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THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



Victoria F. Sheehan
 Commissioner

William Cass, P.E.
 Assistant Commissioner

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

Bureau of Construction
 November 3, 2020

REQUESTED ACTION

1. Authorize the Department of Transportation to enter into a contract with Northeast Earth Mechanics, Inc. (Vendor 156610) of Pittsfield, NH, on the basis of a low bid of \$1,080,096.25 for culvert rehabilitation in Bedford under NH 101 and Boynton Street, from the date of Governor and Council approval through August 27, 2021, unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available in State Fiscal Year 2021, and is contingent upon the availability and continued appropriation of funds in Fiscal Year 2022 as follows, with the ability to adjust encumbrances through the Budget Office between State Fiscal Years if needed and justified:

Funding is available as follows:	<u>FY 2021</u>	<u>FY 2022</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments	\$903,353.22	\$176,743.03

2. Further authorize that a contingency in the amount of \$75,606.74 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 7% of the contract amount.

Funding is available as follows:	<u>FY 2021</u>	<u>FY 2022</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments		\$75,606.74

EXPLANATION

This project is part of the State's Ten Year Transportation Improvement Plan, under the Culvert Replacement/Rehabilitation and Drainage Repair (CRDR) Program. The project will rehabilitate an existing 90" diameter x 632' long corrugated metal culvert carrying Bowman Brook under Boynton St and NH 101. The proposed design includes replacing the existing damaged mitered end section at the inlet with a concrete headwall (shortening the culvert by about 12'), replacing a failed 18" pipe connection near the middle of the culvert with a 24" pipe connection, repairing erosion resulting from the failed 18" pipe connection, and slip lining the remaining (620') of 90" culvert with a polymer coated corrugated metal liner.

The original culvert was constructed in 1961 at 540' long and was extended about 100' on the outlet end in 1996. The 1961 portion is in very poor condition, with perforations along the sides and leaking joints. The 1996 portion is not as deteriorated but is heavily rusted along the bottom and lower sides. The inlet mitered end is damaged and sinkholes have developed on the inlet side embankment. A failed saddle connection near the middle of the 90" culvert has caused significant erosion in the area between NH 101 WB and Boynton St.

The proposed contingency amount is 7% of the contract amount. This is to account for the risks associated with the unknown extent of voids around the 90" pipe, repair of actively eroding areas, unanticipated traffic control needs, and potential risk of over-runs in minor items such as structure excavation, invasive species control, and erosion control.

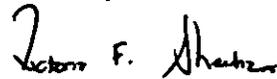
The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General as to form and execution, and the Department has certified that the necessary funds are available and the bid reasonably conforms to the engineer's estimate in accordance with State procedure. Copies of the fully executed contract are on file at the Secretary of State's Office and the Department of Administrative Service's Office, and subsequent to Governor and Council approval will be on file at the Department of Transportation.

This project funding is: 80% Federal (Culvert Replacement/Rehabilitation and Drainage Repair (CRDR) Program), with anticipated utilization of Turnpike Toll credits as the State's 20% match, effectively using 100% Federal Funds.

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

Your approval of this resolution is respectfully requested.

Sincerely,



Victoria F. Sheehan
Commissioner

VFS/pcj

Department Estimate: \$1,200,580.00
Contract Amount: \$1,080,096.25
Under Estimate: \$ 120,483.75
Attachments



ABC Bid Data

BEDFORD
42268
X-A004(797)

PROJECT:	BEDFORD	Awarded To:	NORTHEAST EARTH MECHANICS INC	Certified by:	<u>PETER.E.STAMNAS</u> Director of Project Development
STATE PROJECT NUMBER:	42268		159 BARNSTEAD ROAD		
FED. PROJECT NUMBER:	X-A004(797)		PITTSFIELD, NH 03263		
DATE BIDS OPEN:	October 22, 2020, 2:00	Amount:	\$1,080,096.25		
SCOPE OF WORK:	Rehabilitate 90" structural plate pipe under NH 101 & Boynton St in Bedford.	Award Date:			
COMPLETION DATE:	August 27, 2021				
LOCATION:	Hillsborough				

Summary of Bidders

Contractor	Bid Amount	Rank
NORTHEAST EARTH MECHANICS INC 159 BARNSTEAD ROAD, PITTSFIELD NH 03263	\$1,080,096.25	A
C.L.H. & SON INC 2841 TURNER ROAD, AUBURN ME 04210	\$1,106,738.70	B
BUSBY CONSTRUCTION CO., INC. 71 ROUTE 111, ATKINSON NH 03811	\$1,189,189.00	C
PIPER, R. M. INC. 141 SMITH BRIDGE RD, PO BOX 490, PLYMOUTH NH 03264-0490	\$1,376,950.00	D



ABC Bid Data

BEDFORD

42268

X-A004(797)

