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THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION



Victoria F. Sheehan Commissioner

William Cass, P.E. Assistant Commissioner

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

Bureau of Construction October 22, 2018

REQUESTED ACTION

1. Authorize the Department of Transportation to enter into a contract with J.P. Sicard, Inc. (Vendor 227157) of Barton, VT on the basis of a low bid of \$894,109.10 for culvert rehabilitation/replacement located east of NH 142 (Maple Street), carrying an unnamed tributary to Barrett Brook under US Route 302 in Bethlehem, from the date of Governor and Council approval through September 20, 2019 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available in State Fiscal Year 2019 and is contingent upon the availability and continued appropriation of funds in Fiscal Year 2020 as follows, with the ability to adjust encumbrances through the Budget Office between State Fiscal Years if needed and justified:

Table with 3 columns: Funding description, FY 2019, FY 2020. Row 1: Consolidated Federal Aid 400-500870 Highway Contract Payments, \$400,000.00, \$494,109.10

2. Further authorize that a contingency in the amount of \$89,410.91 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 10% of the contract amount.

Table with 3 columns: Funding description, FY 2019, FY 2020. Row 1: Consolidated Federal Aid 400-500870 Highway Contract Payments, \$89,410.91

EXPLANATION

This project is part of the State's Ten Year Transportation Improvement Plan under the Culvert Replacement/Rehabilitation and Drainage Repairs Program (CRDR). This project involves rehabilitation of a 175' long deteriorating box culvert of various sizes and materials, located approximately 300 feet east of NH 142 (Maple Street), carrying an unnamed tributary to Barrett Brook under US Route 302. This project also includes a full width pavement overlay of US 302, which begins just west of the intersection with NH 142 and proceeds easterly for approximately 850 feet to just east of the intersection with Congress Street. The scope of work includes sliplining the existing culvert, replacing two retaining walls at the culvert inlet, minor drainage improvements within US 302, and drive access improvements.

The original culvert was a mortared stone box, year of construction unknown. At some point, the stone box was extended upstream with a concrete box and downstream with a corrugated steel arch. In 2013, a sink hole developed over the steel arch section and a Bridge Design inspection of the culvert resulted in a rating of "4" (poor). The Bridge inspectors also noted a stability issue for one of the concrete retaining walls at the culvert inlet that should be addressed. In 2015 and 2018, additional sink holes developed in the westbound lane of US 302 over the existing closed drainage system that extends into the stone box section of the culvert. Given the vintage of the existing stone box, major repairs needed along the length of the culvert, recurring sinkholes, failing retaining wall at the culvert inlet, and existing soil/groundwater contamination in the vicinity of the culvert outlet, it was determined that the culvert needed to be rehabilitated.

The proposed contingency amount is 10% of the contract amount. This is to account for field adjustments that may result from unknown existing subsurface, culvert, and retaining wall conditions due to the lack of existing plans and vintage of the culvert. The contingency amount also accounts for the unknown extent of the existing soil/groundwater contamination during the excavation for the proposed drainage work under US 302.

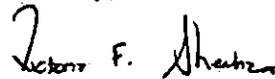
Although the bid costs exceeded the Department's estimate by 28.03%, the low bid of 2 bids received is felt to be reasonable for the work involved. The two bids received were within 8% of one another. Higher bid prices for the culvert liner, hand method pavement, water diversion, cofferdams and precast footings were the major contributors to the overage. This project utilized a relatively new approach to rehabilitate the culvert crossing and involves a limited size work area with soil contamination challenges that made it more difficult to estimate project costs. Re-advertising this project would result, in our opinion, in higher prices and prevent the completion of the work in a timely manner. The Department considers it to be in the best interest of the State to accept this bid to accomplish these needed repairs.

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

This project funding is 80% federal funds with 20% state match. Turnpike toll credit is being utilized for match requirements, effectively using 100% federal funds.

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

Sincerely,



Victoria F. Sheehan
Commissioner

VFS/md

Department Estimate: \$698,380.20
Contract Amount: \$894,109.10
Over Estimate: \$195,728.90
Attachments

August 24, 2018

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project involves rehabilitation of a 175' long deteriorating box culvert of various sizes and materials, located approximately 300 feet east of NH 142 (Maple Street), carrying an unnamed tributary to Barrett Brook under US Route 302. This project also includes a full width pavement overlay of US 302, which begins just west of the intersection with NH 142 and proceeds easterly for approximately 850 feet to just east of the intersection with Congress Street. The scope of work includes sliplining the existing culvert, replacing two retaining walls at the culvert inlet, minor drainage improvements within US 302, and drive access improvements.

