



Victoria F. Sheehan  
Commissioner

THE STATE OF NEW HAMPSHIRE  
DEPARTMENT OF TRANSPORTATION



William Cass, P.E.  
Assistant Commissioner

35  
Beaube

Bureau of Construction  
October 11, 2017

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

**REQUESTED ACTION**

1. Authorize the Department of Transportation to enter into a contract with C.L.H. & Son, Inc. (Vendor 153124) of Auburn, ME on the basis of a low bid of \$1,783,089.00 for rehabilitation of bridge 055/091, located on US 302 in Crawford Notch, from the date of Governor and Council approval through October 5, 2018 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available in State Fiscal Year 2018 and 2019 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 2018</u>	<u>FY 2019</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments	\$1,383,089.00	\$400,000.00

2. Further authorize that a contingency in the amount of \$89,154.45 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 2018</u>	<u>FY 2019</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments		\$89,154.45

**EXPLANATION**

This project is part of the State's Ten Year Transportation Improvement Plan, under the Culvert Replacement/Rehabilitation and Drainage Repair Program (CRDR). This project involves rehabilitation of Bridge 055/091, located on US 302 in Crawford Notch. The bridge is a corrugated metal plate arch culvert carrying the headwaters of the Saco River under US 302. The inlet is just north of the Harts Location/Carroll Town Line at the head of the Notch. The length of the culvert is approximately 950' and is composed of five segments: a complex cast in place concrete inlet structure, an upper pipe segment 137" wide x 87" high x 325' long, a middle segment 103" wide x 71' high x 322' long, a lower pipe segment 103" wide x 71' high x 276' long, and a concrete energy dissipator at the outlet. Rock scaling along the east side of US 302 (directly across from the culvert location) is also included. Rock Cut #110R begins near the Town Line and extends about 900' south, with a maximum height of 100'. Rock scaling involves removal of vegetation from the rock face and to 10' back from the crest, removal of loose rock by hand methods, and installation of rock bolts to stabilize large blocks of rock.

The existing corrugated metal plate arch culvert was constructed in 1958 and modified in 1961. This culvert runs under the southbound travel lane of US 302 for about 825', with less than 3 feet of cover. The culvert is deteriorating, and temporary repairs were required in 2012, which resulted in the emergency closure of one lane of US 302 for about 2 weeks. Continued deterioration of the culvert will likely result in the need for additional emergency repairs and a more costly permanent solution in the future.

There is also a need for rock scaling along the east side of US 302 directly across from the culvert location. Rock Cut #110R was constructed in 1961 using production blasting methods resulting in significant blast-induced joint displacement and extensive fracturing in the rock mass. The distance from the base of the rock slope to the edge of US 302 varies from 2' - 8'.

The proposed contingency amount is 5% of the contract amount. This is to account for the risks associated with the unknown extent of the rock remediation, unanticipated culvert repairs, maintenance of traffic, and the potential cost of weather related delays.

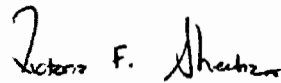
Although the bid costs exceeded the Department's estimate by 13%, the low bid is felt to be reasonable for the work involved. The most significant difference is found in the structural plate pipe item (\$224,100). All bids received on this item were in excess of the Department's estimate. Re-advertising 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: \$1,582,650.00

Contract Amount: \$1,783,089.00

Over Estimate: \$ 200,439.00

Attachments

August 1, 2017

## SUPPLEMENTAL PROJECT INFORMATION SHEET

**DESCRIPTION:** This project involves rehabilitation of Bridge 055/091, located on US 302 in Crawford Notch. The bridge is a corrugated metal plate arch culvert carrying the headwaters of the Saco River under US 302. The inlet is just north of the Harts Location/Carroll Town Line. The length of the culvert is approximately 950' and is composed of five segments: a complex cast in place concrete inlet structure, an upper pipe segment 137" wide x 87" high x 325' long, a middle segment 103" wide x 71' high x 322' long, a lower pipe segment 103" wide x 71' high x 276' long, and a concrete energy dissipator at the outlet. Rock scaling along the east side of US 302 (directly across from the culvert location) is also included. Rock Cut #110R begins near the Town Line and extends about 900' south, with a maximum height of 100'. Rock scaling involves removal of vegetation from the rock face and to 10' back from the crest, removal of loose rock by hand methods, and installation of rock bolts to stabilize large blocks of rock.

