



Victoria F. Sheehan
Commissioner

THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



William Cass, P.E.
Assistant Commissioner

JAM
37

Bureau of Construction
November 9, 2017

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

1. Authorize the Department of Transportation to enter into a contract with Evroks Corporation (Vendor 155652) of Northfield, NH on the basis of a low bid of \$1,564,424.00 for bridge preservation work on three bridges in the Towns of Andover and Danbury, from the date of Governor and Council approval through October 19, 2018 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available in State Fiscal Year 2018 and 2019 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 2018</u>	<u>FY 2019</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments	\$1,000,000.0	\$564,424.00

2. Further authorize that a contingency in the amount of \$156,442.40 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 2018</u>	<u>FY 2019</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments		\$156,442.40

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 three bridges. The scope of work for all three bridges includes replacement of the bridge deck pavement and membrane and partial and full depth deck repair and the additional work listed below.

- Andover Br. No. 044/088 NH Route 11 over Pleasant Stream (replace expansion joint)
- Andover Br. No. 120/092 US Route 4 over Blackwater River (new coping and bridge rail, T-beams repair)
- Danbury Br. No. 178/091 US Route 4 over NH Railroad (Abandoned) (bridge painting)

Two of the existing bridges (Br. No. 044/088 and Br. No.120/092) were built in 1933 and 1959 and have not been addressed by a preservation contract, and the third bridge (Br. No. 178/091) has not been addressed since the deck

was replaced in 1986. The current condition rating of Br. No. 044/088 is 6 (Deck, satisfactory), 6 (Superstructure, satisfactory) and 6 (Substructure, satisfactory). The current condition rating of Br. No. 120/092 is 6 (Deck, satisfactory), 6 (Superstructure, satisfactory) and 6 (Substructure, satisfactory). The current condition of Br. No. 178/091 is 7 (Deck, good), 5 (Superstructure, Fair) and 7 (Substructure, good). The concrete decks of all three bridges are showing signs of deterioration, the expansion joint of Br. No. 044/088 is damaged and leaking over the pier, the coping and bridge rail of Br. No. 120/092 are in need of replacement, and the superstructure of Br. No. 178/091 is in need of painting. 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 three bridges built in 1933 (Br. No. 120/092), 1937/Rebuilt 1986 (Br. No. 178/091) and 1959 (Br. No. 044/088). These bridges have not received preservation activities except for a deck replacement of Br. No. 178/091 in August 1986. The work includes partial and full depth deck 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.

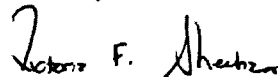
Although the bid costs exceeded the Department's estimate by 11.03%, the low bid is felt to be reasonable for the work involved. In summary, six bids were received and the top three bids were within 11% of one another. 74% (\$115,000.00) of the overage was in the painting items and the top 3 bids had similar totals for those items. 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 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:	\$1,409,033.50
Contract Amount:	<u>\$1,564,424.00</u>
Over Estimate:	\$ 155,390.50

Attachments

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project consists of bridge preservation work on three bridges. The first bridge carries NH Route 11 over Pleasant Stream (Br. No. 044/088) in the Town of Andover. The second and third bridges carry US Route 4 over Blackwater River (Br. No. 120/092) in the Town of Andover and NH Railroad (Abandoned) (Br. No. 178/091) in the Town of Danbury. The work on Br. No. 044/088 begins approximately 220 feet west of the west end of the bridge and continues 605 feet east across the bridge. Work on this bridge includes the replacement of an expansion joint. The work on Br. No. 120/092 begins approximately 175 feet west of the west end of the bridge and continues 410 feet east across the bridge. Work on this bridge includes new coping and bridge rail as well as repairs on wing wall corners and T-beams. The work on Br. No. 178/091 begins approximately 215 feet south of the south end of the bridge and continues 555 feet north across the bridge. Work on this bridge includes painting the bridge. Additionally, the scope of work for all three bridges includes replacement of the bridge deck pavement and membrane and partial and full depth deck repair.

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 three bridges built in 1933 (Br. No. 120/092), 1937/Rebuilt 1986 (Br. No. 178/091) and 1959 (Br. No. 044/088). These bridges have not received preservation activities except for a deck replacement of Br. No. 178/091 in August 1986. The work includes partial and full depth deck 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.

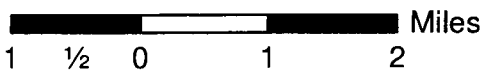
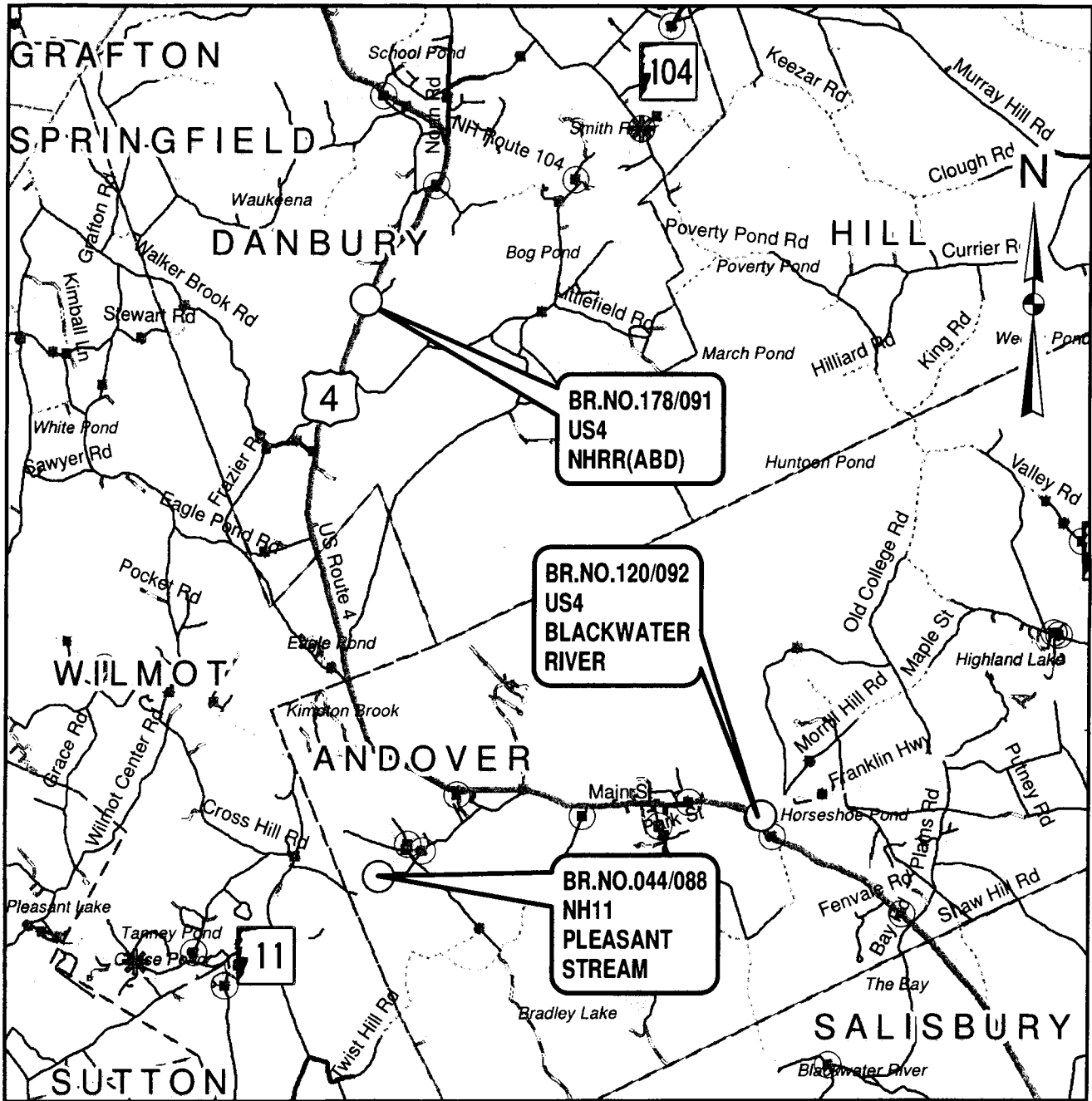
PROJECT INITIATED: 2017 M&P Priority List

