



*Victoria F. Sheehan*  
Commissioner

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



*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  
April 20, 2021

**REQUESTED ACTION**

Authorize the Department of Transportation to enter into a contract with Pike Industries, Inc. of Belmont, NH (Vendor 177300), on the basis of a low bid of \$6,175,808.13, for pavement rehabilitation and preservation on 14 miles of NH 101 in Milford and Amherst, from the date of Governor and Council approval through September 9, 2022, unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funding is available in State Fiscal Year 2021, and is contingent upon the availability and continued appropriation of funds in Fiscal Years 2022 and 2023 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 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>
04-96-96-963515-3054 Consolidated Federal Aid			
400-500870 Highway Contract Payments	\$1,787,733.98	\$3,510,459.48	\$877,614.67

**EXPLANATION**

This project is part of the State's Ten Year Transportation Improvement Plan. This project consists of pavement rehabilitation and preservation on three (3) sections of NH 101 in Milford and Amherst, totaling 14.4 centerline miles.

- 22501A – Milford, NH 101, 7½” full-width inlay: 6” HBP Binder in two equal lifts, 1½” HS HBP, 0.4 miles
- 22502 – Milford-Amherst, NH 101 including acceleration and deceleration areas, 2” full-width overlay: ½” leveling course, 1½” HS HBP (10.1 miles), 3” full-width inlay: 1½” HS Binder, 1½” HS HBP (0.1 miles), 10.2 miles
- 22502A – Milford-Amherst, NH 101 including all NH 13, NH 101A, NH 122 (S), and NH 122 (N) Ramps, Spot Inlays: 2 miles of 2” deep by 13’ wide, NH 13 Ramps: 2” full-width overlay: ½” leveling course, 1½” HS HBP (1.0 mile) NH 101A Ramps: 1½” HS HBP full-width overlay (1.3 mile), NH 122 (S) & NH 122 (N) Ramps: ¾” Paver Shim full-width overlay (1.5 miles), 3.8 miles

This project is part of the CY 2021 Federal Tier 2 Resurfacing Program. Mainline NH 101 will be deep milled and filled with Binder and High Strength (HS) wearing course (Section 22501A) and resurfaced via leveling and HS wearing course (Section 22502). The ramps (Section 22502A) will be resurfaced via

leveling and HS wearing course (NH 13 ramps), HS wearing course (NH 101A ramps), and paver shim (NH 122 south and north ramps). Additional work includes 7,369' of guardrail upgrades, centerline rumble strip reinstallation, relaying 16' of 48" RCP, drainage structure adjustments, and sign replacement.

Although the bid costs exceeded the Department's estimate by 3.18%, the low bid of three bids received is felt to be reasonable for the work involved. Three items of significance (Maintenance of Traffic, Mobilization, and HBC Leveling Course) contributed to 100% of the overage. 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.

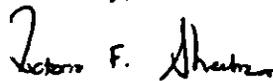
The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General as to form and execution, and the Department has certified that the necessary funds are available and the bid reasonably conforms to the engineer's estimate in accordance with State procedure. 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: 80% Federal (Pave-T1-Resurf), with anticipated utilization of Turnpike Toll Credits for the State's 20% 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: \$5,985,531.19  
Contract Amount: \$6,175,808.13  
Over Estimate: \$ 190,276.94  
Attachments



# ABC Bid Data

MILFORD-AMHERST  
43031  
X-A005(016)

PROJECT: MILFORD-AMHERST  
STATE PROJECT NUMBER: 43031  
FED. PROJECT NUMBER: X-A005(016)  
DATE BIDS OPEN: March 25, 2021, 2:00  
SCOPE OF WORK: Reclaiming and resurfacing NH 101.  
COMPLETION DATE: September 09, 2022  
LOCATION: Hillsborough

Awarded To: PIKE INDUSTRIES, INC.  
3 EASTGATE PARK ROAD  
BELMONT, NH 03220

Amount: \$6,175,808.13  
Award Date:

Certified by: PETER.E.STAMNAS  
Director of Project Development

## Summary of Bidders

Contractor	Bid Amount	Rank
PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD, BELMONT NH 03220	\$6,175,808.13	A
CONTINENTAL PAVING INC 1 CONTINENTAL DRIVE, LONDONDERRY NH 03053	\$6,222,525.88	B
BROX INDUSTRIES, INC. 1471 METHUEN STREET, DRACUT MA 01826	\$6,551,779.06	C

