



Victoria F. Sheehan
Commissioner

THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



William Cass, P.E.
Assistant Commissioner

Bureau of Construction
December 5, 2018

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 Northeast Earth Mechanics, Inc. of Pittsfield, NH (Vendor 156610) on the basis of a low bid of \$358,449.40 for replacing a structurally deficient hybrid culvert that carries Batchelder Brook under NH Route 11 in Alton, from the date of Governor and Council approval through October 25, 2019 unless extended by the Department in accordance with the Standard Specifications. 100% Other Funds (Betterment 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>
04-96-96-963015-3039		
Highway Betterment Aid		
400-500870 Highway Contract Payments	\$200,000.00	\$158,449.40

2. Further authorize that a contingency in the amount of \$35,844.94 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.

Contingency Funding is available as follows:	<u>FY 2019</u>	<u>FY 2020</u>
04-96-96-963015-3039		
Highway Betterment Aid		
400-500870 Highway Contract Payments		\$35,844.94

EXPLANATION

This project is part of the State's Ten Year Transportation Improvement Plan under the Betterment Drainage Program. This project replaces a structurally deficient hybrid culvert (4'h x 3'w stone box at the outlet and 48" cmp at the inlet). This culvert carries Batchelder Brook under NH Route 11 in Alton. The project is located approximately 800 feet east of the Gilford/Alton town line. Project work includes removal of the existing culvert and replacement with a 6'w x 6'h concrete box culvert with 2' of embedment. The proposed culvert will be constructed approximately 6 feet west of the existing culvert.

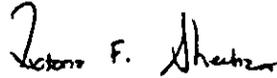
The existing hybrid culvert has two components. The 4'h x 3'w stone box culvert at the outlet was constructed in 1918. The existing 48" diameter corrugated metal pipe inlet was installed at a later, unknown date. Replacement of the existing culvert is required due to the structural deficiencies of the stone box portion which is beyond maintenance efforts. The proposed culvert is a 6'h x 6'w concrete box culvert which will be placed approximately 6-feet west of the existing and at a slight skew. This will improve hydraulics and maintain the integrity of NH Route 11 which is a critical connector between Alton and Gilford.

The proposed contingency amount is 10% of the contract amount. This is to account for the risks associated with the culvert construction. The limits of the stone box and cmp portions of the hybrid culvert under NH Route 11 are unknown. Additionally the costs associated with the water diversion and culvert construction are weather dependent.

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.

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: \$360,678.00
Contract Amount: \$358,449.40
Under Estimate: \$ 2,228.60

Attachments

November 6, 2018

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project replaces a structurally deficient hybrid culvert (4'h x 3'w stone box at the outlet and 48" cmp at the inlet). This culvert carries Batchelder Brook under NH Route 11 in Alton. The project is located approximately 800 feet east of the Gilford/Alton town line. Project work includes removal of the existing culvert and replacement with a 6'w x 6'h concrete box culvert with 2' of embedment. The proposed culvert will be constructed approximately 6 feet west of the existing culvert.

FEDERAL FUNDING: 0% (Betterment project, 100% State funded)

CONTINGENCY: The proposed contingency amount is 10% of the contract amount. This is to account for the risks associated with the culvert construction. The limits of the stone box and cmp portions of the hybrid culvert under NH Route 11 are unknown. Additionally the costs associated with the water diversion and culvert construction are weather dependent.