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

CONTINGENCY: The proposed contingency amount is 10% of the contract amount. This is to account for field adjustments that may result from unknown existing subsurface, culvert, and retaining wall conditions due to the lack of existing plans and vintage of the culvert. The contingency amount also accounts for the unknown extent of the existing soil/groundwater contamination during the excavation for the proposed drainage work under US 302.

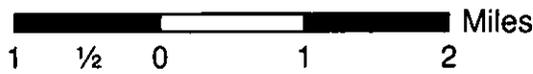
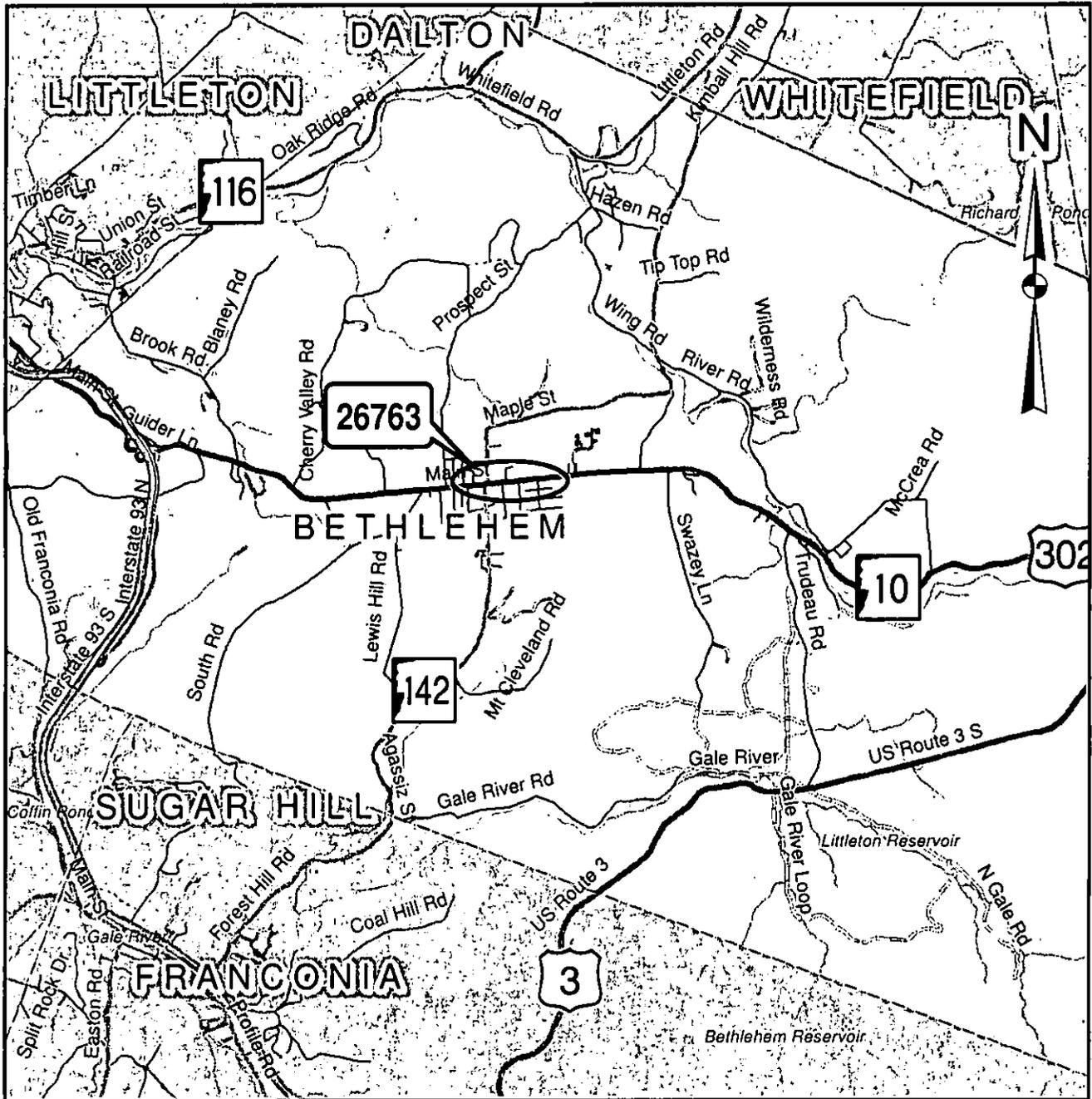
PROJECT INITIATED: State Ten Year Plan under the Culvert Replacement/Rehabilitation and Drainage Repairs (CRDR) Program.