Item No.	Description	Unit	Quantity	P&E		PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220		CONTINENTAL PAVING INC 1 CONTINENTAL DRIVE LONDONDERRY, NH 03053	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

Items

201.21	REMOVING SMALL TREES	EA	10.00	\$850.00	\$8,500.00	\$250.00	\$2,500.00	\$500.00	\$5,000.00
202.7	REMOVAL OF GUARDRAIL	LF	5,383.60	\$3.25	\$17,496.38	\$1.10	\$5,921.85	\$1.10	\$5,921.85
202.851	REMOVAL OF FLASHING BEACON	U	2.00	\$2,750.00	\$5,500.00	\$1,500.00	\$3,000.00	\$1,650.00	\$3,300.00
203.1	COMMON EXCAVATION	CY	8.00	\$85.00	\$680.00	\$200.00	\$1,600.00	\$100.00	\$800.00
203.2	ROCK EXCAVATION	CY	234.00	\$75.00	\$17,550.00	\$90.00	\$21,060.00	\$75.00	\$17,550.00
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	76.00	\$33.00	\$2,475.00	\$35.00	\$2,625.00	\$85.00	\$6,375.00
203.5561	EAGRT PLATFORM PREFERRED	U	7.00	\$1,750.00	\$12,250.00	\$1,250.00	\$8,750.00	\$1,800.00	\$12,600.00
209.3	GRANULAR BACKFILL (SAND)	CY	3.60	\$25.00	\$90.00	\$125.00	\$450.00	\$100.00	\$360.00
304.301	CRUSHED GRAVEL	CY	201.00	\$60.00	\$12,060.00	\$40.00	\$8,040.00	\$50.00	\$10,050.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	2,683.40	\$27.00	\$69,751.80	\$34.00	\$87,835.60	\$22.00	\$56,834.80
403.11022	HBP-BINDER, MM, QC/QA TIER 2	TON	3,290.30	\$88.00	\$289,546.40	\$70.00	\$230,321.00	\$85.00	\$279,675.50
403.11033	HBP-WINTER BINDER, MM	TON	1,738.90	\$115.00	\$199,973.50	\$75.00	\$130,417.50	\$85.00	\$147,806.50
403.11921	HBP-BINDER, MM, HIGH STRENGTH, QC/QA TIER 1	TON	247.70	\$91.17	\$22,582.81	\$100.00	\$24,770.00	\$85.00	\$21,054.50
403.11951	HBP-3/8" WEARING, MM, HIGH STRENGTH, QC/QA TIER 1	TON	22,176.30	\$83.00	\$1,840,632.90	\$80.00	\$1,774,104.00	\$90.00	\$1,995,867.00
403.11952	HBP-3/8" WEARING, MM, HIGH STRENGTH, QC/QA TIER 2	TON	2,834.30	\$83.00	\$235,246.90	\$90.00	\$255,087.00	\$90.00	\$255,087.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	59.20	\$160.00	\$9,472.00	\$150.00	\$8,880.00	\$150.00	\$8,880.00
403.16	PAVEMENT JOINT ADHESIVE	LF	263,894.00	\$0.27	\$71,251.38	\$0.28	\$73,890.32	\$0.23	\$60,695.62
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	36,241.80	\$2.50	\$90,604.50	\$3.00	\$108,725.40	\$2.00	\$72,483.60
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	21,048.00	\$3.20	\$67,353.60	\$3.85	\$81,034.80	\$3.50	\$73,668.00
411.1	HOT BITUMINOUS CONCRETE LEVELING COURSE	TON	7,693.20	\$74.00	\$569,296.80	\$85.00	\$653,922.00	\$85.00	\$653,922.00
411.3	PLANT MIX SURFACE TREATMENT (ASPHALT CEMENT), PAVER SHIM	TON	925.90	\$90.00	\$83,331.00	\$90.00	\$83,331.00	\$85.00	\$78,701.50
417.	COLD PLANING BITUMINOUS SURFACES	SY	103,664.00	\$2.63	\$272,373.32	\$2.10	\$217,484.40	\$2.50	\$258,910.00
417.412	RUMBLE STRIPS, 12" WIDE	LF	24,967.00	\$0.37	\$9,237.79	\$0.55	\$13,731.85	\$0.40	\$9,986.80
417.4122	RUMBLE STRIPS, 12" WIDE (SINUSOIDAL)	LF	19,620.00	\$0.50	\$9,760.00	\$0.60	\$11,712.00	\$0.40	\$7,808.00



