

98 Bow



**THE STATE OF NEW HAMPSHIRE  
DEPARTMENT OF TRANSPORTATION**



**CHRISTOPHER D. CLEMENT, SR.  
COMMISSIONER**

**JEFF BRILLHART, P.E.  
ASSISTANT COMMISSIONER**

Bureau of Construction  
September 26, 2012

His Excellency, Governor John H. Lynch  
and the Honorable Council  
State House  
Concord, New Hampshire 03301

**REQUESTED ACTION**

1. Authorize the Department of Transportation to enter into a contract with Weaver Bros. Construction Co., Inc. (Vendor 154074) of Concord, NH on the basis of a low bid of \$1,915,786.72 for installation of median barrier at a number of locations on Interstate 89 from the Interstate 93 interchange in Bow and the Exit 5 interchange in Hopkinton, from the date of Governor and Council approval through August 23, 2013 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available as follows: FY 2013  
04-96-96-963515-3054  
Consolidated Federal Aid  
400-500870 Highway Contract Payments \$1,915,786.72

2. Further authorize that a contingency in the amount of \$95,789.34 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 2013  
04-96-96-963515-3054  
Consolidated Federal Aid  
400-500870 Highway Contract Payments \$95,789.34

**EXPLANATION**

This project is part of the annual Highway Safety Improvement program. The project involves installing median guardrail at specific locations where median widths are less than 50' wide. Current criteria is that protection should be considered for unprotected medians this width. This section of Interstate 89 was upgraded under multiple projects between 1991 & 1992. Currently this facility has minimal protection against median crossover events. The intent of this project is to upgrade user safety and provide guardrail upgrades in higher probability crossover areas. All of the proposed work will remain within the right-of-way.

The contingency amount is proposed to be 5% of the contract amount. This is a two-season duration contract, with fixed limits, being constructed during a time of rising fuel prices. Adjusting limits to offset quantity overruns is not practical and potential fuel and asphalt adjustments need to be considered. Construction under high traffic volumes, and temporary lane closure operations, also increase the risk of overruns for traffic control operations.

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 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,



Christopher D. Clement, Sr.  
Commissioner

CDC/md

Department Estimate: \$2,096,075.00  
Contract Amount: \$1,915,786.72  
Under Estimate: \$ 180,288.28

Attachments

**Bow-Hopkinton**

**X-A001 (242)**

**16321**

**June 25, 2012**

## **SUPPLEMENTAL PROJECT INFORMATION SHEET**

**DESCRIPTION:** This Highway Safety Improvement Project involves median barrier placement located on Interstate 89 begins approximately 100 feet west of the Interstate 93 overpass (Mile Marker (MM) 00.0) and extends northerly approximately 8.0 miles to an existing median crossover (MM 08.0). The project focuses on installing barrier protection systems along with replacing the existing noncompliant median guardrail. The project will also include expanding the current shoulder width by paving in an existing curbed grass median section (1600 feet), median bridge work at South Street (Br. No. 132/160), replacing or resetting the existing drainage, and re-grading median slopes.

**FEDERAL FUNDING:** Construction Funding from Highway Safety Improvement Program (HSIP #6767), with 90% federal funding anticipated utilizing Turnpike Toll credits as the State's 10% match.

**CONTINGENCY:** The contingency amount is proposed to be 5% for this contract. This is a two-season duration contract, with fixed limits, being constructed during a time of rising fuel prices. Adjusting limits to offset quantity overruns is not practical, and potential fuel and asphalt adjustments need to be considered. Construction under high traffic volumes, and temporary lane closure operations, also increase the risk of overruns for traffic control operations.