PROJECT EXPLANATION: The original culvert was a mortared stone box, year of construction unknown. At some point, the stone box was extended upstream with a concrete box and downstream with a corrugated steel arch. In 2013, a sink hole developed over the steel arch section and a Bridge Design inspection of the culvert resulted in a rating of "4" (poor). The Bridge inspectors also noted a stability issue for one of the concrete retaining walls at the culvert inlet that should be addressed. In 2015 and 2018, additional sink holes developed in the westbound lane of US 302 over the existing closed drainage system that extends into the stone box section of the culvert. Given the vintage of the existing stone box, major repairs needed along the length of the culvert, recurring sinkholes, failing retaining wall at the culvert inlet, and existing soil/groundwater contamination in the vicinity of the culvert outlet, it was determined that the culvert would be sliplined instead of replaced (to avoid excavating contaminated material) and the retaining walls and existing closed drainage system would be replaced in-kind.

TRAFFIC IMPLICATION: All work is anticipated to be done during the day. Traffic impacts will be minimal during sliplining operations and construction of retaining walls at the culvert inlet. Lane shifts will be required for paving, striping, and the proposed drainage work under US 302. Short-term one lane, alternating two-way traffic may be used with prior approval. Access will be maintained at all times during construction for emergency vehicles entering and leaving the Town of Bethlehem Fire Department, as well as for vehicles utilizing the businesses on the northern side of US 302. The use of flaggers and officers will be minimal.

FINAL COMPLETION DATE: September 20, 2019.

BETHLEHEM - US ROUTE 302

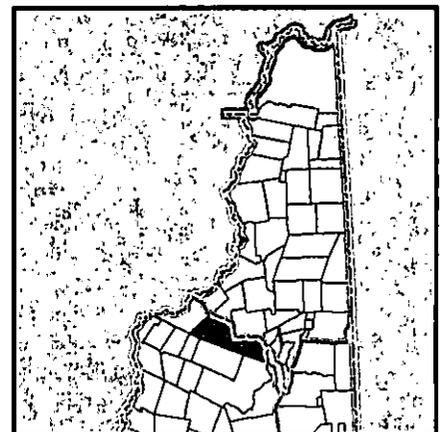


LEGEND

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

New Hampshire
DOT
Department of Transportation

State # 26763
Federal # X-A004(296)
LOCATION MAP





ABC Bid Data

BETHLEHEM
26763
X-A004(296)

PROJECT: BETHLEHEM
STATE PROJECT NUMBER: 26763
FED. PROJECT NUMBER: X-A004(296)
DATE BIDS OPEN: October 04, 2018, 2:00
SCOPE OF WORK: Culvert rehabilitation/replacement
COMPLETION DATE: September 20, 2019
LOCATION: Grafton

Awarded To: SICARD INC, J P
234 GLOVER ROAD
BARTON, VT 05822

Amount: \$894,109.10
Award Date:

Certified by: PETER E. STAMNAS
Director of Project Development

Summary of Bidders

Contractor	Bid Amount	Rank
SICARD INC, J P 234 GLOVER ROAD BARTON VT 05822	\$894,109.10	A
C.L.H. & SON INC 2841 TURNER ROAD, AUBURN ME 04210	\$969,980.47	B

Item No.	Description	Unit	Quantity	P&E		SICARD INC. J P 234 CLOVER ROAD BARTON, VT 05822		C.L.H. & SON INC 2841 TURNER ROAD AUBURN, ME 04218	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