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

**CONTINGENCY:** The proposed contingency amount is 5% of the contract amount. This is to account for the risks associated with the unknown extent of the rock remediation, unanticipated culvert repairs, maintenance of traffic, and the potential cost of weather related delays.

**PROJECT INITIATED:** This project was initiated through the Culvert Replacement/Rehabilitation and Drainage Repair (CRDR) Program.

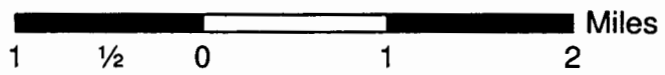
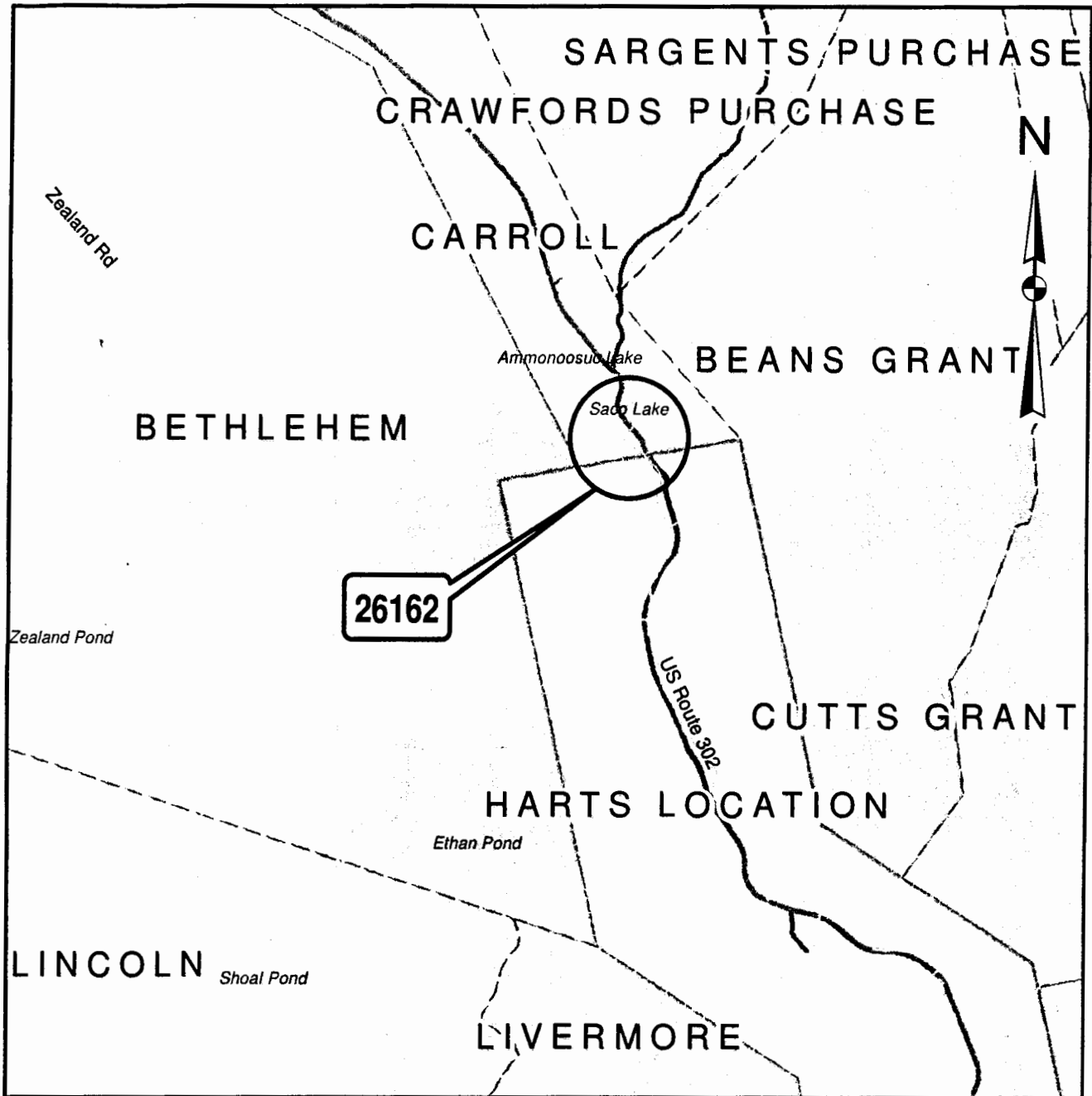
**PROJECT EXPLANATION:** The existing corrugated metal plate arch culvert was constructed in 1958 and modified in 1961. This culvert runs under the southbound travel lane of US 302 for about 825', with less than 3 feet of cover. The culvert is deteriorating, and temporary repairs were required in 2012, which resulted in the emergency closure of one lane of US 302 for about 2 weeks. Continued deterioration of the culvert will likely result in the need for additional emergency repairs and a more costly permanent solution in the future.

