.00	\$570.00	\$80.00	\$800.00	\$75.00	\$750.00
622.52	RESETTING BOUNDS	EA	1.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$500.00	\$500.00
628.1	SAWED CONCRETE PAVEMENT	LF	135.00	\$7.00	\$945.00	\$5.00	\$675.00	\$15.00	\$2,025.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	60.00	\$7.00	\$420.00	\$5.00	\$300.00	\$5.00	\$300.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	3,800.00	\$1.00	\$3,800.00	\$0.30	\$1,140.00	\$0.25	\$950.00
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	30.00	\$15.00	\$450.00	\$20.00	\$600.00	\$15.00	\$450.00
645.3	EROSION STONE	TON	40.00	\$45.00	\$1,800.00	\$60.00	\$2,400.00	\$27.00	\$1,080.00
645.44	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	SY	680.00	\$2.75	\$1,865.00	\$5.00	\$2,900.00	\$7.00	\$4,060.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	280.00	\$5.75	\$1,610.00	\$5.00	\$1,400.00	\$8.00	\$2,240.00
645.531	SILT FENCE	LF	630.00	\$3.50	\$2,905.00	\$5.00	\$4,150.00	\$5.00	\$4,150.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00	\$5,000.00	\$5,000.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	84.00	\$100.00	\$8,400.00	\$135.00	\$11,340.00	\$100.00	\$8,400.00
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	1,080.00	\$10.00	\$10,800.00	\$10.00	\$10,800.00	\$7.00	\$7,560.00
670.048	CONSTRUCT AND REMOVE TEMPORARY WIDENING	U	1.00	\$15,000.00	\$15,000.00	\$26,000.00	\$26,000.00	\$15,000.00	\$15,000.00
670.104	TEMPORARY PORTABLE LIGHTING	U	2.00	\$3,000.00	\$6,000.00	\$3,000.00	\$6,000.00	\$2,500.00	\$5,000.00
692.	MOBILIZATION	U	1.00	\$75,000.00	\$75,000.00	\$80,000.00	\$80,000.00	\$50,000.00	\$50,000.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$2,700.00	\$2,700.00	\$3,850.00	\$3,850.00	\$2,000.00	\$2,000.00
698.13	FIELD OFFICE TYPE C	MON	5.00	\$2,300.00	\$11,500.00	\$2,000.00	\$10,000.00	\$2,000.00	\$10,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00
1010.15	FUEL ADJUSTMENT	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00
Totals:				\$543,035.00		\$577,945.00		\$583,095.00	

ABC Bid Data

BATH
 43247
 X-A005(062)

Item No.	Description	Unit	Quantity	PS&E		MILLER CONSTRUCTION, INC. 3103 US RT 8 SOUTH WINDSOR, VT 05089-0088		NORTHEAST EARTH MECHANICS LLC 158 BARNSTEAD ROAD PITTSFIELD, NH 03283	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
Alt. Totals:									
Totals:					\$543,035.00		\$577,945.00		\$583,095.00

Item No.	Description	Unit	Quantity	PS&E		CAULDER CONSTRUCTION LLC 6 MACAUL DRIVE NORTH WOODSTOCK, NH 03282		Unit Price	Total
				Unit Price	Total	Unit Price	Total		