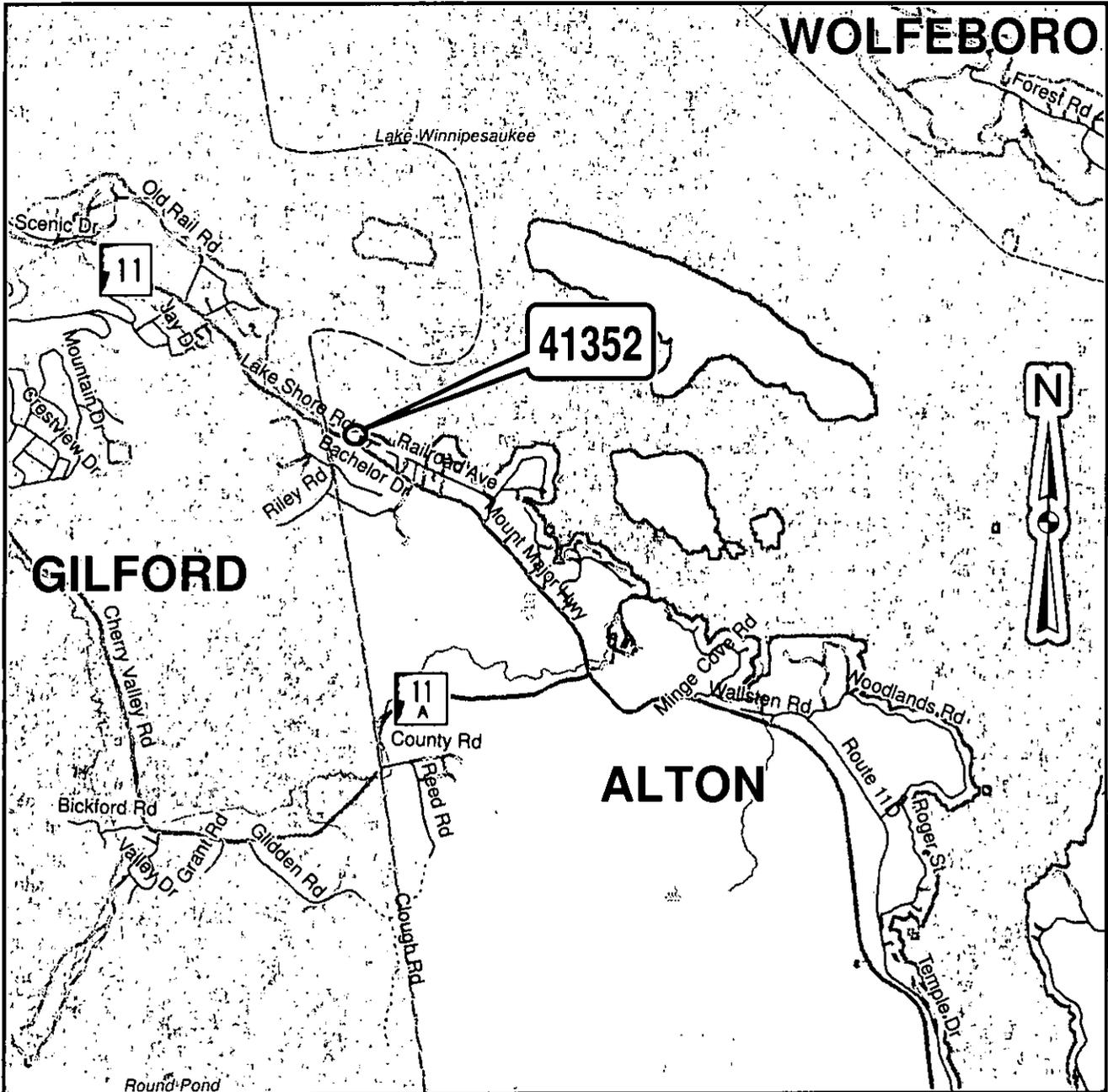
PROJECT INITIATED: Initiated through the Betterment Drainage Program

PROJECT EXPLANATION: The existing hybrid culvert has two components. The 4'h x 3'w stone box culvert at the outlet was constructed in 1918. The existing 48" diameter corrugated metal pipe inlet was installed at a later, unknown date. Replacement of the existing culvert is required due to the structural deficiencies of the stone box portion which is beyond maintenance efforts. The proposed culvert is a 6'h x 6'w concrete box culvert which will be placed approximately 6-feet west of the existing and at a slight skew. This will improve hydraulics and maintain the integrity of NH Route 11 which is a critical connector between Alton and Gilford.

TRAFFIC IMPLICATION: NH Route 11 will be closed during nighttime hours for a period not to exceed a 5 night period to complete the culvert construction (10 p.m. – 6 a.m.). During this closure there will be a formal signed detour to NH Route 11A. The road will be brought up to a crushed stone surface and re-opened to two-way traffic at the beginning of each day. Traffic impacts during daytime hours will entail shoulder and partial lane closures with flaggers facilitating one-lane, alternating two-way traffic.

FINAL COMPLETION DATE: October 25, 2019.