Item No.	Description	Unit	Quantity	PS&E		NORTHEAST EARTH MECHANICS INC 159 BARNSTEAD ROAD PITTSFIELD, NH 03263		C.L.H. & SON INC 2841 TURNER ROAD AUBURN, ME 04218	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

201.881	INVASIVE SPECIES CONTROL TYPE I	SY	1,800.00	\$5.00	\$9,000.00	\$3.50	\$6,300.00	\$5.00	\$9,000.00
202.31	FILL ABANDONED PIPE	CY	16.00	\$325.00	\$5,200.00	\$200.00	\$3,200.00	\$300.00	\$4,800.00
202.42	REMOVAL OF EXISTING PIPE OVER 24" DIAMETER	LF	15.00	\$250.00	\$3,750.00	\$200.00	\$3,000.00	\$566.00	\$8,490.00
202.7	REMOVAL OF GUARDRAIL	LF	160.00	\$3.50	\$525.00	\$10.00	\$1,500.00	\$33.00	\$4,950.00
203.11	COMMON EXCAVATION - LRS	CY	126.00	\$35.00	\$4,375.00	\$17.50	\$2,187.50	\$8.50	\$1,082.50
203.601	EMBANKMENT-IN-PLACE	CY	165.00	\$16.00	\$2,640.00	\$8.50	\$1,402.50	\$8.00	\$1,320.00
203.602	EMBANKMENT-IN-PLACE (HAULING, HANDLING AND PLACEMENT)	CY	730.00	\$16.00	\$11,680.00	\$12.00	\$8,760.00	\$24.00	\$17,520.00
206.1	COMMON STRUCTURE EXCAVATION	CY	210.00	\$40.00	\$8,400.00	\$13.00	\$2,730.00	\$29.00	\$6,090.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	10.00	\$75.00	\$750.00	\$60.00	\$600.00	\$20.00	\$200.00
209.1	GRANULAR BACKFILL	CY	75.00	\$25.00	\$1,875.00	\$50.00	\$3,750.00	\$27.00	\$2,025.00
214.	FINE GRADING	U	1.00	\$5,000.00	\$5,000.00	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00
603.101	WATER DIVERSION STRUCTURE	U	1.00	\$35,000.00	\$35,000.00	\$200,000.00	\$200,000.00	\$75,000.00	\$75,000.00
603.201	COFFERDAMS	U	1.00	\$35,000.00	\$35,000.00	\$30,000.00	\$30,000.00	\$75,000.00	\$75,000.00
608.	STRUCTURAL FILL	CY	30.00	\$75.00	\$2,250.00	\$55.00	\$1,650.00	\$30.00	\$900.00
620.32	GROUTING VOIDS IN BACKFILL MATERIAL	CY	10.00	\$400.00	\$4,000.00	\$300.00	\$3,000.00	\$350.00	\$3,500.00
629.8301	PRECAST CONCRETE SPECIAL HEADWALL	U	1.00	\$27,180.00	\$27,180.00	\$30,000.00	\$30,000.00	\$45,000.00	\$45,000.00
634.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	2.00	\$250.00	\$500.00	\$150.00	\$300.00	\$225.00	\$450.00
683.002	RESET EXISTING RIPRAP	SY	300.00	\$45.00	\$13,500.00	\$10.00	\$3,000.00	\$18.00	\$5,400.00
686.2	STONE FILL, CLASS B	CY	240.00	\$75.00	\$18,000.00	\$36.00	\$8,640.00	\$88.00	\$21,120.00
686.3401	SIMULATED STREAMBED MATERIAL	CY	10.00	\$60.00	\$600.00	\$75.00	\$750.00	\$25.00	\$250.00
683.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	600.00	\$4.00	\$2,400.00	\$2.50	\$1,500.00	\$3.50	\$2,100.00
602.911	FILL MATERIAL FOR ANNULAR SPACE	CY	230.00	\$300.00	\$69,000.00	\$225.00	\$51,750.00	\$285.00	\$65,550.00
602.24590	POLYMER COATED CORR. GALV. STEEL LINER FOR 90" PIPE	LF	620.00	\$950.00	\$589,000.00	\$552.00	\$342,240.00	\$535.00	\$331,700.00
603.0001	VIDEO INSPECTION	LF	60.00	\$10.00	\$600.00	\$20.00	\$1,200.00	\$15.00	\$900.00