Items

202.451	REMOVAL OF CULVERT	U	1.00	\$10,000.00	\$10,000.00	\$47,000.00	\$47,000.00		
203.1	COMMON EXCAVATION	CY	50.00	\$50.00	\$2,500.00	\$10.00	\$500.00		
203.11	COMMON EXCAVATION - LRS	CY	105.00	\$25.00	\$2,625.00	\$15.00	\$1,575.00		
203.2	ROCK EXCAVATION	CY	27.00	\$90.00	\$2,430.00	\$260.00	\$7,020.00		
203.5525	PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM	U	3.00	\$1,100.00	\$3,300.00	\$1,200.00	\$3,600.00		
214.	FINE GRADING	U	1.00	\$4,000.00	\$4,000.00	\$11,000.00	\$11,000.00		
304.301	CRUSHED GRAVEL	CY	115.00	\$75.00	\$8,625.00	\$65.00	\$7,475.00		
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	55.00	\$37.00	\$2,035.00	\$95.00	\$5,225.00		
304.35	CRUSHED GRAVEL FOR DRIVES	CY	25.00	\$60.00	\$1,500.00	\$105.00	\$2,625.00		
304.399	TEMPORARY CRUSHED GRAVEL	CY	25.00	\$75.00	\$1,875.00	\$105.00	\$2,625.00		
403.11023	HBP-3/4" BINDER MIX, MACHINE METHOD	TON	60.00	\$175.00	\$10,500.00	\$330.00	\$19,800.00		
403.11043	HBP-1/2" SURFACE MIX, MACHINE METHOD	TON	40.00	\$175.00	\$7,000.00	\$330.00	\$13,200.00		
403.16	PAVEMENT JOINT ADHESIVE	LF	300.00	\$4.00	\$1,200.00	\$7.00	\$2,100.00		
403.19	HBP-TEMPORARY	TON	40.00	\$200.00	\$8,000.00	\$250.00	\$10,000.00		
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	37.00	\$20.00	\$740.00	\$12.00	\$444.00		
417.	COLD PLANING BITUMINOUS SURFACES	SY	255.00	\$25.00	\$6,375.00	\$25.00	\$6,375.00		
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$30,000.00	\$30,000.00	\$28,000.00	\$28,000.00		
503.201	COFFERDAMS	U	1.00	\$35,000.00	\$35,000.00	\$40,000.00	\$40,000.00		
529.001	PRECAST CONCRETE BOX CULVERT	U	1.00	\$117,000.00	\$117,000.00	\$173,700.00	\$173,700.00		
585.3401	SIMULATED STREAMBED MATERIAL	CY	25.00	\$75.00	\$1,875.00	\$225.00	\$5,625.00		
603.99036	36" TEMPORARY DRAINAGE PIPE	LF	10.00	\$120.00	\$1,200.00	\$78.00	\$780.00		
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	280.00	\$42.00	\$11,760.00	\$50.00	\$14,000.00		
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	4.00	\$3,500.00	\$14,000.00	\$3,500.00	\$14,000.00		
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$30,000.00	\$30,000.00	\$20,000.00	\$20,000.00		



ABC Bid Data

BATH
43247
X-A005(062)

Item No.	Description	Unit	Quantity	PS&E		CAULDER CONSTRUCTION LLC 5 MACAUL DRIVE NORTH WOODSTOCK, NH 03282		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00		
618.7	FLAGGERS	HR	525.00	\$40.00	\$21,000.00	\$48.00	\$25,200.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$35,000.00	\$35,000.00	\$25,000.00	\$25,000.00		
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$2,500.00	\$5,000.00	\$3,400.00	\$6,800.00		
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$2,500.00	\$5,000.00	\$3,400.00	\$6,800.00		
621.31	SINGLE DELINEATOR WITH POST	EA	10.00	\$57.00	\$570.00	\$75.00	\$750.00		
622.52	RESETTING BOUNDS	EA	1.00	\$500.00	\$500.00	\$500.00	\$500.00		
628.1	SAWED CONCRETE PAVEMENT	LF	135.00	\$7.00	\$945.00	\$25.00	\$3,375.00		
628.2	SAWED BITUMINOUS PAVEMENT	LF	60.00	\$7.00	\$420.00	\$6.00	\$360.00		
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	3,800.00	\$1.00	\$3,800.00	\$0.40	\$1,520.00		
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	30.00	\$15.00	\$450.00	\$10.00	\$300.00		
645.3	EROSION STONE	TON	40.00	\$45.00	\$1,800.00	\$50.00	\$2,000.00		
645.44	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	SY	580.00	\$2.75	\$1,595.00	\$3.00	\$1,740.00		
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	280.00	\$5.75	\$1,610.00	\$6.00	\$1,680.00		
645.531	SILT FENCE	LF	830.00	\$3.50	\$2,905.00	\$2.75	\$2,282.50		
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$3,500.00	\$3,500.00	\$3,783.50	\$3,783.50		
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	84.00	\$100.00	\$8,400.00	\$150.00	\$12,600.00		
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	1,080.00	\$10.00	\$10,800.00	\$9.00	\$9,720.00		
670.046	CONSTRUCT AND REMOVE TEMPORARY WIDENING	U	1.00	\$15,000.00	\$15,000.00	\$7,000.00	\$7,000.00		
670.104	TEMPORARY PORTABLE LIGHTING	U	2.00	\$3,000.00	\$6,000.00	\$3,000.00	\$6,000.00		
692.	MOBILIZATION	U	1.00	\$75,000.00	\$75,000.00	\$59,700.00	\$59,700.00		
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$2,700.00	\$2,700.00	\$2,400.00	\$2,400.00		
698.13	FIELD OFFICE TYPE C	MON	5.00	\$2,300.00	\$11,500.00	\$3,000.00	\$15,000.00		
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00		
1010.15	FUEL ADJUSTMENT	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00		
Totals:				\$543,035.00		\$647,180.00			

