



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



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CHRISTOPHER D. CLEMENT, SR.
COMMISSIONER

JEFF BRILLHART, P.E.
ASSISTANT COMMISSIONER

Bureau of Construction
June 19, 2013

Her Excellency, Governor Margaret Wood Hassan
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 & Sons, Inc. dba CWS Fence & Guardrail (Vendor 155763) of Andover, NH on the basis of a low bid of \$984,703.00 for replacing substandard guardrail along approximately 12 miles of NH 16, between the intersection of US 302 to the Pinkham Notch Visitor Center, from the date of Governor and Council approval through June 27, 2014 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available as follows and is contingent upon the availability and continued appropriation of funds:

Funding is available as follows:
FY 2014
04-96-96-963515-3054
Consolidated Federal Aid
400-500870 Highway Contract Payments \$984,703.00

2. Further authorize that a contingency in the amount of \$49,235.15 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:
FY 2014
04-96-96-963515-3054
Consolidated Federal Aid
400-500870 Highway Contract Payments \$49,235.15

EXPLANATION

This project is part of the Federal Aid Guardrail Improvement Program. This project consists of guardrail upgrades along the NH 16 corridor from Glenn Village to Pinkhams Notch. The guardrail improvement project will address deficiencies such as obsolete rail (cable, F-terminals, and ELT terminal units), rail at the end of its service life (20 or more years old, damaged by plows or accidents, deteriorated posts due to rot or infestation), rail lengths too short for warrants, rail height too low, and improper transition units to bridge rail. The work also includes minor drainage alterations, shoulder leveling and slope work. The project will replace outdated guardrail to meet current design standards and improve safety.

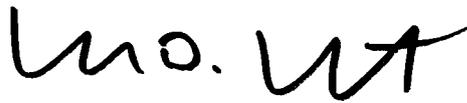
The contingency amount is proposed to be 5% of the contract amount. Adjusting limits to offset quantity overruns is not practical. The estimated quantities are derived from field review measurements. The slope tie-ins for guardrail platforms may require adjustments to match the true conditions encountered during construction.

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. 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,



Christopher D. Clement, Sr.
Commissioner

CDC/md

Department Estimate: \$1,038,850.00
Contract Amount: \$ 984,703.00
Under Estimate: \$ 54,147.00

Attachments

April 23, 2013

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project involves replacing substandard guardrail (GR) and terminals along NH 16, from the intersection of US 302, north approximately 12 miles to the Pinkham Notch Visitor Center, in Pinkhams Grant. Other related work includes minor drainage alterations (reconstructing bituminous curb and replacing sluice drains with drainage structures and pipe for slope drain), shoulder leveling and minor slope work. The work also includes attaching guardrail to bridge concrete barrier at one bridge location.

FEDERAL FUNDING: 80% Federal Funding and 20% State match (anticipated Turnpike Toll Credits).

CONTINGENCY: The contingency amount is proposed to be 5% for this Contract. Adjusting limits to offset quantity overruns is not practical. The slope tie-ins for guardrail platforms may require adjustments to match the true conditions encountered during construction.

PROJECT INITIATED: State's 10-Year Transportation Improvement Plan under the "parent" Federal Aid Guardrail Improvement Program (GRR #785).

PROJECT EXPLANATION: This project consists of guardrail upgrades along the NH 16 corridor and begins at the intersection of NH 16 and US 302. The intent of this guardrail improvement project is to address deficiencies such as obsolete rail (cable, F-terminal units, ELT terminal units), rail at the end of its service life (20 or more years old, damaged by plows or accidents, deteriorated posts due to rot or infestation), rail lengths too short for warrants, rail height too low, and improper transition units to bridge rail. The existing rail to be removed will be replaced with new galvanized beam guardrail with steel posts and appropriate end treatments that meet current design standards for safety.

