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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
October 4, 2018

REQUESTED ACTION

1. Authorize the Department of Transportation to enter into a contract with R.M. Piper, Inc. (Vendor 174180) of Plymouth, NH on the basis of a low bid of \$1,016,408.70 for bridge preservation work on the bridge that carries the US 1 bypass over Hodgson Brook in the City of Portsmouth, 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	\$516,408.70	\$500,000.00

2. Further authorize that a contingency in the amount of \$20,328.17 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 2% 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		\$20,328.17

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. 192/106, a 5-bay concrete box culvert, which carries the US 1 Bypass over Hodgson Brook in the City of Portsmouth. The traffic control lane shifts and paving will run 403' from Borthwick Ave at Sta. 107+39 to the Coakley/Cottage Street intersection at Sta. 111+42.

The box culvert preservation effort consists of ceiling repairs, primarily located to the first and last 5'-0" of each cell, where salt exposure was the greatest and full length wall repairs along the base. Also a portion of the 1966 mass gravity wall will be removed to provide room to construct a new moment slab and rail system.

The 4" lip in one of the box culvert cells will be removed to improve fish passage as well as adding some stream bed material to a small scour hole eliminating the existing perched condition.

The purpose of this project is to remove the 1940, 5-cell box culvert from the "Red List". This bridge is ranked 28th on the 2017 R&R Priority List, with an overall rating of 4 (poor). Originally this bridge was to be a bridge replacement project, but after meeting with the City and with the uncertainties of the future traffic circle road alignments it was re-scoped to be a Bridge Preservation project.

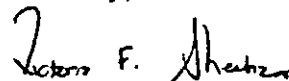
The contingency amount is proposed to be 2% of the contract amount due to the uncertainties of the rehabilitation limits.

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: \$1,028,481.20

Contract Amount: \$1,016,408.70

Under Estimate: \$ 12,072.50

Attachments

Ad: September 4, 2018

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project consists of bridge preservation work on Br. No. 192/106, a 5-bay concrete box culvert, which carries the US 1 Bypass over Hodgson Brook in the City of Portsmouth. The traffic control lane shifts and paving will run 403' from Borthwick Ave at Sta. 107+39 to the Coakley/Cottage Street intersection at Sta. 111+42.

The box culvert preservation effort consists of ceiling repairs, primarily located to the first and last 5'-0" of each cell, where salt exposure was the greatest and full length wall repairs along the base. Also a portion of the 1966 mass gravity wall will be removed to provide room to construct a new moment slab and rail system.

The 4" lip in one of the box culvert cells will be removed to improve fish passage as well as adding some stream bed material to a small scour hole eliminating the existing perched condition.

FEDERAL FUNDING: 80 % (Brdg-T1-2-Rehab – Rcn) utilizing Turnpike Toll credits as the State's 20% match

CONTINGENCY: The contingency amount is proposed to be 2% of the contract amount due to the uncertainties of the rehabilitation limits.

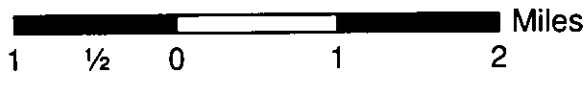
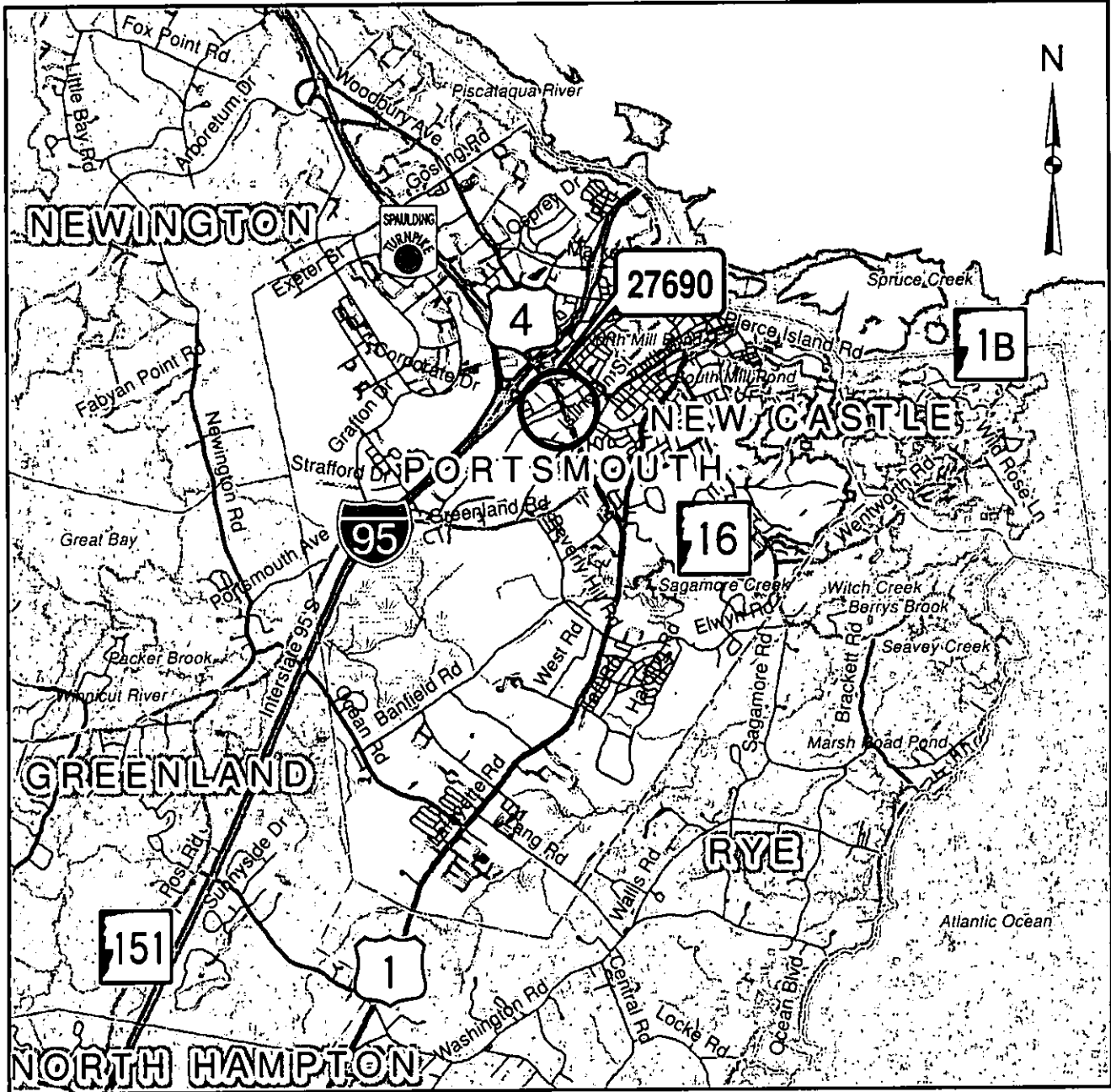
PROJECT INITIATED: Bridge Red List