Item No.	Description	Unit	Quantity	P&A E		NORTHEAST EARTH MECHANICS INC 158 BARNSTEAD ROAD PITTSFIELD, NH 03263		C.L.H. & SON INC 2841 TURNER ROAD AUBURN, ME 04219	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
603.14424	24" POLYMER COATED CORRUGATED STEEL PIPE, 0.109" THICK	LF	40.00	\$100.00	\$4,000.00	\$100.00	\$4,000.00	\$125.00	\$5,000.00
603.34112	12" STEEL END SECTIONS	EA	3.00	\$275.00	\$825.00	\$85.00	\$255.00	\$600.00	\$1,800.00
603.34124	24" STEEL END SECTIONS	EA	1.00	\$500.00	\$500.00	\$230.00	\$230.00	\$600.00	\$600.00
603.44212	12" CORR. POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	20.00	\$100.00	\$2,000.00	\$60.00	\$1,200.00	\$72.00	\$1,440.00
608.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	150.00	\$34.00	\$5,100.00	\$55.00	\$8,250.00	\$50.00	\$7,500.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	35,000.00	\$1.00	\$35,000.00	\$1.00	\$35,000.00	\$1.00	\$35,000.00
618.7	FLAGGERS	HR	400.00	\$37.00	\$14,800.00	\$35.00	\$14,000.00	\$36.00	\$14,400.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$45,000.00	\$45,000.00	\$25,000.00	\$25,000.00	\$36,601.00	\$36,601.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$2,500.00	\$10,000.00	\$4,000.00	\$16,000.00	\$2,415.00	\$9,660.00
622.1	STEEL WITNESS MARKERS	EA	3.00	\$150.00	\$450.00	\$50.00	\$150.00	\$45.00	\$135.00
644.22	SHRUB/FOREST WETLAND SEED MIX	LB	5.00	\$100.00	\$500.00	\$300.00	\$1,500.00	\$100.00	\$500.00
645.3	EROSION STONE	TON	60.00	\$50.00	\$3,000.00	\$25.00	\$1,500.00	\$27.00	\$1,620.00
645.44	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	SY	1,325.00	\$4.00	\$5,300.00	\$2.50	\$3,312.50	\$3.00	\$3,975.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	800.00	\$5.00	\$4,000.00	\$4.75	\$3,800.00	\$5.00	\$4,000.00
645.531	SILT FENCE	LF	1,230.00	\$3.50	\$4,305.00	\$2.50	\$3,075.00	\$2.00	\$2,460.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$4,000.00	\$4,000.00	\$1,800.00	\$1,800.00	\$3,000.00	\$3,000.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	96.00	\$100.00	\$9,600.00	\$70.00	\$6,720.00	\$100.00	\$9,600.00
648.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	1,675.00	\$5.00	\$8,375.00	\$5.25	\$8,793.75	\$8.00	\$10,050.00
670.0491	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$17,500.00	\$17,500.00	\$40,000.00	\$40,000.00	\$35,365.20	\$35,365.20
670.0492	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$7,500.00	\$7,500.00	\$30,000.00	\$30,000.00	\$7,500.00	\$7,500.00
670.0493	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$10,000.00	\$10,000.00	\$35,000.00	\$35,000.00	\$14,650.00	\$14,650.00
670.96	TEMPORARY SAFETY FENCE	LF	150.00	\$4.00	\$600.00	\$3.00	\$450.00	\$2.50	\$375.00
692.	MOBILIZATION	U	1.00	\$125,000.00	\$125,000.00	\$99,100.00	\$99,100.00	\$180,000.00	\$180,000.00
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$2,500.00	\$2,500.00	\$1,500.00	\$1,500.00	\$805.00	\$805.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00	\$2,875.00	\$2,875.00



ABC Bid Data

BEDFORD

42268

X-A004(797)

Item No.	Description	Unit	Quantity	PS&E		NORTHEAST EARTH MECHANICS INC 189 BARNSTEAD ROAD PITTSFIELD, NH 03263		C.L.H. & SON INC 2841 TURNER ROAD AUBURN, ME 04210	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
698.13	FIELD OFFICE TYPE C	MON	5.00	\$2,500.00	\$12,500.00	\$2,500.00	\$12,500.00	\$3,800.00	\$19,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
Totals:					\$1,200,580.00		\$1,080,098.25		\$1,108,738.70
Alt. Totals:									
Totals:					\$1,200,580.00		\$1,080,098.25		\$1,108,738.70



ABC Bid Data

BEDFORD
42268
X-A004(797)

Item No.	Description	Unit	Quantity	PS&E		BUSBY CONSTRUCTION CO., INC. 71 ROUTE 111 ATKINSON, NH 03811		PIPER, R. M. INC. 141 SMITH BRIDGE RD PLYMOUTH, NH 03254-0498	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

