



Victoria F. Sheehan  
Commissioner

THE STATE OF NEW HAMPSHIRE  
DEPARTMENT OF TRANSPORTATION



William Cass, P.E.  
Assistant Commissioner

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Bureau of Construction  
October 26, 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 CW Sliter and Sons, Inc dba CWS Fence and Guardrail Co., (Vendor 155763) of Andover, NH on the basis of a low bid of \$1,103,572.75 for replacement of approximately 24,000 feet of cable and beam guardrail and four "F" terminal units, with the construction of approximately 25,000 feet of new beam guardrail, from the date of Governor and Council approval through September 7, 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	\$1,003,572.75	\$100,000.00

2. Further authorize that a contingency in the amount of \$55,178.64 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>
04-96-96-963515-3054	
Consolidated Federal Aid	
400-500870 Highway Contract Payments	\$55,178.64

**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 approximately 24,000 feet of cable and beam guardrail and four "F" terminal units, with the construction of approximately 25,000 feet of new beam guardrail. The existing cable guardrail and "F" terminal units will be upgraded to meet the current guardrail standards. The cable guardrail and "F" terminal units are located along US Route 2, a Tier 2 roadway in Maintenance District 1, from MM 3.6 in Lancaster east to MM 30.8 in Shelburne.

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The existing cable guardrail and "F" terminal units along US Route 2 do not meet the current safety standards by The Federal Highway Association and the New Hampshire Department of Transportation. The purpose of this project is to replace the existing sub-standard rail and end units with new beam guardrail and end units that do meet the current standards. This work continues the Driving Towards Zero initiative.

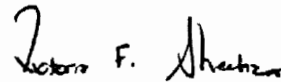
The proposed contingency amount is 5% of the contract amount. This is to account unanticipated traffic control needs and any guardrail adjustments that may need to be made in the field.

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 funds with 10% 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: \$1,106,306.00  
Contract Amount: \$1,103,572.75  
Under Estimate: \$ 2,733.25

Attachments

August 31, 2017

## SUPPLEMENTAL PROJECT INFORMATION SHEET

**DESCRIPTION:** This project involves the replacement of approximately 24,000 feet of cable and beam guardrail and four "F" terminal units, with the construction of approximately 25,000 feet of new beam guardrail. The existing cable guardrail and "F" terminal units will be upgraded to meet the current guardrail standards. The cable guardrail and "F" terminal units are located along US Route 2, a Tier 2 roadway in Maintenance District 1, from MM 3.6 in Lancaster east to MM 30.8 in Shelburne.