201.21	REMOVING SMALL TREES	EA	4.00	\$400.00	\$1,600.00	\$1,000.00	\$4,000.00	\$100.00	\$400.00
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	10.00	\$8.00	\$80.00	\$23.00	\$230.00	\$48.00	\$480.00
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	40.00	\$8.00	\$320.00	\$29.00	\$1,160.00	\$24.00	\$960.00
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	510.00	\$25.00	\$12,750.00	\$18.00	\$9,180.00	\$25.00	\$12,750.00
203.1	COMMON EXCAVATION	CY	85.00	\$20.00	\$1,700.00	\$11.00	\$935.00	\$50.74	\$4,312.90
203.383	LIVE LOADING CONTAMINATED SOILS (DEPARTMENT DISPOSAL)	CY	1,250.00	\$30.00	\$37,500.00	\$8.00	\$10,000.00	\$12.00	\$15,000.00
203.6	EMBANKMENT-IN-PLACE (F)	CY	10.00	\$30.00	\$300.00	\$50.00	\$500.00	\$44.00	\$440.00
206.1	COMMON STRUCTURE EXCAVATION	CY	167.00	\$20.00	\$3,340.00	\$14.00	\$2,338.00	\$24.00	\$4,008.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	10.00	\$50.00	\$500.00	\$60.00	\$600.00	\$35.40	\$354.00
206.2	ROCK STRUCTURE EXCAVATION	CY	54.00	\$85.00	\$4,590.00	\$90.00	\$4,860.00	\$65.00	\$3,510.00
209.1	GRANULAR BACKFILL	CY	1,250.00	\$30.00	\$37,500.00	\$28.00	\$35,000.00	\$17.00	\$21,250.00
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	105.00	\$60.00	\$6,300.00	\$55.00	\$5,775.00	\$30.31	\$3,182.55
211.11	VIBRATION MONITORING SERVICES	HR	24.00	\$150.00	\$3,600.00	\$100.00	\$2,400.00	\$288.00	\$6,912.00
304.301	CRUSHED GRAVEL	CY	270.00	\$40.00	\$10,800.00	\$51.00	\$13,770.00	\$32.26	\$8,710.20
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	470.00	\$130.00	\$61,100.00	\$184.00	\$86,480.00	\$184.00	\$86,480.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	180.00	\$9.00	\$1,620.00	\$9.00	\$1,620.00	\$11.50	\$2,070.00
411.3	PLANT MIX SURFACE TREATMENT (ASPHALT CEMENT), PAVER SHIM	TON	180.00	\$85.00	\$15,300.00	\$131.00	\$23,580.00	\$126.50	\$22,770.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	1,150.00	\$25.00	\$28,750.00	\$9.00	\$10,350.00	\$10.93	\$12,569.50
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$5,000.00	\$5,000.00	\$3,400.00	\$3,400.00	\$812.00	\$812.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$10,000.00	\$10,000.00	\$27,715.00	\$27,715.00	\$55,000.00	\$55,000.00
503.201	COFFERDAMS	U	1.00	\$30,000.00	\$30,000.00	\$87,438.00	\$87,438.00	\$20,000.00	\$20,000.00
508.	STRUCTURAL FILL	CY	21.00	\$65.00	\$1,365.00	\$75.00	\$1,575.00	\$50.62	\$1,063.02
520.12007	CONCRETE CLASS A, ABOVE FOOTINGS (PRECAST OPTION) (F)	CY	30.00	\$650.00	\$19,500.00	\$1,260.00	\$37,800.00	\$400.00	\$12,000.00
520.21307	CONCRETE CLASS B, FOOTINGS (ON SOIL) (PRECAST OPTION) (F)	CY	14.00	\$650.00	\$9,100.00	\$720.00	\$10,080.00	\$300.00	\$4,200.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	4.00	\$90.00	\$360.00	\$65.00	\$260.00	\$93.00	\$372.00
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	3.00	\$50.00	\$150.00	\$300.00	\$900.00	\$157.00	\$471.00
544.	REINFORCING STEEL (F)	LB	5,654.00	\$1.30	\$7,350.20	\$1.40	\$7,915.60	\$1.25	\$7,067.50
585.2	STONE FILL, CLASS B	CY	2.00	\$40.00	\$80.00	\$300.00	\$600.00	\$193.00	\$386.00
585.3401	SIMULATED STREAMBED MATERIAL	CY	40.00	\$60.00	\$2,400.00	\$60.00	\$2,400.00	\$52.27	\$2,090.80