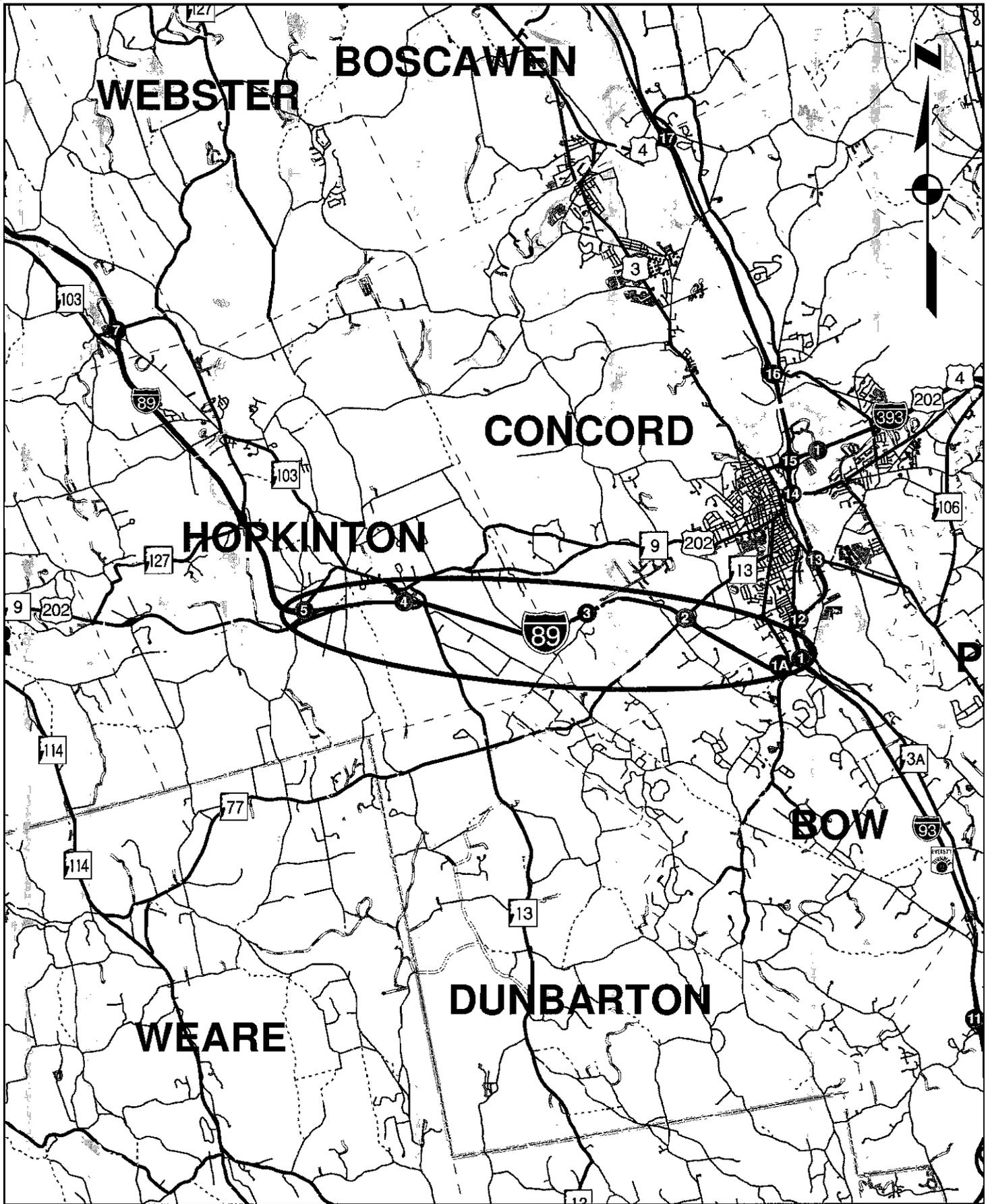
**PROJECT INITIATED:** State's 10-Year Transportation Improvement Program under the "parent" project HSIP (Highway Safety Improvement Program).

**PROJECT EXPLANATION:** This section of Interstate 89 was upgraded under multiple projects between 1991 & 1992, which addressed areas of concern. Currently this facility has minimal protection against median crossover events. The intent of this project is to upgrade user safety and provide guardrail upgrades in higher probability crossover areas. All of the proposed work will remain within the right-of-way.

**TRAFFIC IMPLICATIONS:** To promote safer working conditions within the construction zone, the legal posted speed will be reduced in work zones using automated trailer-mounted speed signs. The Department anticipates replacement of the guardrail along this corridor using traffic shifts (maintaining two-lanes of traffic), and is requiring that paving efforts within the shoulder will be completed utilizing lane closures with a traffic shift during off-peak daytime traffic periods. The proposed bridgework will maintain two-lane traffic at all times.