**FEDERAL FUNDING:** 90% (Federal) and 10% ~~(State)~~ TTC

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

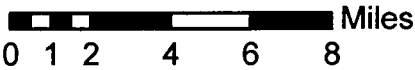
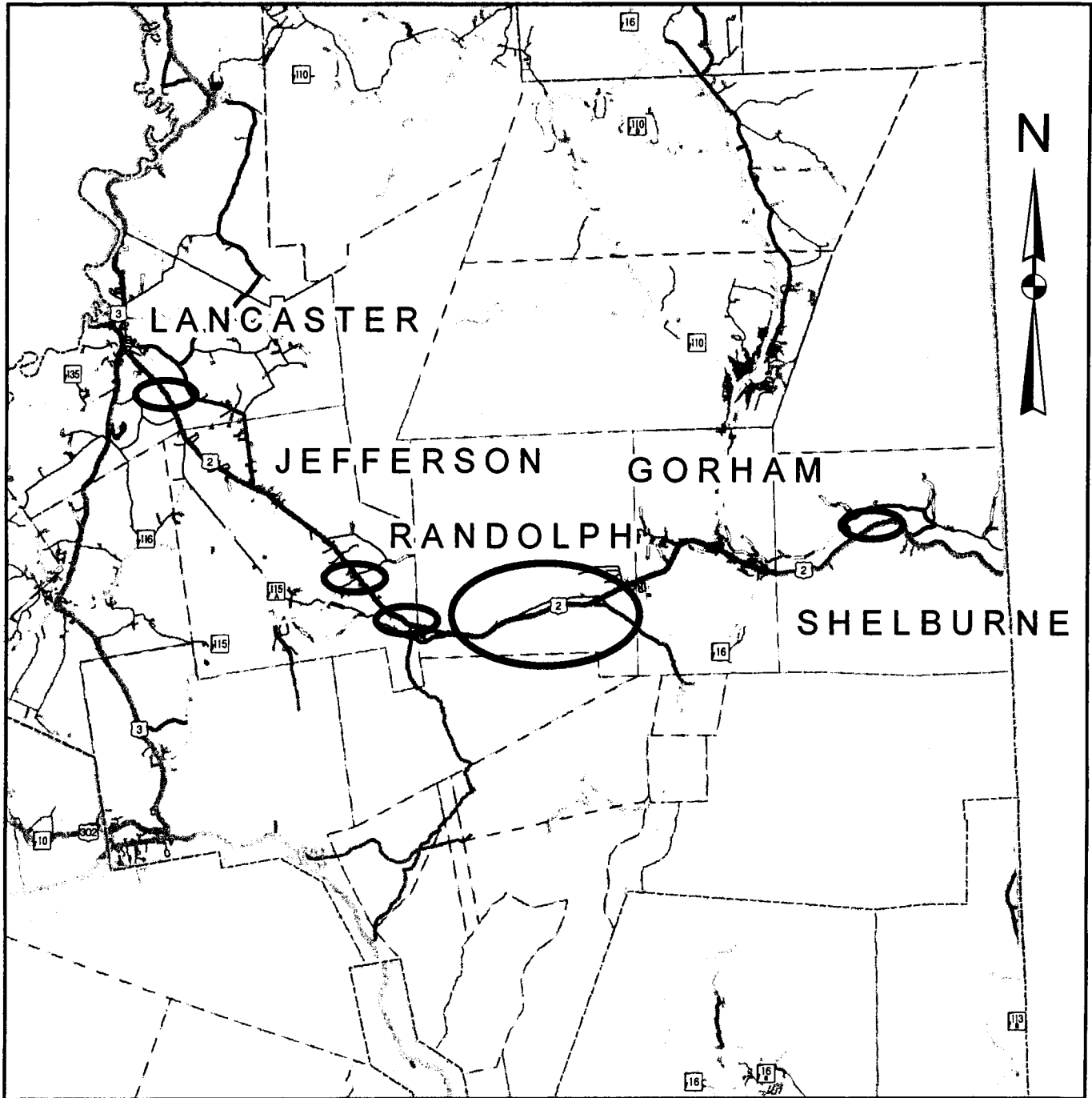
**PROJECT INITIATED:** This project was initiated through the State's Ten Year Plan, under the HSIP Program.

**PROJECT EXPLANATION:** The existing cable guardrail and "F" terminal units along US Route 2 do not meet the current safety standards by The Federal Highway Association and the New Hampshire Department of Transportation. The purpose of this project is to replace the existing sub-standard rail and end units with new beam guardrail and end units that do meet the current standards. This work continues the Driving Towards Zero initiative.

**TRAFFIC IMPLICATION:** One-lane, alternating two-way traffic will be permitted during construction with the use of flaggers or uniformed officers. US Route 2 is a major route for oversize/overweight vehicle and therefore a minimum 16' clear lane width must be provided throughout any lane closures. All traffic must be returned to normal during non-work hours. Daytime shoulder closures along with lane shifts will also be permitted where feasible.

**FINAL COMPLETION DATE:** September 7, 2018.

# LANCASTER-SHELBURNE - US ROUTE 2

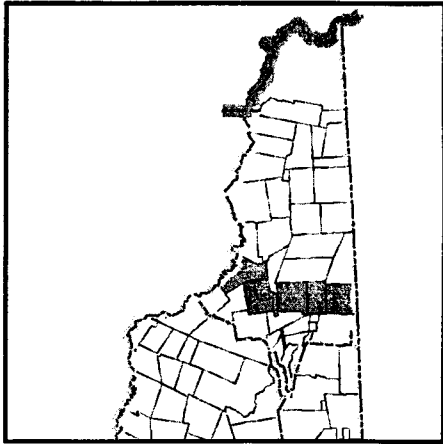


**LEGEND**

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



State #: 41204  
 Federal #: X-A004(563)  
**LOCATION MAP**



PROJECT: LANCASTER-SHELburnE  
 STATE PROJECT NUMBER: 41204  
 FED. PROJECT NUMBER: X-A004(563)  
 DATE BIDS OPEN: October 05, 2017, 2:00  
 SCOPE OF WORK: Upgrade Cable Guardrail to Standard Beam Guardrail  
 COMPLETION DATE: September 07, 2018  
 LOCATION: Coos