# ABC Bid Data

MILFORD-AMHERST

43031

X-A005(016)

Item No.	Description	Unit	Quantity	P&E		PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220		CONTINENTAL PAVING INC 1 CONTINENTAL DRIVE LONDONDERRY, NH 03053	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	44,488.00	\$2.00	\$88,972.00	\$2.00	\$88,972.00	\$1.80	\$80,074.80
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	458.00	\$98.00	\$44,884.00	\$110.00	\$50,380.00	\$109.25	\$50,036.50
585.3	STONE FILL, CLASS C	CY	3.00	\$250.00	\$750.00	\$225.00	\$675.00	\$500.00	\$1,500.00
603.60048	LAYING/RELAYING 48" DRAINAGE PIPE	LF	16.00	\$400.00	\$6,400.00	\$900.00	\$14,400.00	\$300.00	\$4,800.00
604.0007	POLYETHYLENE LINER	EA	101.00	\$130.00	\$13,130.00	\$125.00	\$12,625.00	\$135.00	\$13,635.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	220.00	\$425.00	\$93,500.00	\$450.00	\$99,000.00	\$450.00	\$99,000.00
604.52	RECONSTRUCTING/ADJUSTING DRAINAGE MANHOLES	LF	1.00	\$500.00	\$500.00	\$450.00	\$450.00	\$500.00	\$500.00
604.72	GRATES & FRAMES, TYPE B	EA	63.00	\$575.00	\$36,225.00	\$600.00	\$37,800.00	\$850.00	\$53,550.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	47.00	\$3,450.00	\$162,150.00	\$3,500.00	\$164,500.00	\$3,500.00	\$164,500.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	2,612.50	\$25.00	\$65,312.50	\$24.90	\$65,051.25	\$25.00	\$65,312.50
606.34202	SINGLE FACED ASYMMETRICAL TRANSITION RAIL, RIGHT (STEEL POST)	U	1.00	\$1,000.00	\$1,000.00	\$750.00	\$750.00	\$750.00	\$750.00
606.91	RESETTING OR SETTING GUARDRAIL	LF	1,787.50	\$16.50	\$29,493.75	\$17.00	\$30,387.50	\$17.50	\$31,281.25
606.91254	RESETTING TERMINAL UNIT (TYPE TL 3 EAGRT) (STEEL POST)	U	2.00	\$1,200.00	\$2,400.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00
606.9127	RESETTING TERMINAL UNIT (TYPE G-2)(STEEL POST)	U	3.00	\$260.00	\$780.00	\$650.00	\$1,950.00	\$650.00	\$1,950.00
608.2801	8" CONCRETE SIDEWALK	SY	244.00	\$50.00	\$12,200.00	\$125.00	\$30,500.00	\$75.00	\$18,300.00
609.5	RESET GRANITE CURB	LF	2,663.00	\$28.00	\$74,564.00	\$17.00	\$45,271.00	\$13.00	\$34,619.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	1,195.00	\$8.00	\$9,560.00	\$8.00	\$9,560.00	\$5.00	\$5,975.00
615.0301	TRAFFIC SIGN TYPE C	SF	48.60	\$47.00	\$2,279.50	\$40.00	\$1,940.00	\$81.80	\$3,967.30
615.03201	TRAFFIC SIGN TYPE C, BREAKAWAY MOUNTS	SF	42.67	\$140.00	\$5,973.80	\$150.00	\$6,400.50	\$146.25	\$6,240.49
615.0401	TRAFFIC SIGN TYPE AA	SF	2,322.00	\$25.00	\$58,050.00	\$26.00	\$60,372.00	\$28.00	\$65,016.00
615.0501	TRAFFIC SIGN TYPE BB	SF	224.33	\$20.00	\$4,486.60	\$45.00	\$10,094.85	\$26.20	\$5,877.45
615.0601	TRAFFIC SIGN TYPE CC	SF	679.48	\$14.00	\$9,512.72	\$22.00	\$14,948.56	\$14.00	\$9,512.72
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	90,000.00	\$1.00	\$90,000.00	\$1.00	\$90,000.00	\$1.00	\$90,000.00
618.7	FLAGGERS	HR	3,240.00	\$39.50	\$127,980.00	\$38.00	\$123,120.00	\$42.00	\$136,080.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$241,851.63	\$241,851.63	\$400,000.00	\$400,000.00	\$250,000.00	\$250,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$3,500.00	\$7,000.00	\$5,500.00	\$11,000.00	\$3,500.00	\$7,000.00