PROJECT EXPLANATION: Two of the existing bridges (Br. No. 044/088 and Br. No. 120/092) were built in 1933 and 1959 and have not been addressed by a preservation contract, and the third bridge (Br. No. 178/091) has not been addressed since the deck was replaced in 1986. The current condition rating of Br. No. 044/088 is 6 (Deck, satisfactory), 6 (Superstructure, satisfactory) and 6 (Substructure, satisfactory). The current condition rating of Br. No. 120/092 is 6 (Deck, satisfactory), 6 (Superstructure, satisfactory) and 6 (Substructure, satisfactory). The current condition of Br. No. 178/091 is 7 (Deck, good), 5 (Superstructure, Fair) and 7 (Substructure, good). The concrete decks of all three bridges are showing signs of deterioration, the expansion joint of Br. No. 044/088 is damaged and leaking over the pier, the coping and bridge rail of Br. No. 120/092 are in need of replacement, and the superstructure of Br. No. 178/091 is in need of painting. 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: Beginning in the spring of 2018. All three bridges will be reduced to one-lane, alternating two-way traffic using signals and driveway assistance devices (on Br. No. 044/088 and Br. No. 120/092 only). Br. No. 044/088 will be reduced to one 14' traffic lane for two phases, Br. No. 120/092 will be reduced to one 10'-4" lane for Phase 1 and one 9'-10" lane for Phase 2, and Br. No. 178/091 will be reduced to one 10'-6" lane for two phases. Br. No. 120/092 will require an oversized load detour through Franklin and Salisbury for both phases. Additionally, the speed on NH Route 11 over Br. No. 044/088 will be reduced from 50 mph to 40 mph.

FINAL COMPLETION DATE: October 19, 2018

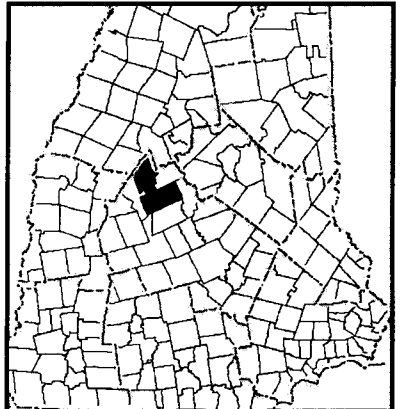
ANDOVER-DANBURY - 41298



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



State #: 41298
 Federal #: X-A004 (590)
LOCATION MAP



PROJECT: ANDOVER-DANBURY
 STATE PROJECT NUMBER: 41298
 FED. PROJECT NUMBER: X-A004(590)
 DATE BIDS OPEN: October 19, 2017, 2:00
 SCOPE OF WORK: Various Routes - Bridge Preservation efforts for three bridges in Andover and Danbury.
 COMPLETION DATE: October 19, 2018
 LOCATION: Merrimack

Awarded To: EVROKS CORP.
 23 INDUSTRIAL DRIVE
 NORTHFIELD, NH 03276
 Amount: \$1,564,424.00
 Award Date:
 Certified by: PETER E. STAMINAS
 Director of Project Development

Summary of Bidders

Contractor	Bid Amount	Rank
EVROKS CORP. 23 INDUSTRIAL DRIVE, NORTHFIELD NH 03276	\$1,564,424.00	A
BUCK, T. CONSTRUCTION, INC. 302B AUBURN ROAD, TURNER ME 04282	\$1,682,199.00	B
MILLER CONSTRUCTION, INC. 3103 US RT 5 SOUTH, PO BOX 86, WINDSOR VT 05089-0086	\$1,737,751.50	C
PIPER, R. M. INC. 141 SMITH BRIDGE RD, PO BOX 490, PLYMOUTH NH 03264-0490	\$1,754,897.25	D
DANIELS, NEIL H. INC. 4409 ROUTE 5 SOUTH, PO BOX 246, ASCUTNEY VT 05030-0246	\$1,852,402.00	E
CPM CONSTRUCTORS INC 30 BONNEY STREET, PO BOX B, FREEPORT ME 04032	\$1,972,429.60	F