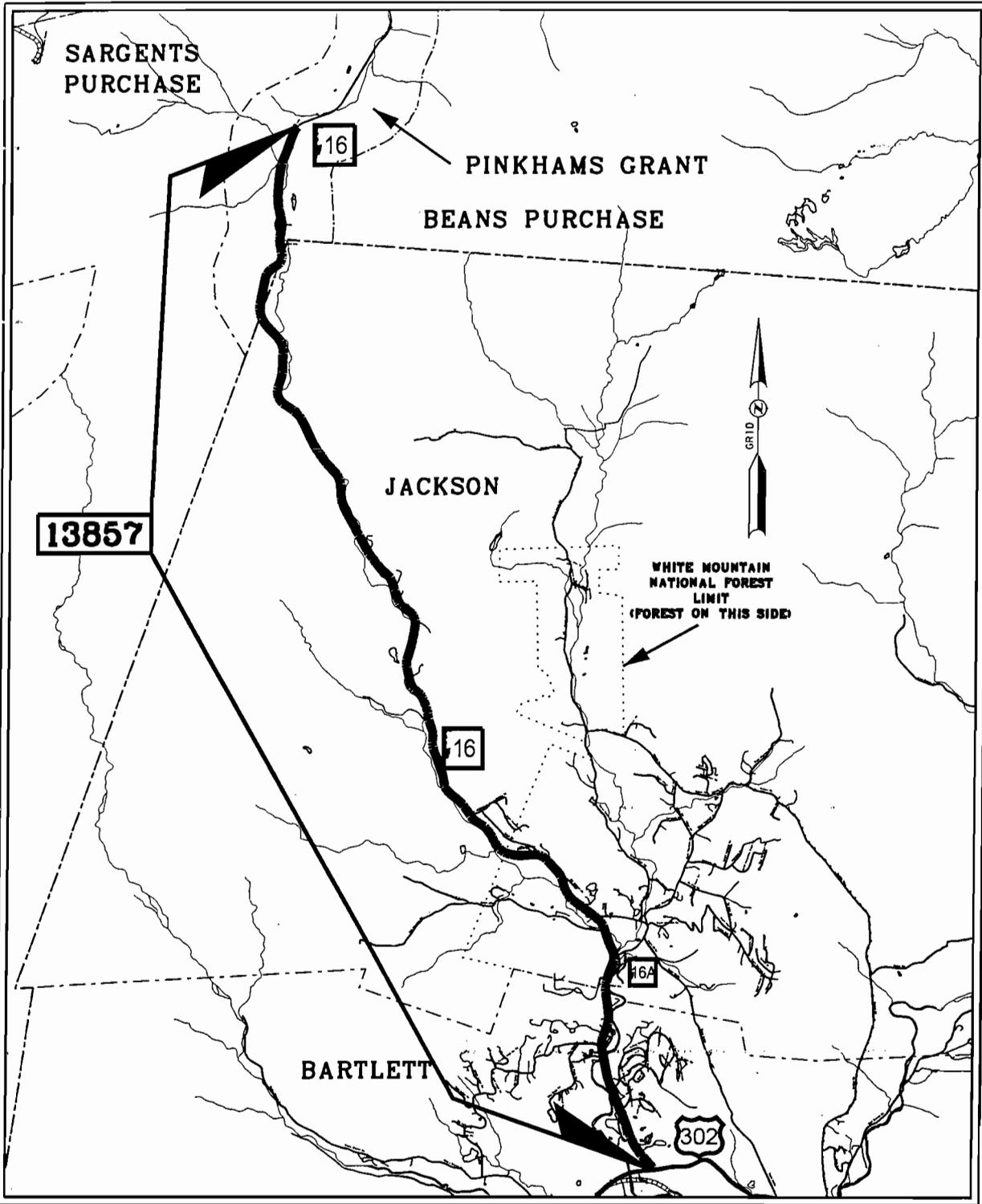
The guardrail sites through the proposed project limits are of various vintages, ranging in years from the 1930's (cable), to the 1970's and 1980's (beam guardrail with F-terminal units), to 1999 (beam guardrail with ELT terminal units.)