Item No.	Description	Unit	Quantity	PS&E		SEARD INC. J P 234 OLOVER ROAD BARTON, VT 05422		C.L.H. & SON INC 2541 TURNER ROAD AUBURN, ME 04210	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
602.011	FILL MATERIAL FOR ANNULAR SPACE	CY	130.00	\$300.00	\$39,000.00	\$375.00	\$48,750.00	\$290.00	\$37,700.00
602.21054	POLYETHYLENE LINER FOR 54" PIPE	LF	35.00	\$700.00	\$24,500.00	\$900.00	\$31,500.00	\$950.00	\$33,250.00
602.24203	CORRUGATED METAL TUNNEL LINER	LF	145.00	\$800.00	\$116,000.00	\$950.00	\$137,750.00	\$1,419.00	\$205,755.00
603.0001	VIDEO INSPECTION	LF	550.00	\$2.00	\$1,100.00	\$1.25	\$687.50	\$2.56	\$1,408.00
603.80215	15" PLASTIC PIPE (SMOOTH INTERIOR)	LF	20.00	\$60.00	\$1,200.00	\$73.00	\$1,460.00	\$150.00	\$3,000.00
603.80218	18" PLASTIC PIPE (SMOOTH INTERIOR)	LF	300.00	\$70.00	\$21,000.00	\$74.00	\$22,200.00	\$65.00	\$19,500.00
603.80224	24" PLASTIC PIPE (SMOOTH INTERIOR)	LF	230.00	\$95.00	\$21,850.00	\$75.00	\$17,250.00	\$62.00	\$14,260.00
604.0007	POLYETHYLENE LINER	EA	7.00	\$150.00	\$1,050.00	\$300.00	\$2,100.00	\$200.00	\$1,400.00
604.124	CATCH BASINS TYPE B, 4-FOOT DIAMETER	U	1.00	\$2,500.00	\$2,500.00	\$4,230.00	\$4,230.00	\$4,652.00	\$4,652.00
604.224	DROP INLETS TYPE B, 4-FOOT DIAMETER	U	1.00	\$2,700.00	\$2,700.00	\$4,110.00	\$4,110.00	\$4,186.00	\$4,186.00
604.326	DRAINAGE MANHOLES, 8-FOOT DIAMETER	U	2.00	\$3,500.00	\$7,000.00	\$6,000.00	\$12,000.00	\$4,400.00	\$8,800.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	5.00	\$400.00	\$2,000.00	\$1,500.00	\$7,500.00	\$290.00	\$1,450.00
608.12	2" BITUMINOUS SIDEWALK (F)	SY	90.00	\$20.00	\$1,800.00	\$32.00	\$2,880.00	\$35.00	\$3,150.00
608.2401	4" CONCRETE SIDEWALK	SY	140.00	\$50.00	\$7,000.00	\$65.00	\$11,900.00	\$67.25	\$8,015.00
608.54	DETECTABLE WARNING DEVICES, CAST IRON	SY	3.50	\$450.00	\$1,575.00	\$300.00	\$1,050.00	\$485.00	\$1,697.50
609.01	STRAIGHT GRANITE CURB	LF	220.00	\$25.00	\$5,500.00	\$29.00	\$6,380.00	\$37.00	\$8,140.00
609.02	CURVED GRANITE CURB	LF	60.00	\$35.00	\$2,100.00	\$37.00	\$2,220.00	\$48.00	\$2,880.00
609.5	RESET GRANITE CURB	LF	180.00	\$30.00	\$5,400.00	\$13.00	\$2,340.00	\$22.00	\$3,960.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00
618.7	FLAGGERS	HR	200.00	\$26.00	\$5,200.00	\$34.00	\$6,800.00	\$45.00	\$9,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$15,000.00	\$15,000.00	\$9,000.00	\$9,000.00	\$65,000.00	\$65,000.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	2,300.00	\$2.00	\$4,600.00	\$1.00	\$2,300.00	\$1.00	\$2,300.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	4,150.00	\$0.50	\$2,075.00	\$0.50	\$2,075.00	\$0.58	\$2,407.00
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	250.00	\$12.00	\$3,000.00	\$3.00	\$750.00	\$3.50	\$875.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	40.00	\$15.00	\$600.00	\$6.00	\$240.00	\$7.00	\$280.00
641.	LOAM	CY	45.00	\$50.00	\$2,250.00	\$50.00	\$2,250.00	\$41.00	\$1,845.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	550.00	\$5.00	\$2,750.00	\$6.00	\$3,300.00	\$5.50	\$3,025.00
645.631	SILT FENCE	LF	550.00	\$5.00	\$2,750.00	\$3.00	\$1,650.00	\$1.75	\$962.50
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	650.00	\$1.50	\$975.00	\$5.00	\$3,250.00	\$2.00	\$1,300.00
647.1	HUMUS	CY	25.00	\$50.00	\$1,250.00	\$37.00	\$925.00	\$40.40	\$1,010.00
692.	MOBILIZATION	U	1.00	\$46,700.00	\$46,700.00	\$115,900.00	\$115,900.00	\$169,831.00	\$169,831.00
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$3,220.00	\$3,220.00