Item No.	Description	Unit	Quantity	PS&E		EVROKS CORP. 21 INDUSTRIAL DRIVE NORTHFIELD, NH 03276		BUCK, T. CONSTRUCTION, INC. 1000 INDUSTRIAL DRIVE TURNER, ME 04252	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
202.7	REMOVAL OF GUARDRAIL	LF	170.00	\$2.00	\$340.00	\$3.00	\$510.00	\$10.00	\$1,700.00
304.3	CRUSHED GRAVEL (F)	CY	42.00	\$75.00	\$3,150.00	\$55.00	\$2,310.00	\$75.00	\$3,150.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	530.00	\$110.00	\$58,300.00	\$125.00	\$66,250.00	\$125.00	\$66,250.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	20.00	\$350.00	\$7,000.00	\$200.00	\$4,000.00	\$200.00	\$4,000.00
403.6	PAVEMENT JOINT ADHESIVE	LF	3,610.00	\$2.00	\$7,220.00	\$0.50	\$1,805.00	\$2.00	\$7,220.00
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	1,005.00	\$2.00	\$2,010.00	\$1.00	\$1,005.00	\$2.00	\$2,010.00
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	58.00	\$275.00	\$15,950.00	\$300.00	\$17,400.00	\$225.00	\$13,050.00
403.98	HOT BITUMINOUS CONCRETE LEVELING, MACHINE METHOD	TON	20.00	\$150.00	\$3,000.00	\$200.00	\$4,000.00	\$150.00	\$3,000.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	390.00	\$4.00	\$1,560.00	\$5.00	\$1,950.00	\$20.00	\$7,800.00
417.	GOLD PLANING BITUMINOUS SURFACES	SY	4,900.00	\$4.00	\$19,600.00	\$5.00	\$24,500.00	\$8.00	\$39,200.00
500.0201	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$35,000.00	\$35,000.00
500.0202	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$10,000.00	\$10,000.00	\$50,000.00	\$50,000.00	\$35,000.00	\$35,000.00
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$40,000.00	\$40,000.00	\$65,500.00	\$65,500.00	\$50,000.00	\$50,000.00
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$50,000.00	\$50,000.00	\$73,500.00	\$73,500.00	\$80,000.00	\$80,000.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	60.00	\$50.00	\$3,000.00	\$25.00	\$1,500.00	\$25.00	\$1,500.00
511.00	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	985.00	\$20.00	\$19,700.00	\$25.00	\$24,625.00	\$17.00	\$16,745.00
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	140.00	\$375.00	\$52,500.00	\$250.00	\$35,000.00	\$540.00	\$75,600.00
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	70.00	\$500.00	\$35,000.00	\$640.00	\$44,800.00	\$550.00	\$38,500.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	30.00	\$600.00	\$18,000.00	\$650.00	\$19,500.00	\$440.00	\$13,200.00
520.01	CONCRETE CLASS AA	CY	25.00	\$1,500.00	\$37,500.00	\$581.00	\$14,525.00	\$1,750.00	\$43,750.00
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	75.00	\$2,000.00	\$150,000.00	\$1,396.00	\$104,700.00	\$1,850.00	\$138,750.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	70.00	\$95.00	\$6,650.00	\$100.00	\$7,000.00	\$75.00	\$5,250.00
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	14.00	\$50.00	\$700.00	\$50.00	\$700.00	\$35.00	\$490.00
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	976.00	\$35.00	\$34,160.00	\$40.00	\$39,040.00	\$34.00	\$33,184.00
544.01	REINFORCING STEEL	LB	6,500.00	\$2.00	\$13,000.00	\$2.50	\$16,250.00	\$2.00	\$13,000.00
544.11	REINFORCING STEEL - MECHANICAL CONNECTORS (F)	LB	100.00	\$6.00	\$600.00	\$2.54	\$254.00	\$3.00	\$300.00
556.101	PAINTING EXISTING STRUCTURAL STEEL	U	1.00	\$100,000.00	\$100,000.00	\$238,000.00	\$238,000.00	\$250,000.00	\$250,000.00
556.201	CONTAINMENT AND ENVIRONMENT PROTECTION	U	1.00	\$90,000.00	\$90,000.00	\$62,000.00	\$62,000.00	\$75,000.00	\$75,000.00
556.301	WORKER PROTECTION	U	1.00	\$6,000.00	\$6,000.00	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00
556.401	WASTE MANAGEMENT	U	1.00	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00
560.1001	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT (F)	LF	43.00	\$650.00	\$27,950.00	\$810.00	\$34,830.00	\$560.00	\$24,080.00
562.1	SILICONE JOINT SEALANT (F)	LF	405.00	\$25.00	\$10,125.00	\$15.00	\$6,075.00	\$15.00	\$6,075.00
563.23	BRIDGE RAIL T3	LF	123.00	\$160.00	\$19,680.00	\$148.00	\$18,204.00	\$150.00	\$18,450.00
565.232	BRIDGE APPROACH RAIL T3 (STEEL POSTS)	U	4.00	\$6,000.00	\$24,000.00	\$5,675.00	\$22,700.00	\$6,000.00	\$24,000.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	5.00	\$500.00	\$2,500.00	\$600.00	\$3,000.00	\$300.00	\$1,500.00
606.12551	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2-25) (STEEL POST)	U	2.00	\$2,000.00	\$4,000.00	\$2,050.00	\$4,100.00	\$2,100.00	\$4,200.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	910.00	\$30.00	\$27,300.00	\$28.50	\$25,935.00	\$45.00	\$40,950.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	6.00	\$5,000.00	\$30,000.00	\$2,825.00	\$16,950.00	\$3,500.00	\$21,000.00