# ABC Bid Data

MILFORD-AMHERST

43031

X-A005(016)

Item No.	Description	Unit	Quantity	P&E		PIKE INDUSTRIES, INC. 3 EASTDATE PARK ROAD BELMONT, NH 03229		CONTINENTAL PAVING INC 1 CONTINENTAL DRIVE LONDONDERRY, NH 03063	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
619.27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$1,700.00	\$3,400.00	\$4,000.00	\$8,000.00	\$5,000.00	\$10,000.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	123.00	\$5.00	\$615.00	\$5.00	\$615.00	\$5.00	\$615.00
621.31	SINGLE DELINEATOR WITH POST	EA	139.00	\$50.00	\$6,950.00	\$45.00	\$6,255.00	\$45.00	\$6,255.00
621.32	DOUBLE DELINEATOR WITH POST	EA	44.00	\$50.00	\$2,200.00	\$55.00	\$2,420.00	\$55.00	\$2,420.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	317,104.00	\$0.18	\$57,078.72	\$0.18	\$57,078.72	\$0.18	\$57,078.72
632.01049	SHORT TERM PAVEMENT MARKINGS, 4" LINE	LF	240,040.00	\$0.16	\$38,406.40	\$0.09	\$21,603.60	\$0.09	\$21,603.60
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	264,834.00	\$0.20	\$52,966.80	\$0.20	\$52,966.80	\$0.20	\$52,966.80
632.01189	SHORT TERM PAVEMENT MARKINGS, 18" LINE	LF	366.00	\$5.00	\$1,830.00	\$2.00	\$732.00	\$2.00	\$732.00
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	11,229.00	\$1.08	\$12,127.32	\$0.80	\$8,983.20	\$1.00	\$11,229.00
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	366.00	\$3.95	\$1,445.70	\$3.80	\$1,317.60	\$4.00	\$1,464.00
632.3104	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 4" LINE	LF	3,804.00	\$1.25	\$4,755.00	\$1.75	\$6,657.00	\$1.75	\$6,657.00
632.3106	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE	LF	12,980.00	\$1.30	\$16,874.00	\$1.85	\$24,013.00	\$1.85	\$24,013.00
632.3108	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 8" LINE	LF	1,609.00	\$2.00	\$3,018.00	\$2.50	\$3,772.50	\$2.50	\$3,772.50
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	8,894.00	\$3.30	\$29,350.20	\$3.75	\$33,352.50	\$3.75	\$33,352.50
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	366.00	\$6.00	\$2,196.00	\$5.00	\$1,830.00	\$5.00	\$1,830.00
632.3124	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 24" LINE	LF	25.00	\$8.00	\$200.00	\$7.00	\$175.00	\$7.00	\$175.00
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	924.00	\$10.00	\$9,240.00	\$9.00	\$8,316.00	\$9.00	\$8,316.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	18,916.00	\$0.50	\$9,458.00	\$0.38	\$7,188.08	\$0.38	\$7,188.08
632.912	OBLITERATE PAVE. MARKING LINE, OVER 12" WIDE	LF	25.00	\$3.00	\$75.00	\$6.00	\$150.00	\$6.00	\$150.00
632.92	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD	SF	328.00	\$3.25	\$1,066.00	\$6.00	\$1,968.00	\$6.00	\$1,968.00
632.94	REMOVE RECESSED PAVEMENT MARKERS	EA	821.00	\$25.00	\$20,525.00	\$10.00	\$8,210.00	\$50.00	\$41,050.00
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	1,719.00	\$4.45	\$7,649.55	\$5.50	\$9,454.50	\$3.50	\$6,016.50
645.531	SILT FENCE	LF	1,719.00	\$2.65	\$4,555.35	\$2.50	\$4,297.50	\$3.50	\$6,016.50
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	2,123.00	\$4.20	\$8,916.60	\$3.25	\$6,899.75	\$10.00	\$21,230.00
692.	MOBILIZATION	U	1.00	\$234,049.97	\$234,049.97	\$375,000.00	\$375,000.00	\$300,000.00	\$300,000.00



