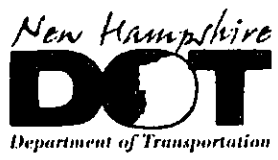


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THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION



Victoria F. Sheehan Commissioner

William Cass, P.E. Assistant Commissioner

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

Bureau of Construction May 28, 2020

REQUESTED ACTION

1. Authorize the Department of Transportation to enter into a contract with R.S. Audley, Inc. (Vendor 154222) of Bow, NH, on the basis of a low bid of \$43,755,824.10 for superstructure replacement and widening of I-89 NB and SB over the Connecticut River (Br. No. 044/103 and 044/104), from the date of Governor and Council approval through September 26, 2025, unless extended by the Department in accordance with the Standard Specifications. 93% Federal Funds, 7% Other Funds (SB367).

Funding is available in State Fiscal Year 2020 and Fiscal Year 2021 and is anticipated to be available in Fiscal Years 2022, 2023, 2024, 2025 and 2026 upon the availability and continued appropriation of funds in the future operating budget, 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 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>
04-96-96-963515-3054			
Consolidated Federal Aid			
400-500870 Highway Contract Payments	\$6,820,915.25	\$6,517,145.29	\$6,517,145.29

04-96-96-963015-8910			
SB 367 Capital Investment			
400-500870 Highway Contract Payments	\$383,258.06	\$445,073.87	\$445,073.87

Funding is available as follows:	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>
04-96-96-963515-3054			
Consolidated Federal Aid			
400-500870 Highway Contract Payments	\$6,148,040.17	\$6,517,145.29	\$6,517,145.29

04-96-96-963015-8910			
SB 367 Capital Investment			
400-500870 Highway Contract Payments	\$814,178.99	\$445,073.87	\$445,073.87

Funding is available as follows:	<u>FY 2026</u>
04-96-96-963515-3054	
Consolidated Federal Aid	
400-500870 Highway Contract Payments	\$1,629,286.52

04-96-96-963015-8910	
SB 367 Capital Investment	
400-500870 Highway Contract Payments	\$111,268.47

2. Further authorize that a contingency in the amount of \$2,187,791.21 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 5% of the contract amount.

Funding is available as follows:	<u>FY 2026</u>
04-96-96-963515-3054	
Consolidated Federal Aid	
400-500870 Highway Contract Payments	\$2,187,791.21

**EXPLANATION**

This project is part of the State's Ten Year Transportation Improvement Plan. This project will address structural deficiencies of the two State Red List bridges that carry I-89 NB and SB over Connecticut River, New England Central Railroad, and Washington County Railroad between the City of Lebanon, NH, and the Town of Hartford, VT. The bridges will be rehabilitated and widened to the median. The existing bridge superstructures will be replaced, and substructures rehabilitated. This project will also address I-89 roadway safety issues between Exit 20 in Lebanon, NH, and I-91 interchange in Hartford, VT. Auxiliary lanes will be constructed on I-89, one NB and one SB, between Exit 20 and the I-91 interchange. The roadway approaches will be widened and realigned to match the bridges, and the Exit 20 and I-91 interchange ramps will be modified to match the auxiliary lanes.

The existing bridges, built in 1966, are twin six-span steel girder structures with a length of 840 feet between abutments. The bridges are narrow—measuring 30 feet between curbs with 3-foot-wide shoulders. The bridges are structurally deficient and have been on the Department's State Red List of deficient bridges since 2011 (SB Bridge (superstructure)), and 2012 (NB Bridge (deck)). The close proximity between Exit 20 ramps and I-91 interchange ramps provides insufficient merge distance, particularly for the I-89 SB on-ramp from I-91 NB, which has likely contributed to the high number of multiple vehicle crashes. This project will remove the bridges from the State Red List, and extend their service life. This project will also improve roadway safety by widening the bridges to provide appropriate roadway shoulders, and auxiliary lanes.

The proposed contingency amount is 5% of the contract amount. The following factors involve higher risks that can potentially increase costs: complicated traffic control plan due to high traffic volumes and phased bridge construction; difficult site access; inability to inspect areas of the bridge that will become exposed when the superstructure is removed; and limitation of operations when working near or above the railroad.

Although the bid costs exceeded the Department's estimate by 2.51% the only bid received is felt to be reasonable for the work involved. 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.

This project was originally advertised on September 24, 2019, with bids opened on October 24, 2019. Six prime contractors pulled plans, and only one submitted a bid which totaled \$46,330,309.00, and was \$9,894,544.40 (27.16%) over the State's estimate of \$36,435,765.00. The contract was not awarded due to the single bid received being 27% over the State's estimate.

Modifications were made to the contract in an effort to entice multiple contractors to submit bids and the project was re-advertised on January 21, 2020, with bids opened on April 23, 2020. Six prime contractors pulled plans, and again only one bid was submitted. The lone bid received was \$43,755,824.10, which is \$1,071,397.30

(2.51%) over the State's estimate of \$42,684,426.80. This bid is \$2,574,484.90 (5.56%) below the previous low bid received.

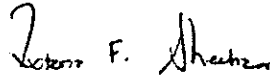
The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General as to form and execution, and the Department has certified that the necessary funds are available and the bid reasonably conforms to the engineer's estimate in accordance with State procedure. 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: New Hampshire Construction: 68% of total construction cost to be funded with \$10M TIGER IX Grant, revenue from SB367, and Federal Funds (Program: High Investment Bridge Rehabilitation & Reconstruction (Bridg-HIB-Rehab-Rcn) and Turnpike Toll Credits). Vermont Construction: The remaining total construction cost of 32% to be funded from their federal fund allotment.

A copy of the Tabulation of Bids received for this project is attached along with the Contract Supplemental Sheet and a map indicating the location of the project.

Your approval of this resolution is respectfully requested.

Sincerely,



Victoria F. Sheehan  
Commissioner

VFS/pcj

Department Estimate: \$42,684,426.80  
Contract Amount: \$43,755,824.10  
Over Estimate: \$ 1,071,397.30  
Attachments



# ABC Bid Data

LEBANON, NH - HARTFORD, VT

16148

A001(154)

PROJECT: LEBANON, NH - HARTFORD, VT

STATE PROJECT NUMBER: 16148

FED. PROJECT NUMBER: A001(154)

DATE BIDS OPEN: April 23, 2020, 2:00

SCOPE OF WORK: Superstructure Replace & Widening, I-89 NB & SB over Connecticut River (Br No 044/103 & 044/104)

COMPLETION DATE: September 26, 2025

LOCATION: Grafton

Awarded To: AUDLEY, R. S., INC.  
1113 ROUTE 3A  
BOW, NH 03304-4025

Amount: \$43,755,824.10

Certified by: PETER.E.STAMNAS  
Director of Project Development

Award Date:

## Summary of Bidders

Contractor	Bid Amount	Rank
AUDLEY, R. S., INC. 1113 ROUTE 3A, BOW NH 03304-4025	\$43,755,824.10	A

Item No.	Description	Unit	Quantity	PS&E		AUDLEY, R. S., INC. 1113 ROUTE 3A BOW, NH 03304-4025		Unit Price	Total
				Unit Price	Total	Unit Price	Total		

Items

201.1	CLEARING AND GRUBBING (F)	A	1.15	\$9,500.00	\$10,925.00	\$25,000.00	\$28,750.00		
201.21	REMOVING SMALL TREES	EA	6.00	\$300.00	\$1,800.00	\$10,000.00	\$60,000.00		
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	2,280.00	\$3.00	\$6,840.00	\$6.00	\$13,680.00		
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	2,881.00	\$5.00	\$14,405.00	\$6.00	\$17,286.00		
202.31	FILL ABANDONED PIPE	CY	50.00	\$300.00	\$15,000.00	\$400.00	\$20,000.00		
202.32	FILL AND ABANDON STRUCTURE	CY	38.00	\$250.00	\$9,500.00	\$400.00	\$15,200.00		
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	1,320.00	\$15.00	\$19,800.00	\$23.00	\$30,360.00		
202.5	REMOVAL OF CATCH BASINS, DROP INLETS, AND MANHOLES	EA	22.00	\$350.00	\$7,700.00	\$485.00	\$10,670.00		
202.7	REMOVAL OF GUARDRAIL	LF	8,280.00	\$2.00	\$16,560.00	\$3.50	\$28,980.00		
203.1	COMMON EXCAVATION	CY	9,000.00	\$15.00	\$135,000.00	\$19.00	\$171,000.00		
203.11	COMMON EXCAVATION - LRS	CY	5,450.00	\$20.00	\$109,000.00	\$22.00	\$119,900.00		
203.2	ROCK EXCAVATION	CY	116.00	\$50.00	\$5,800.00	\$100.00	\$11,600.00		
203.5525	PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM	U	7.00	\$1,000.00	\$7,000.00	\$800.00	\$5,600.00		
203.55261	INSTALLATION AND REMOVAL OF SWZ - PORTABLE QUEUE TRAILER PLATFORM	U	1.00	\$950.00	\$950.00	\$800.00	\$800.00		
203.55262	INSTALLATION AND REMOVAL OF SWZ - PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM	U	1.00	\$1,025.00	\$1,025.00	\$800.00	\$800.00		
203.55264	INSTALLATION AND REMOVAL OF SWZ - MOBILE VIDEO TRAILER PLATFORM	U	2.00	\$1,025.00	\$2,050.00	\$800.00	\$1,600.00		
203.5561	EAGRT PLATFORM PREFERRED	U	4.00	\$1,200.00	\$4,800.00	\$1,000.00	\$4,000.00		
203.6	EMBANKMENT-IN-PLACE (F)	CY	6,156.00	\$12.00	\$73,872.00	\$19.00	\$116,964.00		
206.1	COMMON STRUCTURE EXCAVATION	CY	811.00	\$20.00	\$16,220.00	\$25.00	\$20,275.00		
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	160.00	\$50.00	\$8,000.00	\$100.00	\$16,000.00		
206.2	ROCK STRUCTURE EXCAVATION	CY	50.00	\$100.00	\$5,000.00	\$200.00	\$10,000.00		
207.3	UNCLASSIFIED CHANNEL EXCAVATION	CY	1,890.00	\$45.00	\$85,050.00	\$195.00	\$368,550.00		
207.33	UNCLASSIFIED CHANNEL EXCAVATION FOR CONCRETE ARMOR MATRIX COMPONENTS	CY	1,500.00	\$125.00	\$187,500.00	\$100.00	\$150,000.00		
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	1,602.00	\$60.00	\$96,120.00	\$80.00	\$128,160.00		

Item No.	Description	Unit	Quantity	P&A E		AUDLEY, R. S., INC. 1113 ROUTE 3A BOW, NH 03304-4025		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
211.11	VIBRATION MONITORING SERVICES	HR	280.00	\$71.00	\$19,880.00	\$125.00	\$35,000.00		
211.12	DEFORMATION MONITORING SERVICES	HR	320.00	\$84.00	\$26,880.00	\$220.00	\$70,400.00		
214.	FINE GRADING	U	1.00	\$125,000.00	\$125,000.00	\$138,000.00	\$138,000.00		
304.1	SAND (F)	CY	1,732.00	\$18.00	\$31,176.00	\$43.00	\$74,476.00		
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	548.00	\$30.00	\$16,440.00	\$28.50	\$15,618.00		
304.35	CRUSHED GRAVEL FOR DRIVES	CY	465.00	\$40.00	\$18,600.00	\$57.00	\$26,505.00		
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	7,506.00	\$40.00	\$300,240.00	\$42.00	\$315,252.00		
304.41	CRUSHED STONE (FINE GRADATION) FOR SHIM	CY	5,410.00	\$45.00	\$243,450.00	\$43.00	\$232,630.00		
403.11001	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 1)	TON	17,808.00	\$95.00	\$1,691,760.00	\$100.00	\$1,780,800.00		
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	98.00	\$125.00	\$12,250.00	\$255.00	\$24,990.00		
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	17,808.00	\$2.20	\$39,177.60	\$3.00	\$53,424.00		
403.6	PAVEMENT JOINT ADHESIVE	LF	139,300.00	\$0.30	\$41,790.00	\$0.30	\$41,790.00		
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	3,880.00	\$1.00	\$3,880.00	\$1.10	\$4,268.00		
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	560.00	\$190.00	\$106,400.00	\$165.00	\$92,400.00		
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	5,550.00	\$110.00	\$610,500.00	\$105.00	\$582,750.00		
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	6,921.00	\$6.00	\$41,526.00	\$4.75	\$32,874.75		
417.	COLD PLANING BITUMINOUS SURFACES	SY	32,067.00	\$5.50	\$176,368.50	\$2.75	\$88,184.25		
417.416	RUMBLE STRIPS, 16" WIDE	LF	16,700.00	\$0.50	\$8,350.00	\$0.65	\$10,855.00		
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	5,747.00	\$2.00	\$11,494.00	\$2.35	\$13,505.45		
500.02	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$3,500,000.00	\$3,500,000.00	\$5,900,000.00	\$5,900,000.00		
502.	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$2,500,000.00	\$2,500,000.00	\$2,750,000.00	\$2,750,000.00		
503.201	COFFERDAMS	U	1.00	\$130,000.00	\$130,000.00	\$100,000.00	\$100,000.00		
503.202	COFFERDAMS	U	1.00	\$235,000.00	\$235,000.00	\$100,000.00	\$100,000.00		
503.203	COFFERDAMS	U	1.00	\$240,000.00	\$240,000.00	\$100,000.00	\$100,000.00		
503.204	COFFERDAMS	U	1.00	\$285,000.00	\$285,000.00	\$100,000.00	\$100,000.00		
503.205	COFFERDAMS	U	1.00	\$360,000.00	\$360,000.00	\$150,000.00	\$150,000.00		

