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



**GEORGE N. CAMPBELL, JR.**  
**COMMISSIONER**

Bureau of Construction  
March 19, 2009



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

APR 01 2009

2-1

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

**NH RECOVERY**  
putting new Hampshire to work

**REQUESTED ACTION**

1. Authorize the Department of Transportation to enter into a contract (#866173) with Pike Industries, Inc., (Vendor 20159) of Belmont, NH on the basis of a low bid of \$6,224,047.25 for pavement rehabilitation of I-89 northbound and southbound in the Towns of New London, Sunapee, Springfield, and Grantham between Exits 11 and 12, from the date of Governor and Council approval through August 27, 2010 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Stimulus Funds.

Funding is available as follows:	<u>FY 2009</u>
015-096-0878-400-5590	\$6,224,047.25
American Recovery and Reinvestment Act (ARRA)	

2. Further authorize that a contingency in the amount of \$311,202.36 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 and is reasonable for projects of this type.

Contingency Funding is available as follows:	<u>FY 2009</u>
015-096-0878-400-5590	\$311,202.36
American Recovery and Reinvestment Act (ARRA)	

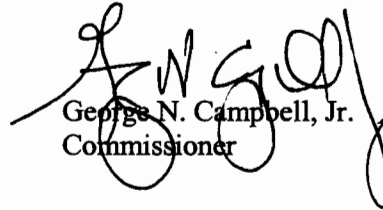
**EXPLANATION**

This is an economic stimulus project as part of the highway and bridge infrastructure investment grants under the American Recovery and Reinvestment Act (ARRA). This project is part of the Interstate Pavement Preservation Program (IPPP), which maintains and preserves the riding surface and extends the service life of the Interstate System. The project involves pavement inlay and overlay of approximately 5 miles of I-89. The project also involves minor bridge rehabilitation/preservation work to 9 bridges within the area and guardrail replacement.

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. All of the guidelines and requirements of ARRA have been met and FHWA has authorized these funds. 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.

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,



George N. Campbell, Jr.  
Commissioner

GNC/md

Department Estimate: \$6,894,496.60  
Contract Amount: \$6,224,047.25  
Under Estimate: \$ 670,449.35

NEW LONDON

X-A000(846)

15652

## SUPPLEMENTAL PROJECT INFORMATION SHEET

**DESCRIPTION:** This project involves pavement rehabilitation of I-89 northbound and southbound in the Towns of New London, Sunapee, Springfield and Grantham between Exits 11 and 12 beginning at approximately Mile Marker 31.3 and proceeding North approximately 5 miles to Mile Marker 36.3. Ramp work will also be performed at Exits 12A and 13. The roadway work includes inlaying and overlaying the pavement on the traveled lanes, shoulders, acceleration lanes, deceleration lanes and ramps; and bridge approach and departure work.

The bridge work includes pavement and membrane removal and replacement, partial and full depth repairs to bridge decks, steel expansion joint repair and/or replacement as needed, concrete repairs to brush curbs and abutment backwalls as required for joint work, and installation of elastomeric plug joints as appropriate. There are nine bridges involved requiring some or all of the above-noted work.

**FEDERAL FUNDING:** 100% American Recovery and Reinvestment Act (ARRA)

**PROJECT INITIATED:** State's 10-Year Transportation Improvement Plan

**PROJECT NEED:** The project is a part of the Interstate Pavement Preservation Program (IPPP), which maintains and preserves the riding surface of the Interstate System.

**TRAFFIC IMPLICATIONS:** Lane closures will be allowed during daytime work hours. Permanent lane closures with the use of portable concrete barrier and temporary lighting are required to complete the bridgework.

**INTERMEDIATE COMPLETION DATE:** For ramp work associated with Exit 12A and 13 is Friday, July 10, 2009

**COMPLETION DATE:** Friday, August 27, 2010



NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION  
 BUREAU OF HIGHWAY DESIGN