Items

Item No.	Description	Unit	Quantity	PS&E			EVROKS CORP. 23 INDUSTRIAL DRIVE NORTHFIELD, NH 03276			BUCK T. CONSTRUCTION, INC. 302B ALBURN ROAD TURNER, ME 04282		
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	
609.01	STRAIGHT GRANITE CURB	LF	130.00	\$25.00	\$3,250.00	\$50.00	\$6,500.00	\$31.00	\$4,030.00			
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$25,000.00	\$25,000.00	\$43,200.00	\$43,200.00	\$17,500.00	\$17,500.00			
616.172	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$25,000.00	\$25,000.00	\$48,300.00	\$48,300.00	\$17,500.00	\$17,500.00			
616.173	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$30,000.00	\$30,000.00	\$24,000.00	\$24,000.00	\$17,500.00	\$17,500.00			
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	32,000.00	\$1.00	\$32,000.00	\$1.00	\$32,000.00	\$1.00	\$32,000.00			
618.7	FLAGGERS	HR	700.00	\$22.00	\$15,400.00	\$26.50	\$18,550.00	\$28.00	\$19,600.00			
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$30,000.00	\$30,000.00	\$45,000.00	\$45,000.00	\$25,000.00	\$25,000.00			
619.253	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UWK	8.00	\$200.00	\$1,600.00	\$300.00	\$2,400.00	\$250.00	\$2,000.00			
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	10.00	\$4.00	\$40.00	\$5.00	\$50.00	\$5.00	\$50.00			
621.31	SINGLE DELINEATOR WITH POST	EA	4.00	\$35.00	\$140.00	\$40.00	\$160.00	\$40.00	\$160.00			
628.2	SAWED BITUMINOUS PAVEMENT	LF	408.00	\$2.00	\$816.00	\$2.00	\$816.00	\$5.00	\$2,040.00			
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	12,900.00	\$0.50	\$6,450.00	\$0.18	\$2,322.00	\$0.25	\$3,225.00			
632.0118	RETROREFLECTIVE PAINT PAVE. MARKING, 18" LINE	LF	145.00	\$1.50	\$217.50	\$3.00	\$435.00	\$4.00	\$580.00			
632.1104	PERFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	7,550.00	\$2.00	\$15,100.00	\$1.71	\$12,910.50	\$4.00	\$30,200.00			
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	5,550.00	\$0.50	\$2,775.00	\$0.75	\$4,162.50	\$1.00	\$5,550.00			
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	500.00	\$5.00	\$2,500.00	\$4.00	\$2,000.00	\$5.00	\$2,500.00			
645.531	SILT FENCE	LF	500.00	\$2.50	\$1,250.00	\$3.00	\$1,500.00	\$5.00	\$2,500.00			
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	800.00	\$5.00	\$4,000.00	\$12.00	\$9,600.00	\$7.00	\$5,600.00			
670.104	TEMPORARY PORTABLE LIGHTING	U	6.00	\$5,000.00	\$30,000.00	\$2,200.00	\$13,200.00	\$3,500.00	\$21,000.00			
692.	MOBILIZATION	U	1.00	\$135,000.00	\$135,000.00	\$119,000.00	\$119,000.00	\$168,060.00	\$168,060.00			
698.13	FIELD OFFICE TYPE C	MON	10.00	\$2,000.00	\$20,000.00	\$1,690.00	\$16,900.00	\$1,100.00	\$11,000.00			
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	13,000.00	\$1.00	\$13,000.00	\$1.00	\$13,000.00	\$1.00	\$13,000.00			
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	55,000.00	\$1.00	\$55,000.00	\$1.00	\$55,000.00	\$1.00	\$55,000.00			
1010.15	FUEL ADJUSTMENT	\$	6,000.00	\$1.00	\$6,000.00	\$1.00	\$6,000.00	\$1.00	\$6,000.00			
Totals:					\$1,409,033.50		\$1,564,424.00		\$1,682,199.00			
Totals:					\$1,409,033.50		\$1,564,424.00		\$1,682,199.00			

Item No.	Description	Unit	Quantity	PS&E		MILLER CONSTRUCTION, INC. 3103 US RT 5 SOUTH WINDSOR, VT 05093-0066		PIPER, R. M. INC. 147 SMITH BRIDGE RD PLYMOUTH, NH 03264-0490	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
202.7	REMOVAL OF GUARDRAIL	LF	170.00	\$2.00	\$340.00	\$5.00	\$850.00	\$2.00	\$340.00
304.3	CRUSHED GRAVEL (F)	CY	42.00	\$75.00	\$3,150.00	\$65.00	\$2,730.00	\$50.00	\$2,100.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	530.00	\$110.00	\$58,300.00	\$145.00	\$76,850.00	\$140.00	\$74,200.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	20.00	\$350.00	\$7,000.00	\$250.00	\$5,000.00	\$210.00	\$4,200.00
403.6	PAVEMENT JOINT ADHESIVE	LF	3,610.00	\$2.00	\$7,220.00	\$1.00	\$3,610.00	\$0.55	\$1,985.50
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	1,005.00	\$2.00	\$2,010.00	\$1.50	\$1,507.50	\$1.10	\$1,105.50
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	58.00	\$275.00	\$15,950.00	\$340.00	\$19,720.00	\$320.00	\$18,560.00
403.98	HOT BITUMINOUS CONCRETE LEVELING, MACHINE METHOD	TON	20.00	\$150.00	\$3,000.00	\$250.00	\$5,000.00	\$210.00	\$4,200.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	390.00	\$4.00	\$1,560.00	\$7.00	\$2,730.00	\$5.50	\$2,145.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	4,900.00	\$4.00	\$19,600.00	\$6.00	\$29,400.00	\$5.50	\$26,950.00
500.0201	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$20,000.00	\$20,000.00	\$16,000.00	\$16,000.00	\$35,000.00	\$35,000.00
500.0202	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$10,000.00	\$10,000.00	\$52,000.00	\$52,000.00	\$35,000.00	\$35,000.00
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$40,000.00	\$40,000.00	\$37,000.00	\$37,000.00	\$60,000.00	\$60,000.00
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$50,000.00	\$50,000.00	\$110,000.00	\$110,000.00	\$148,000.00	\$148,000.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	60.00	\$50.00	\$3,000.00	\$55.00	\$3,300.00	\$75.00	\$4,500.00
511.00	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	985.00	\$20.00	\$19,700.00	\$22.00	\$21,670.00	\$25.00	\$24,625.00
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	140.00	\$375.00	\$52,500.00	\$300.00	\$42,000.00	\$425.00	\$59,500.00
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	70.00	\$500.00	\$35,000.00	\$450.00	\$31,500.00	\$700.00	\$49,000.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	30.00	\$600.00	\$18,000.00	\$800.00	\$24,000.00	\$700.00	\$21,000.00
520.01	CONCRETE CLASS AA	CY	25.00	\$1,500.00	\$37,500.00	\$1,200.00	\$30,000.00	\$850.00	\$21,250.00
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	75.00	\$2,000.00	\$150,000.00	\$2,067.00	\$155,025.00	\$1,500.00	\$112,500.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	70.00	\$95.00	\$6,650.00	\$65.00	\$4,550.00	\$100.00	\$7,000.00
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	14.00	\$50.00	\$700.00	\$100.00	\$1,400.00	\$50.00	\$700.00
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	976.00	\$35.00	\$34,160.00	\$37.00	\$36,112.00	\$38.00	\$37,088.00
544.01	REINFORCING STEEL	LB	6,500.00	\$2.00	\$13,000.00	\$1.50	\$9,750.00	\$1.50	\$9,750.00
544.11	REINFORCING STEEL - MECHANICAL CONNECTORS (F)	LB	100.00	\$6.00	\$600.00	\$3.00	\$300.00	\$10.00	\$1,000.00
556.101	PAINTING EXISTING STRUCTURAL STEEL	U	1.00	\$100,000.00	\$100,000.00	\$269,500.00	\$269,500.00	\$250,000.00	\$250,000.00
556.201	CONTAINMENT AND ENVIRONMENT PROTECTION	U	1.00	\$90,000.00	\$90,000.00	\$69,500.00	\$69,500.00	\$65,000.00	\$65,000.00
556.301	WORKER PROTECTION	U	1.00	\$6,000.00	\$6,000.00	\$15,000.00	\$15,000.00	\$10,500.00	\$10,500.00
556.401	WASTE MANAGEMENT	U	1.00	\$4,000.00	\$4,000.00	\$7,000.00	\$7,000.00	\$5,300.00	\$5,300.00
560.1001	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT (F)	LF	43.00	\$650.00	\$27,950.00	\$475.00	\$20,425.00	\$700.00	\$30,100.00
562.1	SILICONE JOINT SEALANT (F)	LF	405.00	\$25.00	\$10,125.00	\$15.00	\$6,075.00	\$20.00	\$8,100.00
563.23	BRIDGE RAIL T3	LF	123.00	\$160.00	\$19,680.00	\$160.00	\$19,680.00	\$150.00	\$18,450.00
565.232	BRIDGE APPROACH RAIL T3 (STEEL POSTS)	U	4.00	\$6,000.00	\$24,000.00	\$6,000.00	\$24,000.00	\$6,000.00	\$24,000.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	5.00	\$500.00	\$2,500.00	\$400.00	\$2,000.00	\$400.00	\$2,000.00
606.12551	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2 - 25') (STEEL POST)	U	2.00	\$2,000.00	\$4,000.00	\$2,500.00	\$5,000.00	\$2,200.00	\$4,400.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	910.00	\$30.00	\$27,300.00	\$35.00	\$31,850.00	\$34.00	\$30,940.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	6.00	\$5,000.00	\$30,000.00	\$4,500.00	\$27,000.00	\$4,500.00	\$27,000.00

