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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 22, 2021

**REQUESTED ACTION**

1. Authorize the Department of Transportation to enter into a contract with C.W. Sliter & Sons, LLC d/b/a CWS Fence & Guardrail Co. (Vendor 155763) of Andover, NH, on the basis of a low bid of \$1,059,057.84 for guardrail replacement in District 1 from the date of Governor and Council approval through September 23, 2022, unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available in State Fiscal Years 2022 and 2023, 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 2022</u>	<u>FY 2023</u>
04-96-96-963515-3054		
Consolidated Federal Aid		
400-500870 Highway Contract Payments	\$799,107.30	\$259,950.54

2. Further authorize that a contingency in the amount of \$52,952.89 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 2023</u>
04-96-96-963515-3054	
Consolidated Federal Aid	
400-500870 Highway Contract Payments	\$52,952.89

**EXPLANATION**

This project is part of the State's Ten Year Transportation Improvement Plan under the Highway Safety Improvement Program (HSIP). This project involves the replacement of 10,000 feet of deficient cable and w-beam guardrail associated with terminal upgrades, including "F" terminal units and blunt ends on bridge approaches, with the construction of approximately 13,500 feet of new beam guardrail including end terminals. This work is located in District 1 on US Route 2 (Tier 2) in Shelburne, NH Route 110 (Tier 3) in Berlin and Milan, NH Route 16 (Tier 2) in Milan, Dummer, Errol, and Wentworth's Location, and NH Route 26 (Tier 2) in Errol.

The existing cable guardrail, "F" terminal units, and blunt ends along these Tier 2 and Tier 3 roadways do not meet the current AASHTO or NHDOT safety standards. The purpose of this project is to replace the

existing sub-standard rail and end units with new beam guardrail and end units that meet the current standards.

The proposed contingency amount is 5% of the contract amount. This is to account for unanticipated traffic control needs and any guardrail adjustments that may need to be made in the field.

Although the bid costs exceeded the Department's estimate by 6.61% the low bid of 3 bids received is felt to be reasonable for the work involved. Two items of significance accounted for 100% of the overage (beam guardrail & mobilization). 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.

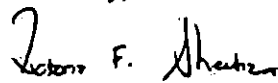
The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General as to form and execution, and the Department has certified that the necessary funds are available and the bid reasonably conforms to the engineer's estimate in accordance with State procedure. 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: 90% Federal (Highway Safety Improvement Program (HSIP)), with anticipated utilization of Turnpike Toll Credits for the State's 10% 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:	\$ 993,431.25
Contract Amount:	<u>\$1,059,057.84</u>
Over Estimate:	\$ 65,626.59

Attachments



# ABC Bid Data

DISTRICT 1 E GUARDRAIL

43130

X-A005(045)

<b>PROJECT:</b>	DISTRICT 1 E GUARDRAIL	<b>Awarded To:</b>	CWS FENCE & GUARDRAIL CO	<b>Certified by:</b>	<u>PETER E. STAMNAS</u> <small>Director of Project Development</small>
<b>STATE PROJECT NUMBER:</b>	43130		261 FRANKLIN ROAD		
<b>FED. PROJECT NUMBER:</b>	X-A005(045)		ANDOVER, NH 03216-3810		
<b>DATE BIDS OPEN:</b>	November 18, 2021,	<b>Amount:</b>	\$1,059,057.84		
<b>SCOPE OF WORK:</b>	Replacement of cable guardrail, F-unit and blunt end terminals on Tier 2 & 3 roadways in District 1	<b>Award Date:</b>			
<b>COMPLETION DATE:</b>	September 23, 2022				
<b>LOCATION:</b>	Coos, District 1				

## Summary of Bidders

Contractor	Bid Amount	Rank
CWS FENCE & GUARDRAIL CO 261 FRANKLIN ROAD ANDOVER NH 03216-3810	\$1,059,057.84	A
VERMONT RECREATIONAL SURFACING & FENCING INC PO BOX 147, BARNET VT 05821	\$1,236,442.50	B
PREMIER FENCE LLC 1010 TURNPIKE STREET, CANTON MA 02021	\$1,299,348.05	C