Item No.	Description	Unit	Quantity	PS&E		AUDLEY, R. S., INC. 1113 ROUTE 3A BOW, NH 03304-4025		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
503.206	COFFERDAMS	U	1.00	\$80,000.00	\$80,000.00	\$95,000.00	\$95,000.00		
503.207	COFFERDAMS	U	1.00	\$155,000.00	\$155,000.00	\$95,000.00	\$95,000.00		
503.208	COFFERDAMS	U	1.00	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00		
503.209	COFFERDAMS	U	1.00	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00		
503.210	COFFERDAMS	U	1.00	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00		
503.211	COFFERDAMS	U	1.00	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00		
503.212	COFFERDAMS	U	1.00	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00		
504.1	COMMON BRIDGE EXCAVATION (F)	CY	1,590.00	\$21.00	\$33,390.00	\$30.00	\$47,700.00		
504.25	ROCK BRIDGE EXCAVATION MECHANICAL METHODS	CY	30.00	\$150.00	\$4,500.00	\$500.00	\$15,000.00		
508.	STRUCTURAL FILL	CY	230.00	\$60.00	\$13,800.00	\$73.00	\$16,790.00		
510.1	PILE DRIVING EQUIPMENT	U	1.00	\$255,000.00	\$255,000.00	\$350,000.00	\$350,000.00		
510.22	HIGH-STRAIN DYNAMIC TESTING	EA	12.00	\$5,000.00	\$60,000.00	\$4,000.00	\$48,000.00		
510.61	FURNISHING & DRIVING STEEL BEARING PILES	LB	987,000.00	\$0.96	\$947,520.00	\$0.52	\$513,240.00		
510.65	DRIVING-POINTS FOR STEEL BEARING PILES	EA	140.00	\$250.00	\$35,000.00	\$200.00	\$28,000.00		
510.9	PILE SPLICES	EA	122.00	\$225.00	\$27,450.00	\$400.00	\$48,800.00		
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	392.00	\$700.00	\$274,400.00	\$750.00	\$294,000.00		
520.01	CONCRETE CLASS AA	CY	58.00	\$1,200.00	\$67,200.00	\$850.00	\$47,800.00		
520.02	CONCRETE CLASS AA, ABOVE FOOTINGS (F)	CY	1,684.00	\$1,200.00	\$2,020,800.00	\$1,250.00	\$2,105,000.00		
520.0302	CONCRETE CLASS AA APPROACH SLABS (QC/QA) (F)	CY	196.00	\$500.00	\$98,000.00	\$750.00	\$147,000.00		
520.12	CONCRETE CLASS A, ABOVE FOOTINGS (F)	CY	246.00	\$700.00	\$172,200.00	\$1,400.00	\$344,400.00		
520.2	CONCRETE CLASS B	CY	290.00	\$500.00	\$145,000.00	\$500.00	\$145,000.00		
520.21	CONCRETE CLASS B, FOOTINGS (F)	CY	808.00	\$425.00	\$343,400.00	\$500.00	\$404,000.00		
520.421	CONCRETE CLASS F, FLOWABLE FILL, EXCAVATABLE	CY	56.00	\$250.00	\$14,000.00	\$75.00	\$4,200.00		
520.6	CONCRETE CLASS T, FOUNDATION SEAL	CY	990.00	\$265.00	\$262,350.00	\$250.00	\$247,500.00		
520.7002	CONCRETE BRIDGE DECK (QC/QA) (F)	CY	2,188.00	\$1,250.00	\$2,732,500.00	\$1,600.00	\$3,497,600.00		
526.3	HIGH MOLECULAR WEIGHT METHACRYLATE CRACK SEALER	GAL	202.00	\$475.00	\$95,950.00	\$220.00	\$44,440.00		

Item No.	Description	Unit	Quantity	PS&E		AUDLEY, R. S., INC. 1113 ROUTE 3A BOW, NH 03304-4025		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
528.51	PRESTRESSED CONCRETE DECK PANELS (F)	SF	67,888.00	\$20.00	\$1,357,760.00	\$19.00	\$1,289,872.00		
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	524.00	\$88.00	\$46,112.00	\$75.00	\$39,300.00		
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	158.00	\$45.00	\$7,020.00	\$65.00	\$10,140.00		
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	9,672.00	\$21.00	\$203,112.00	\$19.00	\$183,768.00		
540.31	CONCRETE ARMOR MATRIX COMPONENT	EA	17,200.00	\$60.00	\$1,032,000.00	\$50.00	\$860,000.00		
541.1	PVC WATERSTOPS, NH TYPE 1 (F)	LF	216.00	\$10.00	\$2,160.00	\$8.00	\$1,728.00		
541.2	PVC WATERSTOPS, NH TYPE 2 (F)	LF	160.00	\$10.00	\$1,600.00	\$9.00	\$1,440.00		
544.1	REINFORCING STEEL (ROADWAY)	LB	23,200.00	\$2.00	\$46,400.00	\$1.24	\$28,768.00		
544.3	REINFORCING STEEL (CONTRACTOR DETAILED)	LB	498,800.00	\$1.35	\$673,380.00	\$1.70	\$847,960.00		
544.302	REINFORCING STEEL - COUPLERS (CONTRACTOR DETAILED)	EA	250.00	\$150.00	\$37,500.00	\$130.00	\$32,500.00		
544.31	REINFORCING STEEL, EPOXY COATED (CONTRACTOR DETAILED)	LB	592,720.00	\$1.50	\$889,080.00	\$1.54	\$912,788.80		
544.311	REINFORCING STEEL, EPOXY COATED MECHANICAL CONNECTORS (CONTRACTOR DETAILED)	LB	51,320.00	\$6.00	\$307,920.00	\$3.90	\$200,148.00		
544.7	SYNTHETIC FIBER REINFORCEMENT (F)	LB	1,372.00	\$8.00	\$10,976.00	\$5.00	\$6,860.00		
547.	SHEAR CONNECTORS (F)	EA	35,282.00	\$5.00	\$176,410.00	\$6.00	\$211,692.00		
550.1	STRUCTURAL STEEL (F)	LB	3,301,472.00	\$2.10	\$6,933,091.20	\$1.80	\$5,942,649.60		
550.2101	BRIDGE SHOES - HLMR	EA	84.00	\$5,000.00	\$420,000.00	\$3,750.00	\$315,000.00		
550.33	BRIDGE SCUPPER	EA	20.00	\$6,000.00	\$120,000.00	\$3,400.00	\$68,000.00		
581.3001	PREFABRICATED FINGER EXPANSION JOINT (F)	LF	224.00	\$1,450.00	\$324,800.00	\$1,740.00	\$389,760.00		
582.1	SILICONE JOINT SEALANT (F)	LF	388.00	\$15.00	\$5,520.00	\$19.00	\$6,992.00		
583.23	BRIDGE RAIL T3	LF	1,582.00	\$165.00	\$261,030.00	\$160.00	\$253,120.00		
583.231	BRIDGE RAIL T3 WITH PROTECTIVE SCREENING	LF	202.00	\$250.00	\$50,500.00	\$300.00	\$60,600.00		
585.232	BRIDGE APPROACH RAIL T3 (STEEL POSTS)	U	4.00	\$6,000.00	\$24,000.00	\$6,200.00	\$24,800.00		
585.802	ADJUSTING BRIDGE APPROACH RAIL	U	3.00	\$400.00	\$1,200.00	\$520.00	\$1,560.00		
585.2	STONE FILL, CLASS B	CY	31.00	\$50.00	\$1,550.00	\$105.00	\$3,255.00		
585.3	STONE FILL, CLASS C	CY	785.00	\$40.00	\$31,400.00	\$50.00	\$39,250.00		
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	310.00	\$3.00	\$930.00	\$10.00	\$3,100.00		



Item No.	Description	Unit	Quantity	P&E		AUDLEY, R. S., INC. 1113 ROUTE 3A BOW, NH 03304-4025		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
593.421	GEOTEXTILE; PERM CONTROL CL.2, NON-WOVEN	SY	366.00	\$3.00	\$1,098.00	\$10.00	\$3,660.00		
603.0001	VIDEO INSPECTION	LF	7,320.00	\$2.00	\$14,640.00	\$1.00	\$7,320.00		
603.00212	12" R.C. PIPE, 2000D	LF	55.00	\$45.00	\$2,475.00	\$300.00	\$16,500.00		
603.00215	15" R.C. PIPE, 2000D	LF	2,431.00	\$75.00	\$182,325.00	\$90.00	\$218,790.00		
603.00218	18" R.C. PIPE, 2000D	LF	2,938.00	\$85.00	\$249,730.00	\$105.00	\$308,490.00		
603.00224	24" R.C. PIPE, 2000D	LF	1,721.00	\$95.00	\$163,495.00	\$115.00	\$197,915.00		
603.30115	15" R.C. END SECTIONS	EA	1.00	\$700.00	\$700.00	\$725.00	\$725.00		
603.30118	18" R.C. END SECTIONS	EA	6.00	\$800.00	\$4,800.00	\$785.00	\$4,710.00		
603.30124	24" R.C. END SECTIONS	EA	5.00	\$1,000.00	\$5,000.00	\$1,000.00	\$5,000.00		
603.80124	24" PLASTIC PIPE (CURRUGATED INTERIOR)	LF	35.00	\$55.00	\$1,925.00	\$180.00	\$6,300.00		
603.80218	18" PLASTIC PIPE (SMOOTH INTERIOR)	LF	88.00	\$50.00	\$4,400.00	\$80.00	\$7,040.00		
603.99015	15" TEMPORARY DRAINAGE PIPE	LF	384.00	\$50.00	\$18,200.00	\$105.00	\$38,220.00		
604.0007	POLYETHYLENE LINER	EA	61.00	\$150.00	\$9,150.00	\$235.00	\$14,335.00		
604.124	CATCH BASINS TYPE B, 4-FOOT DIAMETER	U	34.00	\$2,100.00	\$71,400.00	\$2,800.00	\$95,200.00		
604.125	CATCH BASINS TYPE B, 5-FOOT DIAMETER	U	4.00	\$3,000.00	\$12,000.00	\$4,000.00	\$16,000.00		
604.154	CATCH BASINS TYPE E, 4-FOOT DIAMETER	U	26.00	\$2,100.00	\$54,600.00	\$3,100.00	\$80,600.00		
604.155	CATCH BASINS TYPE E, 5-FOOT DIAMETER	U	10.00	\$3,000.00	\$30,000.00	\$4,300.00	\$43,000.00		
604.156	CATCH BASINS TYPE E, 6-FOOT DIAMETER	U	1.70	\$3,500.00	\$5,950.00	\$6,000.00	\$10,200.00		
604.2249	TEMPORARY DROP INLET TYPE B, 4-FOOT DIAMETER	U	34.00	\$2,200.00	\$74,800.00	\$2,800.00	\$95,200.00		
604.324	DRAINAGE MANHOLES, 4-FOOT DIAMETER	U	5.00	\$2,000.00	\$10,000.00	\$2,900.00	\$14,500.00		
604.3249	TEMPORARY DRAINAGE MANHOLES, 4-FOOT DIAMETER	U	1.00	\$2,100.00	\$2,100.00	\$2,900.00	\$2,900.00		
604.325	DRAINAGE MANHOLES, 5-FOOT DIAMETER	U	6.00	\$3,000.00	\$18,000.00	\$3,700.00	\$22,200.00		
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	10.00	\$400.00	\$4,000.00	\$525.00	\$5,250.00		
604.62	DRAINAGE MANHOLE COVERS AND FRAMES	EA	1.00	\$500.00	\$500.00	\$675.00	\$675.00		
604.9101	OUTLET CONTROL STRUCTURE	U	1.00	\$4,000.00	\$4,000.00	\$4,500.00	\$4,500.00		
604.9102	OUTLET CONTROL STRUCTURE	U	1.00	\$4,000.00	\$4,000.00	\$4,200.00	\$4,200.00		