201.831	INVASIVE SPECIES CONTROL TYPE I	SY	1,800.00	\$5.00	\$9,000.00	\$5.00	\$9,000.00	\$10.00	\$18,000.00
202.31	FILL ABANDONED PIPE	CY	16.00	\$325.00	\$5,200.00	\$250.00	\$4,000.00	\$300.00	\$4,800.00
202.42	REMOVAL OF EXISTING PIPE OVER 24" DIAMETER	LF	16.00	\$250.00	\$3,750.00	\$75.00	\$1,125.00	\$800.00	\$12,000.00
202.7	REMOVAL OF GUARDRAIL	LF	150.00	\$3.50	\$525.00	\$10.00	\$1,500.00	\$25.00	\$3,750.00
203.11	COMMON EXCAVATION - LRS	CY	128.00	\$35.00	\$4,375.00	\$15.00	\$1,875.00	\$30.00	\$3,750.00
203.601	EMBANKMENT-IN-PLACE	CY	165.00	\$16.00	\$2,640.00	\$5.00	\$825.00	\$25.00	\$4,125.00
203.602	EMBANKMENT-IN-PLACE (HAULING, HANDLING AND PLACEMENT)	CY	730.00	\$16.00	\$11,680.00	\$16.00	\$11,680.00	\$25.00	\$18,250.00
206.1	COMMON STRUCTURE EXCAVATION	CY	210.00	\$40.00	\$8,400.00	\$30.00	\$6,300.00	\$25.00	\$5,250.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	10.00	\$75.00	\$750.00	\$80.00	\$800.00	\$75.00	\$750.00
209.1	GRANULAR BACKFILL	CY	75.00	\$25.00	\$1,875.00	\$50.00	\$3,750.00	\$35.00	\$2,625.00
214.	FINE GRADING	U	1.00	\$5,000.00	\$5,000.00	\$25,000.00	\$25,000.00	\$8,500.00	\$8,500.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$35,000.00	\$35,000.00	\$310,000.00	\$310,000.00	\$90,000.00	\$90,000.00
503.201	COFFERDAMS	U	1.00	\$35,000.00	\$35,000.00	\$62,000.00	\$62,000.00	\$100,000.00	\$100,000.00
508.	STRUCTURAL FILL	CY	30.00	\$75.00	\$2,250.00	\$85.00	\$2,550.00	\$50.00	\$1,500.00
520.32	GROUTING VOIDS IN BACKFILL MATERIAL	CY	10.00	\$400.00	\$4,000.00	\$500.00	\$5,000.00	\$375.00	\$3,750.00
529.8301	PRECAST CONCRETE SPECIAL HEADWALL	U	1.00	\$27,180.00	\$27,180.00	\$25,000.00	\$25,000.00	\$75,000.00	\$75,000.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	2.00	\$250.00	\$500.00	\$80.00	\$160.00	\$150.00	\$300.00
583.002	RESET EXISTING RIPRAP	SY	300.00	\$45.00	\$13,500.00	\$14.00	\$4,200.00	\$40.00	\$12,000.00
585.2	STONE FILL, CLASS B	CY	240.00	\$75.00	\$18,000.00	\$70.00	\$16,800.00	\$50.00	\$12,000.00
585.3401	SIMULATED STREAMBED MATERIAL	CY	10.00	\$60.00	\$600.00	\$85.00	\$850.00	\$50.00	\$500.00
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	600.00	\$4.00	\$2,400.00	\$2.25	\$1,350.00	\$3.00	\$1,800.00
602.011	FILL MATERIAL FOR ANNULAR SPACE	CY	230.00	\$300.00	\$69,000.00	\$330.00	\$75,900.00	\$340.00	\$78,200.00
602.24590	POLYMER COATED CORR. GALV. STEEL LINER FOR 90" PIPE	LF	620.00	\$950.00	\$589,000.00	\$420.00	\$260,400.00	\$750.00	\$465,000.00
603.0001	VIDEO INSPECTION	LF	60.00	\$10.00	\$600.00	\$5.00	\$300.00	\$5.00	\$300.00