Awarded To: CWS FENCE & GUARDRAIL  
 CO  
 261 FRANKLIN HWY  
 ANDOVER, NH 03216-3810

Amount: \$1,103,572.75  
 Award Date:  
 Certified by: PETER.E.STAMNAS  
Director of Project Development

Summary of Bidders

Contractor	Bid Amount	Rank
CWS FENCE & GUARDRAIL CO 261 FRANKLIN HWY, ANDOVER NH 03216-3810	\$1,103,572.75	A
PREMIER FENCE LLC 1010 TURNPIKE STREET, CANTON MA 02021	\$1,122,591.15	B
DELUCCA FENCE CO., INC. FIVE OLD FERRY ROAD, METHUEN MA 01844	\$1,185,595.00	C

Item No.	Description	Unit	Quantity	PS&E		CWS FENCE & GUARDRAIL CO		PREMIER FENCE LLC	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
202.7	REMOVAL OF GUARDRAIL	LF	24,000.00	\$1.50	\$36,000.00	\$1.50	\$36,000.00	\$1.00	\$24,000.00
203.1	COMMON EXCAVATION	CY	50.00	\$30.00	\$1,500.00	\$36.75	\$1,837.50	\$33.25	\$1,662.50
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	62.50	\$20.00	\$1,250.00	\$14.70	\$918.75	\$13.30	\$831.25
203.55542	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL	U	20.00	\$1,000.00	\$20,000.00	\$892.50	\$17,850.00	\$807.50	\$16,150.00
203.55543	GUARDRAIL EAGRT OFFSET PLATFORM, TL 3	U	59.00	\$1,100.00	\$64,900.00	\$971.25	\$57,303.75	\$878.75	\$51,846.25
203.55582	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL	U	3.00	\$1,000.00	\$3,000.00	\$866.25	\$2,598.75	\$783.75	\$2,351.25
203.601	EMBANKMENT-IN-PLACE	CY	300.00	\$14.00	\$4,200.00	\$18.90	\$5,670.00	\$17.10	\$5,130.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	100.00	\$60.00	\$6,000.00	\$36.75	\$3,675.00	\$33.25	\$3,325.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	400.00	\$40.00	\$16,000.00	\$33.60	\$13,440.00	\$30.40	\$12,160.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	100.00	\$150.00	\$15,000.00	\$152.25	\$15,225.00	\$137.75	\$13,775.00
403.6	PAVEMENT JOINT ADHESIVE	LF	5,000.00	\$3.00	\$15,000.00	\$1.58	\$7,900.00	\$1.40	\$7,000.00
565.802	ADJUSTING BRIDGE APPROACH RAIL	U	4.00	\$1,000.00	\$4,000.00	\$250.00	\$1,000.00	\$730.50	\$2,922.00
585.3	STONE FILL, CLASS C	CY	10.00	\$45.00	\$450.00	\$57.75	\$577.50	\$52.25	\$522.50
593.421	GEOTEXTILE; PERM CONTROL CL.2, NON-WOVEN	SY	10.00	\$15.00	\$150.00	\$21.00	\$210.00	\$19.00	\$190.00
603.00218	18" R.C. PIPE, 2000D	LF	30.00	\$100.00	\$3,000.00	\$89.25	\$2,677.50	\$80.75	\$2,422.50
603.34112	12" STEEL END SECTIONS	EA	3.00	\$180.00	\$540.00	\$210.00	\$630.00	\$190.00	\$570.00
603.40012	12" PIPE FOR SLOPE DRAINAGE	LF	300.00	\$70.00	\$21,000.00	\$42.00	\$12,600.00	\$38.00	\$11,400.00
604.76	GRATES & FRAMES, TYPE F	EA	1.00	\$900.00	\$900.00	\$840.00	\$840.00	\$760.00	\$760.00
606.0001	STEEL BEAM FOR BEAM GUARDRAIL, INCLUDING HARDWARE	LF	12.50	\$10.00	\$125.00	\$10.00	\$125.00	\$18.12	\$226.50
606.012	WX9 STEEL POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS	EA	14.00	\$50.00	\$700.00	\$65.00	\$910.00	\$75.83	\$1,061.62
606.0122	WX9 STEEL POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS	EA	14.00	\$14.00	\$196.00	\$12.00	\$168.00	\$17.12	\$239.68
606.01578	FURNISH STEEL POSTS (NU-GUARD-31), 6'-8" WITH HARDWARE	EA	24.00	\$55.00	\$1,320.00	\$65.00	\$1,560.00	\$65.90	\$1,581.60
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	78.00	\$1,950.00	\$152,100.00	\$2,350.00	\$183,300.00	\$2,460.00	\$191,880.00
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	3.00	\$1,900.00	\$5,700.00	\$2,050.00	\$6,150.00	\$2,350.00	\$7,050.00
606.1256	TERMINAL UNIT (X-TENSION)	U	1.00	\$6,000.00	\$6,000.00	\$5,450.00	\$5,450.00	\$6,900.00	\$6,900.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	1.00	\$500.00	\$500.00	\$550.00	\$550.00	\$581.00	\$581.00
606.141	BEAM GUARDRAIL (CURVED W/RT POSTS)	LF	150.00	\$30.00	\$4,500.00	\$20.00	\$3,000.00	\$23.30	\$3,495.00
606.15608	BEAM GUARDRAIL, STEEL POSTS (NU-GUARD-31)	LF	2,000.00	\$20.00	\$40,000.00	\$18.00	\$36,000.00	\$18.30	\$36,600.00
606.18001	31" W-BEAM GUARDRAIL WITH 6" OFFSET BLOCK (STEEL POST)	LF	23,500.00	\$16.00	\$376,000.00	\$17.50	\$411,250.00	\$18.35	\$431,225.00
606.84	ANCHOR FOR CURVED GUARDRAIL W/RT POSTS	U	1.00	\$1,600.00	\$1,600.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	5,000.00	\$11.00	\$55,000.00	\$8.66	\$43,300.00	\$7.85	\$39,250.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	6,000.00	\$1.00	\$6,000.00	\$1.00	\$6,000.00	\$1.00	\$6,000.00
618.7	FLAGGERS	HR	1,300.00	\$25.00	\$32,500.00	\$30.00	\$39,000.00	\$40.00	\$52,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$30,000.00	\$30,000.00	\$34,350.00	\$34,350.00	\$31,240.00	\$31,240.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	3.00	\$3,000.00	\$9,000.00	\$2,800.00	\$8,400.00	\$960.00	\$2,880.00
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$3,000.00	\$6,000.00	\$2,000.00	\$4,000.00	\$960.00	\$1,920.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	350.00	\$4.50	\$1,575.00	\$5.00	\$1,750.00	\$4.45	\$1,557.50
621.31	SINGLE DELINEATOR WITH POST	EA	50.00	\$37.00	\$1,850.00	\$40.00	\$2,000.00	\$41.25	\$2,062.50