ABC Bid Data

BATH
 43247
 X-A005(062)

Item No.	Description	Unit	Quantity	PS&E		CAULDER CONSTRUCTION LLC 8 MACAUL DRIVE NORTH WOODSTOCK, NH 03282		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
Alt. Totals:									
Totals:					\$543,035.00		\$647,180.00		



PS&E Comparison

BATH
43247
X-A005(062)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
Items								
202.451	REMOVAL OF CULVERT	U	1.00	\$27,000.00	\$27,000.00	\$10,000.00	\$10,000.00	\$17,000.00
203.1	COMMON EXCAVATION	CY	50.00	\$50.00	\$2,500.00	\$50.00	\$2,500.00	\$0.00
203.11	COMMON EXCAVATION - LRS	CY	105.00	\$50.00	\$5,250.00	\$25.00	\$2,625.00	\$2,625.00
203.2	ROCK EXCAVATION	CY	27.00	\$150.00	\$4,050.00	\$90.00	\$2,430.00	\$1,620.00
203.5525	PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM	U	3.00	\$1,500.00	\$4,500.00	\$1,100.00	\$3,300.00	\$1,200.00
214.	FINE GRADING	U	1.00	\$3,000.00	\$3,000.00	\$4,000.00	\$4,000.00	(\$1,000.00)
304.301	CRUSHED GRAVEL	CY	115.00	\$55.00	\$6,325.00	\$75.00	\$8,625.00	(\$2,300.00)
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	55.00	\$45.00	\$2,475.00	\$37.00	\$2,035.00	\$440.00
304.35	CRUSHED GRAVEL FOR DRIVES	CY	25.00	\$50.00	\$1,250.00	\$60.00	\$1,500.00	(\$250.00)
304.399	TEMPORARY CRUSHED GRAVEL	CY	25.00	\$75.00	\$1,875.00	\$75.00	\$1,875.00	\$0.00
403.11023	HBP-3/4" BINDER MIX, MACHINE METHOD	TON	60.00	\$265.00	\$15,900.00	\$175.00	\$10,500.00	\$5,400.00
403.11043	HBP-1/2" SURFACE MIX, MACHINE METHOD	TON	40.00	\$265.00	\$10,600.00	\$175.00	\$7,000.00	\$3,600.00
403.16	PAVEMENT JOINT ADHESIVE	LF	300.00	\$7.00	\$2,100.00	\$4.00	\$1,200.00	\$900.00
403.19	HBP-TEMPORARY	TON	40.00	\$200.00	\$8,000.00	\$200.00	\$8,000.00	\$0.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	37.00	\$15.00	\$555.00	\$20.00	\$740.00	(\$185.00)



PS&E Comparison

BATH
43247
X-A005(062)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
417.	COLD PLANING BITUMINOUS SURFACES	SY	255.00	\$27.00	\$6,885.00	\$25.00	\$6,375.00	\$510.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$36,000.00	\$36,000.00	\$30,000.00	\$30,000.00	\$6,000.00
503.201	COFFERDAMS	U	1.00	\$36,000.00	\$36,000.00	\$35,000.00	\$35,000.00	\$1,000.00
529.001	PRECAST CONCRETE BOX CULVERT	U	1.00	\$113,000.00	\$113,000.00	\$117,000.00	\$117,000.00	(\$4,000.00)
585.3401	SIMULATED STREAMBED MATERIAL	CY	25.00	\$75.00	\$1,875.00	\$75.00	\$1,875.00	\$0.00
603.99036	36" TEMPORARY DRAINAGE PIPE	LF	10.00	\$150.00	\$1,500.00	\$120.00	\$1,200.00	\$300.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	280.00	\$55.00	\$15,400.00	\$42.00	\$11,760.00	\$3,640.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	4.00	\$4,500.00	\$18,000.00	\$3,500.00	\$14,000.00	\$4,000.00
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$25,000.00	\$25,000.00	\$30,000.00	\$30,000.00	(\$5,000.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
618.7	FLAGGERS	HR	525.00	\$42.00	\$22,050.00	\$40.00	\$21,000.00	\$1,050.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$8,000.00	\$8,000.00	\$35,000.00	\$35,000.00	(\$27,000.00)
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$5,000.00	\$10,000.00	\$2,500.00	\$5,000.00	\$5,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$3,000.00	\$6,000.00	\$2,500.00	\$5,000.00	\$1,000.00
621.31	SINGLE DELINEATOR WITH POST	EA	10.00	\$80.00	\$800.00	\$57.00	\$570.00	\$230.00
622.52	RESETTING BOUNDS	EA	1.00	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$500.00
628.1	SAWED CONCRETE PAVEMENT	LF	135.00	\$5.00	\$675.00	\$7.00	\$945.00	(\$270.00)