Items

Item No.	Description	Unit	Quantity	PS&E		MILLER CONSTRUCTION, INC. 145 HIGH BRIDGE RD WINDSOR, VT 05089-0086		PIPER, R. M. INC. 145 HIGH BRIDGE RD PLYMOUTH, NH 03264-0490	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
609.01	STRAIGHT GRANITE CURB	LF	130.00	\$25.00	\$3,250.00	\$36.00	\$4,680.00	\$40.00	\$5,200.00
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$25,000.00	\$25,000.00	\$30,000.00	\$30,000.00	\$35,000.00	\$35,000.00
616.172	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$25,000.00	\$25,000.00	\$30,000.00	\$30,000.00	\$35,000.00	\$35,000.00
616.173	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$35,000.00	\$35,000.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	32,000.00	\$1.00	\$32,000.00	\$1.00	\$32,000.00	\$1.00	\$32,000.00
618.7	FLAGGERS	HR	700.00	\$22.00	\$15,400.00	\$31.00	\$21,700.00	\$30.00	\$21,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$30,000.00	\$30,000.00	\$90,000.00	\$90,000.00	\$60,000.00	\$60,000.00
619.253	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UWK	8.00	\$200.00	\$1,600.00	\$350.00	\$2,800.00	\$600.00	\$4,800.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	10.00	\$4.00	\$40.00	\$10.00	\$100.00	\$5.25	\$52.50
621.31	SINGLE DELINEATOR WITH POST	EA	4.00	\$35.00	\$140.00	\$50.00	\$200.00	\$40.00	\$160.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	408.00	\$2.00	\$816.00	\$4.00	\$1,632.00	\$2.00	\$816.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	12,900.00	\$0.50	\$6,450.00	\$0.25	\$3,225.00	\$0.30	\$3,870.00
632.0118	RETROREFLECTIVE PAINT PAVE. MARKING, 18" LINE	LF	145.00	\$1.50	\$217.50	\$3.50	\$507.50	\$0.55	\$79.75
632.1104	PERFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	7,550.00	\$2.00	\$15,100.00	\$2.15	\$16,232.50	\$1.60	\$12,080.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	5,550.00	\$0.50	\$2,775.00	\$0.80	\$4,440.00	\$1.00	\$5,550.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	500.00	\$5.00	\$2,500.00	\$5.00	\$2,500.00	\$7.00	\$3,500.00
645.531	SILT FENCE	LF	500.00	\$2.50	\$1,250.00	\$3.00	\$1,500.00	\$3.00	\$1,500.00
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	600.00	\$5.00	\$4,000.00	\$10.00	\$8,000.00	\$6.00	\$4,800.00
670.104	TEMPORARY PORTABLE LIGHTING	U	6.00	\$5,000.00	\$30,000.00	\$4,200.00	\$25,200.00	\$3,500.00	\$21,000.00
692.	MOBILIZATION	U	1.00	\$135,000.00	\$135,000.00	\$115,000.00	\$115,000.00	\$150,000.00	\$150,000.00
698.13	FIELD OFFICE TYPE C	MON	10.00	\$2,000.00	\$20,000.00	\$2,500.00	\$25,000.00	\$1,200.00	\$12,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	13,000.00	\$1.00	\$13,000.00	\$1.00	\$13,000.00	\$1.00	\$13,000.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	55,000.00	\$1.00	\$55,000.00	\$1.00	\$55,000.00	\$1.00	\$55,000.00
1010.15	FUEL ADJUSTMENT	\$	6,000.00	\$1.00	\$6,000.00	\$1.00	\$6,000.00	\$1.00	\$6,000.00
Totals:					\$1,409,033.50	\$1,737,751.50	\$1,754,897.25		
Totals:					\$1,409,033.50	\$1,737,751.50	\$1,754,897.25		

Item No.	Description	Unit	Quantity	PS&E		DANIELS, NEIL H. INC. 4009 ROUTE 8 SOUTH ASCUTNEY, VT 05030-0246		CPM CONSTRUCTORS INC 30 BONNEY STREET FREEPORT, ME 04032	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