PROJECT EXPLANATION: The purpose of this project is to remove the 1940, 5-cell box culvert from the "Red List". This bridge is ranked 28th on the 2017 R&R Priority List, with an overall rating of 4 (poor). Originally this bridge was to be a bridge replacement project, but after meeting with the City and with the uncertainties of the future traffic circle road alignments it was re-scoped to be a Bridge Preservation project.

TRAFFIC IMPLICATION: Beginning in the spring of 2019, the low volume left turn lane into the U-Haul will closed to allow room for lane shifts and a work zone in each phase. These shifts provide 4 lanes of traffic, (two in each direction) during construction. A preapproved short term lane will be allowed during low traffic flows for unloading precast concrete moment slab section. Minimum lane width is 11' occurring in phase one in the configuration of 2' shoulder, 11' lane, 11' lane & 2 ½' shoulder. The TCC meeting on July 19th 2018 found the Work Zone to be Non-Significant.

FINAL COMPLETION DATE: October 18 2019

Ports - US 1 Bypass over Hodgson Brk



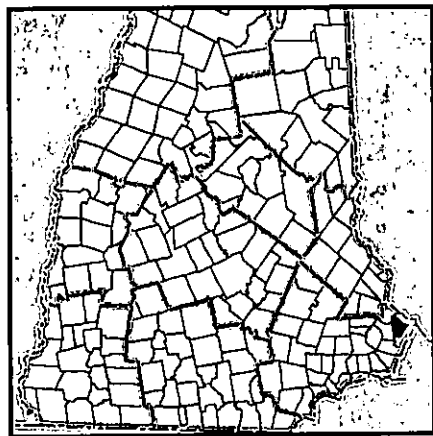
LEGEND

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

New Hampshire
DOT
 Department of Transportation

State #: 27690
 Federal #: X - A 003 (589)

LOCATION MAP





ABC Bid Data

PORTSMOUTH
27690
X-A003(589)

PROJECT: PORTSMOUTH
STATE PROJECT NUMBER: 27690
FED. PROJECT NUMBER: X-A003(589)
DATE BIDS OPEN: September 27, 2018,
SCOPE OF WORK: Culvert Rehabilitation, US 1 By-Pass over Hodgson Brook Br No 192/106
COMPLETION DATE: October 18, 2019
LOCATION: Rockingham

Awarded To: PIPER, R. M. INC.
141 SMITH BRIDGE RD
PLYMOUTH, NH 03264-0490

Amount: \$1,016,408.70
Award Date:
Certified by: PETER E. STAMNAS
Director of Project Development

Summary of Bidders

Contractor

	Bid Amount	Rank
PIPER, R. M. INC. 141 SMITH BRIDGE RD PO BOX 490 PLYMOUTH NH 03264-0490	\$1,016,408.70	A
SWETT, E. D. INC. 8 INDUSTRIAL PARK DR, CONCORD NH 03301-8512	\$1,127,604.00	B
EVROKS CORPORATION 23 INDUSTRIAL DRIVE NORTHFIELD NH 03276	\$1,199,431.00	C
CAIRNS, GEORGE R. & SON, INC. 8 LEDGE ROAD, WINDHAM NH 03087-1509	\$1,313,276.20	D

Item No.	Description	Unit	Quantity	P&A		PIPER, R. N. INC. 141 SMITH BRIDGE RD PLYMOUTH, NH 03264-0480		SWETT, E. D. INC. 8 INDUSTRIAL PARK DR CONCORD, NH 03301-8512	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