Item No.	Description	Unit	Quantity	PS&E		AUDLEY, R. S., INC. 1113 ROUTE 3A BOW, NH 03304-4025		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
605.508	6" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	460.00	\$25.00	\$11,500.00	\$33.00	\$15,180.00		
605.79	UNDERDRAIN FLUSHING BASINS	EA	2.00	\$400.00	\$800.00	\$450.00	\$900.00		
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGR1, TL 3) (STEEL POST)	U	4.00	\$2,000.00	\$8,000.00	\$4,000.00	\$16,000.00		
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	5.00	\$500.00	\$2,500.00	\$900.00	\$4,500.00		
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	6,000.00	\$18.00	\$108,000.00	\$25.00	\$150,000.00		
606.28001	31" DOUBLE FACED W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	1,400.00	\$23.00	\$32,200.00	\$35.00	\$49,000.00		
606.322	DOUBLE FACED TRANSITION RAIL, STEEL POST	U	2.00	\$4,500.00	\$9,000.00	\$6,250.00	\$12,500.00		
606.41231	TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	U	2.00	\$3,000.00	\$6,000.00	\$3,500.00	\$7,000.00		
606.413	SINGLE SLOPE CONCRETE MEDIAN BARRIER, PRECAST	LF	1,360.00	\$140.00	\$190,400.00	\$120.00	\$163,200.00		
606.4139	SINGLE SLOPE CONCRETE MEDIAN BARRIER (MODIFIED), PRECAST	LF	1,020.00	\$125.00	\$127,500.00	\$150.00	\$153,000.00		
606.41392	SINGLE SLOPE CONCRETE MEDIAN BARRIER (MODIFIED), WITH EXPANSION PLATES, PRECAST	LF	78.00	\$200.00	\$15,600.00	\$550.00	\$42,900.00		
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	8,280.00	\$40.00	\$331,200.00	\$22.00	\$182,160.00		
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	1,680.00	\$100.00	\$168,000.00	\$60.00	\$100,800.00		
606.4239	MODIFIED SINGLE SLOPE CONCRETE BARRIER, CAST-IN-PLACE	LF	500.00	\$250.00	\$125,000.00	\$295.00	\$147,500.00		
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	4.00	\$5,000.00	\$20,000.00	\$9,500.00	\$38,000.00		
606.9612	TEMPORARY GUARDRAIL TO BARRIER TRANSITION (STEEL POST)	U	13.00	\$2,200.00	\$28,600.00	\$5,500.00	\$71,500.00		
606.9632	TEMPORARY BARRIER TO BRIDGE RAIL TRANSITION (STEEL POSTS)	U	5.00	\$2,500.00	\$12,500.00	\$4,000.00	\$20,000.00		
607.72620	20' OPENING DOUBLE GATE, CHAIN LINK ALUM. COATED STEEL FABRIC, 6' HIGH	U	1.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00		
608.28	8" CONCRETE SIDEWALK (F)	SY	194.00	\$65.00	\$12,610.00	\$50.00	\$9,700.00		
609.01	STRAIGHT GRANITE CURB	LF	45.00	\$55.00	\$2,475.00	\$51.00	\$2,295.00		
609.214	STRAIGHT GRANITE SLOPE CURB, 4" HIGH	LF	1,021.00	\$20.00	\$20,420.00	\$43.00	\$43,903.00		
609.234	CURVED GRANITE SLOPE CURB 4" HIGH	LF	8.00	\$70.00	\$560.00	\$100.00	\$800.00		
609.5	RESET GRANITE CURB	LF	1,232.00	\$20.00	\$24,640.00	\$30.00	\$36,960.00		
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	5,400.00	\$8.00	\$43,200.00	\$6.30	\$34,020.00		
614.3429	4 INCH 2-DUCT STEEL CONDUIT (BRIDGE)	LF	1,005.00	\$110.00	\$110,550.00	\$150.00	\$150,750.00		

Item No.	Description	Unit	Quantity	PS&E		AUDLEY, R. S., INC. 1113 ROUTE 3A BOW, NH 03304-4025		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
614.51822	CONCRETE FIBER OPTIC SPLICE VAULT 48"X72"X48"	U	2.00	\$4,795.00	\$9,590.00	\$8,400.00	\$16,800.00		
614.522	MOLDED PULL BOX 13"X24"	EA	3.00	\$300.00	\$900.00	\$575.00	\$1,725.00		
614.523	MOLDED PULL BOX 17"X30"	EA	6.00	\$410.00	\$2,460.00	\$630.00	\$3,780.00		
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	470.00	\$16.00	\$7,520.00	\$26.00	\$12,220.00		
614.73118	3" PVC CONDUIT, SCHEDULE 60	LF	115.00	\$26.00	\$2,990.00	\$80.00	\$9,200.00		
614.74221	4" 2-DUCT HDPE CONDUIT, SDR 13.5	LF	1,600.00	\$20.00	\$32,000.00	\$32.00	\$51,200.00		
615.01201	TRAFFIC SIGN TYPE A, BREAKAWAY MOUNTS	SF	39.00	\$85.00	\$3,315.00	\$175.00	\$6,825.00		
615.013	REMOVING TRAFFIC SIGN TYPE A	U	6.00	\$500.00	\$3,000.00	\$800.00	\$4,800.00		
615.014	RELOCATING TRAFFIC SIGN TYPE A	U	6.00	\$500.00	\$4,000.00	\$6,300.00	\$50,400.00		
615.0201	TRAFFIC SIGN TYPE B	SF	488.00	\$60.00	\$29,280.00	\$95.00	\$46,360.00		
615.02201	TRAFFIC SIGN TYPE B, BREAKAWAY MOUNTS	SF	42.50	\$250.00	\$10,625.00	\$140.00	\$5,950.00		
615.023	REMOVING TRAFFIC SIGN TYPE B	U	6.00	\$350.00	\$2,100.00	\$160.00	\$960.00		
615.024	RELOCATING TRAFFIC SIGN TYPE B	U	13.00	\$250.00	\$3,250.00	\$435.00	\$5,655.00		
615.033	REMOVING TRAFFIC SIGN, TYPE C	U	25.00	\$400.00	\$10,000.00	\$21.00	\$525.00		
615.034	RELOCATING TRAFFIC SIGN, TYPE C	U	12.00	\$250.00	\$3,000.00	\$155.00	\$1,860.00		
615.0401	TRAFFIC SIGN TYPE AA	SF	1,675.00	\$25.00	\$41,875.00	\$27.00	\$45,225.00		
615.0501	TRAFFIC SIGN TYPE BB	SF	75.00	\$20.00	\$1,500.00	\$23.00	\$1,725.00		
615.10001	FULL TRAFFIC SIGN STRUCTURE	U	1.00	\$200,000.00	\$200,000.00	\$90,000.00	\$90,000.00		
615.10002	FULL TRAFFIC SIGN STRUCTURE	U	1.00	\$168,000.00	\$168,000.00	\$95,000.00	\$95,000.00		
615.10301	REMOVING FULL TRAFFIC SIGN STRUCTURE	U	1.00	\$10,000.00	\$10,000.00	\$8,000.00	\$8,000.00		
615.20001	CANTILEVER TRAFFIC SIGN STRUCTURE	U	1.00	\$70,000.00	\$70,000.00	\$45,000.00	\$45,000.00		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	400,000.00	\$1.00	\$400,000.00	\$1.00	\$400,000.00		
618.7	FLAGGERS	HR	1,200.00	\$25.00	\$30,000.00	\$38.00	\$43,200.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$450,000.00	\$450,000.00	\$325,000.00	\$325,000.00		
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	7.00	\$5,000.00	\$35,000.00	\$17,500.00	\$122,500.00		
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	1.00	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00		

Item No.	Description	Unit	Quantity	PS&E		AUDLEY, R. S., INC. 1113 ROUTE 3A BOW, NH 03304-8025		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
619.502	WORK ZONE ITS OPERATIONAL COSTS (WINTER)	MON	20.00	\$1,800.00	\$36,000.00	\$1,350.00	\$27,000.00		
619.503	WORK ZONE ITS OPERATIONAL COSTS (SUMMER)	MON	40.00	\$900.00	\$36,000.00	\$775.00	\$31,000.00		
619.51	PORTABLE QUEUE TRAILER / SENSOR (PQT)	MON	240.00	\$645.00	\$154,800.00	\$525.00	\$126,000.00		
619.52	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)	MON	420.00	\$865.00	\$363,300.00	\$700.00	\$294,000.00		
619.54	MOBILE VIDEO TRAILER WITH PAN TILT ZOOM (PTZ)	MON	120.00	\$1,200.00	\$144,000.00	\$1,100.00	\$132,000.00		
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$10,000.00	\$20,000.00	\$50,000.00	\$100,000.00		
619.91	RELOCATE WORK ZONE ITS DEVICE	U	4.00	\$400.00	\$1,600.00	\$235.00	\$940.00		
621.1	RETROREFLECTIVE MEDIAN BARRIER DELINEATOR	EA	33.00	\$15.00	\$495.00	\$25.00	\$825.00		
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	99.00	\$5.00	\$495.00	\$5.25	\$519.75		
621.31	SINGLE DELINEATOR WITH POST	EA	69.00	\$40.00	\$2,760.00	\$60.00	\$4,140.00		
621.32	DOUBLE DELINEATOR WITH POST	EA	4.00	\$45.00	\$180.00	\$65.00	\$260.00		
622.1	STEEL WITNESS MARKERS	EA	36.00	\$35.00	\$1,260.00	\$37.50	\$1,350.00		
625.2	CONCRETE LIGHT POLE BASES, TYPE B	EA	2.00	\$1,500.00	\$3,000.00	\$2,100.00	\$4,200.00		
628.2	SAWED BITUMINOUS PAVEMENT-	LF	340.00	\$2.00	\$680.00	\$2.00	\$680.00		
631.024	MODULAR GLARE SCREEN	LF	5,600.00	\$30.00	\$168,000.00	\$24.50	\$137,200.00		
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	392,200.00	\$0.15	\$58,830.00	\$0.25	\$98,050.00		
632.0112	RETROREFLECTIVE PAINT PAVE. MARKING, 12" LINE	LF	19,700.00	\$0.35	\$6,895.00	\$0.45	\$8,865.00		
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	18,100.00	\$1.40	\$25,340.00	\$4.00	\$72,400.00		
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	2,322.00	\$2.50	\$5,805.00	\$3.75	\$8,707.50		
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	92,500.00	\$0.50	\$46,250.00	\$0.55	\$50,875.00		
643.21	FERTILIZER FOR REFERTILIZATION	LB	4,369.00	\$0.50	\$2,184.50	\$1.30	\$5,679.70		
645.0001	TURBIDITY BARRIER	LF	470.00	\$35.00	\$16,450.00	\$100.00	\$47,000.00		
645.3	EROSION STONE	TON	1,680.00	\$30.00	\$50,400.00	\$26.00	\$43,680.00		
645.44	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	SY	1,170.00	\$2.00	\$2,340.00	\$2.00	\$2,340.00		
645.45	PERMANENT CHANNEL MATTING TYPE A	SY	1,300.00	\$5.00	\$6,500.00	\$7.50	\$9,750.00		
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	10,590.00	\$5.00	\$52,950.00	\$5.00	\$52,950.00		