- Beginning at the southerly limit of NH 16, in Bartlett, the existing rail consists of standard beam with F-terminal units from the 1980s as a part of a bridge replacement and NH 16 full box reconstruction.
- Beyond the Bartlett/Jackson town line existing runs are cable. Latest as-built plans show these runs as being constructed in the 1930s, introduced with the initial layout and construction of NH 16. The cable has been maintained at these GR sites by District Maintenance forces.
- Cable runs give way to *weathering* steel beam guard rail of 1980s vintage at Bridge No. 092/130 in addition to the next two runs, installed as part of a NH 16 realignment and reconstruction. Standard beam w/ F-terminal units (1970s vintage) continues northward to the Jackson/Pinkhams Grant town line, as part of a realignment and reconstruction project
- Between the town line and the end of the project just beyond the Pinkam Notch Visitor Center, all existing runs are corrosion resistive steel beam guardrail w/ELT terminal units (1999 vintage) and were installed as part of an unstable rock and pavement rehabilitation project.

In addition to the above, there are 3 new guardrail runs due to large culvert openings within the clear zone, and one culvert extension to extend the pipe beyond the clear zone.

TRAFFIC IMPLICATION: Two-way traffic on 11' minimum width lanes will be maintained whenever possible. Alternating one-way traffic will be allowed on a single 14' minimum width lane during daylight hours with the use of uniformed officers or flaggers; however, if this work cannot be handled safely and without excessive backup, the work that requires the lane closure will be discontinued and normal traffic patterns will be restored. In any event, two-way traffic will be restored during non-work hours.

FINAL COMPLETION DATE: Friday, June 27, 2014.



BARTLETT - PINKHAMS GRANT 13857



STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN

LOCATION MAP

MODEL	DCW	STATE PROJECT NO.	SHEET NO.	SHEET TOTAL
Default	13857LOC_2	13857	14	51

PROJECT: BARTLETT-PINKHAMS GRANT
X-A000(062), 13857

COUNTIES AND CODES: CARROLL 003
COOS 007

DATE BIDS OPEN: JUNE 6, 2013

SCOPE OF WORK: GUARDRAIL REPLACEMENT

LOCATION: NH 16 AND US 302

COMPLETION DATE: JUNE 27, 2014

A CWS FENCE & GUARDRAIL
261 FRANKLIN HIGHWAY, ANDOVER, NH 03216 \$ 984,703.00
B DELUCCA FENCE COMPANY, INC.
FIVE OLD FERRY ROAD, METHUEN, MA 01844 \$ 996,867.50

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	A			B		
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
202.7	REMOVAL OF GUARDRAIL	LF	18,000.	1.50	27,000.00	1.50	27,000.00	1.50	27,000.00
203.1	COMMON EXCAVATION	CY	75.	20.00	1,500.00	35.70	2,677.50	35.70	2,677.50
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	570.	17.00	9,690.00	14.50	8,265.00	14.50	8,265.00
203.5554	GUARDRAIL 50' EAGRT PLATFORM	U	60.	800.00	48,000.00	690.00	41,400.00	690.00	41,400.00
203.55541	GUARDRAIL 50' EAGRT PLATFORM ALTERNATE	U	3.	900.00	2,700.00	690.00	2,070.00	690.00	2,070.00
203.5555	GUARDRAIL 25' EAGRT PLATFORM	U	2.	700.00	1,400.00	637.00	1,274.00	637.00	1,274.00
203.5596	GUARDRAIL E-2 PLATFORM	LF	370.	17.00	6,290.00	10.45	3,866.50	10.45	3,866.50
203.601	EMBANKMENT-IN-PLACE	CY	15.	30.00	450.00	45.00	675.00	45.00	675.00
206.1	COMMON STRUCTURE EXCAVATION	CY	20.	30.00	600.00	45.00	900.00	45.00	900.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	20.	35.00	700.00	85.00	1,700.00	85.00	1,700.00
206.2	ROCK STRUCTURE EXCAVATION	CY	7.	80.00	560.00	95.00	665.00	95.00	665.00
304.301	CRUSHED GRAVEL	CY	45.	40.00	1,800.00	35.00	1,575.00	35.00	1,575.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	2,500.	15.00	37,500.00	28.50	71,250.00	28.50	71,250.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	125.	150.00	18,750.00	155.00	19,375.00	155.00	19,375.00
403.6	PAVEMENT JOINT ADHESIVE	LF	4,900.	.75	3,675.00	.50	2,450.00	.50	2,450.00
570.4	MORTAR RUBBLE MASONRY (F)	CY	5.	500.00	2,500.00	500.00	2,500.00	500.00	2,500.00
585.3	STONE FILL, CLASS C	CY	400.	40.00	16,000.00	32.00	12,800.00	32.00	12,800.00
593.421	GEOTEXTILE; PERM. CONTROL CL. 2, NON-WOVEN	SY	100.	3.00	300.00	6.50	650.00	6.50	650.00
603.00215	15" R.C. PIPE, 2000D	LF	10.	100.00	1,000.00	85.00	850.00	85.00	850.00
603.34115	15" STEEL END SECTIONS	EA	3.	175.00	525.00	185.00	555.00	185.00	555.00
603.44012	12" CORR. POLYETHYLENE PIPE FOR SLOPE DRAINAGE	LF	34.	50.00	1,700.00	38.00	1,292.00	38.00	1,292.00