201.881	INVASIVE SPECIES CONTROL TYPE I	SY	15.00	\$10.00	\$150.00	\$10.00	\$150.00	\$30.00	\$450.00
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	15.00	\$10.00	\$150.00	\$10.00	\$150.00	\$30.00	\$450.00
202.7	REMOVAL OF GUARDRAIL	LF	140.00	\$2.50	\$350.00	\$3.00	\$420.00	\$3.00	\$420.00
203.1	COMMON EXCAVATION	CY	31.00	\$22.20	\$688.20	\$50.00	\$1,550.00	\$45.00	\$1,395.00
203.65552	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL 2	U	2.00	\$1,400.00	\$2,800.00	\$1,200.00	\$2,400.00	\$1,400.00	\$2,800.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	5.00	\$200.00	\$1,000.00	\$150.00	\$750.00	\$140.00	\$700.00
214.	FINE GRADING	U	1.00	\$5,000.00	\$5,000.00	\$6,700.00	\$6,700.00	\$2,500.00	\$2,500.00
304.399	TEMPORARY CRUSHED GRAVEL	CY	25.00	\$40.00	\$1,000.00	\$75.00	\$1,875.00	\$65.00	\$1,625.00
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	88.00	\$40.00	\$3,520.00	\$75.00	\$6,600.00	\$65.00	\$5,720.00
304.5	CRUSHED STONE (COARSE GRADATION) (F)	CY	196.00	\$40.00	\$7,840.00	\$75.00	\$14,700.00	\$65.00	\$12,740.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	120.00	\$185.00	\$22,200.00	\$180.00	\$21,600.00	\$175.00	\$21,000.00
403.119	HOT BITUMINOUS PAVEMENT, MACHINE METHOD, HIGH STRENGTH	TON	290.00	\$200.00	\$58,000.00	\$150.00	\$43,500.00	\$140.00	\$40,600.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	23.00	\$160.00	\$3,680.00	\$210.00	\$4,830.00	\$200.00	\$4,600.00
403.6	PAVEMENT JOINT ADHESIVE	LF	5,700.00	\$2.75	\$15,675.00	\$0.45	\$2,565.00	\$0.40	\$2,280.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	32.00	\$220.00	\$7,040.00	\$210.00	\$6,720.00	\$200.00	\$6,400.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	72.00	\$8.75	\$486.00	\$16.00	\$1,152.00	\$15.00	\$1,080.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	3,400.00	\$2.75	\$9,350.00	\$4.25	\$14,450.00	\$4.00	\$13,600.00
502.	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$150,000.00	\$150,000.00	\$170,000.00	\$170,000.00	\$250,000.00	\$250,000.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$50,000.00	\$50,000.00	\$48,500.00	\$48,500.00	\$15,000.00	\$15,000.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	125.00	\$60.00	\$7,500.00	\$40.00	\$5,000.00	\$45.00	\$5,625.00
508.	STRUCTURAL FILL	CY	40.00	\$65.00	\$2,600.00	\$55.00	\$2,200.00	\$90.00	\$3,600.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	45.00	\$800.00	\$36,000.00	\$250.00	\$11,250.00	\$500.00	\$22,500.00
520.01	CONCRETE CLASS AA	CY	55.00	\$1,000.00	\$55,000.00	\$1,200.00	\$66,000.00	\$2,317.00	\$127,435.00
529.903	PRECAST CONCRETE MOMENT SLAB	CY	100.00	\$1,300.00	\$130,000.00	\$1,200.00	\$120,000.00	\$1,346.22	\$134,622.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	15.00	\$100.00	\$1,500.00	\$110.00	\$1,650.00	\$75.00	\$1,125.00
538.1	BARRIER MEMBRANE, PEEL AND STICK (F)	SY	78.00	\$75.00	\$5,700.00	\$50.00	\$3,900.00	\$65.00	\$4,940.00
544.	REINFORCING STEEL (F)	LB	4,488.00	\$1.50	\$6,732.00	\$1.40	\$6,283.20	\$3.50	\$15,708.00
544.01	REINFORCING STEEL	LB	1,000.00	\$2.00	\$2,000.00	\$3.00	\$3,000.00	\$2.50	\$2,500.00
562.1	SILICONE JOINT SEALANT (F)	LF	40.00	\$20.00	\$800.00	\$25.00	\$1,000.00	\$15.00	\$600.00
583.23	BRIDGE RAIL T3	LF	164.00	\$150.00	\$24,600.00	\$170.00	\$27,880.00	\$163.00	\$26,732.00

Item No.	Description	Unit	Quantity	P&E		PAPER, R. M. INC. 141 SMITH BRIDGE RD PLYMOUTH, NH 03264-0480		SWETT, E. D. INC. 4 INDUSTRIAL PARK DR CONCORD, NH 03301-4512	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
665.232	BRIDGE APPROACH RAIL T3 (STEEL POSTS)	U	4.00	\$6,000.00	\$24,000.00	\$6,300.00	\$25,200.00	\$5,935.00	\$23,740.00
685.3401	SIMULATED STREAMBED MATERIAL	CY	15.00	\$100.00	\$1,500.00	\$65.00	\$975.00	\$135.00	\$2,025.00
605.906	6" PIPE UNDERDRAIN (CONTRACTORS OPTION)	LF	200.00	\$50.00	\$10,000.00	\$15.00	\$3,000.00	\$45.00	\$9,000.00
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	2.00	\$2,200.00	\$4,400.00	\$2,700.00	\$5,400.00	\$2,550.00	\$5,100.00
606.18001	31" W-BEAM GUARDRAIL WITH 6" OFFSET BLOCK (STEEL POST)	LF	13.00	\$24.00	\$312.00	\$37.50	\$487.50	\$35.00	\$455.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	60.00	\$50.00	\$3,000.00	\$35.00	\$2,100.00	\$35.00	\$2,100.00
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	200.00	\$150.00	\$30,000.00	\$50.00	\$10,000.00	\$50.00	\$10,000.00
606.9522	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 2	U	2.00	\$4,000.00	\$8,000.00	\$3,500.00	\$7,000.00	\$3,500.00	\$7,000.00
608.28	6" CONCRETE SIDEWALK (F)	SY	140.00	\$50.00	\$7,000.00	\$70.00	\$9,800.00	\$50.00	\$7,000.00
609.01	STRAIGHT GRANITE CURB	LF	130.00	\$35.00	\$4,550.00	\$28.00	\$3,640.00	\$30.00	\$3,900.00
609.216	STRAIGHT GRANITE SLOPE CURB 6" HIGH	LF	600.00	\$23.00	\$13,800.00	\$26.50	\$15,900.00	\$30.00	\$18,000.00
615.034	RELOCATING TRAFFIC SIGN, TYPE C	U	7.00	\$300.00	\$2,100.00	\$300.00	\$2,100.00	\$100.00	\$700.00
615.064	RELOCATING TRAFFIC SIGN TYPE CC	U	5.00	\$64.00	\$320.00	\$90.00	\$450.00	\$100.00	\$500.00
616.191	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$21,200.00	\$21,200.00	\$17,500.00	\$17,500.00	\$11,290.00	\$11,290.00
616.192	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$5,675.00	\$5,675.00	\$17,500.00	\$17,500.00	\$11,290.00	\$11,290.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	22,500.00	\$1.00	\$22,500.00	\$1.00	\$22,500.00	\$1.00	\$22,500.00
618.7	FLAGGERS	HR	300.00	\$35.00	\$10,500.00	\$36.50	\$10,950.00	\$34.10	\$10,230.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$27,600.00	\$27,600.00	\$55,000.00	\$55,000.00	\$32,500.00	\$32,500.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$3,000.00	\$12,000.00	\$5,000.00	\$20,000.00	\$3,500.00	\$14,000.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	8.00	\$5.00	\$40.00	\$5.00	\$40.00	\$5.00	\$40.00
621.31	SINGLE DELINEATOR WITH POST	EA	4.00	\$55.00	\$220.00	\$47.50	\$190.00	\$45.00	\$180.00
621.32	DOUBLE DELINEATOR WITH POST	EA	2.00	\$48.00	\$96.00	\$50.00	\$100.00	\$48.00	\$96.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	870.00	\$2.00	\$1,740.00	\$2.25	\$1,957.50	\$2.50	\$2,175.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	5,700.00	\$0.53	\$3,021.00	\$0.53	\$3,021.00	\$0.50	\$2,850.00
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	140.00	\$2.00	\$280.00	\$4.25	\$595.00	\$4.00	\$560.00
632.12	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) SYMBOL OR WORD	SF	83.00	\$100.00	\$8,300.00	\$10.50	\$871.50	\$10.00	\$830.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	74.00	\$25.00	\$1,850.00	\$16.00	\$1,184.00	\$15.00	\$1,110.00
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	57.00	\$8.00	\$456.00	\$16.00	\$912.00	\$15.00	\$855.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	6,200.00	\$0.75	\$3,900.00	\$1.00	\$5,200.00	\$1.00	\$5,200.00
632.92	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD	SF	40.00	\$3.00	\$120.00	\$5.00	\$200.00	\$5.00	\$200.00
645.531	SILT FENCE	LF	200.00	\$3.00	\$600.00	\$3.00	\$600.00	\$5.00	\$1,000.00