ALTON - NH ROUTE 11

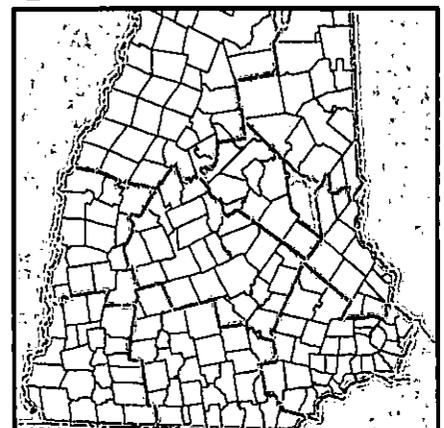


LEGEND

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

New Hampshire
DOT
 Department of Transportation

State #: 41352
LOCATION MAP





ABC Bid Data

ALTON
41352
NON-FEDERAL

PROJECT: ALTON
STATE PROJECT NUMBER: 41352
FED. PROJECT NUMBER: NON-FEDERAL
DATE BIDS OPEN: November 29, 2018,
SCOPE OF WORK: Stone/CMP Culvert Replacement
COMPLETION DATE: October 25, 2019
LOCATION: Belknap

Awarded To: NORTHEAST EARTH
MECHANICS INC
159 BARNSTEAD ROAD
PITTSFIELD, NH 03263

Amount: \$358,449.40

Award Date:

Certified by: PETER E. STAMNAS
Director of Project Development

Summary of Bidders

Contractor

Contractor	Bid Amount	Rank
NORTHEAST EARTH MECHANICS INC 159 BARNSTEAD ROAD, PITTSFIELD, NH 03263	\$358,449.40	A
MERRILL F L CONSTRUCTION INC 35 VETERANS DRIVE, LOUDON NH 03307	\$385,471.50	B
WEAVER BROS CONST CO INC 1629 RTE 3A BOW NH 03304	\$407,570.50	C
BUSBY CONSTRUCTION CO., INC. 71 ROUTE 111, ATKINSON NH 03811	\$425,524.00	D

Item No.	Description	Unit	Quantity	PBAE		NORTHEAST EARTH MECHANICS INC 188 BARNSTEAD ROAD PITTSFIELD, NH 03253		MERRILL F. L. CONSTRUCTION INC 35 VETERANS DRIVE LOUDON, NH 03307	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

201.881	INVASIVE SPECIES CONTROL TYPE I	SY	2.00	\$30.00	\$60.00	\$250.00	\$500.00	\$110.00	\$220.00
202.451	REMOVAL OF CULVERT	U	1.00	\$3,000.00	\$3,000.00	\$6,800.00	\$6,800.00	\$16,500.00	\$16,500.00
203.1	COMMON EXCAVATION	CY	90.00	\$28.00	\$2,520.00	\$20.00	\$1,800.00	\$16.00	\$1,440.00
203.11	COMMON EXCAVATION - LRS	CY	205.00	\$25.00	\$5,125.00	\$21.00	\$4,305.00	\$24.00	\$4,920.00
203.55567	GUARDRAIL EAGRT PLATFORM ALTERNATE, TL 2 - 25'	U	2.00	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$1,210.00	\$2,420.00
203.6	EMBANKMENT-IN-PLACE (F)	CY	150.00	\$10.00	\$1,500.00	\$13.00	\$1,950.00	\$14.00	\$2,100.00
206.1	COMMON STRUCTURE EXCAVATION	CY	90.00	\$35.00	\$3,150.00	\$25.00	\$2,250.00	\$30.00	\$2,700.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	10.00	\$55.00	\$550.00	\$45.00	\$450.00	\$90.00	\$900.00
214.	FINE GRADING	U	1.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	45.00	\$50.00	\$2,250.00	\$40.00	\$1,800.00	\$36.00	\$1,620.00
304.5	CRUSHED STONE (COARSE GRADATION) (F)	CY	40.00	\$50.00	\$2,000.00	\$40.00	\$1,600.00	\$32.00	\$1,280.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	60.00	\$190.00	\$11,400.00	\$150.00	\$9,000.00	\$185.00	\$11,100.00
403.6	PAVEMENT JOINT ADHESIVE	LF	200.00	\$5.00	\$1,000.00	\$5.00	\$1,000.00	\$5.50	\$1,100.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	40.00	\$250.00	\$10,000.00	\$150.00	\$6,000.00	\$190.00	\$7,600.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	15.00	\$30.00	\$450.00	\$40.00	\$600.00	\$44.00	\$660.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	85.00	\$26.00	\$2,210.00	\$60.00	\$5,100.00	\$65.00	\$5,525.00
503.1	WATER DIVERSION STRUCTURES	U	1.00	\$25,000.00	\$25,000.00	\$10,000.00	\$10,000.00	\$42,000.00	\$42,000.00
529.001	PRECAST CONCRETE BOX CULVERT	U	1.00	\$125,000.00	\$125,000.00	\$148,000.00	\$148,000.00	\$108,000.00	\$108,000.00
583.3	RIPRAP, CLASS III	CY	75.00	\$100.00	\$7,500.00	\$50.00	\$3,750.00	\$59.00	\$4,425.00
585.3401	SIMULATED STREAMBED MATERIAL	CY	50.00	\$65.00	\$3,250.00	\$40.00	\$2,000.00	\$59.00	\$2,950.00
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	180.00	\$5.00	\$900.00	\$3.33	\$599.40	\$5.60	\$1,008.00
595.5	GEOGRID FOR BASE MATERIALS	SY	80.00	\$6.00	\$480.00	\$6.25	\$500.00	\$5.60	\$448.00
606.1256	TERMINAL UNIT (MAX-TENSION TL 2)	U	2.00	\$5,000.00	\$10,000.00	\$6,450.00	\$12,900.00	\$7,000.00	\$14,000.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	37.50	\$30.00	\$1,125.00	\$60.00	\$2,250.00	\$65.00	\$2,437.50
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	280.00	\$36.00	\$9,360.00	\$40.00	\$10,400.00	\$50.00	\$13,000.00
606.9522	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 2	U	4.00	\$3,300.00	\$13,200.00	\$2,500.00	\$10,000.00	\$2,710.00	\$10,840.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00
618.7	FLAGGERS	HR	440.00	\$27.00	\$11,880.00	\$38.00	\$16,720.00	\$35.00	\$15,400.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$22,100.00	\$22,100.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$3,500.00	\$7,000.00	\$1,500.00	\$3,000.00	\$2,710.00	\$5,420.00