There is also a need for rock scaling along the east side of US 302 directly across from the culvert location. Rock Cut #110R was constructed in 1961 using production blasting methods resulting in significant blast-induced joint displacement and extensive fracturing in the rock mass. The distance from the base of the rock slope to the edge of US 302 varies from 2' – 8'.

**TRAFFIC IMPLICATION:** Culvert rehabilitation will take about 3 months in the summer of 2018, and will involve occasional lane and shoulder closures for delivery of materials and equipment. Rock scaling will require closure of the northbound side of US 302, with concrete barrier and temporary signals, for about 1 month in the spring of 2018.

**FINAL COMPLETION DATE:** October 5, 2018

**HARTS LOCATION / CARROLL - U.S. ROUTE 302**



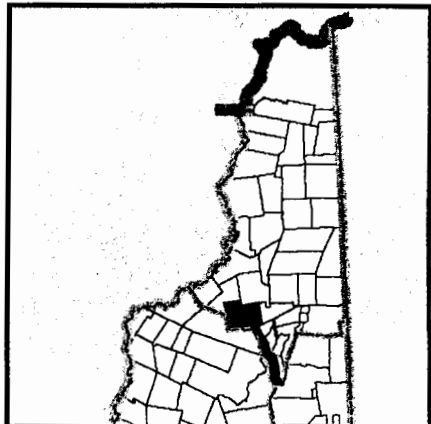
**LEGEND**

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

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

State #: 26162  
 Federal #: X-A003(275)

**LOCATION MAP**





# ABC Bid Data

HARTS LOCATION-CARROLL  
26162  
X-A003(275)

PROJECT: HARTS LOCATION-CARROLL  
 STATE PROJECT NUMBER: 26162  
 FED. PROJECT NUMBER: X-A003(275)  
 DATE BIDS OPEN: September 14, 2017,  
 SCOPE OF WORK: Rehabilitate a 925 ft variable cross section metal culvert  
 COMPLETION DATE: October 05, 2018  
 LOCATION: Carroll, Coos

Awarded To: C.L.H. & SON INC  
 2841 TURNER ROAD  
 AUBURN, ME 04210

Amount: \$1,783,089.00  
 Award Date:  
 Certified by: PETER.E.STAMINAS  
Director of Project Development

## Summary of Bidders

Contractor	Bid Amount	Rank
C.L.H. & SON INC 2841 TURNER ROAD, AUBURN ME 04210	\$1,783,089.00	A
BUCK, T. CONSTRUCTION, INC. 302B AUBURN ROAD, TURNER ME 04282	\$1,814,000.00	B
SICARD INC, J P 234 GLOVER ROAD, BARTON VT 05822	\$1,869,895.00	C
BUSBY CONSTRUCTION CO., INC. 71 ROUTE 111, ATKINSON NH 03811	\$1,996,700.00	D