Item No.	Description	Unit	Quantity	PS&E		CWS FENCE & GUARDRAIL CO 281 FRANKLIN ROAD ANDOVER, NH 03218-2810		VERMONT RECREATIONAL SURFACING & FENCING INC PO BOX 147 BARNET, VT 06821	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

202.7	REMOVAL OF GUARDRAIL	LF	9,500.00	\$2.50	\$23,750.00	\$3.00	\$28,500.00	\$2.50	\$23,750.00
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	50.00	\$35.00	\$1,750.00	\$50.00	\$2,500.00	\$1,890.00	\$94,500.00
203.5561	EAGRT PLATFORM PREFERRED	U	38.00	\$1,800.00	\$68,400.00	\$1,800.00	\$68,400.00	\$1,890.00	\$71,820.00
203.5562	EAGRT PLATFORM ALTERNATE	U	9.00	\$1,700.00	\$15,300.00	\$1,800.00	\$16,200.00	\$1,890.00	\$17,010.00
203.5571	EAGRT PLATFORM PREFERRED, TL 2 - 25'	U	2.00	\$1,500.00	\$3,000.00	\$1,800.00	\$3,600.00	\$1,890.00	\$3,780.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	50.00	\$75.00	\$3,750.00	\$10.00	\$500.00	\$10.50	\$525.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	1,900.00	\$29.00	\$55,100.00	\$25.00	\$47,500.00	\$36.75	\$69,825.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	5.00	\$400.00	\$2,000.00	\$1,000.00	\$5,000.00	\$1,050.00	\$5,250.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	5.00	\$100.00	\$500.00	\$50.00	\$250.00	\$52.50	\$262.50
563.307	BRIDGE RAIL T101 (RETROFIT)	LF	60.00	\$200.00	\$10,000.00	\$237.00	\$11,850.00	\$285.00	\$14,250.00
606.012	W6X9 STEEL POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS	EA	15.00	\$125.00	\$1,875.00	\$90.00	\$1,350.00	\$110.00	\$1,650.00
606.0122	W6X9 STEEL POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS	EA	15.00	\$20.00	\$300.00	\$15.00	\$225.00	\$30.00	\$450.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	46.00	\$3,750.00	\$172,500.00	\$4,050.00	\$186,300.00	\$4,400.00	\$202,400.00
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	1.00	\$3,700.00	\$3,700.00	\$4,050.00	\$4,050.00	\$4,400.00	\$4,400.00
606.12551	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2 - 25') (STEEL POST)	U	2.00	\$3,100.00	\$6,200.00	\$3,450.00	\$6,900.00	\$3,800.00	\$7,600.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	1.00	\$1,100.00	\$1,100.00	\$1,250.00	\$1,250.00	\$1,100.00	\$1,100.00
606.1285	BEAM GUARDRAIL (BRIDGE APPROACH UNIT)	U	8.00	\$4,600.00	\$27,600.00	\$5,750.00	\$34,500.00	\$5,900.00	\$35,400.00
606.141	BEAM GUARDRAIL (CURVED WCRT POSTS)	LF	250.00	\$33.00	\$8,250.00	\$40.00	\$10,000.00	\$40.00	\$10,000.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	9,500.00	\$28.00	\$266,000.00	\$31.50	\$299,250.00	\$34.50	\$327,750.00
606.182	31" W-BEAM GUARDRAIL LONG SPAN (18'-8") (STEEL POST)	U	2.00	\$5,300.00	\$10,600.00	\$4,875.00	\$9,750.00	\$5,900.00	\$11,800.00
606.183	31" W-BEAM GUARDRAIL LONG SPAN (25') (STEEL POST)	U	1.00	\$5,500.00	\$5,500.00	\$5,375.00	\$5,375.00	\$6,900.00	\$6,900.00
606.84	ANCHOR FOR CURVED GUARDRAIL WCRT POSTS	U	4.00	\$2,000.00	\$8,000.00	\$2,250.00	\$9,000.00	\$1,975.00	\$7,900.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	110.00	\$20.00	\$2,200.00	\$15.00	\$1,650.00	\$15.75	\$1,732.50

# ABC Bid Data

DISTRICT 1 E GUARDRAIL

43130

X-A005(045)