Item No.	Description	Unit	Quantity	P&E		NORTHEAST EARTH MECHANICS INC 199 BARNSTEAD ROAD PITTSFIELD, NH 03283		MERRILL F. L. CONSTRUCTION INC 38 VETERANS DRIVE LOUDON, NH 03307	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
619.253	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UWK	4.00	\$250.00	\$1,000.00	\$400.00	\$1,600.00	\$1,100.00	\$4,400.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	2.00	\$5.50	\$11.00	\$5.00	\$10.00	\$9.00	\$18.00
621.31	SINGLE DELINEATOR WITH POST	EA	1.00	\$40.00	\$40.00	\$50.00	\$50.00	\$60.00	\$60.00
621.32	DOUBLE DELINEATOR WITH POST	EA	1.00	\$47.00	\$47.00	\$55.00	\$55.00	\$60.00	\$60.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	270.00	\$3.50	\$945.00	\$1.50	\$405.00	\$1.50	\$405.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	750.00	\$2.50	\$1,875.00	\$1.50	\$1,125.00	\$2.50	\$1,875.00
641.	LOAM	CY	80.00	\$65.00	\$5,200.00	\$35.00	\$2,800.00	\$58.00	\$4,640.00
645.3	EROSION STONE	TON	150.00	\$35.00	\$5,250.00	\$25.00	\$3,750.00	\$30.00	\$4,500.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	450.00	\$5.00	\$2,250.00	\$4.00	\$1,800.00	\$7.10	\$3,195.00
645.531	SILT FENCE	LF	450.00	\$3.50	\$1,575.00	\$2.50	\$1,125.00	\$3.00	\$1,350.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$2,500.00	\$2,500.00	\$1,800.00	\$1,800.00	\$2,710.00	\$2,710.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	40.00	\$70.00	\$2,800.00	\$75.00	\$3,000.00	\$103.00	\$4,120.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	630.00	\$2.50	\$1,575.00	\$1.00	\$630.00	\$2.50	\$1,575.00
647.1	HUMUS	CY	125.00	\$36.00	\$4,500.00	\$35.00	\$4,375.00	\$30.00	\$3,750.00
650.2	LANDSCAPING	U	1.00	\$600.00	\$600.00	\$1,600.00	\$1,600.00	\$5,500.00	\$5,500.00
670.066	MAILBOX SUPPORT ASSEMBLIES	EA	3.00	\$200.00	\$600.00	\$250.00	\$750.00	\$300.00	\$900.00
692.	MOBILIZATION	U	1.00	\$35,000.00	\$35,000.00	\$35,000.00	\$35,000.00	\$30,000.00	\$30,000.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$3,000.00	\$3,000.00	\$3,500.00	\$3,500.00	\$3,800.00	\$3,800.00
698.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	3,000.00	\$1.00	\$3,000.00	\$1.00	\$3,000.00	\$1.00	\$3,000.00
1010.15	FUEL ADJUSTMENT	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00
Totals:				\$360,678.00	\$358,449.40	\$358,449.40	\$358,449.40	\$385,471.60	\$385,471.60
Alt. Totals:									
Totals:				\$360,678.00	\$358,449.40	\$358,449.40	\$358,449.40	\$385,471.60	\$385,471.60