Item No.	Description	Unit	Quantity	PS&E		CWS FENCE & GUARDRAIL CO 25 FRANKLIN ST ANDOVER, NH 03216-3610		PREMIER FENCE LLC 100 WINDY HILL RD CANTON, MA 02021	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
621.32	DOUBLE DELINEATOR WITH POST	EA	50.00	\$42.00	\$2,100.00	\$45.00	\$2,250.00	\$44.85	\$2,242.50
628.2	SAWED BITUMINOUS PAVEMENT	LF	5,500.00	\$2.00	\$11,000.00	\$2.00	\$11,000.00	\$1.45	\$7,975.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	4,000.00	\$5.25	\$21,000.00	\$4.46	\$17,840.00	\$4.05	\$16,200.00
645.531	SILT FENCE	LF	4,000.00	\$2.50	\$10,000.00	\$2.36	\$9,440.00	\$1.25	\$5,000.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	7,100.00	\$1.50	\$10,650.00	\$2.36	\$16,756.00	\$2.15	\$15,265.00
647.1	HUMUS	CY	650.00	\$40.00	\$26,000.00	\$33.60	\$21,840.00	\$30.40	\$19,760.00
692.	MOBILIZATION	U	1.00	\$50,000.00	\$50,000.00	\$24,130.00	\$24,130.00	\$45,680.00	\$45,680.00
698.13	FIELD OFFICE TYPE C	MON	4.00	\$1,750.00	\$7,000.00	\$1,400.00	\$5,600.00	\$2,300.00	\$9,200.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00
1010.16	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00
<b>Totals:</b>					<b>\$1,106,306.00</b>		<b>\$1,103,572.75</b>		<b>\$1,122,591.15</b>
<b>Totals:</b>					<b>\$1,106,306.00</b>		<b>\$1,103,572.75</b>		<b>\$1,122,591.15</b>