Item No.	Description	Unit	Quantity	PS&E		SCARD INC, J P 234 GLOVER ROAD BARTON, VT 05822		C.L.H. & SON INC 2841 TURNER ROAD AUBURN, ME 04218	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$2,500.00	\$2,500.00	\$3,500.00	\$3,500.00	\$4,600.00	\$4,600.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	2,500.00	\$1.00	\$2,500.00	\$1.00	\$2,500.00	\$1.00	\$2,500.00
1008.251	ALTERATIONS AND ADDITIONS AS NEEDED - TEMPORARY PEDESTRIAN ACCOMMODATIONS	\$	3,000.00	\$1.00	\$3,000.00	\$1.00	\$3,000.00	\$1.00	\$3,000.00
1008.61	ALTERATIONS AND ADDITIONS AS NEEDED - MISC. LANDSCAPE TREATMENT	\$	4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00
1009.21	TREATMENT OR DISPOSAL OF CONTAMINATED GROUNDWATER (FRAC TANK)	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
Totals:				\$698,380.20	\$698,380.20	\$894,109.10	\$894,109.10	\$969,980.47	\$969,980.47
Alt. Totals:									
Totals:				\$698,380.20	\$698,380.20	\$894,109.10	\$894,109.10	\$969,980.47	\$969,980.47

PS&E Comparison

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
Items								
201.21	REMOVING SMALL TREES	EA	4.00	\$1,000.00	\$4,000.00	\$400.00	\$1,600.00	\$2,400.00
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	10.00	\$23.00	\$230.00	\$8.00	\$80.00	\$150.00
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	40.00	\$29.00	\$1,160.00	\$8.00	\$320.00	\$840.00
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	510.00	\$18.00	\$9,180.00	\$25.00	\$12,750.00	(\$3,570.00)
203.1	COMMON EXCAVATION	CY	85.00	\$11.00	\$935.00	\$20.00	\$1,700.00	(\$765.00)
203.383	LIVE LOADING CONTAMINATED SOILS (DEPARTMENT DISPOSAL)	CY	1,250.00	\$8.00	\$10,000.00	\$30.00	\$37,500.00	(\$27,500.00)
203.6	EMBANKMENT-IN-PLACE (F)	CY	10.00	\$50.00	\$500.00	\$30.00	\$300.00	\$200.00
206.1	COMMON STRUCTURE EXCAVATION	CY	167.00	\$14.00	\$2,338.00	\$20.00	\$3,340.00	(\$1,002.00)
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	10.00	\$60.00	\$600.00	\$50.00	\$500.00	\$100.00
206.2	ROCK STRUCTURE EXCAVATION	CY	54.00	\$90.00	\$4,860.00	\$85.00	\$4,590.00	\$270.00
209.1	GRANULAR BACKFILL	CY	1,250.00	\$28.00	\$35,000.00	\$30.00	\$37,500.00	(\$2,500.00)
209.201	GRANULAR BACKFILL (BRIDGE) (F)	CY	105.00	\$55.00	\$5,775.00	\$60.00	\$6,300.00	(\$525.00)
211.11	VIBRATION MONITORING SERVICES	HR	24.00	\$100.00	\$2,400.00	\$150.00	\$3,600.00	(\$1,200.00)
304.301	CRUSHED GRAVEL	CY	270.00	\$51.00	\$13,770.00	\$40.00	\$10,800.00	\$2,970.00