Item No.	Description	Unit	Quantity	PS&E		CWS FENCE & GUARDRAIL CO 381 FRANKLIN ROAD ANDOVER, NH 03218-3810		VERMONT RECREATIONAL SURFACING & FENCING INC PO BOX 147 BARNET, VT 05821	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	8,000.00	\$1.00	\$8,000.00	\$1.00	\$8,000.00	\$1.00	\$8,000.00
618.7	FLAGGERS	HR	1,200.00	\$35.00	\$42,000.00	\$41.25	\$49,500.00	\$43.00	\$51,600.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$48,422.50	\$48,422.50	\$21,000.00	\$21,000.00	\$29,950.00	\$29,950.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$2,500.00	\$5,000.00	\$3,000.00	\$6,000.00	\$3,675.00	\$7,350.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$3,000.00	\$6,000.00	\$1,000.00	\$2,000.00	\$2,362.50	\$4,725.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	125.00	\$5.25	\$656.25	\$6.00	\$750.00	\$6.00	\$750.00
621.31	SINGLE DELINEATOR WITH POST	EA	30.00	\$53.00	\$1,590.00	\$50.00	\$1,500.00	\$50.00	\$1,500.00
621.32	DOUBLE DELINEATOR WITH POST	EA	30.00	\$60.00	\$1,800.00	\$55.00	\$1,650.00	\$56.00	\$1,680.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	125.00	\$8.00	\$1,000.00	\$5.00	\$625.00	\$5.25	\$656.25
645.44	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	SY	7,800.00	\$3.00	\$23,400.00	\$3.00	\$23,400.00	\$3.15	\$24,570.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	4,000.00	\$4.50	\$18,000.00	\$5.00	\$20,000.00	\$5.25	\$21,000.00
645.531	SILT FENCE	LF	4,000.00	\$3.50	\$14,000.00	\$1.75	\$7,000.00	\$3.15	\$12,600.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	9,000.00	\$1.50	\$13,500.00	\$1.15	\$10,350.00	\$1.05	\$9,450.00
647.1	HUMUS	CY	875.00	\$22.50	\$19,687.50	\$25.00	\$21,875.00	\$36.75	\$32,156.25
692.	MOBILIZATION	U	1.00	\$60,000.00	\$60,000.00	\$98,507.84	\$98,507.84	\$77,400.00	\$77,400.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	3,000.00	\$1.00	\$3,000.00	\$1.00	\$3,000.00	\$1.00	\$3,000.00
1008.141	ALTERATIONS AND ADDITIONS AS NEEDED - GUARDRAIL MODIFICATIONS	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
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>\$993,431.25</b>		<b>\$1,059,057.84</b>		<b>\$1,238,442.50</b>
<b>Alt. Totals:</b>									
<b>Totals:</b>					<b>\$993,431.25</b>		<b>\$1,059,057.84</b>		<b>\$1,238,442.50</b>

Item No.	Description	Unit	Quantity	PS&E		PREMIER FENCE LLC 1010 TURNPIKE STREET CANTON, MA 02021		Unit Price	Total
				Unit Price	Total	Unit Price	Total		