202.7	REMOVAL OF GUARDRAIL	LF	170.00	\$2.00	\$340.00	\$4.00	\$680.00	\$2.00	\$340.00
304.3	CRUSHED GRAVEL (F)	CY	42.00	\$75.00	\$3,150.00	\$100.00	\$4,200.00	\$74.00	\$3,108.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	530.00	\$110.00	\$58,300.00	\$135.00	\$71,550.00	\$154.00	\$81,620.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	20.00	\$350.00	\$7,000.00	\$200.00	\$4,000.00	\$189.00	\$3,780.00
403.6	PAVEMENT JOINT ADHESIVE	LF	3,610.00	\$2.00	\$7,220.00	\$3.00	\$10,830.00	\$0.36	\$1,299.60
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	1,005.00	\$2.00	\$2,010.00	\$6.00	\$6,030.00	\$7.00	\$7,035.00
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	58.00	\$275.00	\$15,950.00	\$325.00	\$18,850.00	\$211.00	\$12,238.00
403.98	HOT BITUMINOUS CONCRETE LEVELING, MACHINE METHOD	TON	20.00	\$150.00	\$3,000.00	\$200.00	\$4,000.00	\$211.00	\$4,220.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	390.00	\$4.00	\$1,560.00	\$10.00	\$3,900.00	\$14.00	\$5,460.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	4,900.00	\$4.00	\$19,600.00	\$6.00	\$29,400.00	\$6.00	\$29,400.00
500.0201	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$20,000.00	\$20,000.00	\$10,000.00	\$10,000.00	\$30,962.00	\$30,962.00
500.0202	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$10,000.00	\$10,000.00	\$100,000.00	\$100,000.00	\$76,599.00	\$76,599.00
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$40,000.00	\$40,000.00	\$50,000.00	\$50,000.00	\$14,499.00	\$14,499.00
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$50,000.00	\$50,000.00	\$100,000.00	\$100,000.00	\$81,763.00	\$81,763.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	60.00	\$50.00	\$3,000.00	\$50.00	\$3,000.00	\$30.00	\$1,800.00
511.00	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	985.00	\$20.00	\$19,700.00	\$25.00	\$24,625.00	\$24.00	\$23,640.00
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	140.00	\$375.00	\$52,500.00	\$200.00	\$28,000.00	\$382.00	\$53,480.00
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	70.00	\$500.00	\$35,000.00	\$350.00	\$24,500.00	\$622.00	\$43,540.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II CONCRETE CLASS AA	SY	30.00	\$600.00	\$18,000.00	\$800.00	\$24,000.00	\$682.00	\$20,460.00
520.01	CONCRETE CLASS AA	CY	25.00	\$1,500.00	\$37,500.00	\$1,000.00	\$25,000.00	\$903.00	\$22,575.00
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	75.00	\$2,000.00	\$150,000.00	\$1,500.00	\$112,500.00	\$3,420.00	\$256,500.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	70.00	\$95.00	\$6,650.00	\$95.00	\$6,650.00	\$114.00	\$7,980.00
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	14.00	\$60.00	\$700.00	\$45.00	\$630.00	\$64.00	\$896.00
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	976.00	\$35.00	\$34,160.00	\$45.00	\$43,920.00	\$45.00	\$43,920.00
544.01	REINFORCING STEEL	LB	6,500.00	\$2.00	\$13,000.00	\$2.00	\$13,000.00	\$4.00	\$26,000.00
544.11	REINFORCING STEEL - MECHANICAL CONNECTORS (F)	LB	100.00	\$6.00	\$600.00	\$10.00	\$1,000.00	\$6.00	\$600.00
556.101	PAINTING EXISTING STRUCTURAL STEEL	U	1.00	\$100,000.00	\$100,000.00	\$285,000.00	\$285,000.00	\$287,377.00	\$287,377.00
556.201	CONTAINMENT AND ENVIRONMENT PROTECTION	U	1.00	\$90,000.00	\$90,000.00	\$75,000.00	\$75,000.00	\$74,863.00	\$74,863.00
556.301	WORKER PROTECTION	U	1.00	\$6,000.00	\$6,000.00	\$12,000.00	\$12,000.00	\$12,075.00	\$12,075.00
556.401	WASTE MANAGEMENT	U	1.00	\$4,000.00	\$4,000.00	\$7,500.00	\$7,500.00	\$6,037.00	\$6,037.00
560.1001	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT (F)	LF	43.00	\$650.00	\$27,950.00	\$700.00	\$30,100.00	\$721.00	\$31,003.00
562.1	SILICONE JOINT SEALANT (F)	LF	405.00	\$25.00	\$10,125.00	\$25.00	\$10,125.00	\$7.00	\$2,835.00
563.23	BRIDGE RAIL T3	LF	123.00	\$160.00	\$19,680.00	\$170.00	\$20,910.00	\$172.00	\$21,156.00
565.232	BRIDGE APPROACH RAIL T3 (STEEL POSTS)	U	4.00	\$6,000.00	\$24,000.00	\$6,500.00	\$26,000.00	\$6,852.00	\$27,408.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	5.00	\$500.00	\$2,500.00	\$500.00	\$2,500.00	\$504.00	\$2,520.00
606.12551	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2-25) (STEEL POST)	U	2.00	\$2,000.00	\$4,000.00	\$2,500.00	\$5,000.00	\$2,475.00	\$4,950.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	910.00	\$30.00	\$27,300.00	\$45.00	\$40,950.00	\$39.00	\$35,490.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	6.00	\$5,000.00	\$30,000.00	\$7,500.00	\$45,000.00	\$2,394.00	\$14,364.00