Item No.	Description	Unit	Quantity	PS&E		DELUCCA FENCE CO., INC. FERRIS ROAD METHUEN, MA 01464		Total	Unit Price	Total
				Unit Price	Total	Unit Price	Total			

**Items**

202.7	REMOVAL OF GUARDRAIL	LF	24,000.00	\$1.50	\$36,000.00	\$2.30	\$55,200.00			
203.1	COMMON EXCAVATION	CY	50.00	\$30.00	\$1,500.00	\$35.00	\$1,750.00			
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	62.50	\$20.00	\$1,250.00	\$30.00	\$1,875.00			
203.55542	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL 3	U	20.00	\$1,000.00	\$20,000.00	\$850.00	\$17,000.00			
203.55543	GUARDRAIL EAGRT OFFSET PLATFORM, TL 3	U	59.00	\$1,100.00	\$64,900.00	\$925.00	\$54,575.00			
203.55582	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL 2	U	3.00	\$1,000.00	\$3,000.00	\$825.00	\$2,475.00			
203.601	EMBANKMENT-IN-PLACE	CY	300.00	\$14.00	\$4,200.00	\$18.00	\$5,400.00			
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	100.00	\$60.00	\$6,000.00	\$35.00	\$3,500.00			
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	400.00	\$40.00	\$16,000.00	\$32.00	\$12,800.00			
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	100.00	\$150.00	\$15,000.00	\$145.00	\$14,500.00			
403.6	PAVEMENT JOINT ADHESIVE	LF	5,000.00	\$3.00	\$15,000.00	\$1.50	\$7,500.00			
565.802	ADJUSTING BRIDGE APPROACH RAIL	U	4.00	\$1,000.00	\$4,000.00	\$825.00	\$3,300.00			
585.3	STONE FILL, CLASS C	CY	10.00	\$45.00	\$450.00	\$55.00	\$550.00			
593.421	GEOTEXTILE; PERM CONTROL CL.2, NON-WOVEN	SY	10.00	\$15.00	\$150.00	\$20.00	\$200.00			
603.00218	18" R.C. PIPE, 2000D	LF	30.00	\$100.00	\$3,000.00	\$85.00	\$2,550.00			
603.34112	12" STEEL END SECTIONS	EA	3.00	\$180.00	\$540.00	\$200.00	\$600.00			
603.40012	12" PIPE FOR SLOPE DRAINAGE	LF	300.00	\$70.00	\$21,000.00	\$40.00	\$12,000.00			
604.76	GRATES & FRAMES, TYPE F	EA	1.00	\$900.00	\$900.00	\$800.00	\$800.00			
606.0001	STEEL BEAM FOR BEAM GUARDRAIL, INCLUDING HARDWARE	LF	12.50	\$10.00	\$125.00	\$10.00	\$125.00			
606.012	W6X9 STEEL POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS	EA	14.00	\$50.00	\$700.00	\$50.00	\$700.00			
606.0122	W6X9 STEEL POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS	EA	14.00	\$14.00	\$196.00	\$15.00	\$210.00			
606.01578	FURNISH STEEL POSTS (NU-GUARD-31), 6'-8" WITH HARDWARE	EA	24.00	\$55.00	\$1,320.00	\$60.00	\$1,440.00			
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	78.00	\$1,950.00	\$152,100.00	\$2,700.00	\$210,600.00			
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	3.00	\$1,900.00	\$5,700.00	\$2,375.00	\$7,125.00			
606.1256	TERMINAL UNIT (X-TENSION)	U	1.00	\$6,000.00	\$6,000.00	\$5,800.00	\$5,800.00			
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	1.00	\$500.00	\$500.00	\$585.00	\$585.00			
606.141	BEAM GUARDRAIL (CURVED W/CRPT POSTS)	LF	150.00	\$30.00	\$4,500.00	\$26.00	\$3,900.00			
606.15808	BEAM GUARDRAIL, STEEL POSTS (NU-GUARD-31)	LF	2,000.00	\$20.00	\$40,000.00	\$19.60	\$39,200.00			
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	23,500.00	\$16.00	\$376,000.00	\$16.25	\$381,875.00			
606.84	ANCHOR FOR CURVED GUARDRAIL W/CRPT POSTS	U	1.00	\$1,600.00	\$1,600.00	\$2,000.00	\$2,000.00			
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	5,000.00	\$11.00	\$55,000.00	\$10.00	\$50,000.00			
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	6,000.00	\$1.00	\$6,000.00	\$1.00	\$6,000.00			
618.7	FLAGGERS	HR	1,300.00	\$25.00	\$32,500.00	\$32.75	\$42,575.00			
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$30,000.00	\$30,000.00	\$42,000.00	\$42,000.00			
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	3.00	\$3,000.00	\$9,000.00	\$200.00	\$600.00			
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$3,000.00	\$6,000.00	\$200.00	\$400.00			
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	350.00	\$4.50	\$1,575.00	\$5.00	\$1,750.00			
621.31	SINGLE DELINEATOR WITH POST	EA	50.00	\$37.00	\$1,850.00	\$40.00	\$2,000.00			