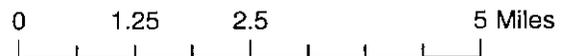
**COMPLETION DATE:** August 23, 2013

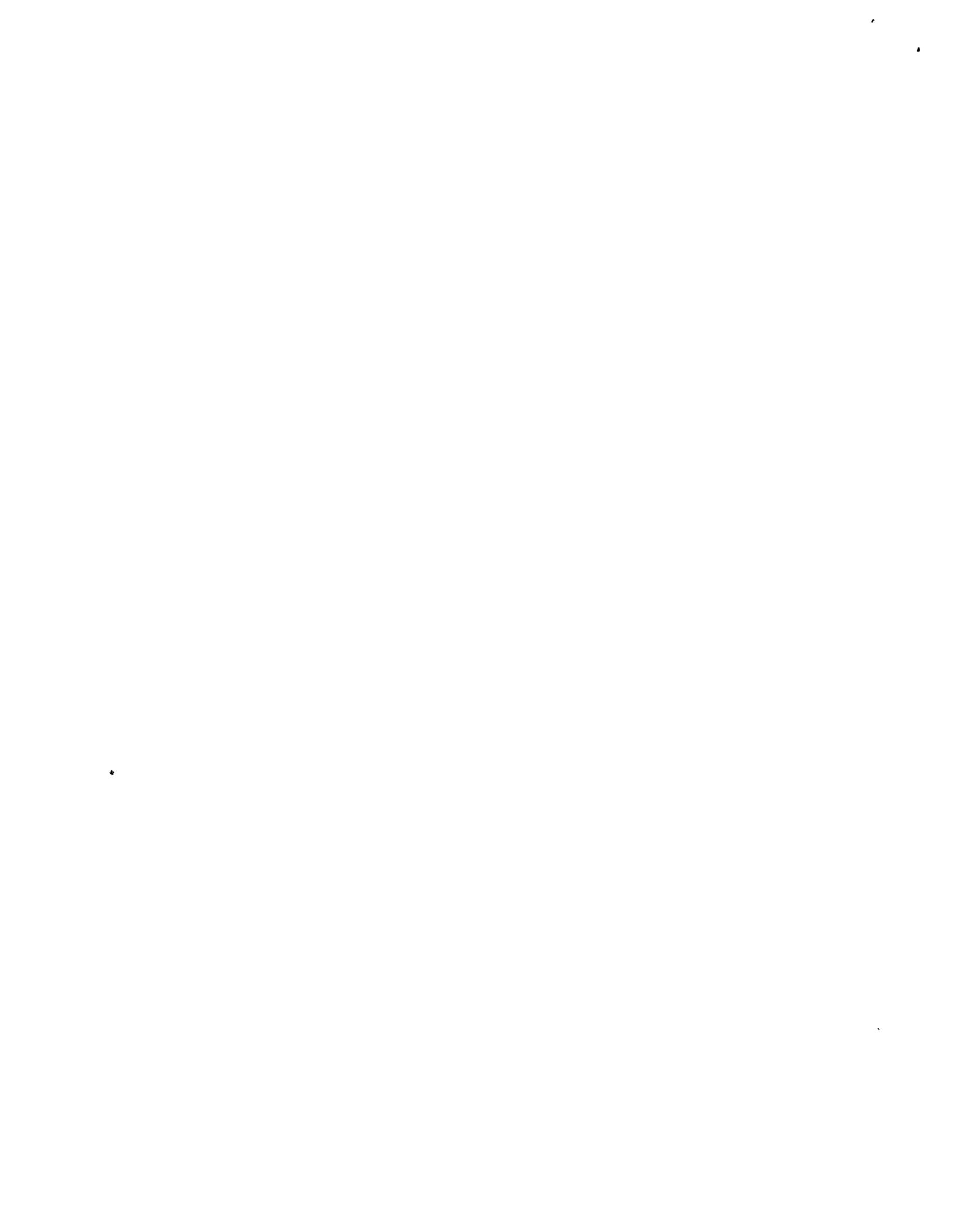




**BOW-HOPKINTON 16321 - X-A001(242)**

I-89, INSTALLATION OF BARRIER PROTECTION SYSTEM ALONG NARROW MEDIAN, MM 0 TO MM 8.0 [HSIP\*6767] (Highway Safety Improvement Program)