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	A			B		
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
603.82212	12" PE PIPE (TYPE S)	LF	35.	40.00	1,400.00				
604.242	DROP INLETS TYPE D-B	U	4.	1,500.00	6,000.00	48.00	1,680.00	1,450.00	5,800.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	5.	350.00	1,750.00	300.00	1,500.00	300.00	1,500.00
604.72	GRATES & FRAMES, TYPE B	EA	2.	500.00	1,000.00	310.00	620.00	310.00	620.00
604.76	GRATES & FRAMES, TYPE F	EA	2.	600.00	1,200.00	650.00	1,300.00	650.00	1,300.00
606.000	STEEL BEAM FOR BEAM GUARDRAIL	LF	12.5	8.00	100.00	8.00	100.00		
606.012	W6X9 STEEL POST REPLACE- MENTS FOR BEAM GUARDRAIL	EA	30.	50.00	1,500.00	60.00	1,800.00		
606.014	6"X8" WOOD POST REPLACE- MENTS FOR BEAM GUARDRAIL	EA	5.	50.00	250.00	60.00	300.00		
606.0142	6"X8" WOOD POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS	EA	5.	15.00	75.00	10.00	50.00		
606.01571	FURNISH STEEL POSTS (NU-GUARD), 6'-6"	EA	40.	42.00	1,680.00	50.00	2,000.00		
606.01581	WITH HARDWARE (NU-GUARD), 7'-6"	EA	220.	45.00	9,900.00	50.00	11,000.00		
606.12121	BEAM GUARDRAIL, LONG SPAN, DOUBLE NESTED (12.5')	U	4.	2,600.00	10,400.00	1,900.00	7,600.00		
606.12123	BEAM GUARDRAIL, LONG SPAN, DOUBLE NESTED (25')	U	2.	2,750.00	5,500.00	2,385.00	4,770.00		
606.1254	BEAM GUARDRAIL (TERM. UNI TYPE EAGRT 50 FT) (STEEL POST)	U	63.	2,010.00	126,630.00	1,950.00	122,850.00		
606.1255	BEAM GUARDRAIL (TERM. UNI TYPE EAGRT 25 FT) (STEEL POST)	U	2.	1,650.00	3,300.00	1,550.00	3,100.00		
606.127	BEAM GUARDRAIL (TERM. UNI TYPE G-2) (STEEL POST)	U	3.	550.00	1,650.00	500.00	1,500.00		
606.1296	BEAM GUARDRAIL (TERM. UNI TYPE E-2) (STEEL POST)	LF	400.	28.00	11,200.00	30.00	12,000.00		
606.15808	STEEL BEAM GUARDRAIL, STEEL POSTS (NU-GUARD-31)	LF	1,025.	17.00	17,425.00	20.50	21,012.50		
606.15809	STEEL BEAM GUARDRAIL, 7'-6" STEEL POSTS (NU-GUARD-31)	LF	4,375.	18.00	78,750.00	21.50	94,062.50		
606.16200	STEEL BEAM GUARDRAIL, STEEL POSTS (TGS)	LF	1,425.	17.00	24,225.00	15.50	22,087.50		
606.16207	STEEL BEAM GUARDRAIL, 7' STEEL POSTS (TGS)	LF	2,800.	18.00	50,400.00	16.50	46,200.00		
606.169	FURNISH TGS BOLT ASSEMBLY	EA	200.	5.00	1,000.00	5.50	1,100.00		