Item No.	Description	Unit	Quantity	PS&E		PIPER, R. M. INC. 141 SMITH BRIDGE RD PLYMOUTH, NH 03254-0480		SWETT, E. D. INC. 8 INDUSTRIAL PARK DR CONCORD, NH 03301-8512	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$3,000.00	\$3,000.00	\$6,500.00	\$6,500.00	\$5,000.00	\$5,000.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	200.00	\$65.00	\$13,000.00	\$65.00	\$13,000.00	\$65.00	\$13,000.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	80.00	\$3.00	\$240.00	\$2.00	\$160.00	\$10.75	\$860.00
647.1	HUMUS	CY	140.00	\$20.00	\$2,800.00	\$25.00	\$3,500.00	\$52.00	\$7,280.00
670.104	TEMPORARY PORTABLE LIGHTING	U	1.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$7,500.00	\$7,500.00
692.	MOBILIZATION	U	1.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$101,791.00	\$101,791.00
698.12	FIELD OFFICE TYPE B	MON	14.00	\$2,000.00	\$28,000.00	\$800.00	\$11,200.00	\$1,500.00	\$21,000.00
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	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
1010.15	FUEL ADJUSTMENT	\$	21,000.00	\$1.00	\$21,000.00	\$1.00	\$21,000.00	\$1.00	\$21,000.00
Totals:					\$1,028,481.20		\$1,016,408.70		\$1,127,604.00
Alt. Totals:									
Totals:					\$1,028,481.20		\$1,016,408.70		\$1,127,604.00

Item No.	Description	Unit	Quantity	PS&E		EYRICKS CORPORATION 23 INDUSTRIAL DRIVE NORTHFIELD, NH 03276		CARRNS, GEORGE P. & SON, INC. 8 LEDGEE ROAD WINDHAM, NH 03097-1508	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