Item No.	Description	Unit	Quantity	PS&E		C.L.H. & SON INC 2841 TURNER ROAD AUBURN, ME 04210		BUCK, T. CONSTRUCTION, INC. 3028 AUBURN ROAD TURNER, ME 04282	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
203.91	ROCK SCALING - HAND METHOD	HR	320.00	\$575.00	\$184,000.00	\$193.80	\$62,016.00	\$135.00	\$43,200.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	10.00	\$100.00	\$1,000.00	\$25.00	\$250.00	\$100.00	\$1,000.00
225.2	PRESTRESSED ROCK BOLTS	LF	180.00	\$160.00	\$28,800.00	\$202.00	\$36,360.00	\$140.00	\$25,200.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$50,000.00	\$50,000.00	\$88,199.00	\$88,199.00	\$125,000.00	\$125,000.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	1.00	\$500.00	\$500.00	\$400.00	\$400.00	\$3,000.00	\$3,000.00
520.01	CONCRETE CLASS AA	CY	1.00	\$1,000.00	\$1,000.00	\$400.00	\$400.00	\$4,500.00	\$4,500.00
520.1	CONCRETE CLASS A	CY	5.00	\$1,000.00	\$5,000.00	\$750.00	\$3,750.00	\$2,500.00	\$12,500.00
568.	STRUCTURAL TIMBER (F)	MBM	1.90	\$2,500.00	\$4,750.00	\$4,434.00	\$8,424.60	\$8,200.00	\$15,580.00
571.1	REPAIRING AND POINTING STONE MASONRY	SY	7.00	\$300.00	\$2,100.00	\$340.00	\$2,380.00	\$1,000.00	\$7,000.00
602.011	FILL MATERIAL FOR ANNULAR SPACE	CY	310.00	\$300.00	\$93,000.00	\$275.00	\$85,250.00	\$200.00	\$62,000.00
602.24201	METAL STRUCTURAL PLATE LINER FOR ARCH PIPE	LF	600.00	\$500.00	\$300,000.00	\$873.50	\$524,100.00	\$855.00	\$513,000.00
602.73101	GEOPOLYMER REINFORCED MORTAR SPRAY-ON LINER FOR ARCH PIPE	LF	325.00	\$1,600.00	\$520,000.00	\$1,439.76	\$467,922.00	\$1,550.00	\$503,750.00
602.73201	GEOPOLYMER NON-STRUCTURAL MORTAR SPRAY-ON LINER FOR ARCH PIPE	LF	20.00	\$2,000.00	\$40,000.00	\$1,272.42	\$25,448.40	\$1,500.00	\$30,000.00
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	1,200.00	\$25.00	\$30,000.00	\$42.00	\$50,400.00	\$59.00	\$70,800.00
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	2.00	\$3,000.00	\$6,000.00	\$1,893.00	\$3,786.00	\$5,000.00	\$10,000.00
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$25,000.00	\$25,000.00	\$13,500.00	\$13,500.00	\$50,000.00	\$50,000.00
618.81	UNIFORMED OFFICERS WITH VEHICLE	\$	12,000.00	\$1.00	\$12,000.00	\$1.00	\$12,000.00	\$1.00	\$12,000.00
618.7	FLAGGERS	HR	800.00	\$25.00	\$20,000.00	\$29.50	\$23,600.00	\$26.00	\$20,800.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$75,000.00	\$75,000.00	\$99,116.00	\$99,116.00	\$35,000.00	\$35,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$2,500.00	\$5,000.00	\$1,800.00	\$3,600.00	\$6,500.00	\$13,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$2,500.00	\$5,000.00	\$1,250.00	\$2,500.00	\$4,000.00	\$8,000.00
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	500.00	\$1.50	\$750.00	\$2.50	\$1,250.00	\$4.00	\$2,000.00
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	30.00	\$10.00	\$300.00	\$6.40	\$192.00	\$15.00	\$450.00
632.1306	BLACKOUT PAVEMENT MARKING TAPE, TYPE I (REMOVABLE) 6" LINE	LF	1,190.00	\$3.00	\$3,450.00	\$3.75	\$4,312.50	\$7.00	\$8,050.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	450.00	\$7.00	\$3,150.00	\$4.15	\$1,867.50	\$4.00	\$1,800.00
645.531	SILT FENCE	LF	450.00	\$3.00	\$1,350.00	\$1.70	\$765.00	\$4.00	\$1,800.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$3,500.00	\$3,500.00	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	220.00	\$75.00	\$16,500.00	\$150.00	\$33,000.00	\$65.00	\$14,300.00
670.104	TEMPORARY PORTABLE LIGHTING	U	2.00	\$3,500.00	\$7,000.00	\$1,800.00	\$3,600.00	\$2,500.00	\$5,000.00
692.	MOBILIZATION	U	1.00	\$100,000.00	\$100,000.00	\$169,200.00	\$169,200.00	\$179,070.00	\$179,070.00
698.13	FIELD OFFICE TYPE C	MON	6.00	\$2,000.00	\$12,000.00	\$4,000.00	\$24,000.00	\$1,200.00	\$7,200.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	6,500.00	\$1.00	\$6,500.00	\$1.00	\$6,500.00	\$1.00	\$6,500.00
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00
Totals:					\$1,562,650.00	\$1,783,089.00	\$1,814,000.00		\$1,814,000.00