Item No.	Description	Unit	Quantity	PS&E		BUSBY CONSTRUCTION CO., INC. 71 ROUTE 111 ATKINSON, NH 03811		PIPER, R. M. INC. 141 SMITH BRIDGE RD PLYMOUTH, NH 03264-0490	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
603.14424	24" POLYMER COATED CORRUGATED STEEL PIPE, 0.109" THICK	LF	40.00	\$100.00	\$4,000.00	\$75.00	\$3,000.00	\$180.00	\$7,200.00
603.34112	12" STEEL END SECTIONS	EA	3.00	\$275.00	\$825.00	\$75.00	\$225.00	\$350.00	\$1,050.00
603.34124	24" STEEL END SECTIONS	EA	1.00	\$500.00	\$500.00	\$625.00	\$625.00	\$450.00	\$450.00
603.44212	12" CORR. POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	20.00	\$100.00	\$2,000.00	\$50.00	\$1,000.00	\$40.00	\$800.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	150.00	\$34.00	\$5,100.00	\$40.00	\$6,000.00	\$40.00	\$6,000.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	35,000.00	\$1.00	\$35,000.00	\$1.00	\$35,000.00	\$1.00	\$35,000.00
618.7	FLAGGERS	HR	400.00	\$37.00	\$14,800.00	\$36.00	\$14,400.00	\$37.50	\$15,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$45,000.00	\$45,000.00	\$28,000.00	\$28,000.00	\$45,000.00	\$45,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$2,500.00	\$10,000.00	\$3,800.00	\$15,200.00	\$5,500.00	\$22,000.00
622.1	STEEL WITNESS MARKERS	EA	3.00	\$150.00	\$450.00	\$50.00	\$150.00	\$25.00	\$75.00
644.22	SHRUB/FOREST WETLAND SEED MIX	LB	6.00	\$100.00	\$500.00	\$400.00	\$2,000.00	\$350.00	\$1,750.00
645.3	EROSION STONE	TON	60.00	\$50.00	\$3,000.00	\$32.00	\$1,920.00	\$25.00	\$1,500.00
645.44	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	SY	1,325.00	\$4.00	\$5,300.00	\$3.00	\$3,975.00	\$3.00	\$3,975.00
645.612	COMPOST SOCK FOR PERIMETER BERM	LF	800.00	\$5.00	\$4,000.00	\$6.00	\$4,800.00	\$8.00	\$6,400.00
645.631	SILT FENCE	LF	1,230.00	\$3.50	\$4,305.00	\$3.00	\$3,690.00	\$4.25	\$5,227.50
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$4,000.00	\$4,000.00	\$2,114.00	\$2,114.00	\$6,500.00	\$6,500.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	96.00	\$100.00	\$9,600.00	\$75.00	\$7,200.00	\$85.00	\$8,160.00
648.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	1,676.00	\$5.00	\$8,375.00	\$5.00	\$8,375.00	\$3.50	\$5,862.50
670.0491	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$17,500.00	\$17,500.00	\$40,000.00	\$40,000.00	\$28,500.00	\$28,500.00
670.0492	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$7,500.00	\$7,500.00	\$20,000.00	\$20,000.00	\$15,500.00	\$15,500.00
670.0493	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$10,000.00	\$10,000.00	\$38,000.00	\$38,000.00	\$45,000.00	\$45,000.00
670.96	TEMPORARY SAFETY FENCE	LF	180.00	\$4.00	\$800.00	\$5.00	\$750.00	\$3.00	\$450.00
692.	MOBILIZATION	U	1.00	\$125,000.00	\$125,000.00	\$90,000.00	\$90,000.00	\$170,000.00	\$170,000.00
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$2,500.00	\$2,500.00	\$1,700.00	\$1,700.00	\$1,200.00	\$1,200.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$3,000.00	\$3,000.00	\$2,700.00	\$2,700.00	\$1,200.00	\$1,200.00



ABC Bid Data

BEDFORD

42268

X-A004(797)

Item No.	Description	Unit	Quantity	P&A E		BUSBY CONSTRUCTION CO., INC. 71 ROUTE 111 ATKINSON, NH 03811		PIPER, R. M. INC. 141 SMITH BRIDGE RD PLYMOUTH, NH 03254-0498	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
698.13	FIELD OFFICE TYPE C	MON	5.00	\$2,500.00	\$12,500.00	\$2,400.00	\$12,000.00	\$1,200.00	\$6,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00
1010.16	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
Totals:					\$1,200,580.00		\$1,189,189.00		\$1,376,950.00
Alt. Totals:									
Totals:					\$1,200,580.00		\$1,189,189.00		\$1,376,950.00



PS&E Comparison

BEDFORD
42268
X-A004(797)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
Items								
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	1,800.00	\$3.50	\$6,300.00	\$5.00	\$9,000.00	(\$2,700.00)
202.31	FILL ABANDONED PIPE	CY	16.00	\$200.00	\$3,200.00	\$325.00	\$5,200.00	(\$2,000.00)
202.42	REMOVAL OF EXISTING PIPE OVER 24" DIAMETER	LF	15.00	\$200.00	\$3,000.00	\$250.00	\$3,750.00	(\$750.00)
202.7	REMOVAL OF GUARDRAIL	LF	150.00	\$10.00	\$1,500.00	\$3.50	\$525.00	\$975.00
203.11	COMMON EXCAVATION - LRS	CY	125.00	\$17.50	\$2,187.50	\$35.00	\$4,375.00	(\$2,187.50)
203.601	EMBANKMENT-IN-PLACE	CY	165.00	\$8.50	\$1,402.50	\$16.00	\$2,640.00	(\$1,237.50)
203.602	EMBANKMENT-IN-PLACE (HAULING, HANDLING AND PLACEMENT)	CY	730.00	\$12.00	\$8,760.00	\$16.00	\$11,680.00	(\$2,920.00)
206.1	COMMON STRUCTURE EXCAVATION	CY	210.00	\$13.00	\$2,730.00	\$40.00	\$8,400.00	(\$5,670.00)
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	10.00	\$60.00	\$600.00	\$75.00	\$750.00	(\$150.00)
209.1	GRANULAR BACKFILL	CY	75.00	\$50.00	\$3,750.00	\$25.00	\$1,875.00	\$1,875.00
214.	FINE GRADING	U	1.00	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000.00	(\$3,000.00)
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$200,000.00	\$200,000.00	\$35,000.00	\$35,000.00	\$165,000.00
503.201	COFFERDAMS	U	1.00	\$30,000.00	\$30,000.00	\$35,000.00	\$35,000.00	(\$5,000.00)
508.	STRUCTURAL FILL	CY	30.00	\$55.00	\$1,650.00	\$75.00	\$2,250.00	(\$600.00)