Item No.	Description	Unit	Quantity	P&E		DELUCCA FENCE CO., INC. 100 WINDY ROAD METRUEN, MA 01044	
				Unit Price	Total	Unit Price	Total
621.32	DOUBLE DELINEATOR WITH POST	EA	50.00	\$42.00	\$2,100.00	\$40.00	\$2,000.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	5,500.00	\$2.00	\$11,000.00	\$1.50	\$8,250.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	4,000.00	\$5.25	\$21,000.00	\$4.50	\$18,000.00
645.531	SILT FENCE	LF	4,000.00	\$2.50	\$10,000.00	\$2.35	\$9,400.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	7,100.00	\$1.50	\$10,650.00	\$2.35	\$16,685.00
647.1	HUMUS	CY	650.00	\$40.00	\$26,000.00	\$32.00	\$20,800.00
682.	MOBILIZATION	U	1.00	\$50,000.00	\$50,000.00	\$80,000.00	\$80,000.00
688.13	FIELD OFFICE TYPE C	MON	4.00	\$1,750.00	\$7,000.00	\$2,500.00	\$10,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00
<b>Totals:</b>					<b>\$1,106,306.00</b>		<b>\$1,185,595.00</b>
<b>Totals:</b>					<b>\$1,106,306.00</b>		<b>\$1,185,595.00</b>



# PS&E Comparison

LANCASTER-SHELburne  
41204  
X-A004(563)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
202.7	REMOVAL OF GUARDRAIL	LF	24,000.00	\$1.50	\$36,000.00	\$1.50	\$36,000.00	\$0.00
203.1	COMMON EXCAVATION	CY	50.00	\$36.75	\$1,837.50	\$30.00	\$1,500.00	\$337.50
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	62.50	\$14.70	\$918.75	\$20.00	\$1,250.00	(\$331.25)
203.55542	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL 3	U	20.00	\$892.50	\$17,850.00	\$1,000.00	\$20,000.00	(\$2,150.00)
203.55543	GUARDRAIL EAGRT OFFSET PLATFORM, TL 3	U	59.00	\$971.25	\$57,303.75	\$1,100.00	\$64,900.00	(\$7,596.25)
203.55552	GUARDRAIL EAGRT OFFSET PLATFORM ALTERNATE, TL 2	U	3.00	\$866.25	\$2,598.75	\$1,000.00	\$3,000.00	(\$401.25)
203.601	EMBANKMENT-IN-PLACE	CY	300.00	\$18.90	\$5,670.00	\$14.00	\$4,200.00	\$1,470.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	100.00	\$36.75	\$3,675.00	\$60.00	\$6,000.00	(\$2,325.00)
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	400.00	\$33.60	\$13,440.00	\$40.00	\$16,000.00	(\$2,560.00)
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	100.00	\$152.25	\$15,225.00	\$150.00	\$15,000.00	\$225.00
403.6	PAVEMENT JOINT ADHESIVE	LF	5,000.00	\$1.58	\$7,900.00	\$3.00	\$15,000.00	(\$7,100.00)
565.802	ADJUSTING BRIDGE APPROACH RAIL	U	4.00	\$250.00	\$1,000.00	\$1,000.00	\$4,000.00	(\$3,000.00)
585.3	STONE FILL, CLASS C	CY	10.00	\$57.75	\$577.50	\$45.00	\$450.00	\$127.50
593.421	GEOTEXTILE; PERM CONTROL CL.2, NON-WOVEN	SY	10.00	\$21.00	\$210.00	\$15.00	\$150.00	\$60.00