Item No.	Description	Unit	Quantity	PS&E		SICARD INC. LP 234 GLOVER ROAD BARTON, VT 05822		BUSBY CONSTRUCTION CO., INC. 71 ROUTE 141 ATKINSON, NH 03811	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

**Items**

203.91	ROCK SCALING - HAND METHOD	HR	320.00	\$575.00	\$184,000.00	\$175.00	\$56,000.00	\$165.00	\$52,800.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	10.00	\$100.00	\$1,000.00	\$55.00	\$550.00	\$100.00	\$1,000.00
225.2	PRESTRESSED ROCK BOLTS	LF	180.00	\$160.00	\$28,800.00	\$147.00	\$26,460.00	\$145.00	\$26,100.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$50,000.00	\$50,000.00	\$20,000.00	\$20,000.00	\$75,000.00	\$75,000.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	1.00	\$500.00	\$500.00	\$1,300.00	\$1,300.00	\$2,000.00	\$2,000.00
520.01	CONCRETE CLASS AA	CY	1.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$2,000.00	\$2,000.00
520.1	CONCRETE CLASS A	CY	5.00	\$1,000.00	\$5,000.00	\$800.00	\$4,000.00	\$2,000.00	\$10,000.00
548.	STRUCTURAL TIMBER (F)	MBM	1.90	\$2,500.00	\$4,750.00	\$7,950.00	\$15,105.00	\$10,000.00	\$19,000.00
571.1	REPAIRING AND POINTING STONE MASONRY	SY	7.00	\$300.00	\$2,100.00	\$800.00	\$5,600.00	\$600.00	\$4,200.00
602.011	FILL MATERIAL FOR ANNULAR SPACE	CY	310.00	\$300.00	\$93,000.00	\$405.00	\$125,550.00	\$600.00	\$186,000.00
602.24201	METAL STRUCTURAL PLATE LINER FOR ARCH PIPE	LF	600.00	\$500.00	\$300,000.00	\$935.00	\$561,000.00	\$750.00	\$450,000.00
602.73101	GEOPLYMER REINFORCED MORTAR SPRAY-ON LINER FOR ARCH PIPE	LF	325.00	\$1,600.00	\$520,000.00	\$700.00	\$227,500.00	\$1,260.00	\$409,500.00
602.73201	GEOPLYMER NON-STRUCTURAL MORTAR SPRAY-ON LINER FOR ARCH PIPE	LF	20.00	\$2,000.00	\$40,000.00	\$700.00	\$14,000.00	\$1,260.00	\$25,200.00
806.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	1,200.00	\$25.00	\$30,000.00	\$31.00	\$37,200.00	\$55.00	\$66,000.00
806.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	2.00	\$3,000.00	\$6,000.00	\$4,300.00	\$8,600.00	\$5,000.00	\$10,000.00
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$25,000.00	\$25,000.00	\$13,000.00	\$13,000.00	\$20,000.00	\$20,000.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	12,000.00	\$1.00	\$12,000.00	\$1.00	\$12,000.00	\$1.00	\$12,000.00
618.7	FLAGGERS	HR	800.00	\$25.00	\$20,000.00	\$33.00	\$26,400.00	\$35.00	\$28,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$75,000.00	\$75,000.00	\$55,000.00	\$55,000.00	\$75,000.00	\$75,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$2,500.00	\$5,000.00	\$5,200.00	\$10,400.00	\$6,000.00	\$12,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$2,500.00	\$5,000.00	\$6,200.00	\$12,400.00	\$6,000.00	\$12,000.00
632.1104	PERFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	500.00	\$1.50	\$750.00	\$2.00	\$1,000.00	\$10.00	\$5,000.00
632.1118	PERFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	30.00	\$10.00	\$300.00	\$12.00	\$360.00	\$20.00	\$600.00
632.1306	BLACKOUT PAVEMENT MARKING TAPE, TYPE I (REMOVABLE), 6" LINE	LF	1,150.00	\$3.00	\$3,450.00	\$2.00	\$2,300.00	\$15.00	\$17,250.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	450.00	\$7.00	\$3,150.00	\$5.00	\$2,250.00	\$8.00	\$3,600.00
645.531	SILT FENCE	LF	450.00	\$3.00	\$1,350.00	\$2.00	\$900.00	\$5.00	\$2,250.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$3,500.00	\$3,500.00	\$3,000.00	\$3,000.00	\$6,000.00	\$6,000.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	220.00	\$75.00	\$16,500.00	\$130.00	\$28,600.00	\$135.00	\$29,700.00
670.104	TEMPORARY PORTABLE LIGHTING	U	2.00	\$3,500.00	\$7,000.00	\$2,000.00	\$4,000.00	\$6,000.00	\$12,000.00
682.	MOBILIZATION	U	1.00	\$100,000.00	\$100,000.00	\$377,000.00	\$377,000.00	\$375,000.00	\$375,000.00
698.13	FIELD OFFICE TYPE C	MON	6.00	\$2,000.00	\$12,000.00	\$1,820.00	\$10,920.00	\$3,500.00	\$21,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	6,500.00	\$1.00	\$6,500.00	\$1.00	\$6,500.00	\$1.00	\$6,500.00
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00
<b>Totals:</b>					<b>\$1,582,650.00</b>		<b>\$1,869,895.00</b>		<b>\$1,996,700.00</b>