Item No.	Description	Unit	Quantity	PS&E		AUDLEY, R. S., INC. 1113 ROUTE 3A BOW, NH 03304-4025		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
645.531	SILT FENCE	LF	10,580.00	\$3.00	\$31,770.00	\$5.00	\$52,950.00		
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00		
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	1,000.00	\$70.00	\$70,000.00	\$85.00	\$85,000.00		
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	23,876.00	\$1.00	\$23,876.00	\$0.80	\$19,100.80		
647.16	HUMUS, 6" DEEP	CY	5,313.00	\$25.00	\$132,825.00	\$23.50	\$124,855.50		
647.22	HUMUS, INTERMIXED, 2" DEEP	CY	72.00	\$40.00	\$2,880.00	\$38.00	\$2,736.00		
647.29	WETLAND HUMUS	CY	181.00	\$40.00	\$7,240.00	\$32.00	\$5,792.00		
670.04501	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$17,000.00	\$17,000.00	\$20,000.00	\$20,000.00		
670.04502	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$25,000.00	\$25,000.00	\$34,000.00	\$34,000.00		
670.04503	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$14,000.00	\$14,000.00	\$12,000.00	\$12,000.00		
670.04504	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$16,000.00	\$16,000.00	\$12,000.00	\$12,000.00		
670.04505	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$22,000.00	\$22,000.00	\$17,000.00	\$17,000.00		
670.104	TEMPORARY PORTABLE LIGHTING	U	4.00	\$10,000.00	\$40,000.00	\$15,000.00	\$60,000.00		
670.822	GNSS CONSTRUCTION INSPECTION EQUIPMENT	U	1.00	\$15,000.00	\$15,000.00	\$27,000.00	\$27,000.00		
670.95	TEMPORARY SAFETY FENCE	LF	530.00	\$3.50	\$1,855.00	\$10.00	\$5,300.00		
677.1201	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN (DMS)	U	1.00	\$77,000.00	\$77,000.00	\$90,000.00	\$90,000.00		
677.4201	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$157,000.00	\$157,000.00	\$130,000.00	\$130,000.00		
677.46501	MOTOR VEHICLE DETECTION SYSTEM (MVDS) WITHOUT POLE	U	1.00	\$15,000.00	\$15,000.00	\$15,500.00	\$15,500.00		
677.6301	METER AND DISCONNECT PEDESTAL	U	1.00	\$4,200.00	\$4,200.00	\$4,700.00	\$4,700.00		
677.67101	SOLAR POWERED SYSTEM (GROUND MOUNTED)	U	1.00	\$16,000.00	\$16,000.00	\$35,000.00	\$35,000.00		
677.67201	SOLAR POWERED SYSTEM (POLE MOUNTED)	U	1.00	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00		
677.9302	3-CONDUCTOR #2 AWG CABLE	LF	60.00	\$7.00	\$420.00	\$8.40	\$504.00		
677.9308	3-CONDUCTOR #8 AWG CABLE	LF	200.00	\$4.00	\$800.00	\$4.20	\$840.00		
692.	MOBILIZATION	U	1.00	\$3,500,000.00	\$3,500,000.00	\$2,165,000.00	\$2,165,000.00		
693.	ON-THE-JOB TRAINING OF UNSKILLED WORKERS	\$	2,400.00	\$1.00	\$2,400.00	\$1.00	\$2,400.00		
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00		

# ABC Bid Data

LEBANON, NH - HARTFORD, VT

16148

A001(154)

Item No.	Description	Unit	Quantity	PS&E		AUDLEY, R. S., INC. 1113 ROUTE 3A BOW, NH 03304-4025		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$5,000.00	\$5,000.00	\$1,500.00	\$1,500.00		
697.41	CRITICAL PATH METHOD (CPM) ELECTRONIC SCHEDULE	U	1.00	\$5,000.00	\$5,000.00	\$1,499.00	\$1,499.00		
698.12	FIELD OFFICE TYPE B	MON	67.00	\$1,900.00	\$127,300.00	\$2,100.00	\$140,700.00		
698.2	PHYSICAL TESTING LABORATORY	MON	65.00	\$1,000.00	\$65,000.00	\$900.00	\$58,500.00		
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	120,000.00	\$1.00	\$120,000.00	\$1.00	\$120,000.00		
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	100,000.00	\$1.00	\$100,000.00	\$1.00	\$100,000.00		
1010.15	FUEL ADJUSTMENT	\$	250,000.00	\$1.00	\$250,000.00	\$1.00	\$250,000.00		
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	50,000.00	\$1.00	\$50,000.00	\$1.00	\$50,000.00		
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	63,768.00	\$1.00	\$63,768.00	\$1.00	\$63,768.00		
1010.41	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE	\$	141,640.00	\$1.00	\$141,640.00	\$1.00	\$141,640.00		
<b>Totals:</b>				<b>\$42,684,426.80</b>		<b>\$43,755,824.10</b>			
<b>Alt. Totals:</b>									
<b>Totals:</b>				<b>\$42,684,426.80</b>		<b>\$43,755,824.10</b>			



# PS&E Comparison

LEBANON, NH - HARTFORD, VT

16148

A001(154)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
<b>Items</b>								
201.1	CLEARING AND GRUBBING (F)	A	1.15	\$25,000.00	\$28,750.00	\$9,500.00	\$10,925.00	\$17,825.00
201.21	REMOVING SMALL TREES	EA	6.00	\$10,000.00	\$60,000.00	\$300.00	\$1,800.00	\$58,200.00
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	2,280.00	\$6.00	\$13,680.00	\$3.00	\$6,840.00	\$6,840.00
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	2,881.00	\$6.00	\$17,286.00	\$5.00	\$14,405.00	\$2,881.00
202.31	FILL ABANDONED PIPE	CY	50.00	\$400.00	\$20,000.00	\$300.00	\$15,000.00	\$5,000.00
202.32	FILL AND ABANDON STRUCTURE	CY	38.00	\$400.00	\$15,200.00	\$250.00	\$9,500.00	\$5,700.00
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	1,320.00	\$23.00	\$30,360.00	\$15.00	\$19,800.00	\$10,560.00
202.5	REMOVAL OF CATCH BASINS, DROP INLETS, AND MANHOLES	EA	22.00	\$485.00	\$10,670.00	\$350.00	\$7,700.00	\$2,970.00
202.7	REMOVAL OF GUARDRAIL	LF	8,280.00	\$3.50	\$28,980.00	\$2.00	\$16,560.00	\$12,420.00
203.1	COMMON EXCAVATION	CY	9,000.00	\$19.00	\$171,000.00	\$15.00	\$135,000.00	\$36,000.00
203.11	COMMON EXCAVATION - LRS	CY	5,450.00	\$22.00	\$119,900.00	\$20.00	\$109,000.00	\$10,900.00
203.2	ROCK EXCAVATION	CY	116.00	\$100.00	\$11,600.00	\$50.00	\$5,800.00	\$5,800.00
203.5525	PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM	U	7.00	\$800.00	\$5,600.00	\$1,000.00	\$7,000.00	(\$1,400.00)
203.55261	INSTALLATION AND REMOVAL OF SWZ - PORTABLE QUEUE TRAILER PLATFORM	U	1.00	\$800.00	\$800.00	\$950.00	\$950.00	(\$150.00)



# PS&E Comparison

LEBANON, NH - HARTFORD, VT

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Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
203.55262	INSTALLATION AND REMOVAL OF SWZ - PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM	U	1.00	\$800.00	\$800.00	\$1,025.00	\$1,025.00	(\$225.00)
203.55264	INSTALLATION AND REMOVAL OF SWZ - MOBILE VIDEO TRAILER PLATFORM	U	2.00	\$800.00	\$1,600.00	\$1,025.00	\$2,050.00	(\$450.00)
203.5561	EAGRT PLATFORM PREFERRED	U	4.00	\$1,000.00	\$4,000.00	\$1,200.00	\$4,800.00	(\$800.00)
203.6	EMBANKMENT-IN-PLACE (F)	CY	6,156.00	\$19.00	\$116,964.00	\$12.00	\$73,872.00	\$43,092.00
206.1	COMMON STRUCTURE EXCAVATION	CY	811.00	\$25.00	\$20,275.00	\$20.00	\$16,220.00	\$4,055.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	160.00	\$100.00	\$16,000.00	\$50.00	\$8,000.00	\$8,000.00
206.2	ROCK STRUCTURE EXCAVATION	CY	50.00	\$200.00	\$10,000.00	\$100.00	\$5,000.00	\$5,000.00
207.3	UNCLASSIFIED CHANNEL EXCAVATION	CY	1,890.00	\$195.00	\$368,550.00	\$45.00	\$85,050.00	\$283,500.00
207.33	UNCLASSIFIED CHANNEL EXCAVATION FOR CONCRETE ARMOR MATRIX COMPONENTS	CY	1,500.00	\$100.00	\$150,000.00	\$125.00	\$187,500.00	(\$37,500.00)
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	1,602.00	\$80.00	\$128,160.00	\$60.00	\$96,120.00	\$32,040.00
211.11	VIBRATION MONITORING SERVICES	HR	280.00	\$125.00	\$35,000.00	\$71.00	\$19,880.00	\$15,120.00
211.12	DEFORMATION MONITORING SERVICES	HR	320.00	\$220.00	\$70,400.00	\$84.00	\$26,880.00	\$43,520.00
214.	FINE GRADING	U	1.00	\$138,000.00	\$138,000.00	\$125,000.00	\$125,000.00	\$13,000.00
304.1	SAND (F)	CY	1,732.00	\$43.00	\$74,476.00	\$18.00	\$31,176.00	\$43,300.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	548.00	\$28.50	\$15,618.00	\$30.00	\$16,440.00	(\$822.00)
304.35	CRUSHED GRAVEL FOR DRIVES	CY	465.00	\$57.00	\$26,505.00	\$40.00	\$18,600.00	\$7,905.00





# PS&E Comparison

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Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	7,506.00	\$42.00	\$315,252.00	\$40.00	\$300,240.00	\$15,012.00
304.41	CRUSHED STONE (FINE GRADATION) FOR SHIM	CY	5,410.00	\$43.00	\$232,630.00	\$45.00	\$243,450.00	(\$10,820.00)
403.11001	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 1)	TON	17,808.00	\$100.00	\$1,780,800.00	\$95.00	\$1,691,760.00	\$89,040.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	98.00	\$255.00	\$24,990.00	\$125.00	\$12,250.00	\$12,740.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	17,808.00	\$3.00	\$53,424.00	\$2.20	\$39,177.60	\$14,246.40
403.6	PAVEMENT JOINT ADHESIVE	LF	139,300.00	\$0.30	\$41,790.00	\$0.30	\$41,790.00	\$0.00
403.61	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	LF	3,880.00	\$1.10	\$4,268.00	\$1.00	\$3,880.00	\$388.00
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE	TON	560.00	\$165.00	\$92,400.00	\$190.00	\$106,400.00	(\$14,000.00)
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	5,550.00	\$105.00	\$582,750.00	\$110.00	\$610,500.00	(\$27,750.00)
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	6,921.00	\$4.75	\$32,874.75	\$6.00	\$41,526.00	(\$8,651.25)
417.	COLD PLANING BITUMINOUS SURFACES	SY	32,067.00	\$2.75	\$88,184.25	\$5.50	\$176,368.50	(\$88,184.25)
417.416	RUMBLE STRIPS, 16" WIDE	LF	16,700.00	\$0.65	\$10,855.00	\$0.50	\$8,350.00	\$2,505.00
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	5,747.00	\$2.35	\$13,505.45	\$2.00	\$11,494.00	\$2,011.45
500.02	ACCESS FOR BRIDGE CONSTRUCTION	U	1.00	\$5,900,000.00	\$5,900,000.00	\$3,500,000.00	\$3,500,000.00	\$2,400,000.00
502.	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$2,750,000.00	\$2,750,000.00	\$2,500,000.00	\$2,500,000.00	\$250,000.00
503.201	COFFERDAMS	U	1.00	\$100,000.00	\$100,000.00	\$130,000.00	\$130,000.00	(\$30,000.00)



# PS&E Comparison

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Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
503.202	COFFERDAMS	U	1.00	\$100,000.00	\$100,000.00	\$235,000.00	\$235,000.00	(\$135,000.00)
503.203	COFFERDAMS	U	1.00	\$100,000.00	\$100,000.00	\$240,000.00	\$240,000.00	(\$140,000.00)
503.204	COFFERDAMS	U	1.00	\$100,000.00	\$100,000.00	\$285,000.00	\$285,000.00	(\$185,000.00)
503.205	COFFERDAMS	U	1.00	\$150,000.00	\$150,000.00	\$360,000.00	\$360,000.00	(\$210,000.00)
503.206	COFFERDAMS	U	1.00	\$95,000.00	\$95,000.00	\$80,000.00	\$80,000.00	\$15,000.00
503.207	COFFERDAMS	U	1.00	\$95,000.00	\$95,000.00	\$155,000.00	\$155,000.00	(\$60,000.00)
503.208	COFFERDAMS	U	1.00	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$10,000.00
503.209	COFFERDAMS	U	1.00	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$10,000.00
503.210	COFFERDAMS	U	1.00	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$10,000.00
503.211	COFFERDAMS	U	1.00	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$10,000.00
503.212	COFFERDAMS	U	1.00	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$10,000.00
504.1	COMMON BRIDGE EXCAVATION (F)	CY	1,590.00	\$30.00	\$47,700.00	\$21.00	\$33,390.00	\$14,310.00
504.25	ROCK BRIDGE EXCAVATION MECHANICAL METHODS	CY	30.00	\$500.00	\$15,000.00	\$150.00	\$4,500.00	\$10,500.00
508.	STRUCTURAL FILL	CY	230.00	\$73.00	\$16,790.00	\$60.00	\$13,800.00	\$2,990.00
510.1	PILE DRIVING EQUIPMENT	U	1.00	\$350,000.00	\$350,000.00	\$255,000.00	\$255,000.00	\$95,000.00
510.22	HIGH-STRAIN DYNAMIC TESTING	EA	12.00	\$4,000.00	\$48,000.00	\$5,000.00	\$60,000.00	(\$12,000.00)
510.61	FURNISHING & DRIVING STEEL BEARING PILES	LB	987,000.00	\$0.52	\$513,240.00	\$0.96	\$947,520.00	(\$434,280.00)