PS&E Comparison

BATH
 43247
 X-A005(062)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
628.2	SAWED BITUMINOUS PAVEMENT	LF	60.00	\$5.00	\$300.00	\$7.00	\$420.00	(\$120.00)
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	3,800.00	\$0.30	\$1,140.00	\$1.00	\$3,800.00	(\$2,660.00)
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	30.00	\$20.00	\$600.00	\$15.00	\$450.00	\$150.00
645.3	EROSION STONE	TON	40.00	\$60.00	\$2,400.00	\$45.00	\$1,800.00	\$600.00
645.44	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	SY	580.00	\$5.00	\$2,900.00	\$2.75	\$1,595.00	\$1,305.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	280.00	\$5.00	\$1,400.00	\$5.75	\$1,610.00	(\$210.00)
645.531	SILT FENCE	LF	830.00	\$5.00	\$4,150.00	\$3.50	\$2,905.00	\$1,245.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00	\$0.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	84.00	\$135.00	\$11,340.00	\$100.00	\$8,400.00	\$2,940.00
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	1,080.00	\$10.00	\$10,800.00	\$10.00	\$10,800.00	\$0.00
670.046	CONSTRUCT AND REMOVE TEMPORARY WIDENING	U	1.00	\$26,000.00	\$26,000.00	\$15,000.00	\$15,000.00	\$11,000.00
670.104	TEMPORARY PORTABLE LIGHTING	U	2.00	\$3,000.00	\$6,000.00	\$3,000.00	\$6,000.00	\$0.00
692.	MOBILIZATION	U	1.00	\$80,000.00	\$80,000.00	\$75,000.00	\$75,000.00	\$5,000.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$3,850.00	\$3,850.00	\$2,700.00	\$2,700.00	\$1,150.00
698.13	FIELD OFFICE TYPE C	MON	5.00	\$2,000.00	\$10,000.00	\$2,300.00	\$11,500.00	(\$1,500.00)
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00	\$0.00



PS&E Comparison

BATH
43247
X-A005(062)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
1010.15	FUEL ADJUSTMENT	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$0.00
Total:					\$577,945.00		\$543,035.00	\$34,910.00

March 10, 2022

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: The project will replace an existing 6' wide x 3' high x 40' long concrete box culvert carrying an un-named stream under US 302 located approximately 1.6 miles south of Cate Rd (US 302 Mile 6.95). The proposed replacement structure is a 9' span x 3' clear rise x 40' long precast concrete box culvert embedded 12" below streambed. The proposed structure will be in the same location with straight concrete headwalls similar to the existing condition. Incidental work includes pavement replacement and matching the existing stream channel to the new culvert.

FEDERAL FUNDING: 80% (Culvert Replacement/Rehabilitation and Drainage Repair (CRDR) Program) with anticipated utilization of Turnpike Toll Credits for the State's 20% match.

CONTINGENCY: The proposed contingency amount is 10% of the contract amount. This is to account for the risks associated with unanticipated traffic control needs, and potential risk of over-runs in minor items such as limited re-use soils, pavement restoration, and erosion control.