# ABC Bid Data

MILFORD-AMHERST  
43031  
X-A005(016)

Item No.	Description	Unit	Quantity	P&E		PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03228		CONTINENTAL PAVING INC 1 CONTINENTAL DRIVE LONDONDERRY, NH 03053	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
698.12	FIELD OFFICE TYPE B	MON	21.00	\$2,500.00	\$52,500.00	\$2,100.00	\$44,100.00	\$2,500.00	\$52,500.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
1010.15	FUEL ADJUSTMENT	\$	70,000.00	\$1.00	\$70,000.00	\$1.00	\$70,000.00	\$1.00	\$70,000.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	100,000.00	\$1.00	\$100,000.00	\$1.00	\$100,000.00	\$1.00	\$100,000.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	118,111.00	\$1.00	\$118,111.00	\$1.00	\$118,111.00	\$1.00	\$118,111.00
<b>Totals:</b>					<b>\$5,985,631.19</b>		<b>\$6,175,808.13</b>		<b>\$6,222,625.88</b>
<b>All Totals:</b>									
<b>Totals:</b>					<b>\$5,985,631.19</b>		<b>\$6,175,808.13</b>		<b>\$6,222,625.88</b>



# ABC Bid Data

MILFORD-AMHERST

43031

X-A005(016)

Item No.	Description	Unit	Quantity	P&B E		BROY INDUSTRIES, INC. 1471 NETHUEN STREET DRACUT, MA 01828		Unit Price	Total
				Unit Price	Total	Unit Price	Total		

**Items**

201.21	REMOVING SMALL TREES	EA	10.00	\$850.00	\$8,500.00	\$200.00	\$2,000.00		
202.7	REMOVAL OF GUARDRAIL	LF	5,383.50	\$3.25	\$17,496.38	\$2.50	\$13,458.75		
202.851	REMOVAL OF FLASHING BEACON	U	2.00	\$2,750.00	\$5,500.00	\$1,500.00	\$3,000.00		
203.1	COMMON EXCAVATION	CY	8.00	\$85.00	\$680.00	\$250.00	\$2,000.00		
203.2	ROCK EXCAVATION	CY	234.00	\$75.00	\$17,550.00	\$105.00	\$24,570.00		
203.6640	GUARDRAIL TAPERED RAIL PLATFORM	LF	76.00	\$33.00	\$2,475.00	\$50.00	\$3,750.00		
203.6661	EAGRT PLATFORM PREFERRED	U	7.00	\$1,750.00	\$12,250.00	\$1,500.00	\$10,500.00		
209.3	GRANULAR BACKFILL (SAND)	CY	3.60	\$25.00	\$90.00	\$50.00	\$180.00		
304.301	CRUSHED GRAVEL	CY	201.00	\$80.00	\$12,060.00	\$90.00	\$18,090.00		
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	2,583.40	\$27.00	\$69,751.80	\$36.00	\$93,002.40		
403.11022	HBP-BINDER, MM, QC/QA TIER 2	TON	3,290.30	\$88.00	\$289,546.40	\$85.00	\$279,675.50		
403.11033	HBP-WINTER BINDER, MM	TON	1,738.90	\$115.00	\$199,973.50	\$95.00	\$165,195.50		
403.11921	HBP-BINDER, MM, HIGH STRENGTH, QC/QA TIER 1	TON	247.70	\$91.17	\$22,582.81	\$125.00	\$30,962.50		
403.11951	HBP-3/8" WEARING, MM, HIGH STRENGTH, QC/QA TIER 1	TON	22,176.30	\$83.00	\$1,840,632.90	\$90.00	\$1,995,867.00		
403.11952	HBP-3/8" WEARING, MM, HIGH STRENGTH, QC/QA TIER 2	TON	2,834.30	\$83.00	\$235,246.90	\$100.00	\$283,430.00		
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	59.20	\$160.00	\$9,472.00	\$150.00	\$8,880.00		
403.16	PAVEMENT JOINT ADHESIVE	LF	263,894.00	\$0.27	\$71,251.38	\$0.35	\$92,362.90		
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	36,241.80	\$2.50	\$90,604.50	\$3.00	\$108,725.40		
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	21,048.00	\$3.20	\$67,353.60	\$6.00	\$126,288.00		
411.1	HOT BITUMINOUS CONCRETE LEVELING COURSE	TON	7,693.20	\$74.00	\$569,296.80	\$90.00	\$692,388.00		
411.3	PLANT MIX SURFACE TREATMENT (ASPHALT CEMENT), PAVEMENT SHIM	TON	925.90	\$90.00	\$83,331.00	\$100.00	\$92,590.00		
417.	COLD PLANING BITUMINOUS SURFACES	SY	103,664.00	\$2.63	\$272,373.32	\$3.50	\$362,474.00		
417.412	RUMBLE STRIPS, 12" WIDE	LF	24,967.00	\$0.37	\$9,237.79	\$0.50	\$12,483.50		
417.4122	RUMBLE STRIPS, 12" WIDE (SINUSOIDAL)	LF	19,520.00	\$0.50	\$9,760.00	\$0.60	\$11,712.00		