**Items**

603.00218	18" R.C. PIPE, 2000D	LF	30.00	\$89.25	\$2,677.50	\$100.00	\$3,000.00				
603.34112	12" STEEL END SECTIONS	EA	3.00	\$210.00	\$630.00	\$180.00	\$540.00				\$90.00
603.40012	12" PIPE FOR SLOPE DRAINAGE	LF	300.00	\$42.00	\$12,600.00	\$70.00	\$21,000.00				(\$8,400.00)
604.76	GRATES & FRAMES, TYPE F	EA	1.00	\$840.00	\$840.00	\$900.00	\$900.00				(\$60.00)
606.0001	STEEL BEAM FOR BEAM GUARDRAIL, INCLUDING HARDWARE	LF	12.50	\$10.00	\$125.00	\$10.00	\$125.00				\$0.00
606.012	W6X9 STEEL POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS	EA	14.00	\$65.00	\$910.00	\$50.00	\$700.00				\$210.00
606.0122	W6X9 STEEL POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS	EA	14.00	\$12.00	\$168.00	\$14.00	\$196.00				(\$28.00)
606.01578	FURNISH STEEL POSTS (NU-GUARD-31), 6'-6" WITH HARDWARE	EA	24.00	\$65.00	\$1,560.00	\$55.00	\$1,320.00				\$240.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	78.00	\$2,350.00	\$183,300.00	\$1,950.00	\$152,100.00				\$31,200.00
606.1255	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2) (STEEL POST)	U	3.00	\$2,050.00	\$6,150.00	\$1,900.00	\$5,700.00				\$450.00
606.1256	TERMINAL UNIT (X-TENSION)	U	1.00	\$5,450.00	\$5,450.00	\$6,000.00	\$6,000.00				(\$550.00)
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	1.00	\$550.00	\$550.00	\$500.00	\$500.00				\$50.00
606.141	BEAM GUARDRAIL (CURVED W/CRT POSTS)	LF	150.00	\$20.00	\$3,000.00	\$30.00	\$4,500.00				(\$1,500.00)
606.15808	BEAM GUARDRAIL, STEEL POSTS (NU-GUARD-31)	LF	2,000.00	\$18.00	\$36,000.00	\$20.00	\$40,000.00				(\$4,000.00)
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	23,500.00	\$17.50	\$411,250.00	\$16.00	\$376,000.00				\$35,250.00
606.84	ANCHOR FOR CURVED GUARDRAIL W/CRT POSTS	U	1.00	\$1,500.00	\$1,500.00	\$1,600.00	\$1,600.00				(\$100.00)
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	5,000.00	\$8.66	\$43,300.00	\$11.00	\$55,000.00				(\$11,700.00)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	6,000.00	\$1.00	\$6,000.00	\$1.00	\$6,000.00				\$0.00
618.7	FLAGGERS	HR	1,300.00	\$30.00	\$39,000.00	\$25.00	\$32,500.00				\$6,500.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$34,350.00	\$34,350.00	\$30,000.00	\$30,000.00				\$4,350.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	3.00	\$2,800.00	\$8,400.00	\$3,000.00	\$9,000.00				(\$600.00)

619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$2,000.00	\$4,000.00	\$3,000.00	\$6,000.00	(\$2,000.00)
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	350.00	\$5.00	\$1,750.00	\$4.50	\$1,575.00	\$175.00
621.31	SINGLE DELINEATOR WITH POST	EA	50.00	\$40.00	\$2,000.00	\$37.00	\$1,850.00	\$150.00
621.32	DOUBLE DELINEATOR WITH POST	EA	50.00	\$45.00	\$2,250.00	\$42.00	\$2,100.00	\$150.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	5,500.00	\$2.00	\$11,000.00	\$2.00	\$11,000.00	\$0.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	4,000.00	\$4.46	\$17,840.00	\$5.25	\$21,000.00	(\$3,160.00)
645.531	SILT FENCE	LF	4,000.00	\$2.36	\$9,440.00	\$2.50	\$10,000.00	(\$560.00)
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	7,100.00	\$2.36	\$16,756.00	\$1.50	\$10,650.00	\$6,106.00
647.1	HUMUS	CY	650.00	\$33.60	\$21,840.00	\$40.00	\$26,000.00	(\$4,160.00)
692.	MOBILIZATION	U	1.00	\$24,130.00	\$24,130.00	\$50,000.00	\$50,000.00	(\$25,870.00)
698.13	FIELD OFFICE TYPE C	MON	4.00	\$1,400.00	\$5,600.00	\$1,750.00	\$7,000.00	(\$1,400.00)
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$0.00