PS&E Comparison

BEDFORD

42268

X-A004(797)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
520.32	GROUTING VOIDS IN BACKFILL MATERIAL	CY	10.00	\$300.00	\$3,000.00	\$400.00	\$4,000.00	(\$1,000.00)
529.8301	PRECAST CONCRETE SPECIAL HEADWALL	U	1.00	\$30,000.00	\$30,000.00	\$27,180.00	\$27,180.00	\$2,820.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	2.00	\$150.00	\$300.00	\$250.00	\$500.00	(\$200.00)
583.002	RESET EXISTING RIPRAP	SY	300.00	\$10.00	\$3,000.00	\$45.00	\$13,500.00	(\$10,500.00)
585.2	STONE FILL, CLASS B	CY	240.00	\$36.00	\$8,640.00	\$75.00	\$18,000.00	(\$9,360.00)
585.3401	SIMULATED STREAMBED MATERIAL	CY	10.00	\$75.00	\$750.00	\$60.00	\$600.00	\$150.00
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	600.00	\$2.50	\$1,500.00	\$4.00	\$2,400.00	(\$900.00)
602.011	FILL MATERIAL FOR ANNULAR SPACE	CY	230.00	\$225.00	\$51,750.00	\$300.00	\$69,000.00	(\$17,250.00)
602.24590	POLYMER COATED CORR. GALV. STEEL LINER FOR 90" PIPE	LF	620.00	\$552.00	\$342,240.00	\$950.00	\$589,000.00	(\$246,760.00)
603.0001	VIDEO INSPECTION	LF	60.00	\$20.00	\$1,200.00	\$10.00	\$600.00	\$600.00
603.14424	24" POLYMER COATED CORRUGATED STEEL PIPE, 0.109" THICK	LF	40.00	\$100.00	\$4,000.00	\$100.00	\$4,000.00	\$0.00
603.34112	12" STEEL END SECTIONS	EA	3.00	\$85.00	\$255.00	\$275.00	\$825.00	(\$570.00)
603.34124	24" STEEL END SECTIONS	EA	1.00	\$230.00	\$230.00	\$500.00	\$500.00	(\$270.00)
603.44212	12" CORR. POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	20.00	\$60.00	\$1,200.00	\$100.00	\$2,000.00	(\$800.00)
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	150.00	\$55.00	\$8,250.00	\$34.00	\$5,100.00	\$3,150.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	35,000.00	\$1.00	\$35,000.00	\$1.00	\$35,000.00	\$0.00

PS&E Comparison

BEDFORD
 42268
 X-A004(797)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
618.7	FLAGGERS	HR	400.00	\$35.00	\$14,000.00	\$37.00	\$14,800.00	(\$800.00)
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$25,000.00	\$25,000.00	\$45,000.00	\$45,000.00	(\$20,000.00)
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$4,000.00	\$16,000.00	\$2,500.00	\$10,000.00	\$6,000.00
622.1	STEEL WITNESS MARKERS	EA	3.00	\$50.00	\$150.00	\$150.00	\$450.00	(\$300.00)
644.22	SHRUB/FOREST WETLAND SEED MIX	LB	5.00	\$300.00	\$1,500.00	\$100.00	\$500.00	\$1,000.00
645.3	EROSION STONE	TON	60.00	\$25.00	\$1,500.00	\$50.00	\$3,000.00	(\$1,500.00)
645.44	TEMPORARY SLOPE MATTING TYPE D (MILDLIFE FRIENDLY)	SY	1,325.00	\$2.50	\$3,312.50	\$4.00	\$5,300.00	(\$1,987.50)
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	800.00	\$4.75	\$3,800.00	\$5.00	\$4,000.00	(\$200.00)
645.531	SILT FENCE	LF	1,230.00	\$2.50	\$3,075.00	\$3.50	\$4,305.00	(\$1,230.00)
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$1,800.00	\$1,800.00	\$4,000.00	\$4,000.00	(\$2,200.00)
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	96.00	\$70.00	\$6,720.00	\$100.00	\$9,600.00	(\$2,880.00)
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	1,675.00	\$5.25	\$8,793.75	\$5.00	\$8,375.00	\$418.75
670.0491	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$40,000.00	\$40,000.00	\$17,500.00	\$17,500.00	\$22,500.00
670.0492	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$30,000.00	\$30,000.00	\$7,500.00	\$7,500.00	\$22,500.00
670.0493	CONSTRUCT AND REMOVE TEMPORARY ACCESS ROAD	U	1.00	\$35,000.00	\$35,000.00	\$10,000.00	\$10,000.00	\$25,000.00