<b>Totals:</b>					<b>\$1,582,650.00</b>		<b>\$1,869,895.00</b>		<b>\$1,996,700.00</b>
----------------	--	--	--	--	-----------------------	--	-----------------------	--	-----------------------

# PS&E Comparison

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
203.91	ROCK SCALING - HAND METHOD	HR	320.00	\$193.80	\$62,016.00	\$575.00	\$184,000.00	(\$121,984.00)
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	10.00	\$25.00	\$250.00	\$100.00	\$1,000.00	(\$750.00)
225.2	PRESTRESSED ROCK BOLTS	LF	180.00	\$202.00	\$36,360.00	\$160.00	\$28,800.00	\$7,560.00
503.101	WATER DIVERSION STRUCTURE	U	1.00	\$88,199.00	\$88,199.00	\$50,000.00	\$50,000.00	\$38,199.00
512.02	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	1.00	\$400.00	\$400.00	\$500.00	\$500.00	(\$100.00)
520.01	CONCRETE CLASS AA	CY	1.00	\$400.00	\$400.00	\$1,000.00	\$1,000.00	(\$600.00)
520.1	CONCRETE CLASS A	CY	5.00	\$750.00	\$3,750.00	\$1,000.00	\$5,000.00	(\$1,250.00)
568.	STRUCTURAL TIMBER (F)	MBM	1.90	\$4,434.00	\$8,424.60	\$2,500.00	\$4,750.00	\$3,674.60
571.1	REPAIRING AND POINTING STONE MASONRY	SY	7.00	\$340.00	\$2,380.00	\$300.00	\$2,100.00	\$280.00
602.011	FILL MATERIAL FOR ANNULAR SPACE	CY	310.00	\$275.00	\$85,250.00	\$300.00	\$93,000.00	(\$7,750.00)
602.24201	METAL STRUCTURAL PLATE LINER FOR ARCH PIPE	LF	600.00	\$873.50	\$524,100.00	\$500.00	\$300,000.00	\$224,100.00
602.73101	GEOPLYMER REINFORCED MORTAR SPRAY-ON LINER FOR ARCH PIPE	LF	325.00	\$1,439.76	\$467,922.00	\$1,600.00	\$520,000.00	(\$52,078.00)
602.73201	GEOPLYMER NON-STRUCTURAL MORTAR SPRAY-ON LINER FOR ARCH PIPE	LF	20.00	\$1,272.42	\$25,448.40	\$2,000.00	\$40,000.00	(\$14,551.60)
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	1,200.00	\$42.00	\$50,400.00	\$25.00	\$30,000.00	\$20,400.00