201.881	INVASIVE SPECIES CONTROL TYPE I	SY	15.00	\$10.00	\$150.00	\$25.00	\$375.00	\$28.00	\$420.00
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	15.00	\$10.00	\$150.00	\$25.00	\$375.00	\$28.00	\$420.00
202.7	REMOVAL OF GUARDRAIL	LF	140.00	\$2.50	\$350.00	\$3.00	\$420.00	\$3.30	\$462.00
203.1	COMMON EXCAVATION	CY	31.00	\$22.20	\$688.20	\$60.00	\$1,860.00	\$35.00	\$1,085.00
203.55552	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL Z	U	2.00	\$1,400.00	\$2,800.00	\$1,750.00	\$3,500.00	\$2,000.00	\$4,000.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	5.00	\$200.00	\$1,000.00	\$500.00	\$2,500.00	\$500.00	\$2,500.00
214.	FINE GRADING	U	1.00	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00	\$8,000.00	\$8,000.00
304.399	TEMPORARY CRUSHED GRAVEL	CY	25.00	\$40.00	\$1,000.00	\$80.00	\$2,000.00	\$105.00	\$2,625.00
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	88.00	\$40.00	\$3,520.00	\$75.00	\$6,600.00	\$48.00	\$4,224.00
304.5	CRUSHED STONE (COARSE GRADATION) (F)	CY	196.00	\$40.00	\$7,840.00	\$75.00	\$14,700.00	\$36.00	\$7,056.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	120.00	\$185.00	\$22,200.00	\$175.00	\$21,000.00	\$183.00	\$21,960.00
403.119	HOT BITUMINOUS PAVEMENT, MACHINE METHOD, HIGH STRENGTH	TON	290.00	\$200.00	\$58,000.00	\$150.00	\$43,500.00	\$138.00	\$40,020.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	23.00	\$180.00	\$3,680.00	\$350.00	\$8,050.00	\$183.00	\$4,209.00
403.6	PAVEMENT JOINT ADHESIVE	LF	5,700.00	\$2.75	\$15,675.00	\$0.40	\$2,280.00	\$0.70	\$3,990.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	32.00	\$220.00	\$7,040.00	\$250.00	\$8,000.00	\$215.00	\$6,880.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	72.00	\$6.75	\$486.00	\$15.00	\$1,080.00	\$33.00	\$2,376.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	3,400.00	\$2.75	\$9,350.00	\$4.00	\$13,600.00	\$5.50	\$18,700.00
502.	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$150,000.00	\$150,000.00	\$200,000.00	\$200,000.00	\$195,000.00	\$195,000.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$25,000.00	\$25,000.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	125.00	\$60.00	\$7,500.00	\$65.00	\$8,125.00	\$60.00	\$7,500.00
508.	STRUCTURAL FILL	CY	40.00	\$65.00	\$2,600.00	\$80.00	\$3,200.00	\$90.00	\$3,600.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	45.00	\$800.00	\$36,000.00	\$1,000.00	\$45,000.00	\$2,280.00	\$102,600.00
520.01	CONCRETE CLASS AA	CY	55.00	\$1,000.00	\$55,000.00	\$2,500.00	\$137,500.00	\$1,510.00	\$83,050.00
529.903	PRECAST CONCRETE MOMENT SLAB	CY	100.00	\$1,300.00	\$130,000.00	\$1,500.00	\$150,000.00	\$1,650.00	\$165,000.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	15.00	\$100.00	\$1,500.00	\$125.00	\$1,875.00	\$150.00	\$2,250.00
538.1	BARRIER MEMBRANE, PEEL AND STICK (F)	SY	76.00	\$75.00	\$5,700.00	\$50.00	\$3,800.00	\$62.00	\$4,712.00
544.	REINFORCING STEEL (F)	LB	4,488.00	\$1.50	\$6,732.00	\$3.50	\$15,708.00	\$7.40	\$33,211.20
544.01	REINFORCING STEEL	LB	1,000.00	\$2.00	\$2,000.00	\$1.18	\$1,180.00	\$20.00	\$20,000.00
562.1	SILICONE JOINT SEALANT (F)	LF	40.00	\$20.00	\$800.00	\$20.00	\$800.00	\$49.00	\$1,960.00
563.23	BRIDGE RAIL T3	LF	164.00	\$150.00	\$24,600.00	\$163.00	\$26,732.00	\$180.00	\$29,520.00

Item No.	Description	Unit	Quantity	PS&E		EVROKS CORPORATION 23 INDUSTRIAL DRIVE NORTHFIELD, NH 03276		CARRIS, GEORGE P.A. SON, INC. 9 LEDGE ROAD WINDHAM, NH 03087-1809	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
585.232	BRIDGE APPROACH RAIL T3 (STEEL POSTS)	U	4.00	\$6,000.00	\$24,000.00	\$5,935.00	\$23,740.00	\$6,500.00	\$26,000.00
585.3401	SIMULATED STREAMBED MATERIAL	CY	15.00	\$100.00	\$1,500.00	\$150.00	\$2,250.00	\$90.00	\$1,350.00
605.906	6" PIPE UNDERDRAIN (CONTRACTORS OPTION)	LF	200.00	\$50.00	\$10,000.00	\$35.00	\$7,000.00	\$26.00	\$5,200.00
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	2.00	\$2,200.00	\$4,400.00	\$2,550.00	\$5,100.00	\$2,600.00	\$5,600.00
606.18001	31" W-BEAM GUARDRAIL WITH 6" OFFSET BLOCK (STEEL POST)	LF	13.00	\$24.00	\$312.00	\$35.00	\$455.00	\$38.00	\$494.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	60.00	\$50.00	\$3,000.00	\$50.00	\$3,000.00	\$75.00	\$4,500.00
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	200.00	\$150.00	\$30,000.00	\$60.00	\$12,000.00	\$115.00	\$23,000.00
606.9522	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 2	U	2.00	\$4,000.00	\$8,000.00	\$1,000.00	\$2,000.00	\$5,300.00	\$10,600.00
608.28	6" CONCRETE SIDEWALK (F)	SY	140.00	\$50.00	\$7,000.00	\$60.00	\$8,400.00	\$25.00	\$3,500.00
609.01	STRAIGHT GRANITE CURB	LF	130.00	\$35.00	\$4,550.00	\$30.00	\$3,900.00	\$24.00	\$3,120.00
609.216	STRAIGHT GRANITE SLOPE CURB 6" HIGH	LF	600.00	\$23.00	\$13,800.00	\$25.00	\$15,000.00	\$22.00	\$13,200.00
615.034	RELOCATING TRAFFIC SIGN, TYPE C	U	7.00	\$300.00	\$2,100.00	\$200.00	\$1,400.00	\$300.00	\$2,100.00
615.064	RELOCATING TRAFFIC SIGN TYPE CC	U	6.00	\$64.00	\$320.00	\$200.00	\$1,000.00	\$94.00	\$470.00
616.191	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$21,200.00	\$21,200.00	\$12,500.00	\$12,500.00	\$13,500.00	\$13,500.00
616.192	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$5,675.00	\$5,675.00	\$7,500.00	\$7,500.00	\$8,500.00	\$8,500.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	22,500.00	\$1.00	\$22,500.00	\$1.00	\$22,500.00	\$1.00	\$22,500.00
618.7	FLAGGERS	HR	300.00	\$35.00	\$10,500.00	\$38.50	\$11,550.00	\$35.00	\$10,500.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$27,600.00	\$27,600.00	\$35,000.00	\$35,000.00	\$50,000.00	\$50,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$3,000.00	\$12,000.00	\$3,000.00	\$12,000.00	\$18,000.00	\$72,000.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	8.00	\$5.00	\$40.00	\$5.00	\$40.00	\$5.50	\$44.00
621.31	SINGLE DELINEATOR WITH POST	EA	4.00	\$55.00	\$220.00	\$45.00	\$180.00	\$50.00	\$200.00
621.32	DOUBLE DELINEATOR WITH POST	EA	2.00	\$48.00	\$96.00	\$48.00	\$96.00	\$53.00	\$106.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	870.00	\$2.00	\$1,740.00	\$2.50	\$2,175.00	\$2.60	\$2,262.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	5,700.00	\$0.53	\$3,021.00	\$0.50	\$2,850.00	\$0.55	\$3,135.00
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	140.00	\$2.00	\$280.00	\$4.00	\$560.00	\$4.40	\$616.00
632.12	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) SYMBOL OR WORD	SF	83.00	\$100.00	\$8,300.00	\$10.00	\$830.00	\$11.00	\$913.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	74.00	\$25.00	\$1,850.00	\$15.00	\$1,110.00	\$16.00	\$1,184.00
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	57.00	\$8.00	\$456.00	\$15.00	\$855.00	\$16.00	\$912.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	6,200.00	\$0.75	\$3,900.00	\$1.00	\$5,200.00	\$1.10	\$5,720.00
632.92	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD	SF	40.00	\$3.00	\$120.00	\$5.00	\$200.00	\$5.50	\$220.00
645.631	SILT FENCE	LF	200.00	\$3.00	\$600.00	\$4.00	\$800.00	\$3.00	\$600.00