PS&E Comparison

BEDFORD
42268
X-A004(797)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
670.95	TEMPORARY SAFETY FENCE	LF	150.00	\$3.00	\$450.00	\$4.00	\$600.00	(\$150.00)
692.	MOBILIZATION	U	1.00	\$99,100.00	\$99,100.00	\$125,000.00	\$125,000.00	(\$25,900.00)
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00	(\$1,000.00)
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00	(\$500.00)
698.13	FIELD OFFICE TYPE C	MON	5.00	\$2,500.00	\$12,500.00	\$2,500.00	\$12,500.00	\$0.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
Total:					\$1,080,096.25		\$1,200,580.00	(\$120,483.75)

September 9, 2020

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: The project will rehabilitate an existing 90" diameter x 632' long corrugated metal culvert carrying Bowman Brook under Boynton St and NH 101. The proposed design includes replacing the existing damaged mitered end section at the inlet with a concrete headwall (shortening the culvert by about 12'), replacing a failed 18" pipe connection near the middle of the culvert with a 24" pipe connection, repairing erosion resulting from the failed 18" pipe connection, and slip lining the remaining (620') of 90" culvert with a polymer coated corrugated metal liner.

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

CONTINGENCY: The proposed contingency amount is 7% of the contract amount. This is to account for the risks associated with the unknown extent of voids around the 90" pipe, repair of actively eroding areas, unanticipated traffic control needs, and potential risk of over-runs in minor Items such as structure excavation, invasive species control, and erosion control.

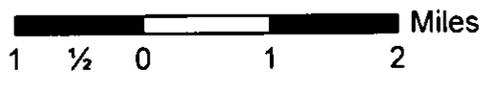
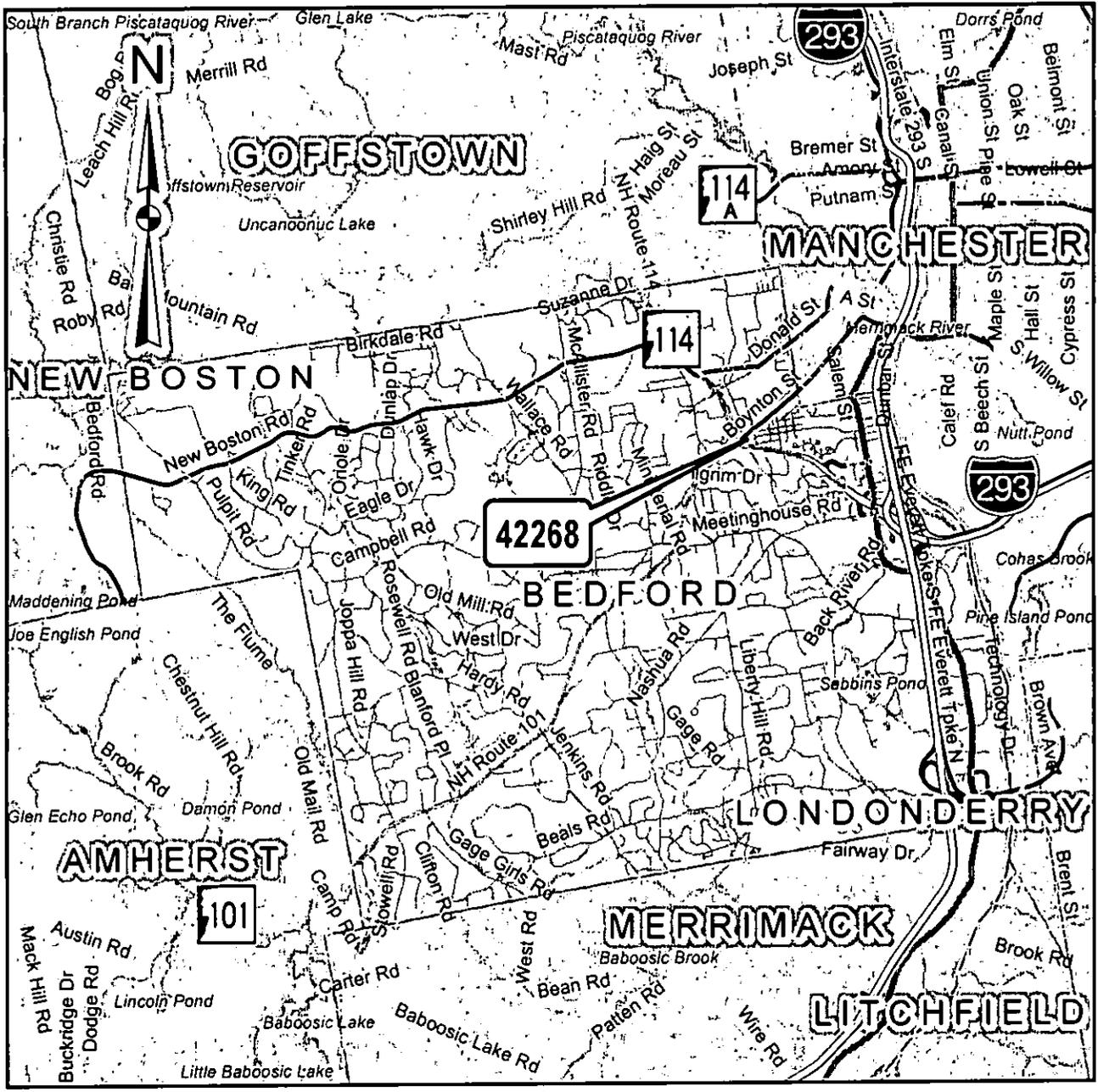
PROJECT INITIATED: State's 10 Year Plan, under the CRDR Program.