DGN	SHEET NO.
LOCMAP	1
STATE PROJECT NO.	TOTAL SHEETS
15652	45

THE STATE OF NEW HAMPSHIRE  
DEPARTMENT OF TRANSPORTATION

PROJECT: NEW LONDON  
X-A000(846), 15652

COUNTIES AND CODES: MERRIMACK 013

DATE BIDS OPEN: MARCH 17, 2009

SCOPE OF WORK: ROADWAY AND BRIDGE  
RECONSTRUCTION

LOCATION: I-89 NORTHBOUND AND SOUTHBOUND  
IN THE TOWNS OF NEW LONDON,  
SUNAPEE, SPRINGFIELD AND  
GRANTHAM

COMPLETION DATE: AUGUST 27, 2010

A PIKE INDUSTRIES, INC.  
3 EASTGATE PARK ROAD, BELMONT, NH 03220 \$ 6,224,047.25

B CONTINENTAL PAVING INC.  
ONE CONTINENTAL DR., LONDONDERRY, NH 03053 \$ 6,336,741.75

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	A			B		
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
202.7	REMOVAL OF GUARDRAIL (F)	LF	42,625.	1.20	51,150.00	1.65	70,331.25		
203.5554	GUARDRAIL 50' EAGRT PLATFORM	U	5.	1,010.00	5,050.00	1,000.00	5,000.00		
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	9,000.	14.00	126,000.00	22.00	198,000.00		
304.355	CRUSHED GRAVEL, 55% WEAR (F)	CY	35.	37.00	1,295.00	30.00	1,050.00		
403.11001	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/OA TIER 1)	TON	24,580.	75.00	1,843,500.00	78.00	1,917,240.00		
403.11002	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/OA TIER 2)	TON	3,100.	80.00	248,000.00	78.00	241,800.00		
403.1109	HOT BITUMINOUS PAVEMENT, MACHINE METHOD, HIGH STRENGTH	TON	900.	98.00	88,200.00	90.00	81,000.00		
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	147.	150.00	22,050.00	125.00	18,375.00		
403.6	PAVEMENT JOINT ADHESIVE	LF	121,700.	.26	31,642.00	.30	36,510.00		
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE (F)	TON	219.	275.00	60,225.00	125.00	27,375.00		
411.1	HOT BITUMINOUS CONCRETE LEVELING COURSE	TON	3,000.	78.00	234,000.00	80.00	240,000.00		
417.	COLD PLANING BITUMINOUS SURFACES	SY	141,000.	2.50	352,500.00	2.30	324,300.00		
417.51	COLD PLANING EXISTING RUMBLE STRIPS (F)	LF	21,519.	.50	10,759.50	.50	10,759.50		

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	A			B		
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
502.101	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.	16,100.00	16,100.00	29,500.00	29,500.00		
502.102	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.	24,100.00	24,100.00	29,500.00	29,500.00		
502.104	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.	16,100.00	16,100.00	29,500.00	29,500.00		
502.105	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.	24,100.00	24,100.00	29,500.00	29,500.00		
502.106	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.	16,100.00	16,100.00	29,500.00	29,500.00		
502.107	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.	24,100.00	24,100.00	29,500.00	29,500.00		
502.108	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.	21,100.00	21,100.00	29,500.00	29,500.00		
502.109	REMOVAL OF EXISTING BRIDGE STRUCTURE	U	1.	28,100.00	28,100.00	29,500.00	29,500.00		
504.1	COMMON BRIDGE EXCAVATION (F)	CY	51.	31.50	1,606.50	50.00	2,550.00		
511.0001	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	783.	11.00	8,613.00	10.00	7,830.00		
511.0002	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	803.	11.00	8,833.00	10.00	8,030.00		
511.0003	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	224.	11.00	2,464.00	12.00	2,688.00		
511.0004	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	290.	11.00	3,190.00	12.00	3,480.00		
511.0005	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	290.	11.00	3,190.00	12.00	3,480.00		
511.0006	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	354.	11.00	3,894.00	12.00	4,248.00		
511.0007	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	354.	11.00	3,894.00	12.00	4,248.00		
511.0008	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	398.	11.00	4,378.00	12.00	4,776.00		
511.0009	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	SY	317.	11.00	3,487.00	12.00	3,804.00		
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	395.	251.00	99,145.00	260.00	102,700.00		
511.03	PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS	SY	254.	552.00	140,208.00	450.00	114,300.00		
512.0101	PREPARATION FOR CONCRETE REPAIRS, CLASS I	SY	20.	301.00	6,020.00	600.00	12,000.00		
512.0201	PREPARATION FOR CONCRETE REPAIRS, CLASS II	SY	40.	602.00	24,080.00	750.00	30,000.00		
520.01	CONCRETE CLASS AA	CY	47.	703.00	33,041.00	550.00	25,850.00		
520.02	CONCRETE CLASS AA, ABOVE FOOTINGS	CY	92.	803.00	73,876.00	1,200.00	110,400.00		
534.1	WATER REPELLENT (LINSEED OIL)	GAL	67.	15.00	1,005.00	100.00	6,700.00		