Item No.	Description	Unit	Quantity	P&A		WEAVER BROS. CONST. CO., INC. 1829 RTE 3A BOW, NH 03304		BUSBY CONSTRUCTION CO., INC. 71 ROUTE 111 ATTENSON, NH 03811	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

201.881	INVASIVE SPECIES CONTROL TYPE I	SY	2.00	\$30.00	\$60.00	\$100.00	\$200.00	\$10.00	\$20.00
202.451	REMOVAL OF CULVERT	U	1.00	\$3,000.00	\$3,000.00	\$7,500.00	\$7,500.00	\$13,320.00	\$13,320.00
203.1	COMMON EXCAVATION	CY	90.00	\$28.00	\$2,520.00	\$25.00	\$2,250.00	\$25.00	\$2,250.00
203.11	COMMON EXCAVATION - LRS	CY	205.00	\$25.00	\$5,125.00	\$26.50	\$5,432.50	\$25.00	\$5,125.00
203.65657	GUARDRAIL EAGRT PLATFORM ALTERNATE, TL 2 - 25'	U	2.00	\$1,000.00	\$2,000.00	\$1,250.00	\$2,500.00	\$1,200.00	\$2,400.00
203.6	EMBANKMENT-IN-PLACE (F)	CY	150.00	\$10.00	\$1,500.00	\$20.00	\$3,000.00	\$35.00	\$5,250.00
206.1	COMMON STRUCTURE EXCAVATION	CY	90.00	\$35.00	\$3,150.00	\$55.00	\$4,950.00	\$25.00	\$2,250.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	10.00	\$55.00	\$550.00	\$125.00	\$1,250.00	\$75.00	\$750.00
214.	FINE GRADING	U	1.00	\$1,000.00	\$1,000.00	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	45.00	\$50.00	\$2,250.00	\$65.00	\$2,925.00	\$56.00	\$2,520.00
304.6	CRUSHED STONE (COARSE GRADATION) (F)	CY	40.00	\$50.00	\$2,000.00	\$65.00	\$2,600.00	\$56.00	\$2,240.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	60.00	\$190.00	\$11,400.00	\$220.00	\$13,200.00	\$220.00	\$13,200.00
403.6	PAVEMENT JOINT ADHESIVE	LF	200.00	\$5.00	\$1,000.00	\$2.50	\$500.00	\$11.00	\$2,200.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	40.00	\$250.00	\$10,000.00	\$230.00	\$9,200.00	\$220.00	\$8,800.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	15.00	\$30.00	\$450.00	\$55.00	\$825.00	\$56.00	\$840.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	85.00	\$26.00	\$2,210.00	\$10.00	\$850.00	\$30.00	\$2,550.00
503.1	WATER DIVERSION STRUCTURES	U	1.00	\$25,000.00	\$25,000.00	\$42,000.00	\$42,000.00	\$30,000.00	\$30,000.00
529.001	PRECAST CONCRETE BOX CULVERT	U	1.00	\$125,000.00	\$125,000.00	\$110,000.00	\$110,000.00	\$95,000.00	\$95,000.00
583.3	RIPRAP, CLASS III	CY	75.00	\$100.00	\$7,500.00	\$68.00	\$5,100.00	\$57.00	\$4,275.00
585.3401	SIMULATED STREAMBED MATERIAL	CY	50.00	\$65.00	\$3,250.00	\$125.00	\$6,250.00	\$53.01	\$2,650.50
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	180.00	\$5.00	\$900.00	\$3.00	\$540.00	\$2.75	\$495.00
595.5	GEOGRID FOR BASE MATERIALS	SY	80.00	\$6.00	\$480.00	\$7.25	\$580.00	\$9.00	\$720.00
606.1256	TERMINAL UNIT (MAX-TENSION TL 2)	U	2.00	\$5,000.00	\$10,000.00	\$7,095.00	\$14,190.00	\$6,995.00	\$13,990.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	37.50	\$30.00	\$1,125.00	\$66.00	\$2,475.00	\$65.00	\$2,437.50
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	290.00	\$36.00	\$9,360.00	\$40.00	\$10,400.00	\$58.00	\$15,000.00
606.9522	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 2	U	4.00	\$3,300.00	\$13,200.00	\$3,300.00	\$13,200.00	\$4,500.00	\$18,000.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00
618.7	FLAGGERS	HR	440.00	\$27.00	\$11,880.00	\$40.00	\$17,600.00	\$36.75	\$16,170.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$20,000.00	\$20,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$3,500.00	\$7,000.00	\$3,500.00	\$7,000.00	\$2,600.00	\$5,200.00