PROJECT EXPLANATION: The original culvert was constructed in 1961 at 540' long and was extended about 100' on the outlet end in 1996. The 1961 portion is in very poor condition, with perforations along the sides and leaking joints. The 1996 portion is not as deteriorated but is heavily rusted along the bottom and lower sides. The inlet mitered end is damaged and sinkholes have developed on the inlet side embankment. A failed saddle connection near the middle of the 90" culvert has caused significant erosion in the area between NH101 WB and Boynton St.

TRAFFIC IMPLICATION: Lane and shoulder closures will be required for access to the culvert ends and for equipment and material deliveries. Lane closures will not be allowed during peak hours. Roadways will be returned to normal operation during non-work hours. No night work is proposed. Delivery of materials and equipment may be allowed at night, if requested by the Contractor and approved by the Engineer. Traffic will be controlled using cones/drums, uniformed officers, and flaggers. No signal modifications are anticipated. Work that impacts traffic will not be allowed on Sundays, Holidays, the day before and after a Holiday, or during special events scheduled by the Town.

FINAL COMPLETION DATE: August 27, 2021.

BEDFORD - NH 101/BOYNTON ST



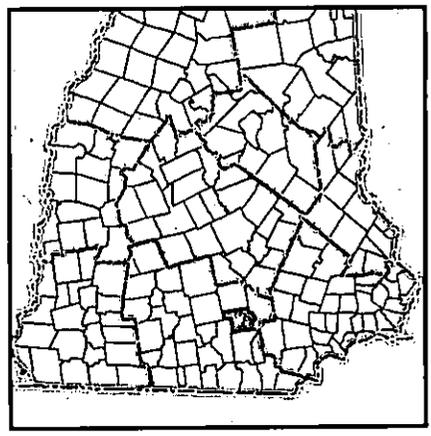
LEGEND

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

New Hampshire
DOT
 Department of Transportation

State #: 42268
 Federal #: X-A004 (797)

LOCATION MAP





NORTEAR-01

KPETTIT

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/29/2020

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

PRODUCER The Davis Agency, LLC 28 Commercial Street Suite 5 Concord, NH 03301	CONTACT NAME: Kathy Pettit	
	PHONE (A/C, No, Ext): (603) 856-7176	FAX (A/C, No): (603) 715-1911
E-MAIL ADDRESS: kathy@thedavisagency.com		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: Acadia Insurance Company		
INSURER B: Westchester Surplus Lines Insurance Co.		
INSURER C: Underwriters at Lloyd's, London		
INSURER D:		
INSURER E:		
INSURER F:		

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDL INCD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:	X		CPA5198627-15	4/23/2020	4/23/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	X		CAA5198635-15	4/23/2020	4/23/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
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 \$ 0	X		CUA5198637-15	4/23/2020	4/23/2021	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 Prod/Comp. Ops \$ 10,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WPA5198638-16	4/23/2020	4/23/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	Pollution Liability			G27584573 006	4/23/2020	4/23/2021	Each Occurrence \$ 5,000,000
C	Prof. Liability			ANE4316797-19	11/4/2019	11/4/2020	Each Occurrence \$ 3,000,000

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

**Workers Compensation 3A States: NH, MA, ME.

RE: Bedford X-A004(797), 42268. It is agreed and understood that the State of New Hampshire, Department of Transportation is included as additional insured on a primary and non-contributory basis on General Liability for ongoing operations, Automobile and Umbrella when required by written contract.

CERTIFICATE HOLDER

CANCELLATION

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