Items

202.7	REMOVAL OF GUARDRAIL	LF	9,500.00	\$2.50	\$23,750.00	\$4.45	\$42,275.00		
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	50.00	\$35.00	\$1,750.00	\$45.00	\$2,250.00		
203.5561	EAGRT PLATFORM PREFERRED	U	38.00	\$1,800.00	\$68,400.00	\$1,659.50	\$63,061.00		
203.5562	EAGRT PLATFORM ALTERNATE	U	8.00	\$1,700.00	\$15,300.00	\$1,899.50	\$17,095.50		
203.5571	EAGRT PLATFORM PREFERRED, TL 2 - 25'	U	2.00	\$1,500.00	\$3,000.00	\$1,899.50	\$3,799.00		
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	50.00	\$75.00	\$3,750.00	\$150.00	\$7,500.00		
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	1,900.00	\$29.00	\$55,100.00	\$55.00	\$104,500.00		
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	5.00	\$400.00	\$2,000.00	\$360.25	\$1,801.25		
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	5.00	\$100.00	\$500.00	\$140.00	\$700.00		
563.307	BRIDGE RAIL T101 (RETROFIT)	LF	50.00	\$200.00	\$10,000.00	\$225.45	\$11,272.50		
606.012	W6X9 STEEL POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS	EA	15.00	\$125.00	\$1,875.00	\$104.90	\$1,573.50		
606.0122	W6X9 STEEL POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS	EA	15.00	\$20.00	\$300.00	\$23.70	\$355.50		
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	48.00	\$3,750.00	\$172,500.00	\$5,191.55	\$238,811.30		
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	1.00	\$3,700.00	\$3,700.00	\$4,945.40	\$4,945.40		
606.12551	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2 - 25') (STEEL POST)	U	2.00	\$3,100.00	\$6,200.00	\$4,840.95	\$9,681.90		
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	1.00	\$1,100.00	\$1,100.00	\$1,314.15	\$1,314.15		
606.1285	BEAM GUARDRAIL (BRIDGE APPROACH UNIT)	U	6.00	\$4,600.00	\$27,600.00	\$3,910.45	\$23,462.70		
606.141	BEAM GUARDRAIL (CURVED W/CRT POSTS)	LF	250.00	\$33.00	\$8,250.00	\$38.55	\$9,637.50		
606.16001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	9,500.00	\$28.00	\$266,000.00	\$34.80	\$330,600.00		
606.182	31" W-BEAM GUARDRAIL LONG SPAN (18'-0") (STEEL POST)	U	2.00	\$5,300.00	\$10,600.00	\$4,810.00	\$9,620.00		
606.183	31" W-BEAM GUARDRAIL LONG SPAN (25') (STEEL POST)	U	1.00	\$5,500.00	\$5,500.00	\$5,895.50	\$5,895.50		
606.84	ANCHOR FOR CURVED GUARDRAIL W/CRT POSTS	U	4.00	\$2,000.00	\$8,000.00	\$3,024.35	\$12,097.40		
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	110.00	\$20.00	\$2,200.00	\$43.40	\$4,774.00		

# ABC Bid Data

DISTRICT 1 E GUARDRAIL

43130

X-A005(045)

Item No.	Description	Unit	Quantity	PS&E		PREMIER FENCE LLC 1010 TURNPIKE STREET CANTON, MA 02021		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	8,000.00	\$1.00	\$8,000.00	\$1.00	\$8,000.00		
618.7	FLAGGERS	HR	1,200.00	\$35.00	\$42,000.00	\$50.95	\$61,140.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$48,422.50	\$48,422.50	\$54,970.00	\$54,970.00		
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$2,500.00	\$5,000.00	\$8,130.75	\$16,261.50		
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$3,000.00	\$6,000.00	\$4,345.10	\$8,690.20		
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	125.00	\$5.25	\$656.25	\$8.00	\$1,000.00		
621.31	SINGLE DELINEATOR WITH POST	EA	30.00	\$53.00	\$1,590.00	\$61.80	\$1,854.00		
621.32	DOUBLE DELINEATOR WITH POST	EA	30.00	\$60.00	\$1,800.00	\$69.85	\$2,095.50		
628.2	SAWED BITUMINOUS PAVEMENT	LF	125.00	\$8.00	\$1,000.00	\$10.00	\$1,250.00		
645.44	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	SY	7,600.00	\$3.00	\$23,400.00	\$5.80	\$45,240.00		
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	4,000.00	\$4.50	\$18,000.00	\$8.85	\$35,400.00		
645.531	SILT FENCE	LF	4,000.00	\$3.50	\$14,000.00	\$3.65	\$14,600.00		
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	9,000.00	\$1.50	\$13,500.00	\$4.00	\$36,000.00		
647.1	HUMUS	CY	875.00	\$22.50	\$19,687.50	\$32.00	\$28,000.00		
692.	MOBILIZATION	U	1.00	\$60,000.00	\$60,000.00	\$44,823.75	\$44,823.75		
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	3,000.00	\$1.00	\$3,000.00	\$1.00	\$3,000.00		
1008.141	ALTERATIONS AND ADDITIONS AS NEEDED - GUARDRAIL MODIFICATIONS	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00		
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00		
<b>Totals:</b>				<b>\$993,431.25</b>		<b>\$1,299,348.05</b>			
<b>All Totals:</b>									
<b>Totals:</b>				<b>\$993,431.25</b>		<b>\$1,299,348.05</b>			