Item No.	Description	Unit	Quantity	PS&E		DANIELS, NEIL H. INC. 4409 ROUTE 6 SOUTH ASCUTNEY, VT 05030-0246		CPM CONSTRUCTORS INC 30 BONNEY STREET FREEPORT, ME 04032	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
609.01	STRAIGHT GRANITE CURB	LF	130.00	\$25.00	\$3,250.00	\$50.00	\$6,500.00	\$57.00	\$7,410.00
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$25,000.00	\$25,000.00	\$30,000.00	\$30,000.00	\$23,748.00	\$23,748.00
616.172	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$25,000.00	\$25,000.00	\$30,000.00	\$30,000.00	\$35,410.00	\$35,410.00
616.173	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$30,000.00	\$30,000.00	\$25,000.00	\$25,000.00	\$35,410.00	\$35,410.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	32,000.00	\$1.00	\$32,000.00	\$1.00	\$32,000.00	\$1.00	\$32,000.00
618.7	FLAGGERS	HR	700.00	\$22.00	\$15,400.00	\$35.00	\$24,500.00	\$35.00	\$24,500.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$30,000.00	\$30,000.00	\$100,000.00	\$100,000.00	\$60,431.00	\$60,431.00
619.263	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UWK	8.00	\$2,000.00	\$1,600.00	\$750.00	\$6,000.00	\$1,141.00	\$9,128.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	10.00	\$4.00	\$40.00	\$6.00	\$60.00	\$6.00	\$60.00
621.31	SINGLE DELINEATOR WITH POST	EA	4.00	\$35.00	\$140.00	\$48.00	\$192.00	\$48.00	\$192.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	408.00	\$2.00	\$816.00	\$5.00	\$2,040.00	\$5.00	\$2,040.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	12,900.00	\$0.50	\$6,450.00	\$1.00	\$12,900.00	\$0.36	\$4,644.00
632.0118	RETROREFLECTIVE PAINT PAVE. MARKING, 18" LINE	LF	145.00	\$1.50	\$217.50	\$3.00	\$435.00	\$2.00	\$290.00
632.1104	PERFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	7,550.00	\$2.00	\$15,100.00	\$2.50	\$18,875.00	\$2.00	\$15,100.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	5,550.00	\$0.50	\$2,775.00	\$1.00	\$5,550.00	\$2.00	\$11,100.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	500.00	\$5.00	\$2,500.00	\$5.00	\$2,500.00	\$6.00	\$3,000.00
645.531	SILT FENCE	LF	500.00	\$2.50	\$1,250.00	\$3.00	\$1,500.00	\$4.00	\$2,000.00
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	800.00	\$5.00	\$4,000.00	\$5.00	\$4,000.00	\$10.00	\$8,000.00
670.104	TEMPORARY PORTABLE LIGHTING	U	6.00	\$5,000.00	\$30,000.00	\$3,500.00	\$21,000.00	\$4,859.00	\$29,154.00
692.	MOBILIZATION	U	1.00	\$135,000.00	\$135,000.00	\$150,000.00	\$150,000.00	\$200,000.00	\$200,000.00
698.13	FIELD OFFICE TYPE C	MON	10.00	\$2,000.00	\$20,000.00	\$2,500.00	\$25,000.00	\$2,102.00	\$21,020.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	13,000.00	\$1.00	\$13,000.00	\$1.00	\$13,000.00	\$1.00	\$13,000.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	55,000.00	\$1.00	\$55,000.00	\$1.00	\$55,000.00	\$1.00	\$55,000.00
1010.15	FUEL ADJUSTMENT	\$	6,000.00	\$1.00	\$6,000.00	\$1.00	\$6,000.00	\$1.00	\$6,000.00
Totals:					\$1,409,033.50		\$1,852,402.00		\$1,972,429.60
Totals:					\$1,409,033.50		\$1,852,402.00		\$1,972,429.60

PS&E Comparison

ANDOVER-DANBURY

41298

X-A004(590)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
202.7	REMOVAL OF GUARDRAIL	LF	170.00	\$3.00	\$510.00	\$2.00	\$340.00	\$170.00
304.3	CRUSHED GRAVEL (F)	CY	42.00	\$55.00	\$2,310.00	\$75.00	\$3,150.00	(\$840.00)
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	530.00	\$125.00	\$66,250.00	\$110.00	\$58,300.00	\$7,950.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	20.00	\$200.00	\$4,000.00	\$350.00	\$7,000.00	(\$3,000.00)
403.6	PAVEMENT JOINT ADHESIVE	LF	3,610.00	\$0.50	\$1,805.00	\$2.00	\$7,220.00	(\$5,415.00)
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	1,005.00	\$1.00	\$1,005.00	\$2.00	\$2,010.00	(\$1,005.00)
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	58.00	\$300.00	\$17,400.00	\$275.00	\$15,950.00	\$1,450.00
403.98	HOT BITUMINOUS CONCRETE LEVELING, MACHINE METHOD	TON	20.00	\$200.00	\$4,000.00	\$150.00	\$3,000.00	\$1,000.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	390.00	\$5.00	\$1,950.00	\$4.00	\$1,560.00	\$390.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	4,900.00	\$5.00	\$24,500.00	\$4.00	\$19,600.00	\$4,900.00
500.0201	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$0.00
500.0202	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$50,000.00	\$50,000.00	\$10,000.00	\$10,000.00	\$40,000.00
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$65,500.00	\$65,500.00	\$40,000.00	\$40,000.00	\$25,500.00
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$73,500.00	\$73,500.00	\$50,000.00	\$50,000.00	\$23,500.00

Items

504.1	COMMON BRIDGE EXCAVATION (F)	CY	60.00	\$25.00	\$1,500.00	\$50.00	\$3,000.00	(\$1,500.00)
511.00	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	985.00	\$25.00	\$24,625.00	\$20.00	\$19,700.00	\$4,925.00
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	140.00	\$250.00	\$35,000.00	\$375.00	\$52,500.00	(\$17,500.00)
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	70.00	\$640.00	\$44,800.00	\$500.00	\$35,000.00	\$9,800.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	30.00	\$650.00	\$19,500.00	\$600.00	\$18,000.00	\$1,500.00
520.01	CONCRETE CLASS AA	CY	25.00	\$581.00	\$14,525.00	\$1,500.00	\$37,500.00	(\$22,975.00)
520.0201	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	75.00	\$1,396.00	\$104,700.00	\$2,000.00	\$150,000.00	(\$45,300.00)
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	70.00	\$100.00	\$7,000.00	\$95.00	\$6,650.00	\$350.00
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	14.00	\$50.00	\$700.00	\$50.00	\$700.00	\$0.00
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	976.00	\$40.00	\$39,040.00	\$35.00	\$34,160.00	\$4,880.00
544.01	REINFORCING STEEL	LB	6,500.00	\$2.50	\$16,250.00	\$2.00	\$13,000.00	\$3,250.00
544.11	REINFORCING STEEL- MECHANICAL CONNECTORS (F)	LB	100.00	\$2.54	\$254.00	\$6.00	\$600.00	(\$346.00)
556.101	PAINTING EXISTING STRUCTURAL STEEL	U	1.00	\$238,000.00	\$238,000.00	\$100,000.00	\$100,000.00	\$138,000.00
556.201	CONTAINMENT AND ENVIRONMENT PROTECTION	U	1.00	\$62,000.00	\$62,000.00	\$90,000.00	\$90,000.00	(\$28,000.00)
556.301	WORKER PROTECTION	U	1.00	\$10,000.00	\$10,000.00	\$6,000.00	\$6,000.00	\$4,000.00
556.401	WASTE MANAGEMENT	U	1.00	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00	\$1,000.00
560.1001	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT (F)	LF	43.00	\$810.00	\$34,830.00	\$650.00	\$27,950.00	\$6,880.00
562.1	SILICONE JOINT SEALANT (F)	LF	405.00	\$15.00	\$6,075.00	\$25.00	\$10,125.00	(\$4,050.00)
563.23	BRIDGE RAIL T3	LF	123.00	\$148.00	\$18,204.00	\$160.00	\$19,680.00	(\$1,476.00)
565.232	BRIDGE APPROACH RAIL T3 (STEEL POSTS)	U	4.00	\$5,675.00	\$22,700.00	\$6,000.00	\$24,000.00	(\$1,300.00)
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	5.00	\$600.00	\$3,000.00	\$500.00	\$2,500.00	\$500.00
606.12551	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGR1, TL 2 - 25') (STEEL POST)	U	2.00	\$2,050.00	\$4,100.00	\$2,000.00	\$4,000.00	\$100.00