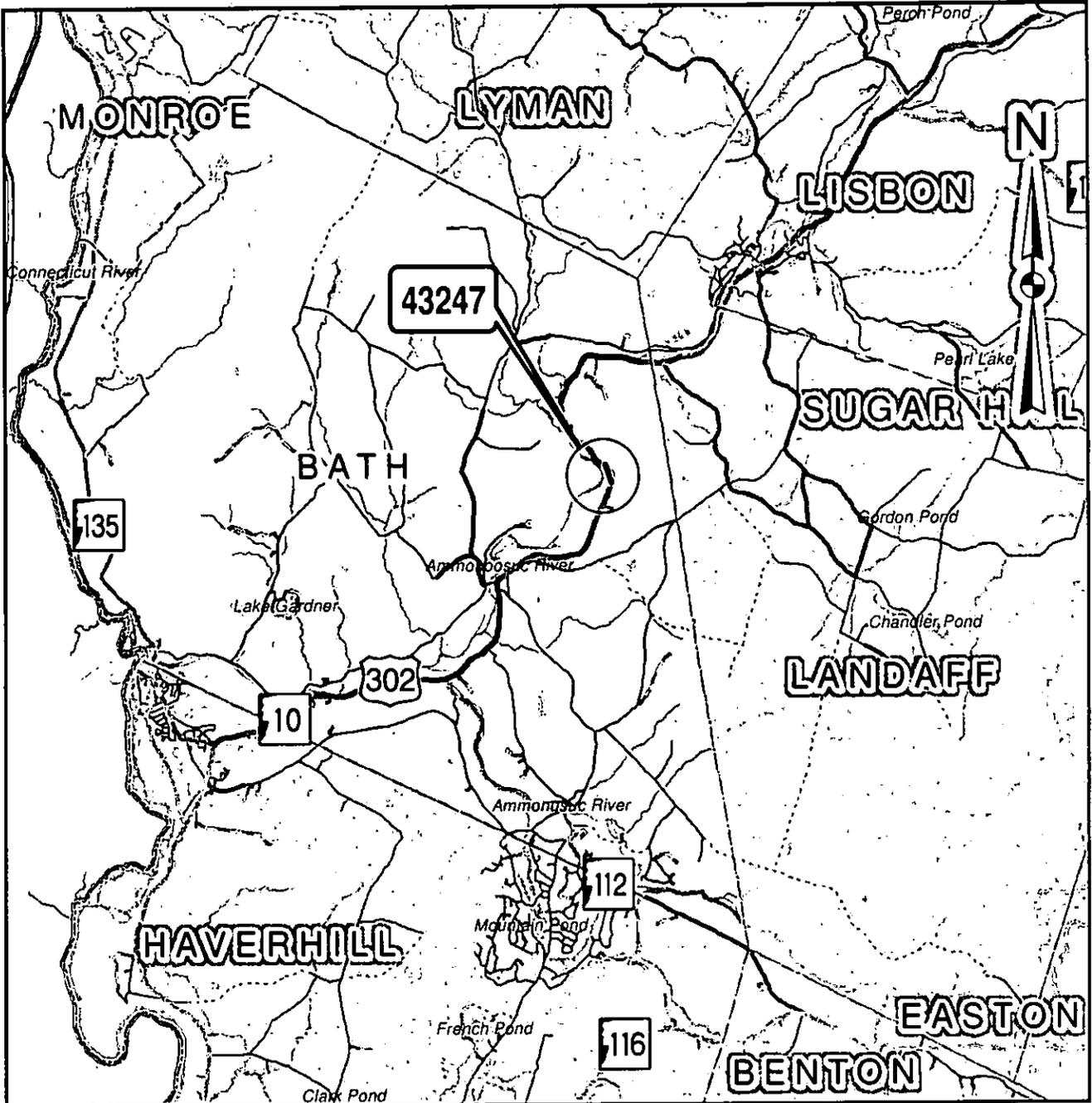
PROJECT INITIATED: State's 10 Year Plan, under the Culvert Replacement/Rehabilitation and Drainage Repair (CRDR) Program.

PROJECT EXPLANATION: The existing culvert is a 6' wide x 3' high x 40' long concrete box culvert carrying an un-named stream under US 302. Original construction was in 1930, at 36' long. It was extended about 4' on the outlet side, no plans for the extension were found. The concrete is in very poor condition. Some repairs were made about 15 years ago including placing a steel plate over a hole in the top slab. Further repairs are not considered practical.

TRAFFIC IMPLICATION: One lane alternating two-way traffic with concrete barrier and temporary signals will be utilized to construct the box culvert half at a time. Minor temporary widening will be required on the northbound side of US 302. Approximately 65 LF of existing pavement will be removed to accommodate the cofferdam and excavation, and traffic will be maintained on paved surface, with 13' minimum clear width. One lane alternating two-way traffic under flagger control will be required for preparatory work and final paving / cleanup work. No night work is proposed. Speed reduction from 50 mph to 40 mph is proposed as needed during work hours only for operations such as setting up/removing temporary barrier and signals and final paving.

FINAL COMPLETION DATE: October 21, 2022.