Item No.	Description	Unit	Quantity	P&E		WEAVER BROS. CONST. CO., INC. 1629 RTE 3A BOW, NH 03304		BUSBY CONSTRUCTION CO., INC. 71 ROUTE 111 ATKINSON, NH 03811	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
618.253	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UWK	4.00	\$250.00	\$1,000.00	\$425.00	\$1,700.00	\$250.00	\$1,000.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	2.00	\$5.50	\$11.00	\$10.00	\$20.00	\$5.50	\$11.00
621.31	SINGLE DELINEATOR WITH POST	EA	1.00	\$40.00	\$40.00	\$100.00	\$100.00	\$55.00	\$55.00
621.32	DOUBLE DELINEATOR WITH POST	EA	1.00	\$47.00	\$47.00	\$100.00	\$100.00	\$60.00	\$60.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	270.00	\$3.50	\$945.00	\$2.50	\$675.00	\$2.00	\$540.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	760.00	\$2.50	\$1,875.00	\$1.20	\$900.00	\$1.50	\$1,125.00
641.	LOAM	CY	80.00	\$65.00	\$5,200.00	\$66.00	\$5,280.00	\$37.00	\$2,960.00
645.3	EROSION STONE	TON	150.00	\$35.00	\$5,250.00	\$31.00	\$4,650.00	\$35.00	\$5,250.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	450.00	\$5.00	\$2,250.00	\$4.50	\$2,025.00	\$5.00	\$2,250.00
645.531	SILT FENCE	LF	450.00	\$3.50	\$1,575.00	\$2.50	\$1,125.00	\$2.95	\$1,327.50
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$2,500.00	\$2,500.00	\$2,400.00	\$2,400.00	\$2,000.00	\$2,000.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	40.00	\$70.00	\$2,800.00	\$122.00	\$4,880.00	\$130.00	\$5,200.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	630.00	\$2.50	\$1,575.00	\$1.10	\$693.00	\$1.25	\$787.50
647.1	HUMUS	CY	125.00	\$36.00	\$4,500.00	\$35.00	\$4,375.00	\$27.00	\$3,375.00
650.2	LANDSCAPING	U	1.00	\$600.00	\$600.00	\$2,000.00	\$2,000.00	\$1,950.00	\$1,950.00
670.066	MAILBOX SUPPORT ASSEMBLIES	EA	3.00	\$200.00	\$600.00	\$280.00	\$780.00	\$200.00	\$600.00
692.	MOBILIZATION	U	1.00	\$35,000.00	\$35,000.00	\$40,000.00	\$40,000.00	\$80,000.00	\$80,000.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$3,000.00	\$3,000.00	\$3,850.00	\$3,850.00	\$3,800.00	\$3,800.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	3,000.00	\$1.00	\$3,000.00	\$1.00	\$3,000.00	\$1.00	\$3,000.00
1010.15	FUEL ADJUSTMENT	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00
Totals:				\$360,678.00	\$407,670.50	\$425,624.00			
Alt. Totals:									
Totals:				\$360,678.00	\$407,670.50	\$425,624.00			



PS&E Comparison

ALTON
41352
NON-FEDERAL

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	2.00	\$250.00	\$500.00	\$30.00	\$60.00	\$440.00
202.451	REMOVAL OF CULVERT	U	1.00	\$6,600.00	\$6,600.00	\$3,000.00	\$3,000.00	\$3,600.00
203.1	COMMON EXCAVATION	CY	90.00	\$20.00	\$1,800.00	\$28.00	\$2,520.00	(\$720.00)
203.11	COMMON EXCAVATION - LRS	CY	205.00	\$21.00	\$4,305.00	\$25.00	\$5,125.00	(\$820.00)
203.55557	GUARDRAIL EAGRT PLATFORM ALTERNATE, TL 2 - 25'	U	2.00	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$0.00
203.6	EMBANKMENT-IN-PLACE (F)	CY	150.00	\$13.00	\$1,950.00	\$10.00	\$1,500.00	\$450.00
206.1	COMMON STRUCTURE EXCAVATION	CY	90.00	\$25.00	\$2,250.00	\$35.00	\$3,150.00	(\$900.00)
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	10.00	\$45.00	\$450.00	\$55.00	\$550.00	(\$100.00)
214.	FINE GRADING	U	1.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$0.00
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	45.00	\$40.00	\$1,800.00	\$50.00	\$2,250.00	(\$450.00)
304.5	CRUSHED STONE (COARSE GRADATION) (F)	CY	40.00	\$40.00	\$1,600.00	\$50.00	\$2,000.00	(\$400.00)
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	60.00	\$150.00	\$9,000.00	\$190.00	\$11,400.00	(\$2,400.00)
403.6	PAVEMENT JOINT ADHESIVE	LF	200.00	\$5.00	\$1,000.00	\$5.00	\$1,000.00	\$0.00
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	40.00	\$150.00	\$6,000.00	\$250.00	\$10,000.00	(\$4,000.00)
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	15.00	\$40.00	\$600.00	\$30.00	\$450.00	\$150.00