606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	910.00	\$28.50	\$25,935.00	\$30.00	\$27,300.00	(\$1,365.00)
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	6.00	\$2,825.00	\$16,950.00	\$5,000.00	\$30,000.00	(\$13,050.00)
609.01	STRAIGHT GRANITE CURB	LF	130.00	\$50.00	\$6,500.00	\$25.00	\$3,250.00	\$3,250.00
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$43,200.00	\$43,200.00	\$25,000.00	\$25,000.00	\$18,200.00
616.172	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$48,300.00	\$48,300.00	\$25,000.00	\$25,000.00	\$23,300.00
616.173	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$24,000.00	\$24,000.00	\$30,000.00	\$30,000.00	(\$6,000.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	32,000.00	\$1.00	\$32,000.00	\$1.00	\$32,000.00	\$0.00
618.7	FLAGGERS	HR	700.00	\$26.50	\$18,550.00	\$22.00	\$15,400.00	\$3,150.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$45,000.00	\$45,000.00	\$30,000.00	\$30,000.00	\$15,000.00
619.253	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UWK	8.00	\$300.00	\$2,400.00	\$200.00	\$1,600.00	\$800.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	10.00	\$5.00	\$50.00	\$4.00	\$40.00	\$10.00
621.31	SINGLE DELINEATOR WITH POST	EA	4.00	\$40.00	\$160.00	\$35.00	\$140.00	\$20.00
628.2	SAVED BITUMINOUS PAVEMENT	LF	408.00	\$2.00	\$816.00	\$2.00	\$816.00	\$0.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	12,900.00	\$0.18	\$2,322.00	\$0.50	\$6,450.00	(\$4,128.00)
632.0118	RETROREFLECTIVE PAINT PAVE. MARKING, 18" LINE	LF	145.00	\$3.00	\$435.00	\$1.50	\$217.50	\$217.50
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	7,550.00	\$1.71	\$12,910.50	\$2.00	\$15,100.00	(\$2,189.50)
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	5,550.00	\$0.75	\$4,162.50	\$0.50	\$2,775.00	\$1,387.50
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	500.00	\$4.00	\$2,000.00	\$5.00	\$2,500.00	(\$500.00)
645.531	SILT FENCE	LF	500.00	\$3.00	\$1,500.00	\$2.50	\$1,250.00	\$250.00
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	800.00	\$12.00	\$9,600.00	\$5.00	\$4,000.00	\$5,600.00
670.104	TEMPORARY PORTABLE LIGHTING	U	6.00	\$2,200.00	\$13,200.00	\$5,000.00	\$30,000.00	(\$16,800.00)
692.	MOBILIZATION	U	1.00	\$119,000.00	\$119,000.00	\$135,000.00	\$135,000.00	(\$16,000.00)
698.13	FIELD OFFICE TYPE C	MON	10.00	\$1,690.00	\$16,900.00	\$2,000.00	\$20,000.00	(\$3,100.00)

699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	13,000.00	\$1.00	\$13,000.00	\$1.00	\$13,000.00	\$0.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	55,000.00	\$1.00	\$55,000.00	\$1.00	\$55,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	6,000.00	\$1.00	\$6,000.00	\$1.00	\$6,000.00	\$0.00

Total: \$1,564,424.00 \$1,409,033.50 \$155,390.50



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
11/17/2017

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 CROSS INSURANCE - LACONIA 155 Court Street Laconia NH 03246		CONTACT NAME: Sarah Cullen, AINS, ACSR PHONE (A/C, No, Ext): (603) 524-2425 FAX (A/C, No): (603) 524-3666 E-MAIL ADDRESS: scullen@crossagency.com	
INSURED Evroks Corporation P.O. Box 669 Winnisquam NH 03289-0669		INSURER(S) AFFORDING COVERAGE INSURER A: Acadia Ins Co. NAIC # 31325 INSURER B: Union Insurance Company 25844 INSURER C: INSURER D: INSURER E: INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** CL1763015061 **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 GENL AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			CPA5248311-11	6/30/2017	6/30/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 250,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 GL Expansion Endorsement \$
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			CAA5248312-11	6/30/2017	6/30/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Uninsured motorist BI-single \$ 1,000,000
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			CUA5248313-11	6/30/2017	6/30/2018	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
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	WCA5248314-11	6/30/2017	6/30/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 RE: Andover-Danbury X-A004 (590), 41298

State of New Hampshire, Department of Transportation is named as additional insureds for ongoing operations when required in a written contract.

CERTIFICATE HOLDER State of New Hampshire Department of Transportation PO Box 483, 7 Hazen Drive Concord, NH 03302	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 S Cullen, AINS, ACSR/ <i>Sarah Cullen</i>
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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
11/17/2017

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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 CROSS INSURANCE - LACONIA 155 Court Street Laconia NH 03246		CONTACT NAME: Sarah Cullen, AINS, ACSR PHONE (A/C No, Ext): (603) 524-2425 E-MAIL ADDRESS: scullen@crossagency.com FAX (A/C No): (603) 524-3666	
		INSURER(S) AFFORDING COVERAGE INSURER A: Acadia Ins Co.	NAIC # 31325
INSURED State of New Hampshire Department of Transportation C/O Evroks Corp PO Box 669 Winnisquam NH 03289-0669		INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	

COVERAGES CERTIFICATE NUMBER: CL17111730833 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 GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			OCP-5323853	11/17/2017	5/17/2019	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 ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	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			PER STATUTE 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)
RE: Andover-Danbury X-A004(590), 41298

CERTIFICATE HOLDER State of New Hampshire Department of Transportation PO Box 483, 7 Hazen Drive Concord, NH 03302	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 S Cullen, AINS, ACSR/ <i>Sarah Cullen</i>
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