# PS&E Comparison

LEBANON, NH - HARTFORD, VT

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Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
510.65	DRIVING-POINTS FOR STEEL BEARING PILES	EA	140.00	\$200.00	\$28,000.00	\$250.00	\$35,000.00	(\$7,000.00)
510.9	PILE SPLICES	EA	122.00	\$400.00	\$48,800.00	\$225.00	\$27,450.00	\$21,350.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	392.00	\$750.00	\$294,000.00	\$700.00	\$274,400.00	\$19,600.00
520.01	CONCRETE CLASS AA	CY	56.00	\$850.00	\$47,600.00	\$1,200.00	\$67,200.00	(\$19,600.00)
520.02	CONCRETE CLASS AA, ABOVE FOOTINGS (F)	CY	1,684.00	\$1,250.00	\$2,105,000.00	\$1,200.00	\$2,020,800.00	\$84,200.00
520.0302	CONCRETE CLASS AA APPROACH SLABS (QC/QA) (F)	CY	196.00	\$750.00	\$147,000.00	\$500.00	\$98,000.00	\$49,000.00
520.12	CONCRETE CLASS A, ABOVE FOOTINGS (F)	CY	246.00	\$1,400.00	\$344,400.00	\$700.00	\$172,200.00	\$172,200.00
520.2	CONCRETE CLASS B	CY	290.00	\$500.00	\$145,000.00	\$500.00	\$145,000.00	\$0.00
520.21	CONCRETE CLASS B, FOOTINGS (F)	CY	808.00	\$500.00	\$404,000.00	\$425.00	\$343,400.00	\$60,600.00
520.421	CONCRETE CLASS F, FLOWABLE FILL, EXCAVATABLE	CY	56.00	\$75.00	\$4,200.00	\$250.00	\$14,000.00	(\$9,800.00)
520.6	CONCRETE CLASS T, FOUNDATION SEAL	CY	990.00	\$250.00	\$247,500.00	\$265.00	\$262,350.00	(\$14,850.00)
520.7002	CONCRETE BRIDGE DECK (QC/QA) (F)	CY	2,186.00	\$1,600.00	\$3,497,600.00	\$1,250.00	\$2,732,500.00	\$765,100.00
526.3	HIGH MOLECULAR WEIGHT METHACRYLATE CRACK SEALER	GAL	202.00	\$220.00	\$44,440.00	\$475.00	\$95,950.00	(\$51,510.00)
528.51	PRESTRESSED CONCRETE DECK PANELS (F)	SF	67,888.00	\$19.00	\$1,289,872.00	\$20.00	\$1,357,760.00	(\$67,888.00)
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	524.00	\$75.00	\$39,300.00	\$88.00	\$46,112.00	(\$6,812.00)
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	156.00	\$65.00	\$10,140.00	\$45.00	\$7,020.00	\$3,120.00

## PS&E Comparison

LEBANON, NH - HARTFORD, VT

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A001(154)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
538.6	BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F)	SY	9,672.00	\$19.00	\$183,768.00	\$21.00	\$203,112.00	(\$19,344.00)
540.31	CONCRETE ARMOR MATRIX COMPONENT	EA	17,200.00	\$50.00	\$860,000.00	\$60.00	\$1,032,000.00	(\$172,000.00)
541.1	PVC WATERSTOPS, NH TYPE 1 (F)	LF	216.00	\$8.00	\$1,728.00	\$10.00	\$2,160.00	(\$432.00)
541.2	PVC WATERSTOPS, NH TYPE 2 (F)	LF	160.00	\$9.00	\$1,440.00	\$10.00	\$1,600.00	(\$160.00)
544.1	REINFORCING STEEL (ROADWAY)	LB	23,200.00	\$1.24	\$28,768.00	\$2.00	\$46,400.00	(\$17,632.00)
544.3	REINFORCING STEEL (CONTRACTOR DETAILED)	LB	498,800.00	\$1.70	\$847,960.00	\$1.35	\$673,380.00	\$174,580.00
544.302	REINFORCING STEEL - COUPLERS (CONTRACTOR DETAILED)	EA	250.00	\$130.00	\$32,500.00	\$150.00	\$37,500.00	(\$5,000.00)
544.31	REINFORCING STEEL, EPOXY COATED (CONTRACTOR DETAILED)	LB	592,720.00	\$1.54	\$912,788.80	\$1.50	\$889,080.00	\$23,708.80
544.311	REINFORCING STEEL, EPOXY COATED MECHANICAL CONNECTORS (CONTRACTOR DETAILED)	LB	51,320.00	\$3.90	\$200,148.00	\$6.00	\$307,920.00	(\$107,772.00)
544.7	SYNTHETIC FIBER REINFORCEMENT (F)	LB	1,372.00	\$5.00	\$6,860.00	\$8.00	\$10,976.00	(\$4,116.00)
547.	SHEAR CONNECTORS (F)	EA	35,282.00	\$6.00	\$211,692.00	\$5.00	\$176,410.00	\$35,282.00
550.1	STRUCTURAL STEEL (F)	LB	3,301,472.00	\$1.80	\$5,942,649.60	\$2.10	\$6,933,091.20	(\$990,441.60)
550.2101	BRIDGE SHOES - HLMR	EA	84.00	\$3,750.00	\$315,000.00	\$5,000.00	\$420,000.00	(\$105,000.00)
550.33	BRIDGE SCUPPER	EA	20.00	\$3,400.00	\$68,000.00	\$6,000.00	\$120,000.00	(\$52,000.00)
561.3001	PREFABRICATED FINGER EXPANSION JOINT (F)	LF	224.00	\$1,740.00	\$389,760.00	\$1,450.00	\$324,800.00	\$64,960.00
562.1	SILICONE JOINT SEALANT (F)	LF	368.00	\$19.00	\$6,992.00	\$15.00	\$5,520.00	\$1,472.00



# PS&E Comparison

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Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
563.23	BRIDGE RAIL T3	LF	1,582.00	\$160.00	\$253,120.00	\$165.00	\$261,030.00	(\$7,910.00)
563.231	BRIDGE RAIL T3 WITH PROTECTIVE SCREENING	LF	202.00	\$300.00	\$60,600.00	\$250.00	\$50,500.00	\$10,100.00
565.232	BRIDGE APPROACH RAIL T3 (STEEL POSTS)	U	4.00	\$6,200.00	\$24,800.00	\$6,000.00	\$24,000.00	\$800.00
565.802	ADJUSTING BRIDGE APPROACH RAIL	U	3.00	\$520.00	\$1,560.00	\$400.00	\$1,200.00	\$360.00
585.2	STONE FILL, CLASS B	CY	31.00	\$105.00	\$3,255.00	\$50.00	\$1,550.00	\$1,705.00
585.3	STONE FILL, CLASS C	CY	785.00	\$50.00	\$39,250.00	\$40.00	\$31,400.00	\$7,850.00
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	310.00	\$10.00	\$3,100.00	\$3.00	\$930.00	\$2,170.00
593.421	GEOTEXTILE; PERM CONTROL CL.2, NON-WOVEN	SY	366.00	\$10.00	\$3,660.00	\$3.00	\$1,098.00	\$2,562.00
603.0001	VIDEO INSPECTION	LF	7,320.00	\$1.00	\$7,320.00	\$2.00	\$14,640.00	(\$7,320.00)
603.00212	12" R.C. PIPE, 2000D	LF	55.00	\$300.00	\$16,500.00	\$45.00	\$2,475.00	\$14,025.00
603.00215	15" R.C. PIPE, 2000D	LF	2,431.00	\$90.00	\$218,790.00	\$75.00	\$182,325.00	\$36,465.00
603.00218	18" R.C. PIPE, 2000D	LF	2,938.00	\$105.00	\$308,490.00	\$85.00	\$249,730.00	\$58,760.00
603.00224	24" R.C. PIPE, 2000D	LF	1,721.00	\$115.00	\$197,915.00	\$95.00	\$163,495.00	\$34,420.00
603.30115	15" R.C. END SECTIONS	EA	1.00	\$725.00	\$725.00	\$700.00	\$700.00	\$25.00
603.30118	18" R.C. END SECTIONS	EA	6.00	\$785.00	\$4,710.00	\$800.00	\$4,800.00	(\$90.00)
603.30124	24" R.C. END SECTIONS	EA	5.00	\$1,000.00	\$5,000.00	\$1,000.00	\$5,000.00	\$0.00
603.80124	24" PLASTIC PIPE (CURRUGATED INTERIOR)	LF	35.00	\$180.00	\$6,300.00	\$55.00	\$1,925.00	\$4,375.00

PS&E Comparison

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Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
603.80218	18" PLASTIC PIPE (SMOOTH INTERIOR)	LF	88.00	\$80.00	\$7,040.00	\$50.00	\$4,400.00	\$2,640.00
603.99015	15" TEMPORARY DRAINAGE PIPE	LF	364.00	\$105.00	\$38,220.00	\$50.00	\$18,200.00	\$20,020.00
604.0007	POLYETHYLENE LINER	EA	61.00	\$235.00	\$14,335.00	\$150.00	\$9,150.00	\$5,185.00
604.124	CATCH BASINS TYPE B, 4-FOOT DIAMETER	U	34.00	\$2,800.00	\$95,200.00	\$2,100.00	\$71,400.00	\$23,800.00
604.125	CATCH BASINS TYPE B, 5-FOOT DIAMETER	U	4.00	\$4,000.00	\$16,000.00	\$3,000.00	\$12,000.00	\$4,000.00
604.154	CATCH BASINS TYPE E, 4-FOOT DIAMETER	U	26.00	\$3,100.00	\$80,600.00	\$2,100.00	\$54,600.00	\$26,000.00
604.155	CATCH BASINS TYPE E, 5-FOOT DIAMETER	U	10.00	\$4,300.00	\$43,000.00	\$3,000.00	\$30,000.00	\$13,000.00
604.156	CATCH BASINS TYPE E, 6-FOOT DIAMETER	U	1.70	\$6,000.00	\$10,200.00	\$3,500.00	\$5,950.00	\$4,250.00
604.2249	TEMPORARY DROP INLET TYPE B, 4-FOOT DIAMETER	U	34.00	\$2,800.00	\$95,200.00	\$2,200.00	\$74,800.00	\$20,400.00
604.324	DRAINAGE MANHOLES, 4-FOOT DIAMETER	U	5.00	\$2,900.00	\$14,500.00	\$2,000.00	\$10,000.00	\$4,500.00
604.3249	TEMPORARY DRAINAGE MANHOLES, 4-FOOT DIAMETER	U	1.00	\$2,900.00	\$2,900.00	\$2,100.00	\$2,100.00	\$800.00
604.325	DRAINAGE MANHOLES, 5-FOOT DIAMETER	U	6.00	\$3,700.00	\$22,200.00	\$3,000.00	\$18,000.00	\$4,200.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	10.00	\$525.00	\$5,250.00	\$400.00	\$4,000.00	\$1,250.00
604.62	DRAINAGE MANHOLE COVERS AND FRAMES	EA	1.00	\$675.00	\$675.00	\$500.00	\$500.00	\$175.00
604.9101	OUTLET CONTROL STRUCTURE	U	1.00	\$4,500.00	\$4,500.00	\$4,000.00	\$4,000.00	\$500.00
604.9102	OUTLET CONTROL STRUCTURE	U	1.00	\$4,200.00	\$4,200.00	\$4,000.00	\$4,000.00	\$200.00
605.506	6" PERF. CORR. POLYETHYLENE PIPE UNDERDRAIN	LF	460.00	\$33.00	\$15,180.00	\$25.00	\$11,500.00	\$3,680.00