417.	COLD PLANING BITUMINOUS SURFACES	SY	85.00	\$60.00	\$5,100.00	\$26.00	\$2,210.00	\$2,890.00
503.1	WATER DIVERSION STRUCTURES	U	1.00	\$10,000.00	\$10,000.00	\$25,000.00	\$25,000.00	(\$15,000.00)
529.001	PRECAST CONCRETE BOX CULVERT	U	1.00	\$148,000.00	\$148,000.00	\$125,000.00	\$125,000.00	\$23,000.00
583.3	RIPRAP, CLASS III	CY	75.00	\$50.00	\$3,750.00	\$100.00	\$7,500.00	(\$3,750.00)
585.3401	SIMULATED STREAMBED MATERIAL	CY	50.00	\$40.00	\$2,000.00	\$65.00	\$3,250.00	(\$1,250.00)
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	180.00	\$3.33	\$599.40	\$5.00	\$900.00	(\$300.60)
595.5	GEOGRID FOR BASE MATERIALS	SY	80.00	\$6.25	\$500.00	\$6.00	\$480.00	\$20.00
606.1256	TERMINAL UNIT (MAX-TENSION TL 2)	U	2.00	\$6,450.00	\$12,900.00	\$5,000.00	\$10,000.00	\$2,900.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	37.50	\$60.00	\$2,250.00	\$30.00	\$1,125.00	\$1,125.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	260.00	\$40.00	\$10,400.00	\$36.00	\$9,360.00	\$1,040.00
606.9522	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 2	U	4.00	\$2,500.00	\$10,000.00	\$3,300.00	\$13,200.00	(\$3,200.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00	\$0.00
618.7	FLAGGERS	HR	440.00	\$38.00	\$16,720.00	\$27.00	\$11,880.00	\$4,840.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$0.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$1,500.00	\$3,000.00	\$3,500.00	\$7,000.00	(\$4,000.00)
619.253	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UWK	4.00	\$400.00	\$1,600.00	\$250.00	\$1,000.00	\$600.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	2.00	\$5.00	\$10.00	\$5.50	\$11.00	(\$1.00)
621.31	SINGLE DELINEATOR WITH POST	EA	1.00	\$50.00	\$50.00	\$40.00	\$40.00	\$10.00
621.32	DOUBLE DELINEATOR WITH POST	EA	1.00	\$55.00	\$55.00	\$47.00	\$47.00	\$8.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	270.00	\$1.50	\$405.00	\$3.50	\$945.00	(\$540.00)
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	750.00	\$1.50	\$1,125.00	\$2.50	\$1,875.00	(\$750.00)
641.	LOAM	CY	80.00	\$35.00	\$2,800.00	\$65.00	\$5,200.00	(\$2,400.00)
645.3	EROSION STONE	TON	150.00	\$25.00	\$3,750.00	\$35.00	\$5,250.00	(\$1,500.00)

645.512	COMPOST SOCK FOR PERIMETER BERM	LF	450.00	\$4.00	\$1,800.00	\$5.00	\$2,250.00	(\$450.00)
645.531	SILT FENCE	LF	450.00	\$2.50	\$1,125.00	\$3.50	\$1,575.00	(\$450.00)
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$1,800.00	\$1,800.00	\$2,500.00	\$2,500.00	(\$700.00)
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	40.00	\$75.00	\$3,000.00	\$70.00	\$2,800.00	\$200.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	630.00	\$1.00	\$630.00	\$2.50	\$1,575.00	(\$945.00)
647.1	HUMUS	CY	125.00	\$35.00	\$4,375.00	\$36.00	\$4,500.00	(\$125.00)
650.2	LANDSCAPING	U	1.00	\$1,600.00	\$1,600.00	\$600.00	\$600.00	\$1,000.00
670.066	MAILBOX SUPPORT ASSEMBLIES	EA	3.00	\$250.00	\$750.00	\$200.00	\$600.00	\$150.00
692.	MOBILIZATION	U	1.00	\$35,000.00	\$35,000.00	\$35,000.00	\$35,000.00	\$0.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$3,500.00	\$3,500.00	\$3,000.00	\$3,000.00	\$500.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	3,000.00	\$1.00	\$3,000.00	\$1.00	\$3,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$0.00