Item No.	Description	Unit	Quantity	PS&E		EVROKS CORPORATION 23 INDUSTRIAL DRIVE NORTHFIELD, NH 03278		CARRIS, GEORGE R & SON, INC. 8 LEVINE ROAD WINDHAM, NH 03087-1509	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00	\$2,200.00	\$2,200.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	200.00	\$65.00	\$13,000.00	\$75.00	\$15,000.00	\$65.00	\$13,000.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	80.00	\$3.00	\$240.00	\$2.00	\$160.00	\$7.50	\$600.00
647.1	HUMUS	CY	140.00	\$20.00	\$2,800.00	\$50.00	\$7,000.00	\$65.00	\$9,100.00
670.104	TEMPORARY PORTABLE LIGHTING	U	1.00	\$5,000.00	\$5,000.00	\$1,000.00	\$1,000.00	\$10,000.00	\$10,000.00
692.	MOBILIZATION	U	1.00	\$100,000.00	\$100,000.00	\$119,000.00	\$119,000.00	\$120,000.00	\$120,000.00
698.12	FIELD OFFICE TYPE B	MON	14.00	\$2,000.00	\$28,000.00	\$1,880.00	\$26,320.00	\$2,000.00	\$28,000.00
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	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
1010.15	FUEL ADJUSTMENT	\$	21,000.00	\$1.00	\$21,000.00	\$1.00	\$21,000.00	\$1.00	\$21,000.00
Totals:					\$1,028,481.20		\$1,199,431.00		\$1,313,278.20
Alt. Totals:									
Totals:					\$1,028,481.20		\$1,199,431.00		\$1,313,278.20



PS&E Comparison

PORTSMOUTH
27690
X-A003(589)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
Items								
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	15.00	\$10.00	\$150.00	\$10.00	\$150.00	\$0.00
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	15.00	\$10.00	\$150.00	\$10.00	\$150.00	\$0.00
202.7	REMOVAL OF GUARDRAIL	LF	140.00	\$3.00	\$420.00	\$2.50	\$350.00	\$70.00
203.1	COMMON EXCAVATION	CY	31.00	\$50.00	\$1,550.00	\$22.20	\$688.20	\$861.80
203.55552	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL 2	U	2.00	\$1,200.00	\$2,400.00	\$1,400.00	\$2,800.00	(\$400.00)
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	5.00	\$150.00	\$750.00	\$200.00	\$1,000.00	(\$250.00)
214.	FINE GRADING	U	1.00	\$6,700.00	\$6,700.00	\$5,000.00	\$5,000.00	\$1,700.00
304.399	TEMPORARY CRUSHED GRAVEL	CY	25.00	\$75.00	\$1,875.00	\$40.00	\$1,000.00	\$875.00
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	88.00	\$75.00	\$6,600.00	\$40.00	\$3,520.00	\$3,080.00
304.5	CRUSHED STONE (COARSE GRADATION) (F)	CY	196.00	\$75.00	\$14,700.00	\$40.00	\$7,840.00	\$6,860.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	120.00	\$180.00	\$21,600.00	\$185.00	\$22,200.00	(\$600.00)
403.119	HOT BITUMINOUS PAVEMENT, MACHINE METHOD, HIGH STRENGTH	TON	290.00	\$150.00	\$43,500.00	\$200.00	\$58,000.00	(\$14,500.00)
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	23.00	\$210.00	\$4,830.00	\$160.00	\$3,680.00	\$1,150.00
403.6	PAVEMENT JOINT ADHESIVE	LF	5,700.00	\$0.45	\$2,565.00	\$2.75	\$15,675.00	(\$13,110.00)