# PS&E Comparison

DISTRICT 1 E GUARDRAIL

43130

X-A005(045)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
<b>Items</b>								
202.7	REMOVAL OF GUARDRAIL	LF	9,500.00	\$3.00	\$28,500.00	\$2.50	\$23,750.00	\$4,750.00
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	50.00	\$50.00	\$2,500.00	\$35.00	\$1,750.00	\$750.00
203.5561	EAGRT PLATFORM PREFERRED	U	38.00	\$1,800.00	\$68,400.00	\$1,800.00	\$68,400.00	\$0.00
203.5562	EAGRT PLATFORM ALTERNATE	U	9.00	\$1,800.00	\$16,200.00	\$1,700.00	\$15,300.00	\$900.00
203.5571	EAGRT PLATFORM PREFERRED, TL 2 - 25'	U	2.00	\$1,800.00	\$3,600.00	\$1,500.00	\$3,000.00	\$600.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	50.00	\$10.00	\$500.00	\$75.00	\$3,750.00	(\$3,250.00)
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	1,900.00	\$25.00	\$47,500.00	\$29.00	\$55,100.00	(\$7,600.00)
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	5.00	\$1,000.00	\$5,000.00	\$400.00	\$2,000.00	\$3,000.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	5.00	\$50.00	\$250.00	\$100.00	\$500.00	(\$250.00)
563.307	BRIDGE RAIL T101 (RETROFIT)	LF	50.00	\$237.00	\$11,850.00	\$200.00	\$10,000.00	\$1,850.00
606.012	W6X9 STEEL POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS	EA	15.00	\$90.00	\$1,350.00	\$125.00	\$1,875.00	(\$525.00)
606.0122	W6X9 STEEL POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS	EA	15.00	\$15.00	\$225.00	\$20.00	\$300.00	(\$75.00)
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	46.00	\$4,050.00	\$186,300.00	\$3,750.00	\$172,500.00	\$13,800.00
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	1.00	\$4,050.00	\$4,050.00	\$3,700.00	\$3,700.00	\$350.00



## PS&E Comparison

DISTRICT 1 E GUARDRAIL

43130

X-A005(045)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
606.12551	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2 - 25') (STEEL POST)	U	2.00	\$3,450.00	\$6,900.00	\$3,100.00	\$6,200.00	\$700.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	1.00	\$1,250.00	\$1,250.00	\$1,100.00	\$1,100.00	\$150.00
606.1285	BEAM GUARDRAIL (BRIDGE APPROACH UNIT)	U	6.00	\$5,750.00	\$34,500.00	\$4,600.00	\$27,600.00	\$6,900.00
606.141	BEAM GUARDRAIL (CURVED W/CRT POSTS)	LF	250.00	\$40.00	\$10,000.00	\$33.00	\$8,250.00	\$1,750.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	9,500.00	\$31.50	\$299,250.00	\$28.00	\$266,000.00	\$33,250.00
606.182	31" W-BEAM GUARDRAIL LONG SPAN (18'-9") (STEEL POST)	U	2.00	\$4,875.00	\$9,750.00	\$5,300.00	\$10,600.00	(\$850.00)
606.183	31" W-BEAM GUARDRAIL LONG SPAN (25') (STEEL POST)	U	1.00	\$5,375.00	\$5,375.00	\$5,500.00	\$5,500.00	(\$125.00)
606.84	ANCHOR FOR CURVED GUARDRAIL W/CRT POSTS	U	4.00	\$2,250.00	\$9,000.00	\$2,000.00	\$8,000.00	\$1,000.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	110.00	\$15.00	\$1,650.00	\$20.00	\$2,200.00	(\$550.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	8,000.00	\$1.00	\$8,000.00	\$1.00	\$8,000.00	\$0.00
618.7	FLAGGERS	HR	1,200.00	\$41.25	\$49,500.00	\$35.00	\$42,000.00	\$7,500.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$21,000.00	\$21,000.00	\$48,422.50	\$48,422.50	(\$27,422.50)
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$3,000.00	\$6,000.00	\$2,500.00	\$5,000.00	\$1,000.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$1,000.00	\$2,000.00	\$3,000.00	\$6,000.00	(\$4,000.00)
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	125.00	\$6.00	\$750.00	\$5.25	\$656.25	\$93.75
621.31	SINGLE DELINEATOR WITH POST	EA	30.00	\$50.00	\$1,500.00	\$53.00	\$1,590.00	(\$90.00)