BATH - US 302

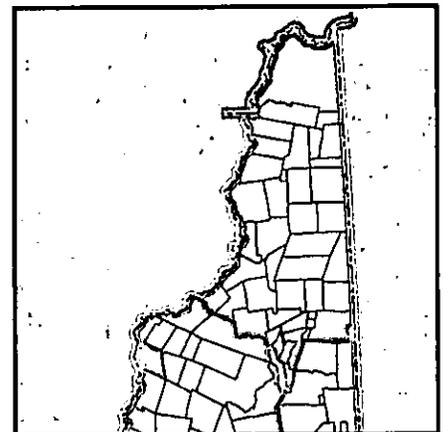


LEGEND

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

New Hampshire
DOT
 Department of Transportation

State #: 43247
 Federal #: X-A005 (062)
LOCATION MAP



State of New Hampshire

Department of State

CERTIFICATE

I, David M. Scanlan, Secretary of State of the State of New Hampshire, do hereby certify that MILLER CONSTRUCTION INC. is a Vermont Profit Corporation registered to transact business in New Hampshire on June 01, 1962. I further certify that all fees and documents required by the Secretary of State's office have been received and is in good standing as far as this office is concerned.

Business ID: 2514

Certificate Number: 0005761326



IN TESTIMONY WHEREOF,
I hereto set my hand and cause to be affixed
the Seal of the State of New Hampshire,
this 18th day of April A.D. 2022.

A handwritten signature in black ink, appearing to read "David M. Scanlan".

David M. Scanlan
Secretary of State

Miller Construction Inc.

CERTIFICATE OF VOTE

I, Carolyn M Hurst, hereby certify that I am duly elected President of Miller Construction, Inc.

I hereby certify that the following is a true copy of a vote taken at a meeting of the Board of Directors of the Corporation, duly called and held on 4/19/22, at which a quorum of the Board was present and voting.

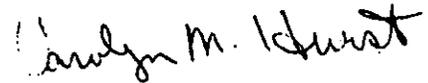
VOTED:

That Paul Holloway as Vice President, is hereby authorized, empowered, and instructed to execute and deliver any and all documents necessary to transact any and all business in the State of New Hampshire for Bath X-A005(062),43247.

Also, further authorizing said officer to execute any documents which may in their judgment be desirable or necessary to effect the purpose of this vote.

I hereby certify that said vote has not been amended or repealed and remains in full force and effect as of April 20, 2022, and that Carolyn M Hurst is the duly elected President of this corporation.

Attest:



Carolyn M Hurst
President

Date: 4/20/2022



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

4/20/2022

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 E-MAIL ADDRESS: cholman@rowleyagency.com FAX (A/C, No): (603) 224-8012	
INSURED Miller Construction Inc. PO Box 86 Windsor VT 05089		INSURER(S) AFFORDING COVERAGE INSURER A: Travelers NAIC # 28188 INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 21-22 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	6/30/2021	6/30/2022	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMPOP AGG \$ 4,000,000
A	AUTOMOBILE LIABILITY <input checked="" 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			DT8102572L87ACOF21	6/30/2021	6/30/2022	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	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0			DTSMCUP2572L87A	6/30/2021	6/30/2022	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 Prod / Completed Ops 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/A	3A States: NH, VT DTEUB14193319	6/30/2021	6/30/2022	<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	6/30/2021 6/30/2021	6/30/2022 6/30/2022	Limit 500,000 Limit 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 re: Bath NH project, #X-A005(062) 43247 Only when required by written contract: Certificate holder is included as an additional insured under general liability coverage.

CERTIFICATE HOLDER**CANCELLATION**

State of New Hampshire
 DOT
 PO Box 483
 7 Hazen Dr.
 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



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
04/20/2022

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 rights to the certificate holder in lieu of such endorsement(s).

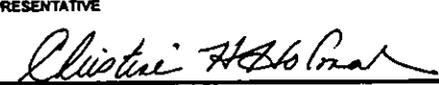
PRODUCER THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511	CONTACT NAME: Christine Holman, CPCU, CIC PHONE (A/C, No, Ext): (603) 224-2562 E-MAIL ADDRESS: cholman@rowleyagency.com	FAX (A/C, No): (603) 224-8012
	INSURER(S) AFFORDING COVERAGE	
INSURED State of New Hampshire Dept of Transportation PO Box 483 Concord NH 03302	INSURER A: Travelers Indemnity Co	NAIC # 25858
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** OCP - Bath **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 Protective GENL AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			OCP042022	04/20/2022	04/20/2023	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COMP/OP AGG \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			N/A			<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 43247 X-A005(062) replacement of existing 6' x 4' concrete box culverts 2 miles south of Cate Road, Bath NH

CERTIFICATE HOLDER State of New Hampshire Department of Transportation PO Box 483 Concord NH 03302-0483	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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