Total:

\$358,449.40

\$360,678.00

(\$2,228.60)



NORTEAR-01

KPETTIT

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
12/18/2018

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 have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Davis & Towle Morrill & Everett, Inc. 115 Alrport Road Concord, NH 03301	CONTACT NAME: Kathy M. Pettit	
	PHONE (A/C, No, Ext): (603) 715-9739 FAX (A/C, No): (603) 225-7935	
	E-MAIL ADDRESS: kpettit@davistowle.com	
INSURED NorthEast Earth Mechanics, Inc. 159 Barnstead Road Pittsfield, NH 03283	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Acadia Insurance Company	31325
	INSURER B: Westchester Surplus Lines Insurance Co.	
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADOL 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	X		CPA5198627-13	4/23/2018	4/23/2019	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/PROP AGG \$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC OTHER:						
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY			CAA5198635-13	4/23/2018	4/23/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	<input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY						
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB			CUA5198637-13	4/23/2018	4/23/2019	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 Prod/Comp. Ops \$ 10,000,000
	<input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0						
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N <input checked="" type="checkbox"/> N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WPA5198638-14	4/23/2018	4/23/2019	<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
B	Pollution Liability			G27584573004	4/23/2018	4/23/2019	Aggregate 2,000,000
B	Pollution Liability			G27584573004	4/23/2018	4/23/2019	Each Occurrence 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
**Workers Compensation 3A States: NH, MA, ME.

RE: 41352 - Alton. It is agreed and understood that the State of New Hampshire, Department of Transportation is included as additional insured on General Liability for ongoing operations when required by written contract.
Professional Liability included in CPA5198627-13 - Limits: \$1,000,000 Occurrence/\$2,000,00 Aggregate - \$250 Deductible.

CERTIFICATE HOLDER

CANCELLATION

State of New Hampshire Department of Transportation Office of Federal Compliance 7 Hazen Drive Concord, NH 03302-0483	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



NORTEAR-01

KPETTIT

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
12/14/2018

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 have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Davls & Towle Morrill & Everett, Inc. 115 Airport Road Concord, NH 03301	CONTACT NAME: Kathy M. Pettit		
	PHONE (A/C, No, Ext): (603) 715-9739	FAX (A/C, No): (603) 225-7935	
E-MAIL ADDRESS: kpettit@davistowle.com			
INSURED State of New Hampshire c/o Department of Transportation 7 Hazen Drive PO Box 483 Concord, NH 03302	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A: Acadia Insurance Company		31325
	INSURER B:		
	INSURER C:		
	INSURER D:		
	INSURER E:		

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

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

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			OCP5378303-10	12/14/2018	4/25/2020	EACH OCCURRENCE	\$ 2,000,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$
	<input checked="" type="checkbox"/> Owner's, Contractors						MED EXP (Any one person)	\$
	<input checked="" type="checkbox"/> Protective Liab.						PERSONAL & ADV INJURY	\$
GEN'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE	\$ 3,000,000
<input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC							PRODUCTS - COMP/OP AGG	\$
OTHER:								\$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	\$
	<input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY		<input type="checkbox"/> SCHEDULED AUTOS				BODILY INJURY (Per person)	\$
	<input type="checkbox"/> HIRED AUTOS ONLY		<input type="checkbox"/> NON-OWNED AUTOS ONLY				BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
	UMBRELLA LIAB						EACH OCCURRENCE	\$
	EXCESS LIAB						AGGREGATE	\$
								\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						PER STATUTE	OTH-ER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)		<input type="checkbox"/> Y/N	N/A			E.L. EACH ACCIDENT	\$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	\$
							E.L. DISEASE - POLICY LIMIT	\$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
RE: Alton 41352.

CERTIFICATE HOLDER State of New Hampshire c/o Department of Transportation 7 Hazen Drive PO Box 483 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 