# PS&E Comparison

DISTRICT 1 E GUARDRAIL

43130

X-A005(045)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
621.32	DOUBLE DELINEATOR WITH POST	EA	30.00	\$55.00	\$1,650.00	\$60.00	\$1,800.00	(\$150.00)
628.2	SAWED BITUMINOUS PAVEMENT	LF	125.00	\$5.00	\$625.00	\$8.00	\$1,000.00	(\$375.00)
645.44	TEMPORARY SLOPE MATTING TYPE D (WILDLIFE FRIENDLY)	SY	7,800.00	\$3.00	\$23,400.00	\$3.00	\$23,400.00	\$0.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	4,000.00	\$5.00	\$20,000.00	\$4.50	\$18,000.00	\$2,000.00
645.531	SILT FENCE	LF	4,000.00	\$1.75	\$7,000.00	\$3.50	\$14,000.00	(\$7,000.00)
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	9,000.00	\$1.15	\$10,350.00	\$1.50	\$13,500.00	(\$3,150.00)
647.1	HUMUS	CY	875.00	\$25.00	\$21,875.00	\$22.50	\$19,687.50	\$2,187.50
692.	MOBILIZATION	U	1.00	\$98,507.84	\$98,507.84	\$60,000.00	\$60,000.00	\$38,507.84
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	3,000.00	\$1.00	\$3,000.00	\$1.00	\$3,000.00	\$0.00
1008.141	ALTERATIONS AND ADDITIONS AS NEEDED - GUARDRAIL MODIFICATIONS	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$0.00
<b>Total:</b>					\$1,059,057.84		\$993,431.25	\$65,626.59

October 1, 2021

## **SUPPLEMENTAL PROJECT INFORMATION SHEET**

**DESCRIPTION:** This project involves the replacement of 10,000 feet of deficient cable and w-beam guardrail associated with terminal upgrades, including “F” terminal units and blunt ends on bridge approaches, with the construction of approximately 13,500 feet of new beam guardrail including end terminals. This work is located in District 1 on US Route 2 (Tier 2) in Shelburne, NH Route 110 (Tier 3) in Berlin and Milan, NH Route 16 (Tier 2) in Milan, Dummer, Errol, and Wentworth’s Location, and NH Route 26 (Tier 2) in Errol.

**FEDERAL FUNDING:** 90% (Highway Safety Improvement Program (HSIP)) utilizing Turnpike Toll credits as the State’s 10% match.

**CONTINGENCY:** The proposed contingency amount is 5% of the contract amount. This is to account for unanticipated traffic control needs and any guardrail adjustments that may need to be made in the field.