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	A		B	
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
606.18001	31" W-BEAM GUARDRAIL W/ 8" OFFSET BLOCKS (STEEL POSTS)	LF	8,375.	18.00	150,750.00	16.00	134,000.00
606.312	SINGLE FACED TRANSITION RAIL, STEEL POSTS	U	4.	3,500.00	14,000.00	2,900.00	11,600.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	2,200.	5.15	11,330.00	7.25	15,950.00
615.024	RELOCATING TRAFFIC SIGN, TYPE B	U	3.	1,100.00	3,300.00	85.00	255.00
615.034	RELOCATING TRAFFIC SIGN, TYPE C	U	12.	185.00	2,220.00	85.00	1,020.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	1.	15,600.00	15,600.00	15,600.00	15,600.00
618.7	FLAGGERS	HR	1,600.	21.50	34,400.00	23.00	36,800.00
619.1	MAINTENANCE OF TRAFFIC PORTABLE CHANGEABLE	U	1.	31,000.00	31,000.00	15,500.00	15,500.00
619.253	MESSAGE SIGN (UNIT WEEK)	UWK	20.	187.50	3,750.00	200.00	4,000.00
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST						
621.2	LEVEL 3 RETROREFLECTIVE BEAM	U	1.	2,500.00	2,500.00	3,000.00	3,000.00
621.31	GUARDRAIL DELINEATOR SINGLE DELINEATOR WITH POST	EA	250.	3.00	750.00	3.80	950.00
628.2	SAWED BITUMINOUS PAVEMENT	EA	250.	25.00	6,250.00	32.00	8,000.00
645.3	EROSION STONE	LF	2,500.	.85	2,125.00	1.30	3,250.00
645.44	TEMPORARY SLOPE STABILIZATION TYPE D (WILDLIFE FRIENDLY)	TON	50.	30.00	1,500.00	36.00	1,800.00
645.531	SILT FENCE	SY	13,000.	1.75	22,750.00	1.50	19,500.00
645.7	STORM WATER POLLUTION PREVENTION PLAN	LF	15,200.	1.75	26,600.00	1.85	28,120.00
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	U	1.	2,000.00	2,000.00	3,100.00	3,100.00
646.4	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	HR	40.	50.00	2,000.00	155.00	6,200.00
692.	MOBILIZATION	A	3.	15,400.00	46,200.00	20,000.00	60,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	U	1.	37,703.00	37,703.00	32,000.00	32,000.00
1010.15	FUEL ADJUSTMENT	\$	1.	10,000.00	10,000.00	10,000.00	10,000.00
		\$	1.	20,000.00	20,000.00	20,000.00	20,000.00
				\$984,703.00		\$996,867.50	

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).

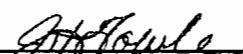
PRODUCER Davis Fowle Morrill & Everett 115 Airport Road P O Box 1260 Concord, NH 03302-1260	CONTACT NAME: PHONE (A/C, No, Ext): 603 225-6611		FAX (A/C, No): 603-225-7935
	E-MAIL ADDRESS:		
INSURED State of NH DOT C/O C.W. Sliter & Sons Inc. DBA CWS Fence & Guardrail 261 Franklin Highway Andover, NH 03216	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A : Acadia Insurance Co.		
	INSURER B :		
	INSURER C :		
	INSURER D :		
	INSURER E :		
INSURER F :			NAIC #

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 INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	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						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						<input type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Liability			OCP5107122	06/14/2013	06/14/2014	\$1,000,000/\$2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 OCP for NH DOT - Bartlett-Pinkhams Grant X-A000(062), 13857

CERTIFICATE HOLDER NH DOT PO Box 483 Concord, NH 03302	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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