403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	470.00	\$184.00	\$86,480.00	\$130.00	\$61,100.00	\$25,380.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	180.00	\$9.00	\$1,620.00	\$9.00	\$1,620.00	\$0.00
411.3	PLANT MIX SURFACE TREATMENT (ASPHALT CEMENT), PAVER SHIM	TON	180.00	\$131.00	\$23,580.00	\$85.00	\$15,300.00	\$8,280.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	1,150.00	\$9.00	\$10,350.00	\$25.00	\$28,750.00	(\$18,400.00)
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.00	\$3,400.00	\$3,400.00	\$5,000.00	\$5,000.00	(\$1,600.00)
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$27,715.00	\$27,715.00	\$10,000.00	\$10,000.00	\$17,715.00
503.201	COFFERDAMS	U	1.00	\$87,438.00	\$87,438.00	\$30,000.00	\$30,000.00	\$57,438.00
508.	STRUCTURAL FILL	CY	21.00	\$75.00	\$1,575.00	\$65.00	\$1,365.00	\$210.00
520.12007	CONCRETE CLASS A, ABOVE FOOTINGS (PRECAST OPTION) (F)	CY	30.00	\$1,260.00	\$37,800.00	\$650.00	\$19,500.00	\$18,300.00
520.21307	CONCRETE CLASS B, FOOTINGS (ON SOIL) (PRECAST OPTION) (F)	CY	14.00	\$720.00	\$10,080.00	\$650.00	\$9,100.00	\$980.00
534.3	WATER REPELLENT (SILANE/SILOXANE)	GAL	4.00	\$65.00	\$260.00	\$90.00	\$360.00	(\$100.00)
538.2	BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F)	SY	3.00	\$300.00	\$900.00	\$50.00	\$150.00	\$750.00
544.	REINFORCING STEEL (F)	LB	5,654.00	\$1.40	\$7,915.60	\$1.30	\$7,350.20	\$565.40
585.2	STONE FILL, CLASS B	CY	2.00	\$300.00	\$600.00	\$40.00	\$80.00	\$520.00
585.3401	SIMULATED STREAMBED MATERIAL	CY	40.00	\$60.00	\$2,400.00	\$60.00	\$2,400.00	\$0.00
602.011	FILL MATERIAL FOR ANNULAR SPACE	CY	130.00	\$375.00	\$48,750.00	\$300.00	\$39,000.00	\$9,750.00
602.21054	POLYETHYLENE LINER FOR 54" PIPE	LF	35.00	\$900.00	\$31,500.00	\$700.00	\$24,500.00	\$7,000.00
602.24203	CORRUGATED METAL TUNNEL LINER	LF	145.00	\$950.00	\$137,750.00	\$800.00	\$116,000.00	\$21,750.00
603.0001	VIDEO INSPECTION	LF	550.00	\$1.25	\$687.50	\$2.00	\$1,100.00	(\$412.50)
603.80215	15" PLASTIC PIPE (SMOOTH INTERIOR)	LF	20.00	\$73.00	\$1,460.00	\$60.00	\$1,200.00	\$260.00
603.80218	18" PLASTIC PIPE (SMOOTH INTERIOR)	LF	300.00	\$74.00	\$22,200.00	\$70.00	\$21,000.00	\$1,200.00
603.80224	24" PLASTIC PIPE (SMOOTH INTERIOR)	LF	230.00	\$75.00	\$17,250.00	\$95.00	\$21,850.00	(\$4,600.00)