403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	32.00	\$210.00	\$6,720.00	\$220.00	\$7,040.00	(\$320.00)
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	72.00	\$16.00	\$1,152.00	\$6.75	\$486.00	\$666.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	3,400.00	\$4.25	\$14,450.00	\$2.75	\$9,350.00	\$5,100.00
502.	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$170,000.00	\$170,000.00	\$150,000.00	\$150,000.00	\$20,000.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$48,500.00	\$48,500.00	\$50,000.00	\$50,000.00	(\$1,500.00)
504.1	COMMON BRIDGE EXCAVATION (F)	CY	125.00	\$40.00	\$5,000.00	\$60.00	\$7,500.00	(\$2,500.00)
508.	STRUCTURAL FILL	CY	40.00	\$55.00	\$2,200.00	\$65.00	\$2,600.00	(\$400.00)
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	45.00	\$250.00	\$11,250.00	\$800.00	\$36,000.00	(\$24,750.00)
520.01	CONCRETE CLASS AA	CY	55.00	\$1,200.00	\$66,000.00	\$1,000.00	\$55,000.00	\$11,000.00
529.903	PRECAST CONCRETE MOMENT SLAB	CY	100.00	\$1,200.00	\$120,000.00	\$1,300.00	\$130,000.00	(\$10,000.00)
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	15.00	\$110.00	\$1,650.00	\$100.00	\$1,500.00	\$150.00
538.1	BARRIER MEMBRANE, PEEL AND STICK (F)	SY	76.00	\$50.00	\$3,800.00	\$75.00	\$5,700.00	(\$1,900.00)
544.	REINFORCING STEEL (F)	LB	4,488.00	\$1.40	\$6,283.20	\$1.50	\$6,732.00	(\$448.80)
544.01	REINFORCING STEEL	LB	1,000.00	\$3.00	\$3,000.00	\$2.00	\$2,000.00	\$1,000.00
562.1	SILICONE JOINT SEALANT (F)	LF	40.00	\$25.00	\$1,000.00	\$20.00	\$800.00	\$200.00
563.23	BRIDGE RAIL T3	LF	164.00	\$170.00	\$27,880.00	\$150.00	\$24,600.00	\$3,280.00
565.232	BRIDGE APPROACH RAIL T3 (STEEL POSTS)	U	4.00	\$6,300.00	\$25,200.00	\$6,000.00	\$24,000.00	\$1,200.00
585.3401	SIMULATED STREAMBED MATERIAL	CY	15.00	\$65.00	\$975.00	\$100.00	\$1,500.00	(\$525.00)
605.906	6" PIPE UNDERDRAIN (CONTRACTORS OPTION)	LF	200.00	\$15.00	\$3,000.00	\$50.00	\$10,000.00	(\$7,000.00)
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	2.00	\$2,700.00	\$5,400.00	\$2,200.00	\$4,400.00	\$1,000.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	13.00	\$37.50	\$487.50	\$24.00	\$312.00	\$175.50
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	60.00	\$35.00	\$2,100.00	\$50.00	\$3,000.00	(\$900.00)
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	200.00	\$50.00	\$10,000.00	\$150.00	\$30,000.00	(\$20,000.00)

606.9522	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 2	U	2.00	\$3,500.00	\$7,000.00	\$4,000.00	\$8,000.00	(\$1,000.00)
608.26	6" CONCRETE SIDEWALK (F)	SY	140.00	\$70.00	\$9,800.00	\$50.00	\$7,000.00	\$2,800.00
609.01	STRAIGHT GRANITE CURB	LF	130.00	\$28.00	\$3,640.00	\$35.00	\$4,550.00	(\$910.00)
609.216	STRAIGHT GRANITE SLOPE CURB 6" HIGH	LF	600.00	\$26.50	\$15,900.00	\$23.00	\$13,800.00	\$2,100.00
615.034	RELOCATING TRAFFIC SIGN, TYPE C	U	7.00	\$300.00	\$2,100.00	\$300.00	\$2,100.00	\$0.00
615.064	RELOCATING TRAFFIC SIGN TYPE CC	U	5.00	\$90.00	\$450.00	\$64.00	\$320.00	\$130.00
616.191	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$17,500.00	\$17,500.00	\$21,200.00	\$21,200.00	(\$3,700.00)
616.192	ALTERATIONS TO TRAFFIC SIGNALS	U	1.00	\$17,500.00	\$17,500.00	\$5,675.00	\$5,675.00	\$11,825.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	22,500.00	\$1.00	\$22,500.00	\$1.00	\$22,500.00	\$0.00
618.7	FLAGGERS	HR	300.00	\$36.50	\$10,950.00	\$35.00	\$10,500.00	\$450.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$55,000.00	\$55,000.00	\$27,600.00	\$27,600.00	\$27,400.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$5,000.00	\$20,000.00	\$3,000.00	\$12,000.00	\$8,000.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	8.00	\$5.00	\$40.00	\$5.00	\$40.00	\$0.00
621.31	SINGLE DELINEATOR WITH POST	EA	4.00	\$47.50	\$190.00	\$55.00	\$220.00	(\$30.00)
621.32	DOUBLE DELINEATOR WITH POST	EA	2.00	\$50.00	\$100.00	\$48.00	\$96.00	\$4.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	870.00	\$2.25	\$1,957.50	\$2.00	\$1,740.00	\$217.50
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	5,700.00	\$0.53	\$3,021.00	\$0.53	\$3,021.00	\$0.00
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	140.00	\$4.25	\$595.00	\$2.00	\$280.00	\$315.00
632.12	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) SYMBOL OR WORD	SF	83.00	\$10.50	\$871.50	\$100.00	\$8,300.00	(\$7,428.50)
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	74.00	\$16.00	\$1,184.00	\$25.00	\$1,850.00	(\$666.00)
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	57.00	\$16.00	\$912.00	\$8.00	\$456.00	\$456.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	5,200.00	\$1.00	\$5,200.00	\$0.75	\$3,900.00	\$1,300.00

632.92	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD	SF	40.00	\$5.00	\$200.00	\$3.00	\$120.00	\$80.00
645.531	SILT FENCE	LF	200.00	\$3.00	\$600.00	\$3.00	\$600.00	\$0.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$6,500.00	\$6,500.00	\$3,000.00	\$3,000.00	\$3,500.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	200.00	\$65.00	\$13,000.00	\$65.00	\$13,000.00	\$0.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	80.00	\$2.00	\$160.00	\$3.00	\$240.00	(\$80.00)
647.1	HUMUS	CY	140.00	\$25.00	\$3,500.00	\$20.00	\$2,800.00	\$700.00
670.104	TEMPORARY PORTABLE LIGHTING	U	1.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$0.00
692.	MOBILIZATION	U	1.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$0.00
698.12	FIELD OFFICE TYPE B	MON	14.00	\$800.00	\$11,200.00	\$2,000.00	\$28,000.00	(\$16,800.00)
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	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	21,000.00	\$1.00	\$21,000.00	\$1.00	\$21,000.00	\$0.00

Total:

\$1,016,408.70

\$1,028,481.20

(\$12,072.50)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/3/2018

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).