THE STATE OF NEW HAMPSHIRE  
DEPARTMENT OF TRANSPORTATION

PROJECT: BOW-HOPKINTON  
X-A001(242), 16321

COUNTIES AND CODES: MERRIMACK 013

DATE BIDS OPEN: SEPTEMBER 12, 2012

SCOPE OF WORK: MEDIAN BARRIER PLACEMENT

LOCATION: I-89 IN BOW-HOPKINTON

COMPLETION DATE: AUGUST 23, 2013

A WEAVER BROS. CONST. CO., INC.  
PO BOX 1326, CONCORD, NH 03302

B CONTINENTAL PAVING, INC.  
1 CONTINENTAL DRIVE, LONDONDERRY, NH 03053

C J.P. SICARD, INC.  
PO BOX 508, BARTON, VT 05822

D F.L.MERRILL CONSTRUCTION, INC.  
619 SAND RD., PEMBROKE, NH 03275

E NORTHEAST EARTH MECHANICS, INC.  
159 BARNSTEAD ROAD, PITTSFIELD, NH 03263

F R.S. AUDLEY, INC.  
609 ROUTE 3A, BOW, NH 03304

G CPM CONSTRUCTORS  
PO BOX B, FREEPORT, ME 04032

H NORTHERN CONSTRUCTION SERVICE, LLC  
775 PLEASANT STREET, UNIT 11, WEYMOUTH, MA 02189

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	A		B		C	
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
202.6	CURB REMOVAL FOR STORAGE	LF	3,250.	2.50	8,125.00	2.00	6,500.00	3.00	9,750.00
202.7	REMOVAL OF GUARDRAIL	LF	15,000.	.46	6,900.00	.75	11,250.00	1.00	15,000.00
202.74	REMOVAL OF CONCRETE BARRIER	LF	300.	7.25	2,175.00	10.00	3,000.00	17.00	5,100.00
203.1	COMMON EXCAVATION	CY	12,300.	4.75	58,425.00	10.00	123,000.00	9.00	110,700.00
203.5554	GUARDRAIL 50' EAGRT PLATFORM	U	8.	1,100.00	8,800.00	1,200.00	9,600.00	1,500.00	12,000.00
203.5596	GUARDRAIL E-2 PLATFORM	LF	302.	16.00	4,832.00	15.00	4,530.00	10.00	3,020.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	20.	50.00	1,000.00	50.00	1,000.00	21.00	420.00
304.201	GRAVEL	CY	15,600.	14.50	226,200.00	18.00	280,800.00	11.50	179,400.00
304.301	CRUSHED GRAVEL	CY	640.	20.75	13,280.00	25.00	16,000.00	30.00	19,200.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	240.	25.00	6,000.00	18.00	4,320.00	40.00	9,600.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	240.	96.00	23,040.00	95.00	22,800.00	99.00	23,760.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	300.	112.00	33,600.00	110.00	33,000.00	109.00	32,700.00
403.6	PAVEMENT JOINT ADHESIVE	LF	9,000.	1.25	11,250.00	.50	4,500.00	.25	2,250.00