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	A		B		TOTAL
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	
534.3	WATER REPELLENT (SILANE-SILOXANE)	GAL	13.	35.00	455.00	100.00	1,300.00	
538.2	BARRIER MEMBRANE,							
538.6	VERTICAL SURFACES (F)	SY	76.	40.00	3,040.00	45.00	3,420.00	
	BARRIER MEMBRANE, WELDED BY TORCH, MACHINE METHOD (F)	SY	3,788.	30.00	113,640.00	23.00	87,124.00	
559.41	MODIFIED ELASTOMERIC PLUG TYPE EXPANSION JOINT, 6" WIDE (F)	LF	96.	54.00	5,184.00	54.00	5,184.00	
559.412	MODIFIED ELASTOMERIC PLUG TYPE EXPANSION JOINT, 20" WIDE (F)	LF	359.	78.50	28,181.50	80.00	28,720.00	
560.201	PREFABRICATED COMPRESSION SEAL EXPANSION JOINT, REHABILITATION (F)	LF	299.	141.00	42,159.00	120.00	35,880.00	
561.1121	PREFABRICATED EXPANSION JOINT, TYPE A REHABILITATION (F)	LF	116.	90.50	10,498.00	65.00	7,540.00	
565.801	RESETTING BRIDGE APPROACH RAIL	LF	1,500.	8.90	13,350.00	8.00	12,000.00	
604.0007	POLYETHYLENE LINER	EA	145.	225.00	32,625.00	140.00	20,300.00	
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	210.	250.00	52,500.00	325.00	68,250.00	
604.72	GRATES & FRAMES, TYPE B	EA	95.	475.00	45,125.00	275.00	26,125.00	
604.76	GRATES & FRAMES, TYPE F	EA	50.	575.00	28,750.00	350.00	17,500.00	
606.120	BEAM GUARDRAIL (STANDARD SECTION-STEEL POST)	LF	41,200.	14.50	597,400.00	14.25	587,100.00	
606.1454	BEAM GUARDRAIL (TERM. UNIT TYPE EAGRT 50 FT.)	U	30.	1,980.00	59,400.00	1,850.00	55,500.00	
606.147	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2)	U	30.	420.00	12,600.00	500.00	15,000.00	
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	3,700.	25.00	92,500.00	15.00	55,500.00	
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE) TEST LEVEL 3	U	5.	5,700.00	28,500.00	8,000.00	40,000.00	
608.28	8" CONCRETE SIDEWALK (F)	SY	54.	48.00	2,592.00	60.00	3,240.00	
609.5	RESET GRANITE CURB	LF	475.	16.50	7,837.50	10.00	4,750.00	
609.55	RESET GRANITE CURB (BRIDGE)	LF	216.	55.00	11,880.00	85.00	18,360.00	
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	400.	10.00	4,000.00	4.50	1,800.00	
616.95	INSTALL TRAFFIC STUDY EQUIPMENT	U	1.	4,580.00	4,580.00	5,000.00	5,000.00	
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	1.	200,000.00	200,000.00	200,000.00	200,000.00	
618.7	FLAGGERS	HR	4,200.	18.00	75,600.00	23.00	96,600.00	
619.1	MAINTENANCE OF TRAFFIC PORTABLE CHANGEABLE	U	1.	121,500.00	121,500.00	150,000.00	150,000.00	
619.253	MESSAGE SIGN (UNIT WEEK)	UMK	20.	301.00	6,020.00	300.00	6,000.00	

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	A		B		TOTAL
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	
621.2	RETROREFLECTIVE BEAM	EA	470.	4.30	2,021.00	4.00	1,880.00	
621.31	GUARDRAIL DELINEATOR	EA	575.	28.00	16,100.00	28.00	16,100.00	
621.32	SINGLE DELINEATOR WITH POST	EA	50.	38.00	1,900.00	32.00	1,600.00	
628.2	DOUBLE DELINEATOR WITH POST	LF	2,500.	.95	2,375.00	1.00	2,500.00	
628.22	SAWED BITUMINOUS PAVEMENT (BRIDGE)	LF	415.	.95	394.25	2.00	830.00	
632.0106	RETROREFLECTIVE PAINT	LF	464,000.	.11	51,040.00	.11	51,040.00	
632.0112	PAVE. MARKING, 6" LINE	LF	14,300.	.18	2,574.00	.18	2,574.00	
632.0118	RETROREFLECTIVE PAINT	LF	500.	1.50	750.00	1.50	750.00	
632.3112	PAVE. MARKING, 12" LINE	LF	7,200.	1.50	10,800.00	1.50	10,800.00	
632.3118	RETROREFLECT. THERMOPLAS.	LF	250.	3.00	750.00	3.00	750.00	
632.9112	RETROREFLECT. THERMOPLAS.	LF	18,500.	.60	11,100.00	.60	11,100.00	
645.531	PAVE. MARKING, 18" LINE	LF	500.	2.00	1,000.00	3.00	1,500.00	
646.3	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	A	16.	1,630.00	26,080.00	1,700.00	27,200.00	
647.1	HUMUS	CY	7,500.	20.00	150,000.00	16.00	120,000.00	
670.104	TEMPORARY PORTABLE LIGHTING	U	5.	1,510.00	7,550.00	500.00	2,500.00	
692.	MOBILIZATION	U	1.	290,000.00	290,000.00	275,000.00	275,000.00	
693.	ON-THE-JOB TRAINING OF UNSKILLED WORKERS	\$	1.	600.00	600.00	600.00	600.00	
698.14	FIELD OFFICE TYPE D	MON	19.	1,000.00	19,000.00	2,000.00	38,000.00	
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	1.	10,000.00	10,000.00	10,000.00	10,000.00	
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED	\$	1.	100,000.00	100,000.00	100,000.00	100,000.00	
1010.15	FUEL ADJUSTMENT	\$	1.	70,000.00	70,000.00	70,000.00	70,000.00	
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	1.	75,000.00	75,000.00	75,000.00	75,000.00	
1010.3	QUALITY CONTROL	\$	1.	110,000.00	110,000.00	110,000.00	110,000.00	
	QUALITY ASSURANCE (QC/QA) ASPHALT	\$	1.	110,000.00	110,000.00	110,000.00	110,000.00	

\$6,224,047.25

\$6,336,741.75