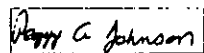
PRODUCER THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511	CONTACT NAME: Peggy Johnson PHONE (A/C No. Ext): (603)224-2562 E-MAIL ADDRESS: pjohnson@rowleyagency.com	FAX (A/C No.): (603)224-8013													
	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: Citizens Insurance Co.</td> <td>31534</td> </tr> <tr> <td>INSURER B: Allmerica Financial Benefits</td> <td>41840</td> </tr> <tr> <td>INSURER C: Hanover Insurance Co.</td> <td>22292</td> </tr> <tr> <td>INSURER D: Crum & Forster Spec. Ins. Co.</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Citizens Insurance Co.	31534	INSURER B: Allmerica Financial Benefits	41840	INSURER C: Hanover Insurance Co.	22292	INSURER D: Crum & Forster Spec. Ins. Co.		INSURER E:		INSURER F:
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INSURER F:															

COVERAGES	CERTIFICATE NUMBER:	REVISION NUMBER:
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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 type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			EBVA85248702	3/1/2018	3/1/2019	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
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 checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			ARVA85248502	3/1/2018	3/1/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Medical payments \$
C	<input checked="" 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			UBVA85248802	3/1/2018	3/1/2019	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 Products-Comp/Op Agg \$ 5,000,000
	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.I. EACH ACCIDENT \$ E.I. DISEASE - EA EMPLOYEE \$ E.I. DISEASE - POLICY LIMIT \$
C	Leased/Rented Equipment			IRVA85269502	3/1/2018	3/1/2019	\$535,000
D	Pollution Liability			CPL108304	12/17/2017	12/17/2018	1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 Culvert Rehab, US 1 By-Pass over Hodgson Brook, Portsmouth #27690.

CERTIFICATE HOLDER State of NH DOT POB 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 Peggy Johnson/PAJ 

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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.

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PRODUCER USI Insurance Solutions LLC 123 Interstate Drive West Springfield, MA 01089 855 874-0123	CONTACT NAME: Kelly Grahn PHONE (A/C, No, Ext): 781-939-2004 E-MAIL ADDRESS: kelly.grahn@usi.com	FAX (A/C, No):
	INSURER(S) AFFORDING COVERAGE	
INSURED R. M. Piper, Inc. P.O. Box 490 Plymouth, NH 03264-0490	INSURER A: ABC NH WORKERS COMP SIG, Inc NAIC # 99999	
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

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INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:					EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY					COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	ABC16000318	01/01/2018	01/01/2019	X PER STATUTE OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Proof of New Hampshire Workers' Compensation Coverage
Project: NHDOT#27690 Portsmouth-US Route 1 over Hodgson Brook

CERTIFICATE HOLDER NH Department of Transportation Office of Federal Compliance P.O. 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 <i>Joseph C. Blanche</i>
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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/3/2018

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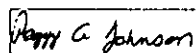
PRODUCER THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511	CONTACT NAME: Peggy Johnson PHONE (A/C No. Ext.): (603) 224-2562 FAX (A/C No.): (603) 224-0012 E-MAIL ADDRESS: pjohnson@rowleyagency.com	
	INSURER(S) AFFORDING COVERAGE	
INSURED State of NH DOT POB 483 Concord NH 03302-0483	INSURER A: Hanover Insurance Co. NAIC # 22292	
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

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INSR LTR	TYPE OF INSURANCE	ADOL 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 <input type="checkbox"/> Protective GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			LRVD287415	10/3/2018	10/3/2019	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 - COMPIOP AGG \$ \$
	AUTOMOBILE LIABILITY <input 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						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)
 Culvert Rehab, US 1 By-Pass over Hodgson Brook, Portsmouth #27690. Contractor: R.M. Piper Inc

CERTIFICATE HOLDER State of NH DOT POB 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 Peggy Johnson/PAJ 



ECKMANE-02

DGHIGLIAZZA

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/04/2018

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PRODUCER Ames & Gough 859 Willard Street Suite 320 Quincy, MA 02169	CONTACT NAME: (A/C, No, Ext): (617) 328-6555 FAX (A/C, No): (617) 328-6888	
	E-MAIL ADDRESS: boston@amesgough.com	
	INSURER(S) AFFORDING COVERAGE NAIC #	
INSURED David Eckman Consulting Engineer 1950 Lafayette Road, Suite 209 P.O. Box 8025 Portsmouth, NH 03801	INSURER A: Continental Casualty Company (CNA) A, XV 20443	
	INSURER B: Axis Insurance Company, A+, XV 26620	
	INSURER C:	
	INSURER D:	
	INSURER E:	
INSURER F:		

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

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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 checked="" type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRQ:JECT <input type="checkbox"/> LOC OTHER:	X		4024156265	10/01/2018	10/01/2019	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
							MED EXP (Any one person)	\$ 10,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMPI/OP AGG	\$ 2,000,000
								\$
A	<input type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY			4024156265	10/01/2018	10/01/2019	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							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 DED RETENTION \$						EACH OCCURRENCE	\$
							AGGREGATE	\$
								\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N N/A If yes, describe under DESCRIPTION OF OPERATIONS below						PER STATUTE OTH-ER	
							E.L. EACH ACCIDENT	\$
							E.L. DISEASE - EA EMPLOYEE	\$
							E.L. DISEASE - POLICY LIMIT	\$
B	Professional Liab			DP002948012017	10/10/2017	10/10/2018	Per Claim	\$ 2,000,000
B				DP002948012017	10/10/2017	10/10/2018	Aggregate	\$ 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
All Coverages are in accordance with the policy terms and conditions.

RM Piper and State Of NH Department of Transportation shall be included as additional insured with respects to General Liability where required by written contract.

CERTIFICATE HOLDER

CANCELLATION

RM Piper
 PO Box 490
 Plymouth, NH 03264

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

John P. Shroy