604.0007	POLYETHYLENE LINER	EA	7.00	\$300.00	\$2,100.00	\$150.00	\$1,050.00	\$1,050.00
604.124	CATCH BASINS TYPE B, 4-FOOT DIAMETER	U	1.00	\$4,230.00	\$4,230.00	\$2,500.00	\$2,500.00	\$1,730.00
604.224	DROP INLETS TYPE B, 4-FOOT DIAMETER	U	1.00	\$4,110.00	\$4,110.00	\$2,700.00	\$2,700.00	\$1,410.00
604.326	DRAINAGE MANHOLES, 6-FOOT DIAMETER	U	2.00	\$6,000.00	\$12,000.00	\$3,500.00	\$7,000.00	\$5,000.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	5.00	\$1,500.00	\$7,500.00	\$400.00	\$2,000.00	\$5,500.00
608.12	2" BITUMINOUS SIDEWALK (F)	SY	90.00	\$32.00	\$2,880.00	\$20.00	\$1,800.00	\$1,080.00
608.2401	4" CONCRETE SIDEWALK	SY	140.00	\$85.00	\$11,900.00	\$50.00	\$7,000.00	\$4,900.00
608.54	DETECTABLE WARNING DEVICES, CAST IRON	SY	3.50	\$300.00	\$1,050.00	\$450.00	\$1,575.00	(\$525.00)
609.01	STRAIGHT GRANITE CURB	LF	220.00	\$29.00	\$6,380.00	\$25.00	\$5,500.00	\$880.00
609.02	CURVED GRANITE CURB	LF	60.00	\$37.00	\$2,220.00	\$35.00	\$2,100.00	\$120.00
609.5	RESET GRANITE CURB	LF	180.00	\$13.00	\$2,340.00	\$30.00	\$5,400.00	(\$3,060.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$0.00
618.7	FLAGGERS	HR	200.00	\$34.00	\$6,800.00	\$26.00	\$5,200.00	\$1,600.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$9,000.00	\$9,000.00	\$15,000.00	\$15,000.00	(\$6,000.00)
628.2	SAWED BITUMINOUS PAVEMENT	LF	2,300.00	\$1.00	\$2,300.00	\$2.00	\$4,600.00	(\$2,300.00)
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	4,150.00	\$0.50	\$2,075.00	\$0.50	\$2,075.00	\$0.00
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	250.00	\$3.00	\$750.00	\$12.00	\$3,000.00	(\$2,250.00)
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	40.00	\$6.00	\$240.00	\$15.00	\$600.00	(\$360.00)
641.	LOAM	CY	45.00	\$50.00	\$2,250.00	\$50.00	\$2,250.00	\$0.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	550.00	\$6.00	\$3,300.00	\$5.00	\$2,750.00	\$550.00
645.531	SILT FENCE	LF	550.00	\$3.00	\$1,650.00	\$5.00	\$2,750.00	(\$1,100.00)
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	650.00	\$5.00	\$3,250.00	\$1.50	\$975.00	\$2,275.00
647.1	HUMUS	CY	25.00	\$37.00	\$925.00	\$50.00	\$1,250.00	(\$325.00)

692.	MOBILIZATION	U	1.00	\$115,900.00	\$115,900.00	\$46,700.00	\$46,700.00	\$69,200.00
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1.00	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$500.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$3,500.00	\$3,500.00	\$2,500.00	\$2,500.00	\$1,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	2,500.00	\$1.00	\$2,500.00	\$1.00	\$2,500.00	\$0.00
1008.251	ALTERATIONS AND ADDITIONS AS NEEDED - TEMPORARY PEDESTRIAN ACCOMMODATIONS	\$	3,000.00	\$1.00	\$3,000.00	\$1.00	\$3,000.00	\$0.00
1008.51	ALTERATIONS AND ADDITIONS AS NEEDED - MISC. LANDSCAPE TREATMENT	\$	4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00	\$0.00
1009.21	TREATMENT OR DISPOSAL OF CONTAMINATED GROUNDWATER (FRAC TANK)	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
Total:					\$894,109.10	\$698,380.20	\$195,728.90	



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/31/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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

PRODUCER Kinney Pike Insurance Inc. 1011 North Main Street, Suite 4 White River Junction, VT 05001	CONTACT NAME: PHONE (A/C, No, Ext): (802) 295-3329 FAX (A/C, No): (802) 295-7701	
	E-MAIL ADDRESS:	
INSURED JP Sicard, Inc. State of New Hampshire Department of Transportation PO Box 19 Barton, VT 05822	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Hanover Insurance Company NAIC # 22292	
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	

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

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR <input checked="" type="checkbox"/> OCP GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			BINDER	10/19/2018	10/19/2019	EACH OCCURRENCE	\$ 2,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$
							MED EXP (Any one person)	\$
							PERSONAL & ADV INJURY	\$
							GENERAL AGGREGATE	\$ 3,000,000
							PRODUCTS - COM/OP AGG	\$
								\$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident)	\$
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE	\$
							AGGREGATE	\$
								\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY 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)
RE: Culvert Replacement/Rehabilitation Project No. X-A004(296), 26763

CERTIFICATE HOLDER State of New Hampshire DOT 7 Hazen Drive Concord, NH	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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