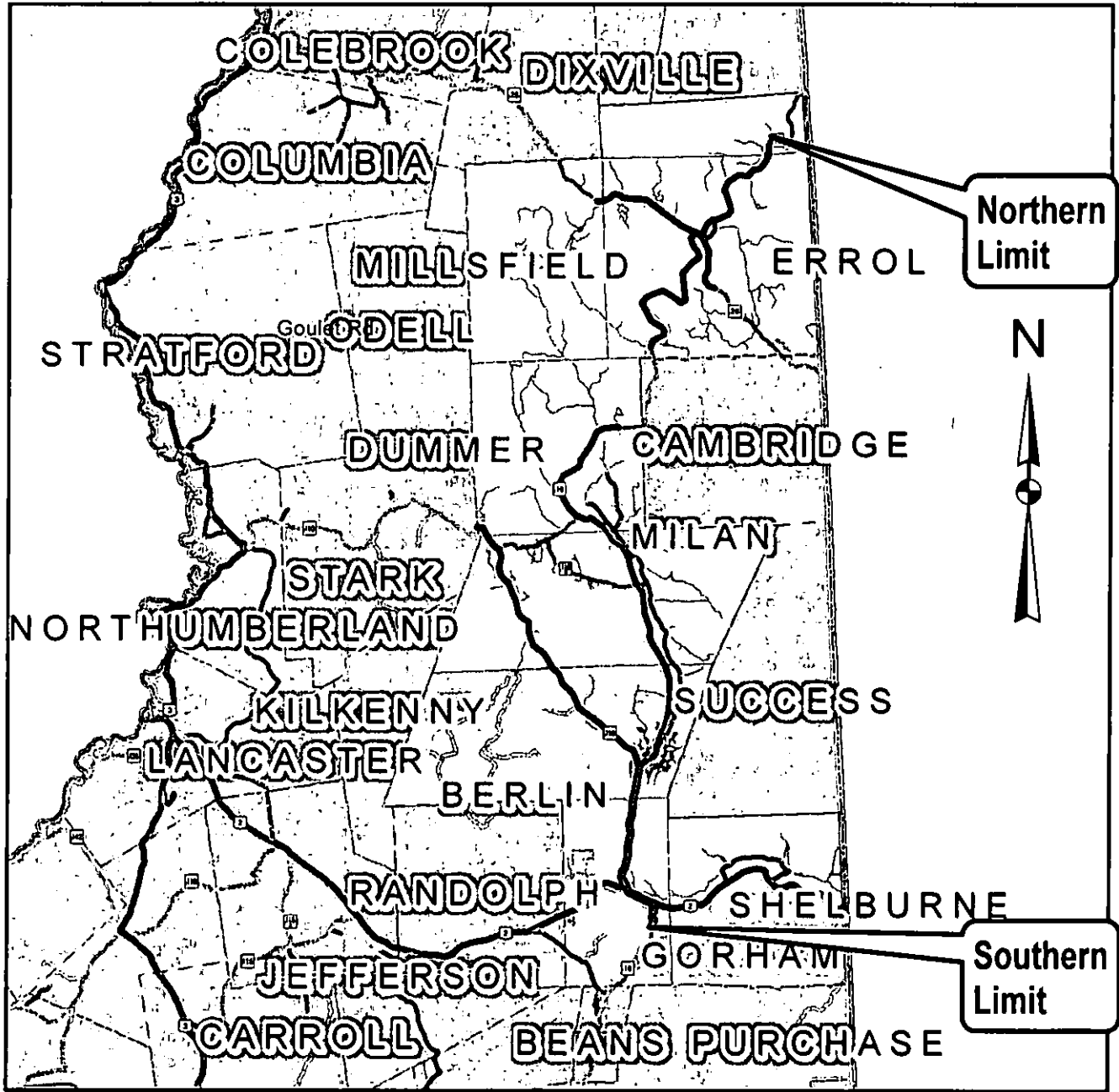
**PROJECT INITIATED:** This project was initiated through the State’s Ten Year Plan, under the HSIP Program.

**PROJECT EXPLANATION:** The existing cable guardrail, “F” terminal units, and blunt ends along these Tier 2 and Tier 3 roadways do not meet the current AASHTO or NHDOT safety standards. The purpose of this project is to replace the existing sub-standard rail and end units with new beam guardrail and end units that meet the current standards.

**TRAFFIC IMPLICATIONS:** All work to be performed in a manner that permits two-way traffic whenever possible. Short term one-lane, alternating two-way traffic will be allowed with prior approval.

**COMPLETION DATE:** September 23, 2022

**DISTRICT 1 EAST - GUARDRAIL HSIP**



1/4 1 2 Miles

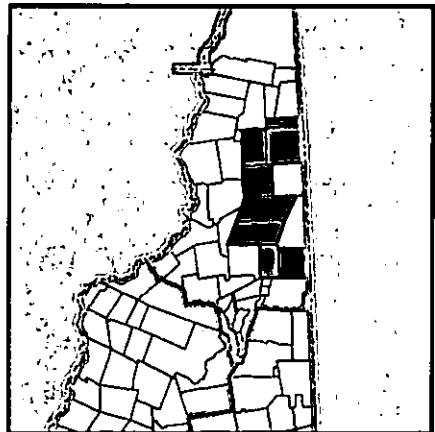
**LEGEND**

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

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

State #: 43130  
 Federal #: X-A005 (045)

**LOCATION MAP**



# State of New Hampshire

## Department of State

### CERTIFICATE

I, William M. Gardner, Secretary of State of the State of New Hampshire, do hereby certify that C.W. SLITER & SONS, LLC is a New Hampshire Limited Liability Company registered to transact business in New Hampshire on January 17, 1984. I further certify that all fees and documents required by the Secretary of State's office have been received and is in good standing as far as this office is concerned.