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	A		B		C	
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
417.	COLD PLANING BITUMINOUS SURFACES	SY	1,400.	5.10	7,140.00	5.00	7,000.00	15.00	21,000.00
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.	10,500.00	10,500.00	20,000.00	20,000.00	9,800.00	9,800.00
520.01	CONCRETE CLASS AA	CY	7.	1,350.00	9,450.00	650.00	4,550.00	717.00	5,019.00
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	SY	72.	46.60	3,355.20	45.00	3,240.00	47.00	3,384.00
544.	REINFORCING STEEL (F)	LB	438.	4.10	1,795.80	4.00	1,752.00	2.00	876.00
603.00212	12" R.C. PIPE, 2000D	LF	32.	69.45	2,222.40	75.00	2,400.00	97.00	3,104.00
604.0007	POLYETHYLENE LINER	EA	4.	170.00	680.00	125.00	500.00	176.00	704.00
604.12	CATCH BASINS TYPE B	U	4.	1,800.00	7,200.00	2,200.00	8,800.00	3,475.00	13,900.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	85.	350.00	29,750.00	350.00	29,750.00	445.00	37,825.00
604.40092	MODIFY EXISTING BARREL BLOCK CATCH BASINS W/ ECCENTRIC CONE	U	10.	1,000.00	10,000.00	600.00	6,000.00	2,072.00	20,720.00
606.0157	FURNISH STEEL POSTS, (NU-GUARD) 6'-6"	EA	255.	33.66	8,583.30	33.00	8,415.00	49.00	12,495.00
606.120	BEAM GUARDRAIL (STANDARD SECTION) (STEEL POST)	LF	4,300.	16.32	70,176.00	16.00	68,800.00	17.00	73,100.00
606.1254	BEAM GUARDRAIL (TERM. UNIT TYPE EAGRT 50 FT)	U	8.	1,963.50	15,708.00	1,925.00	15,400.00	1,835.00	14,680.00
606.1257	MEDIAN IMPACT ATTENUATOR (XTENSION)	U	6.	9,700.00	58,200.00	9,510.00	57,060.00	9,305.00	55,830.00
606.1258	NU-GUARD TRANSITION SEGMENT	LF	300.	60.18	18,054.00	59.00	17,700.00	26.00	7,800.00
606.1296	BEAM GUARDRAIL (TERM. UNIT TYPE E-2) (STEEL POST)	LF	302.	28.56	8,625.12	28.00	8,456.00	30.00	9,060.00
606.147	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2)	U	25.	484.50	12,112.50	475.00	11,875.00	418.00	10,450.00
606.15808	STEEL BEAM GUARDRAIL, STEEL POSTS (NU-GUARD)	LF	3,075.	16.32	50,184.00	16.00	49,200.00	18.00	55,350.00
606.16200	STEEL BEAM GUARDRAIL, STEEL POSTS (MINI-SPACER)	LF	1,700.	18.87	32,079.00	18.50	31,450.00	20.00	34,000.00
606.169	FURNISH GREGORY MINI-SPACER BOLT ASSEMBLY	EA	220.	11.73	2,580.60	12.00	2,640.00	18.00	3,960.00
606.25808	DOUBLE-FACED STEEL BEAM GUARDRAIL, STEEL POSTS (NU-GUARD)	LF	12,800.	22.44	287,232.00	22.00	281,600.00	24.00	307,200.00
606.26200	DOUBLE-FACED STEEL BEAM GUARDRAIL, STEEL POSTS (MINI-SPACER)	LF	5,800.	24.38	141,404.00	24.00	139,200.00	28.00	162,400.00
606.26260	MINI-SPACER TRANSITION SEGMENT	LF	75.	61.20	4,590.00	60.00	4,500.00	40.00	3,000.00
606.312	SINGLE FACED TRANSITION RAIL, STEEL POSTS	U	8.	2,500.00	20,000.00	2,450.00	19,600.00	2,515.00	20,120.00
606.322	DOUBLE FACED TRANSITION RAIL, STEEL POST	U	12.	4,175.00	50,100.00	4,090.00	49,080.00	3,590.00	43,080.00



ITEM NO.	DESCRIPTION	UNIT	QUANTITY	A		B		C	
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1010.15	FUEL ADJUSTMENT	\$	1.	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
					\$1,915,786.72		\$2,064,148.00		\$2,174,336.50



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
9/14/2012

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. 139 Loudon Road 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>E-MAIL ADDRESS:</b> dbickford@rowleyagency.com	<b>FAX (A/C No.):</b> (603) 224-8012
	<b>INSURER(S) AFFORDING COVERAGE</b>	
	<b>INSURER A:</b> Firemen's Ins Co of Wash. DC	<b>NAIC #</b> 21784
	<b>INSURER B:</b> Acadia Insurance Company	
	<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	ADD'L SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR		CPA150086022	4/1/2012	4/1/2013	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 250,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC					
A	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS	<input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	CAA150086122	4/1/2012	4/1/2013	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Medical payments \$ 5,000
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE		CUA014456017	4/1/2012	4/1/2013	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
	<input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 0					
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	WCA150086320	4/1/2012	4/1/2013	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
	3A STATES: NH NO EXCLUDED OFFICERS					
B	<b>LEASED/RENTED EQUIPMENT</b> <b>MOTOR TRUCK CARGO</b>		CIM006660621	4/1/2012	4/1/2013	LIMIT: \$500,000 DED.: \$1,000 LIMIT: \$250,000 DED.: \$1,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
 Project: Bow-Hopkinton X-X001(242), 16321 - Meridan Barrier Placement on I-89  
 The State of NH-Dept. of Transportation is included as additional insureds on all liability policies except workers compensation when required by written contract with the named insured.

<b>CERTIFICATE HOLDER</b> 271-3461 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. AUTHORIZED REPRESENTATIVE Donna Bickford/DTB <i>Donna L. Bickford</i>
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