## PS&E Comparison

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Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
605.79	UNDERDRAIN FLUSHING BASINS	EA	2.00	\$450.00	\$900.00	\$400.00	\$800.00	\$100.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	4.00	\$4,000.00	\$16,000.00	\$2,000.00	\$8,000.00	\$8,000.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	5.00	\$900.00	\$4,500.00	\$500.00	\$2,500.00	\$2,000.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	6,000.00	\$25.00	\$150,000.00	\$18.00	\$108,000.00	\$42,000.00
606.28001	31" DOUBLE FACED W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	1,400.00	\$35.00	\$49,000.00	\$23.00	\$32,200.00	\$16,800.00
606.322	DOUBLE FACED TRANSITION RAIL, STEEL POST	U	2.00	\$6,250.00	\$12,500.00	\$4,500.00	\$9,000.00	\$3,500.00
606.41231	TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	U	2.00	\$3,500.00	\$7,000.00	\$3,000.00	\$6,000.00	\$1,000.00
606.413	SINGLE SLOPE CONCRETE MEDIAN BARRIER, PRECAST	LF	1,360.00	\$120.00	\$163,200.00	\$140.00	\$190,400.00	(\$27,200.00)
606.4139	SINGLE SLOPE CONCRETE MEDIAN BARRIER (MODIFIED), PRECAST	LF	1,020.00	\$150.00	\$153,000.00	\$125.00	\$127,500.00	\$25,500.00
606.41392	SINGLE SLOPE CONCRETE MEDIAN BARRIER (MODIFIED), WITH EXPANSION PLATES, PRECAST	LF	78.00	\$550.00	\$42,900.00	\$200.00	\$15,600.00	\$27,300.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	8,280.00	\$22.00	\$182,160.00	\$40.00	\$331,200.00	(\$149,040.00)
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL - BRIDGE	LF	1,680.00	\$60.00	\$100,800.00	\$100.00	\$168,000.00	(\$67,200.00)
606.4239	MODIFIED SINGLE SLOPE CONCRETE BARRIER, CAST-IN-PLACE	LF	500.00	\$295.00	\$147,500.00	\$250.00	\$125,000.00	\$22,500.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	4.00	\$9,500.00	\$38,000.00	\$5,000.00	\$20,000.00	\$18,000.00



# PS&E Comparison

LEBANON, NH - HARTFORD, VT

16148

A001(154)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
606.9612	TEMPORARY GUARDRAIL TO BARRIER TRANSITION (STEEL POST)	U	13.00	\$5,500.00	\$71,500.00	\$2,200.00	\$28,600.00	\$42,900.00
606.9632	TEMPORARY BARRIER TO BRIDGE RAIL TRANSITION (STEEL POSTS)	U	5.00	\$4,000.00	\$20,000.00	\$2,500.00	\$12,500.00	\$7,500.00
607.72620	20' OPENING DOUBLE GATE, CHAIN LINK ALUM. COATED STEEL FABRIC, 6' HIGH	U	1.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$0.00
608.28	8" CONCRETE SIDEWALK (F)	SY	194.00	\$50.00	\$9,700.00	\$65.00	\$12,610.00	(\$2,910.00)
609.01	STRAIGHT GRANITE CURB	LF	45.00	\$51.00	\$2,295.00	\$55.00	\$2,475.00	(\$180.00)
609.214	STRAIGHT GRANITE SLOPE CURB, 4" HIGH	LF	1,021.00	\$43.00	\$43,903.00	\$20.00	\$20,420.00	\$23,483.00
609.234	CURVED GRANITE SLOPE CURB 4" HIGH	LF	8.00	\$100.00	\$800.00	\$70.00	\$560.00	\$240.00
609.5	RESET GRANITE CURB	LF	1,232.00	\$30.00	\$36,960.00	\$20.00	\$24,640.00	\$12,320.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	5,400.00	\$6.30	\$34,020.00	\$8.00	\$43,200.00	(\$9,180.00)
614.3429	4 INCH 2-DUCT STEEL CONDUIT (BRIDGE)	LF	1,005.00	\$150.00	\$150,750.00	\$110.00	\$110,550.00	\$40,200.00
614.51822	CONCRETE FIBER OPTIC SPLICE VAULT 48"X72"X48"	U	2.00	\$8,400.00	\$16,800.00	\$4,795.00	\$9,590.00	\$7,210.00
614.522	MOLDED PULL BOX 13"X24"	EA	3.00	\$575.00	\$1,725.00	\$300.00	\$900.00	\$825.00
614.523	MOLDED PULL BOX 17"X30"	EA	6.00	\$630.00	\$3,780.00	\$410.00	\$2,460.00	\$1,320.00
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	470.00	\$26.00	\$12,220.00	\$16.00	\$7,520.00	\$4,700.00
614.73118	3" PVC CONDUIT, SCHEDULE 80	LF	115.00	\$80.00	\$9,200.00	\$26.00	\$2,990.00	\$6,210.00
614.74221	4" 2-DUCT HDPE CONDUIT, SDR 13.5	LF	1,600.00	\$32.00	\$51,200.00	\$20.00	\$32,000.00	\$19,200.00





# PS&E Comparison

LEBANON, NH - HARTFORD, VT  
16148  
A001(154)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
615.01201	TRAFFIC SIGN TYPE A, BREAKAWAY MOUNTS	SF	39.00	\$175.00	\$6,825.00	\$85.00	\$3,315.00	\$3,510.00
615.013	REMOVING TRAFFIC SIGN TYPE A	U	6.00	\$800.00	\$4,800.00	\$500.00	\$3,000.00	\$1,800.00
615.014	RELOCATING TRAFFIC SIGN TYPE A	U	8.00	\$6,300.00	\$50,400.00	\$500.00	\$4,000.00	\$46,400.00
615.0201	TRAFFIC SIGN TYPE B	SF	488.00	\$95.00	\$46,360.00	\$60.00	\$29,280.00	\$17,080.00
615.02201	TRAFFIC SIGN TYPE B, BREAKAWAY MOUNTS	SF	42.50	\$140.00	\$5,950.00	\$250.00	\$10,625.00	(\$4,675.00)
615.023	REMOVING TRAFFIC SIGN TYPE B	U	6.00	\$160.00	\$960.00	\$350.00	\$2,100.00	(\$1,140.00)
615.024	RELOCATING TRAFFIC SIGN TYPE B	U	13.00	\$435.00	\$5,655.00	\$250.00	\$3,250.00	\$2,405.00
615.033	REMOVING TRAFFIC SIGN, TYPE C	U	25.00	\$21.00	\$525.00	\$400.00	\$10,000.00	(\$9,475.00)
615.034	RELOCATING TRAFFIC SIGN, TYPE C	U	12.00	\$155.00	\$1,860.00	\$250.00	\$3,000.00	(\$1,140.00)
615.0401	TRAFFIC SIGN TYPE AA	SF	1,675.00	\$27.00	\$45,225.00	\$25.00	\$41,875.00	\$3,350.00
615.0501	TRAFFIC SIGN TYPE BB	SF	75.00	\$23.00	\$1,725.00	\$20.00	\$1,500.00	\$225.00
615.10001	FULL TRAFFIC SIGN STRUCTURE	U	1.00	\$90,000.00	\$90,000.00	\$200,000.00	\$200,000.00	(\$110,000.00)
615.10002	FULL TRAFFIC SIGN STRUCTURE	U	1.00	\$95,000.00	\$95,000.00	\$168,000.00	\$168,000.00	(\$73,000.00)
615.10301	REMOVING FULL TRAFFIC SIGN STRUCTURE	U	1.00	\$8,000.00	\$8,000.00	\$10,000.00	\$10,000.00	(\$2,000.00)
615.20001	CANTILEVER TRAFFIC SIGN STRUCTURE	U	1.00	\$45,000.00	\$45,000.00	\$70,000.00	\$70,000.00	(\$25,000.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	400,000.00	\$1.00	\$400,000.00	\$1.00	\$400,000.00	\$0.00
618.7	FLAGGERS	HR	1,200.00	\$36.00	\$43,200.00	\$25.00	\$30,000.00	\$13,200.00

## PS&E Comparison

LEBANON, NH - HARTFORD, VT

16148

A001(154)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$325,000.00	\$325,000.00	\$450,000.00	\$450,000.00	(\$125,000.00)
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	7.00	\$17,500.00	\$122,500.00	\$5,000.00	\$35,000.00	\$87,500.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	1.00	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$10,000.00
619.502	WORK ZONE ITS OPERATIONAL COSTS (WINTER)	MON	20.00	\$1,350.00	\$27,000.00	\$1,800.00	\$36,000.00	(\$9,000.00)
619.503	WORK ZONE ITS OPERATIONAL COSTS (SUMMER)	MON	40.00	\$775.00	\$31,000.00	\$900.00	\$36,000.00	(\$5,000.00)
619.51	PORTABLE QUEUE TRAILER / SENSOR (PQT)	MON	240.00	\$525.00	\$126,000.00	\$645.00	\$154,800.00	(\$28,800.00)
619.52	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)	MON	420.00	\$700.00	\$294,000.00	\$865.00	\$363,300.00	(\$69,300.00)
619.54	MOBILE VIDEO TRAILER WITH PAN TILT ZOOM (PTZ)	MON	120.00	\$1,100.00	\$132,000.00	\$1,200.00	\$144,000.00	(\$12,000.00)
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$50,000.00	\$100,000.00	\$10,000.00	\$20,000.00	\$80,000.00
619.91	RELOCATE WORK ZONE ITS DEVICE	U	4.00	\$235.00	\$940.00	\$400.00	\$1,600.00	(\$660.00)
621.1	RETROREFLECTIVE MEDIAN BARRIER DELINEATOR	EA	33.00	\$25.00	\$825.00	\$15.00	\$495.00	\$330.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	99.00	\$5.25	\$519.75	\$5.00	\$495.00	\$24.75
621.31	SINGLE DELINEATOR WITH POST	EA	69.00	\$60.00	\$4,140.00	\$40.00	\$2,760.00	\$1,380.00
621.32	DOUBLE DELINEATOR WITH POST	EA	4.00	\$65.00	\$260.00	\$45.00	\$180.00	\$80.00
622.1	STEEL WITNESS MARKERS	EA	36.00	\$37.50	\$1,350.00	\$35.00	\$1,260.00	\$90.00
625.2	CONCRETE LIGHT POLE BASES, TYPE B	EA	2.00	\$2,100.00	\$4,200.00	\$1,500.00	\$3,000.00	\$1,200.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	340.00	\$2.00	\$680.00	\$2.00	\$680.00	\$0.00



## PS&E Comparison

LEBANON, NH - HARTFORD, VT

16148

A001(154)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
631.024	MODULAR GLARE SCREEN	LF	5,600.00	\$24.50	\$137,200.00	\$30.00	\$168,000.00	(\$30,800.00)
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	392,200.00	\$0.25	\$98,050.00	\$0.15	\$58,830.00	\$39,220.00
632.0112	RETROREFLECTIVE PAINT PAVE. MARKING, 12" LINE	LF	19,700.00	\$0.45	\$8,865.00	\$0.35	\$6,895.00	\$1,970.00
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE 1 (REMOVABLE) 4" LINE	LF	18,100.00	\$4.00	\$72,400.00	\$1.40	\$25,340.00	\$47,060.00
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	2,322.00	\$3.75	\$8,707.50	\$2.50	\$5,805.00	\$2,902.50
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	92,500.00	\$0.55	\$50,875.00	\$0.50	\$46,250.00	\$4,625.00
643.21	FERTILIZER FOR REFERTILIZATION	LB	4,369.00	\$1.30	\$5,679.70	\$0.50	\$2,184.50	\$3,495.20
645.0001	TURBIDITY BARRIER	LF	470.00	\$100.00	\$47,000.00	\$35.00	\$16,450.00	\$30,550.00
645.3	EROSION STONE	TON	1,680.00	\$26.00	\$43,680.00	\$30.00	\$50,400.00	(\$6,720.00)
645.44	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	SY	1,170.00	\$2.00	\$2,340.00	\$2.00	\$2,340.00	\$0.00
645.45	PERMANENT CHANNEL MATTING TYPE A	SY	1,300.00	\$7.50	\$9,750.00	\$5.00	\$6,500.00	\$3,250.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	10,590.00	\$5.00	\$52,950.00	\$5.00	\$52,950.00	\$0.00
645.531	SILT FENCE	LF	10,590.00	\$5.00	\$52,950.00	\$3.00	\$31,770.00	\$21,180.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$5,500.00	\$5,500.00	\$5,000.00	\$5,000.00	\$500.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	1,000.00	\$85.00	\$85,000.00	\$70.00	\$70,000.00	\$15,000.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	23,876.00	\$0.80	\$19,100.80	\$1.00	\$23,876.00	(\$4,775.20)