Business ID: 74644

Certificate Number: 0005373287



IN TESTIMONY WHEREOF,

I hereto set my hand and cause to be affixed  
the Seal of the State of New Hampshire,  
this 26th day of May A.D. 2021.

A handwritten signature in black ink, appearing to read "William M. Gardner".

William M. Gardner  
Secretary of State

**Sole Officer Certification of Authority**

I, Robert M. Carroll, Sr., Hereby certify that I am the Sole Officer  
*(Name)*

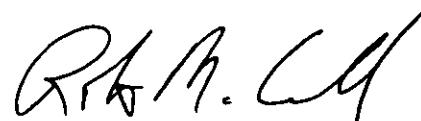
of, C.W. Sliter & Sons, LLC dba which is a Limited Liability Corporation  
CWS Fence & Guardrail registered with the  
*(Name of Corporation)*

Secretary of State under RSA 349. I certify that I am the Sole Officer of the Limited Liability Corporation.

I further certify that it is understood that the State of New Hampshire will rely on this certificate as evidence that the person listed about currently occupies the position indicated and that they have full authority to bind the Limited Liability Corporation.

DATED: November 22, 2021

ATTEST:



Robert M. Carroll, Sr.  
Sole Officer

\*\* PROJECT: DISTRICT 1 E GUARDRAIL  
X-A005(045), 43130



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

11/22/2021

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

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

<b>PRODUCER</b> THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511	<b>CONTACT NAME:</b> Donna Bickford <b>PHONE (A/C, No, Ext):</b> (603) 224-2562 <b>FAX (A/C, No):</b> (603) 224-8012 <b>E-MAIL ADDRESS:</b> dbickford@rowleyagency.com	
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> C.W. Sliter & Sons, LLC dba CWS Fence & Guardrail Co. PO Box 120 Andover NH 03216	<b>INSURER A:</b> Union Insurance Company <b>NAIC #</b> 25844	
	<b>INSURER B:</b> Acadia Insurance Company <b>NAIC #</b> 31325	
	<b>INSURER C:</b>	
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	
	<b>INSURER F:</b>	

**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.

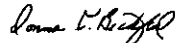
INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR YR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			CPA5423426-11	1/3/2021	1/3/2022	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 - COMPROP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			CAA5423427	1/3/2021	1/3/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED    RETENTION \$ 0			CUA5423428-10	1/3/2021	1/3/2022	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
B	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/A	WCA5423429-11 3A STATES: NH No Excluded Officers	1/3/2021	1/3/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
A	LEASED/RENTED EQUIPMENT			CPA5423426-11	1/3/2021	1/3/2022	LIMIT: \$50,000

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

Re: District 1 E Guardrail X-A005 (045) 43130

When required by written contract NHDOT and Owner are included as an additional insured on all liability policies except Workers' Comp.

**CERTIFICATE HOLDER****CANCELLATION**

New Hampshire DOT 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 Donna Bickford/DTB 
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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
11/22/2021

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.

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<b>PRODUCER</b> THE ROWLEY AGENCY INC. 45 Constitution Avenue P.O. Box 511 Concord NH 03302-0511	<b>CONTACT NAME:</b> Donna Bickford <b>PHONE (A.C. No. Ext.):</b> (603) 224-2562 <b>FAX (A.C. No.):</b> (603) 224-8012 <b>E-MAIL ADDRESS:</b> dbickford@rowleyagency.com	
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> State of NH-Dept. of Transportation c/o C.W. Sliter & Sons LLC PO Box 120 Andover NH 03216	<b>INSURER A:</b> Acadia Insurance Company <b>NAIC #</b> 31325	
	<b>INSURER B:</b>	
	<b>INSURER C:</b>	
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	
	<b>INSURER F:</b>	

**COVERAGES**                      **CERTIFICATE NUMBER:** 2021 OCP NHDOT #43130                      **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 type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Owners & Contractors Protec GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			OCPB21111914814	12/22/2021	3/22/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ \$
	<input type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED    RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	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: District 1 E Guardrail #43130 X-A005(045)

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