**Total:** \$1,103,572.75 \$1,106,306.00 (\$2,733.25)



CWSLITE-01

KPETTIT

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
10/11/2017

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 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 Davis & Towle Morrill & Everett, Inc. 115 Airport Road Concord, NH 03301	CONTACT NAME: <b>Kathy M. Pettit</b>	
	PHONE (A/C, No, Ext): <b>(603) 715-9739</b>	FAX (A/C, No): <b>(603) 225-7935</b>
E-MAIL ADDRESS: <b>kpettit@davistowle.com</b>		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A : <b>Acadia Insurance Company</b>		<b>31325</b>
INSURED  <b>CW Sliter &amp; Sons, Inc. dba CWS Fence &amp; Guardrail Company 261 Franklin Highway Andover, NH 03216</b>		
INSURER B :		
INSURER C :		
INSURER D :		
INSURER E :		
INSURER F :		

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

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

INSR LTR	TYPE OF INSURANCE	ADDL 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  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO:JECT <input checked="" type="checkbox"/> LOC OTHER:	X		CPA0210457-20	06/01/2017	06/01/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/PROP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			CAA0210461-20	06/01/2017	06/01/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0			CUA0210463-20	06/01/2017	06/01/2018	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input checked="" type="checkbox"/> If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input checked="" type="checkbox"/> N	N/A	WCA0210462-20	06/01/2017	06/01/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 100,000 E.L. DISEASE - EA EMPLOYEE \$ 100,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
**\*\* Workers Comp Information 3A States: NH, ME\*\***

RE: Lancaster-Shelburne X-A004(563), 41204. It is agreed and understood that the State of New Hampshire, Department of Transportation is included as additional insured on General Liability for ongoing operations when required by written contract.

**CERTIFICATE HOLDER**                      **CANCELLATION**

State of New Hampshire, Dept. of Transportation Office of Federal Compliance PO Box 483 Concord, NH 03302	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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CWSLITE-01

KPETTIT

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/11/2017

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<b>PRODUCER</b> Davis & Towle Morrill & Everett, Inc. 115 Airport Road Concord, NH 03301	<b>CONTACT NAME:</b> Kathy M. Pettit	
	<b>PHONE (A/C, No, Ext):</b> (603) 715-9739	<b>FAX (A/C, No):</b> (603) 225-7935
	<b>E-MAIL ADDRESS:</b> kpettit@davistowle.com	
	<b>INSURER(S) AFFORDING COVERAGE</b>	
	<b>INSURER A :</b> Acadia Insurance Company	
	<b>NAIC #</b> 31325	
<b>INSURED</b>  State of New Hampshire, Dept. of Transportation PO Box 483 Concord, NH 03302	<b>INSURER B :</b>	
	<b>INSURER C :</b>	
	<b>INSURER D :</b>	
	<b>INSURER E :</b>	
	<b>INSURER F :</b>	

**COVERAGES                                      CERTIFICATE NUMBER:                                      REVISION NUMBER:**

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INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Owners Contractors <input checked="" type="checkbox"/> Protective Liab. GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			OCP5324443-10	10/16/2017	04/18/2019	EACH OCCURRENCE \$ 1,000,000
							MED EXP (Any one person) \$
							PERSONAL & ADV INJURY \$
							GENERAL AGGREGATE \$ 2,000,000
							PRODUCTS - COMP/OP AGG \$
							\$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$
							BODILY INJURY (Per person) \$
							BODILY INJURY (Per accident) \$
							PROPERTY DAMAGE (Per accident) \$
							\$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED \$      RETENTION \$						EACH OCCURRENCE \$
							AGGREGATE \$
							\$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y <input checked="" type="checkbox"/> N / A If yes, describe under DESCRIPTION OF OPERATIONS below						PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/>
							E.L. EACH ACCIDENT \$
							E.L. DISEASE - EA EMPLOYEE \$
							E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
RE: Lancaster-Shelburne X-A004(563), 41204..

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