## PS&E Comparison

LEBANON, NH - HARTFORD, VT

16148

A001(154)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
647.16	HUMUS, 6" DEEP	CY	5,313.00	\$23.50	\$124,855.50	\$25.00	\$132,825.00	(\$7,969.50)
647.22	HUMUS, INTERMIXED, 2" DEEP	CY	72.00	\$38.00	\$2,736.00	\$40.00	\$2,880.00	(\$144.00)
647.29	WETLAND HUMUS	CY	181.00	\$32.00	\$5,792.00	\$40.00	\$7,240.00	(\$1,448.00)
670.04501	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$20,000.00	\$20,000.00	\$17,000.00	\$17,000.00	\$3,000.00
670.04502	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$34,000.00	\$34,000.00	\$25,000.00	\$25,000.00	\$9,000.00
670.04503	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$12,000.00	\$12,000.00	\$14,000.00	\$14,000.00	(\$2,000.00)
670.04504	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$12,000.00	\$12,000.00	\$16,000.00	\$16,000.00	(\$4,000.00)
670.04505	CONSTRUCT AND REMOVE DIVERSION	U	1.00	\$17,000.00	\$17,000.00	\$22,000.00	\$22,000.00	(\$5,000.00)
670.104	TEMPORARY PORTABLE LIGHTING	U	4.00	\$15,000.00	\$60,000.00	\$10,000.00	\$40,000.00	\$20,000.00
670.822	GNSS CONSTRUCTION INSPECTION EQUIPMENT	U	1.00	\$27,000.00	\$27,000.00	\$15,000.00	\$15,000.00	\$12,000.00
670.95	TEMPORARY SAFETY FENCE	LF	530.00	\$10.00	\$5,300.00	\$3.50	\$1,855.00	\$3,445.00
677.1201	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN (DMS)	U	1.00	\$90,000.00	\$90,000.00	\$77,000.00	\$77,000.00	\$13,000.00
677.4201	ROADWAY WEATHER INFORMATION STATION (RWIS) SYSTEM	U	1.00	\$130,000.00	\$130,000.00	\$157,000.00	\$157,000.00	(\$27,000.00)
677.46501	MOTOR VEHICLE DETECTION SYSTEM (MVDS) WITHOUT POLE	U	1.00	\$15,500.00	\$15,500.00	\$15,000.00	\$15,000.00	\$500.00
677.6301	METER AND DISCONNECT PEDESTAL	U	1.00	\$4,700.00	\$4,700.00	\$4,200.00	\$4,200.00	\$500.00
677.67101	SOLAR POWERED SYSTEM (GROUND MOUNTED)	U	1.00	\$35,000.00	\$35,000.00	\$16,000.00	\$16,000.00	\$19,000.00



# PS&E Comparison

LEBANON, NH - HARTFORD, VT

16148

A001(154)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
677.67201	SOLAR POWERED SYSTEM (POLE MOUNTED)	U	1.00	\$20,000.00	\$20,000.00	\$10,000.00	\$10,000.00	\$10,000.00
677.9302	3-CONDUCTOR #2 AWG CABLE	LF	60.00	\$8.40	\$504.00	\$7.00	\$420.00	\$84.00
677.9308	3-CONDUCTOR #8 AWG CABLE	LF	200.00	\$4.20	\$840.00	\$4.00	\$800.00	\$40.00
692.	MOBILIZATION	U	1.00	\$2,165,000.00	\$2,165,000.00	\$3,500,000.00	\$3,500,000.00	(\$1,335,000.00)
693.	ON-THE-JOB TRAINING OF UNSKILLED WORKERS	\$	2,400.00	\$1.00	\$2,400.00	\$1.00	\$2,400.00	\$0.00
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00	(\$500.00)
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$1,500.00	\$1,500.00	\$5,000.00	\$5,000.00	(\$3,500.00)
697.41	CRITICAL PATH METHOD (CPM) ELECTRONIC SCHEDULE	U	1.00	\$1,499.00	\$1,499.00	\$5,000.00	\$5,000.00	(\$3,501.00)
698.12	FIELD OFFICE TYPE B	MON	67.00	\$2,100.00	\$140,700.00	\$1,900.00	\$127,300.00	\$13,400.00
698.2	PHYSICAL TESTING LABORATORY	MON	65.00	\$900.00	\$58,500.00	\$1,000.00	\$65,000.00	(\$6,500.00)
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	120,000.00	\$1.00	\$120,000.00	\$1.00	\$120,000.00	\$0.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	100,000.00	\$1.00	\$100,000.00	\$1.00	\$100,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	250,000.00	\$1.00	\$250,000.00	\$1.00	\$250,000.00	\$0.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	50,000.00	\$1.00	\$50,000.00	\$1.00	\$50,000.00	\$0.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	63,768.00	\$1.00	\$63,768.00	\$1.00	\$63,768.00	\$0.00
1010.41	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR CONCRETE	\$	141,640.00	\$1.00	\$141,640.00	\$1.00	\$141,640.00	\$0.00

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**Total:**

\$43,755,824.10

\$42,684,426.80

\$1,071,397.30

December 9, 2019

**SUPPLEMENTAL PROJECT INFORMATION SHEET**

**DESCRIPTION:** This project will address structural deficiencies of the two State Red List bridges that carry I-89 NB and SB over Connecticut River, New England Central Railroad, and Washington County Railroad between the City of Lebanon, NH, and the Town of Hartford, VT. The bridges will be rehabilitated and widened to the median. The existing bridge superstructures will be replaced, and substructures rehabilitated. This project will also address I-89 roadway safety issues between Exit 20 in Lebanon, NH, and I-91 interchange in Hartford, VT. Auxiliary lanes will be constructed on I-89, one NB and one SB, between Exit 20 and the I-91 interchange. The roadway approaches will be widened and realigned to match the bridges, and the Exit 20 and I-91 interchange ramps will be modified to match the auxiliary lanes.

**FEDERAL FUNDING:** New Hampshire Construction: 68% of total construction cost to be funded with \$10M TIGER IX Grant, revenue from SB367, and federal funds (Program: High Investment Bridge Rehabilitation & Reconstruction (Bridg-HIB-Rehab-Rcn) and Turnpike Toll Credits). Vermont Construction: The remaining total construction cost of 32% to be funded from their federal fund allotment.

**CONTINGENCY:** The contingency amount is proposed to be 5% of the construction total. The following factors involve higher risks that can potentially increase costs: complicated traffic control plan due to high traffic volumes and phased bridge construction; difficult site access; inability to inspect areas of the bridge that will become exposed when the superstructure is removed; and limitation of operations when working near or above the railroad.

**PROJECT INITIATED:** State's 10-Year Transportation Improvement Plan.

**PROJECT EXPLANATION:** The existing bridges, built in 1966, are twin six-span steel girder structures with a length of 840 feet between abutments. The bridges are narrow—measuring 30 feet between curbs with 3-foot-wide shoulders. The bridges are structurally deficient and have been on the Department's State Red List of deficient bridges since 2011 (SB Bridge (superstructure)), and 2012 (NB Bridge (deck)). The close proximity between Exit 20 ramps and I-91 interchange ramps provides insufficient merge distance, particularly for the I-89 SB on-ramp from I-91 NB, which has likely contributed to the high number of multiple vehicle crashes. This project will remove the bridges from the State Red List, and extend their service life. This project will also improve roadway safety by widening the bridges to provide appropriate roadway shoulders, and auxiliary lanes.

**TRAFFIC IMPLICATION:** The bridge superstructure replacement and widening work will be done in three phases. Two lanes of traffic in each barrel of I-89 mainline will be maintained except as noted herein. In the first phase the new median widening will be constructed between the existing bridges. The new median will then be used to carry two lanes of traffic while the existing bridge superstructures are replaced in subsequent phases.

Temporary short-term shutdowns of I-89 NB mainline and detouring of traffic (at Exit 20 via NH 12A and US 4) will be permitted during off-peak hours to allow for structural steel erection in the median from the NB bridge during Phase 1 bridge construction. The Phase 1 structural steel erection work is expected to take up to three weeks to complete.

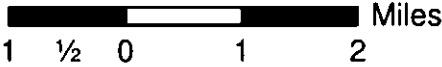
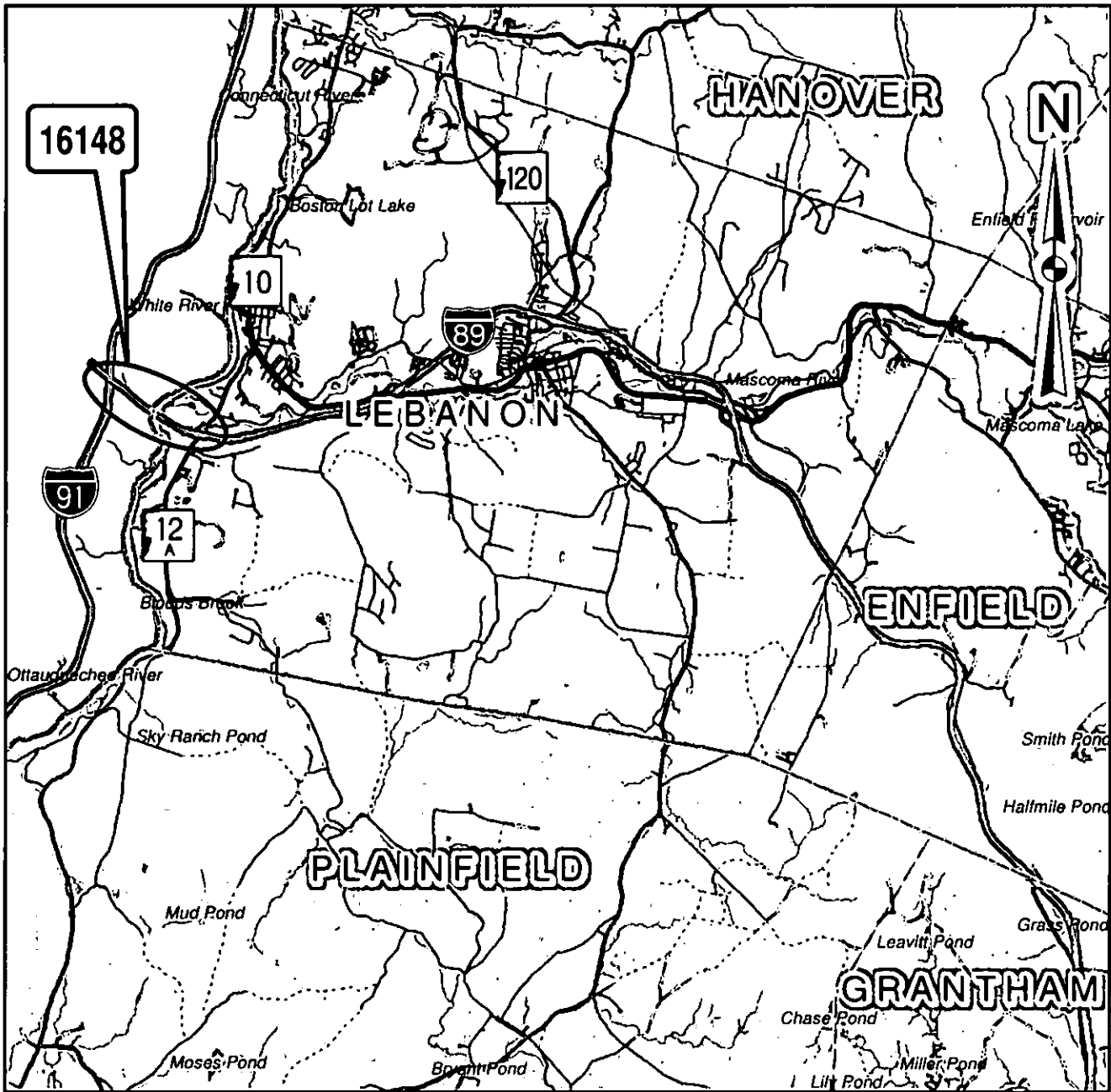
I-89 SB mainline will be channelized into a single lane dedicated for through traffic during Phase 2 construction, allowing the I-91 to I-89 SB on-ramps exclusive use of the inside lane for approximately 3,700 feet in the vicinity of the I-91 interchange. Phase 2 construction is expected to take up to one year to complete.

Temporary short-term single lane and/or shoulder closures of I-89 mainline will be permitted during off-peak hours as necessary to complete the work. Temporary short-term ramp closures will be permitted during off-peak hours as necessary to complete the work. Ramp traffic will be detoured through adjacent interchanges during the ramp closures in accordance with the plans.

**INTERMEDIATE COMPLETION DATE:** The Smart Work Zone system which will cover both the Lebanon-Hartford 16148, and Lebanon 41191 projects will be deployed and operational by Friday, April 2, 2021.