**Items**



606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	2.00	\$1,893.00	\$3,786.00	\$3,000.00	\$6,000.00	(\$2,214.00)
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	U	1.00	\$13,500.00	\$13,500.00	\$25,000.00	\$25,000.00	(\$11,500.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	12,000.00	\$1.00	\$12,000.00	\$1.00	\$12,000.00	\$0.00
618.7	FLAGGERS	HR	800.00	\$29.50	\$23,600.00	\$25.00	\$20,000.00	\$3,600.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$99,116.00	\$99,116.00	\$75,000.00	\$75,000.00	\$24,116.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$1,800.00	\$3,600.00	\$2,500.00	\$5,000.00	(\$1,400.00)
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$1,250.00	\$2,500.00	\$2,500.00	\$5,000.00	(\$2,500.00)
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE (REMOVABLE) 4" LINE	LF	500.00	\$2.50	\$1,250.00	\$1.50	\$750.00	\$500.00
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE (REMOVABLE) 18" LINE	LF	30.00	\$6.40	\$192.00	\$10.00	\$300.00	(\$108.00)
632.1306	BLACKOUT PAVEMENT MARKING TAPE, TYPE (REMOVABLE), 6" LINE	LF	1,150.00	\$3.75	\$4,312.50	\$3.00	\$3,450.00	\$862.50
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	450.00	\$4.15	\$1,867.50	\$7.00	\$3,150.00	(\$1,282.50)
645.531	SILT FENCE	LF	450.00	\$1.70	\$765.00	\$3.00	\$1,350.00	(\$585.00)
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.00	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00	\$1,500.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	220.00	\$150.00	\$33,000.00	\$75.00	\$16,500.00	\$16,500.00
670.104	TEMPORARY PORTABLE LIGHTING	U	2.00	\$1,800.00	\$3,600.00	\$3,500.00	\$7,000.00	(\$3,400.00)
692.	MOBILIZATION	U	1.00	\$169,200.00	\$169,200.00	\$100,000.00	\$100,000.00	\$69,200.00
698.13	FIELD OFFICE TYPE C	MON	6.00	\$4,000.00	\$24,000.00	\$2,000.00	\$12,000.00	\$12,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	6,500.00	\$1.00	\$6,500.00	\$1.00	\$6,500.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$0.00

**Total:** \$1,783,089.00

\$1,582,650.00

\$200,439.00



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/12/2017

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> Cross Insurance-Lewiston 150 Mill Street, Suite 4 Lewiston ME 04240	<b>CONTACT NAME:</b> Tina Ainsworth <b>PHONE (A/C, No, Ext):</b> (207) 330-2551 <b>E-MAIL ADDRESS:</b> tlainsworth@crossagency.com	<b>FAX (A/C, No):</b> (207) 783-3852
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> CLH & Son, Inc. 2841 Turner Road Auburn ME 04210	<b>INSURER A:</b> Massachusetts Bay Insurance Co.	<b>NAIC #</b> 22306
	<b>INSURER B:</b> Hanover Insurance Company	<b>NAIC #</b> 22292
	<b>INSURER C:</b> MEMIC Indemnity Company	<b>NAIC #</b> 11030
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	
	<b>INSURER F:</b>	

**COVERAGES** **CERTIFICATE NUMBER:** CL1721600933 **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	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <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 type="checkbox"/> LOC OTHER:			ZDP3568647	1/3/2017	1/3/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/OP AGG \$ 2,000,000 \$
B	<input checked="" type="checkbox"/> <b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> Comp - \$250 <input checked="" type="checkbox"/> Coll - \$500			AHP3312227	1/3/2017	1/3/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Uninsured motorist combined \$ 1,000,000
B	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			UHP4805691	1/3/2017	1/3/2018	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
C	<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	5101800535	1/3/2017	1/3/2018	<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

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

RE: Harts Location - Carroll X-A-003 (275), 26162

**CERTIFICATE HOLDER****CANCELLATION**

NH Department of Transportation  
 Office of Federal Compliance  
 7 Hazen Drive  
 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

Tina L. Ainsworth/CN1

*Tina L. Ainsworth*

© 1988-2014 ACORD CORPORATION. All rights reserved.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
11/8/2017

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> Cross Insurance-Lewiston 150 Mill Street, Suite 4  Lewiston ME 04240	<b>CONTACT NAME:</b> Tina L. Ainsworth <b>PHONE (A/C, No, Ext):</b> (207) 783-2211 <b>E-MAIL ADDRESS:</b> tainsworth@crossagency.com	<b>FAX (A/C, No):</b> (207) 783-3852
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> State of New Hampshire Department of Transportation 7 Hazen Drive Concord NH 03302	<b>INSURER A:</b> Hanover Ins Co. NAIC # 22292 <b>INSURER B:</b> <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>	

COVERAGES CERTIFICATE NUMBER: CL1711829713 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	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Owners Protective Liability GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:			Binder	11/9/2017	11/9/2018	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 ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS Comp-\$250 <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS Coll-\$500						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Uninsured motorist combined \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB DED RETENTION \$						<input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE \$ \$
	<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)  
RE: Harts Location - Carroll X-A-003(275), 26162

<b>CERTIFICATE HOLDER</b>  CLH & Son Inc. 2841 Turner Road Auburn, ME 04210	<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>  Tina L. Ainsworth/CN1 <i>Tina L. Ainsworth</i>
---	---