**COMPLETION DATE:** The final completion date is Friday, September 26, 2025.

**LEBANON, NH - HARTFORD, VT - 189**

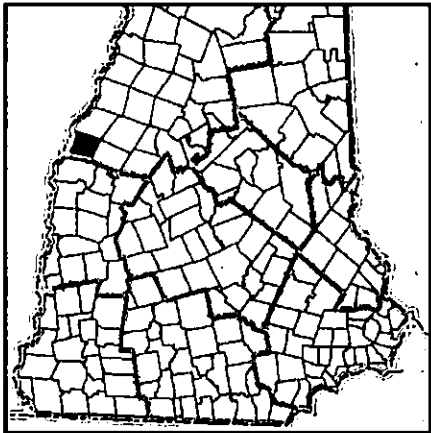


**LEGEND**

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

*New Hampshire*  
**DOT**  
 Department of Transportation

State #: 16148  
 Federal #: A001(154)  
**LOCATION MAP**







# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
5/7/2020

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<b>PRODUCER</b> THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511	<b>CONTACT NAME:</b> Christine Holman, CPCU, CIC	
	<b>PHONE (A/C No. Ext):</b> (603) 224-2562	<b>FAX (A/C No.):</b> (603) 224-8012
<b>E-MAIL ADDRESS:</b> cholman@rowleyagency.com		
<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
<b>INSURER A:</b> Travelers		28188
<b>INSURER B:</b> Crum & Forster		
<b>INSURER C:</b>		
<b>INSURER D:</b>		
<b>INSURER E:</b>		
<b>INSURER F:</b>		

**COVERAGES** CERTIFICATE NUMBER: 20-21 all lines 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 INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CG0001 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC			DT-CO-5G429382-PHX-20	1/1/2020	1/1/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMPROPAGG \$ 2,000,000
	<b>AUTOMOBILE LIABILITY</b> <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			010-0P587210-20-26-G	1/1/2020	1/1/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Medical payments \$ 2,000
A	<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 \$ 10,000			DTSM-CUP-5G429401-TIL-20	1/1/2020	1/1/2021	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 P/CO Aggregate \$ 10,000,000
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	3A States: NH, ME 0B-8L596091-20-26-G COP USL&E Coverage applies	1/1/2020	1/1/2021	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
A	Leased/Rented			QT-660-3082B427-COP-20	1/1/2020	1/1/2021	Limit 775,000
B	Pollution			PXC100765	2/18/2020	2/18/2021	Per Claim/Aggregate 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
 A001(154), 16148 - Lebanon, NH - Hartford, VT - Superstructure replace & widening I89 NB and SB over the Connecticut River. When required by written contract the State of New Hampshire is included as an additional insured under general liability coverage for ongoing operations

<b>CERTIFICATE HOLDER</b>  State of New Hampshire Department of Transportation PO Box 483 Concord, NH 03302	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE  C Holman, CPCU, CIC/C <i>Christine Holman</i>
--	---



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
05/11/2020

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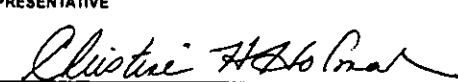
<b>PRODUCER</b> THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511	<b>CONTACT NAME:</b> Christine Holman, CPCU, CIC <b>PHONE (A/C, No, Ext):</b> (803) 224-2562 <b>E-MAIL ADDRESS:</b> cholman@rowleyagency.com	<b>FAX (A/C, No):</b> (803) 224-8012
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> State of New Hampshire, Dept of Transportation PO Box 483 Concord NH 03302-0483	<b>INSURER A:</b> Travelers	<b>NAIC #</b> 28188
	<b>INSURER B:</b>	
	<b>INSURER C:</b>	
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	
	<b>INSURER F:</b>	

**COVERAGES**      **CERTIFICATE NUMBER:** OCP - NHDOT / NH-VT proj      **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	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Owners & Contractors Protective			PRS-4P405944-IND	06/10/2020	06/10/2021	EACH OCCURRENCE \$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						DAMAGE TO RENTED PREMISES (Ea occurrence) \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED    RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**  
 A001(154) Lebanon, NH-Hartford, VT #16148 Superstructure replace & widening I-89 NB & SB over the CT River

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



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
5/11/2020

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<b>PRODUCER</b> THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511		<b>CONTACT NAME:</b> Christine Holman, CPCU, CIC <b>PHONE (A/C No. Ext):</b> (603) 224-2562 <b>FAX (A/C No):</b> (603) 224-8012 <b>E-MAIL ADDRESS:</b> cholman@rowleyagency.com	
<b>INSURED</b> R.S. Audley, Inc. 1113 Route 3-A Bow NH 03304		<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> Travelers <b>NAIC #</b> 28188 <b>INSURER B:</b> Crum & Forster <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>	

**COVERAGES** CERTIFICATE NUMBER: 20-21 all lines REVISION NUMBER:

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INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CG0001 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC			DT-CO-5G429382-PHX-20	1/1/2020	1/1/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMPIOPAGG \$ 2,000,000
	<b>AUTOMOBILE LIABILITY</b> <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			810-0P587210-20-26-0	1/1/2020	1/1/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Medical payments \$ 2,000
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			DTEM-CUP-5G429401-TIL-20	1/1/2020	1/1/2021	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 P/CO Aggregate \$ 10,000,000
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	3A States: NH, ME UB-8L596091-20-26-0 COP DSL&H Coverage applies	1/1/2020	1/1/2021	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
A	Leased/Rented			QT-660-3082B427-COP-20	1/1/2020	1/1/2021	Limit 775,000
B	Pollution			PKC100765	2/18/2020	2/18/2021	Per Claim/Aggregate 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
 A001(154) Lebanon, NH-Hartford, VT #16148 Superstructure replace & widening I-89 NB & SB over the CT River. When required by written contract State of Vermont, Agent of Transportation is included as an additional insured under general liability coverage for ongoing operations

**CERTIFICATE HOLDER****CANCELLATION**

State of Vermont Agency of Transportation One National Life Dr. Montpelier, VT 05633	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE  C Holman, CPCU, CIC/C <i>Christine Holman</i>
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# CERTIFICATE OF LIABILITY INSURANCE

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	<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> Travelers <b>INSURER B:</b> <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>
<b>INSURED</b> State of Vermont, Agency of Transportation One National Life Dr. Montpelier VT 05633	

**COVERAGES**      **CERTIFICATE NUMBER:** OCP VT - NHVT proj      **REVISION NUMBER:**

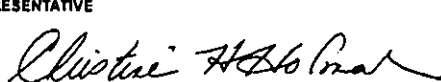
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INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Owners & Contractors Protective  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			PRS-4P405932-IND	06/10/2020	06/10/2021	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	\$
								\$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY <input type="checkbox"/> AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident)	\$
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED    RETENTION \$						EACH OCCURRENCE	\$
							AGGREGATE	\$
								\$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> <input type="checkbox"/> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			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)

A001(154) Lebanon, NH-Hartford, VT #16148 Superstructure replace & widening I-89 NB & SB over the CT River.

**CERTIFICATE HOLDER**      **CANCELLATION**

State of Vermont Agency of Transportation One National Life Dr. Montpelier VT 05633	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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<b>INSURED</b> R.S. Audley, Inc. 1113 Route 3-A Bow NH 03304		<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> Travelers NAIC # 28188 <b>INSURER B:</b> Crum & Forster <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>	

COVERAGES CERTIFICATE NUMBER: 20-21 all lines REVISION NUMBER:

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INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CG0001 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC			DT-CO-5G429382-PHX-20	1/1/2020	1/1/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 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
	<b>AUTOMOBILE LIABILITY</b> <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			B10-0P587210-20-26-G	1/1/2020	1/1/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Medical payments \$ 2,000
A	<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 \$ 10,000			DTSM-CUP-5G429401-TIL-20	1/1/2020	1/1/2021	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 PCO Aggregate \$ 10,000,000
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	3A States: NH, ME UB-8L596091-20-26-G COP USL&H Coverage applies	1/1/2020	1/1/2021	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
A	Leased/Rented			QT-660-30828427-COP-20	1/1/2020	1/1/2021	Limit 775,000
B	Pollution			PXC100765	2/18/2020	2/18/2021	Per Claim/Aggregate 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
A001(154), Lebanon, NH - Hartford, VT #16148 Superstructure - replace & widening I-89 NB and SB over Connecticut River. When required by written contract Washington County Railroad is included as an additional insured under general liability coverage.

<b>CERTIFICATE HOLDER</b>  Washington County Railroad 1 Railway Lane Burlington, VT 05401	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE  C Holman, CPCU, CIC/C <i>Christine Holman</i>
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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
5/7/2020

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).

<b>PRODUCER</b> THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511		<b>CONTACT NAME:</b> Christine Holman, CPCU, CIC <b>PHONE (A/C No. Ext.):</b> (603) 224-2562 <b>FAX (A/C No.):</b> (603) 224-8012 <b>E-MAIL ADDRESS:</b> cholman@rowleyagency.com	
<b>INSURED</b> Washington County Railroad 1 Railway Lane Burlington VT 05401		<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> Travelers NAIC # 28188 <b>INSURER B:</b> <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>	

COVERAGES CERTIFICATE NUMBER: RRP - Leb/Hart/WCR 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"/> Railroad Protective Liability  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:			SPS-4P430720-IND	6/10/2020	6/10/2021	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 6,000,000 PRODUCTS - COMPIOPAGG \$ Employee Benefits \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> HIRED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE 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						<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
A001(154) Lebanon, NH-Hartford, VT #16148 Superstructure replace & widening I-89 NB & SB over the CT River

<b>CERTIFICATE HOLDER</b> Washington County Railroad 1 Railway Lane Burlington, VT 05401	<b>CANCELLATION</b> SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE C Holman, CPCU, CIC/C <i>Christine Holman</i>
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# CERTIFICATE OF LIABILITY INSURANCE

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<b>PRODUCER</b> THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511	<b>CONTACT NAME:</b> Christine Holman, CPCU, CIC <b>PHONE (A/C, No, Ext):</b> (603) 224-2562 <b>E-MAIL ADDRESS:</b> cholman@rowleyagency.com	<b>FAX (A/C, No):</b> (603) 224-8012
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> R.S. Audley, Inc. 1113 Route 3-A Bow NH 03304	<b>INSURER A:</b> Travelers <span style="float:right">NAIC # 28188</span>	
	<b>INSURER B:</b> Crum & Forster	
	<b>INSURER C:</b>	
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	

**COVERAGES** CERTIFICATE NUMBER: 20-21 all lines 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 INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CG0001 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC			DT-CO-5G429382-PHX-20	1/1/2020	1/1/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 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
	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			110-0P587210-20-26-G	1/1/2020	1/1/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Medical payments \$ 2,000
A	<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 \$ 10,000			DTSM-CUP-5G429401-TIL-20	1/1/2020	1/1/2021	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 P/CO Aggregate \$ 10,000,000
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	SA States: ME, ME UB-BL596091-20-26-G COP OSL&H Coverage applies	1/1/2020	1/1/2021	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
A	Leased/Rented			DT-660-30828427-COP-20	1/1/2020	1/1/2021	Limit 775,000
B	Pollution			PKC100765	2/18/2020	2/18/2021	Per Claim/Aggregate 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
 A001(154) Lebanon, NH - Hartford, VT #16148 Superstructure - replace & widening I-89 NB and SB over Connecticut River. When required by written contract New England Central Railroad is included as an additional insured under general liability coverage.

<b>CERTIFICATE HOLDER</b>  New England Central Railroad 2 Federal Street Suite 201 St. Albans, VT 05478	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	<b>AUTHORIZED REPRESENTATIVE</b>  C Holman, CPCU, CIC/C <i>Christine Holman</i>



# CERTIFICATE OF LIABILITY INSURANCE

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<b>PRODUCER</b> THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511	<b>CONTACT NAME:</b> Christine Holman, CPCU, CIC <b>PHONE (A/C, No. Ext):</b> (603) 224-2562 <b>E-MAIL ADDRESS:</b> cholman@rowleyagency.com	<b>FAX (A/C, No):</b> (603) 224-8012
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> New England Central Railroad 2 Federal Street Suite 201 St. Albans VT 05478	<b>INSURER A:</b> Travelers NAIC # 28188	
	<b>INSURER B:</b>	
	<b>INSURER C:</b>	
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	

**COVERAGES** CERTIFICATE NUMBER: RRP - Lebanon/Hartford 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	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Railroad Protective Liability			8PS-4P430732-IND	6/10/2020	6/10/2021	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 6,000,000 PRODUCTS - COMP/OP AGG \$ Employee Benefits \$
	GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO. JECT <input type="checkbox"/> LOC OTHER:						
	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						PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

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 A001(154) Lebanon, NH-Hartford, VT #16148 Superstructure replace & widening I-89 NB & SB over the CT River

**CERTIFICATE HOLDER****CANCELLATION**

New England Central Railroad  
 2 Federal Street  
 Suite 201  
 St. Albans, VT 05478

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

C Holman, CPCU, CIC/C

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