# ABC Bid Data

MILFORD-AMHERST

43031

X-A005(016)

Item No.	Description	Unit	Quantity	P&E		BROX INDUSTRIES, INC. 1471 METHUEN STREET DRACUT, MA 01828		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	44,486.00	\$2.00	\$88,972.00	\$1.75	\$77,850.50		
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	458.00	\$98.00	\$44,884.00	\$109.25	\$50,036.50		
585.3	STONE FILL, CLASS C	CY	3.00	\$250.00	\$750.00	\$50.00	\$150.00		
603.60048	LAYING/RELAYING 48" DRAINAGE PIPE	LF	16.00	\$400.00	\$6,400.00	\$580.00	\$9,280.00		
604.0007	POLYETHYLENE LINER	EA	101.00	\$130.00	\$13,130.00	\$120.00	\$12,120.00		
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	220.00	\$425.00	\$93,500.00	\$370.00	\$81,400.00		
604.52	RECONSTRUCTING/ADJUSTING DRAINAGE MANHOLES	LF	1.00	\$500.00	\$500.00	\$500.00	\$500.00		
604.72	GRATES & FRAMES, TYPE B	EA	63.00	\$575.00	\$36,225.00	\$700.00	\$44,100.00		
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	47.00	\$3,450.00	\$162,150.00	\$3,500.00	\$164,500.00		
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	2,612.50	\$25.00	\$65,312.50	\$25.00	\$65,312.50		
606.34202	SINGLE FACED ASYMMETRICAL TRANSITION RAIL, RIGHT (STEEL POST)	U	1.00	\$1,000.00	\$1,000.00	\$750.00	\$750.00		
606.91	RESETTING OR SETTING GUARDRAIL	LF	1,787.50	\$16.50	\$29,493.75	\$17.50	\$31,281.25		
606.91254	RESETTING TERMINAL UNIT (TYPE TL 3 EAGRT) (STEEL POST)	U	2.00	\$1,200.00	\$2,400.00	\$1,500.00	\$3,000.00		
606.9127	RESETTING TERMINAL UNIT (TYPE G-2)(STEEL POST)	U	3.00	\$260.00	\$780.00	\$650.00	\$1,950.00		
608.2801	8" CONCRETE SIDEWALK	SY	244.00	\$50.00	\$12,200.00	\$80.00	\$19,520.00		
609.5	RESET GRANITE CURB	LF	2,663.00	\$28.00	\$74,564.00	\$9.00	\$23,967.00		
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	1,195.00	\$8.00	\$9,560.00	\$8.00	\$9,560.00		
615.0301	TRAFFIC SIGN TYPE C	SF	48.50	\$47.00	\$2,279.50	\$81.80	\$3,967.30		
615.03201	TRAFFIC SIGN TYPE C, BREAKAWAY MOUNTS	SF	42.67	\$140.00	\$5,973.80	\$146.25	\$6,240.49		
615.0401	TRAFFIC SIGN TYPE AA	SF	2,322.00	\$25.00	\$58,050.00	\$28.00	\$65,016.00		
615.0501	TRAFFIC SIGN TYPE BB	SF	224.33	\$20.00	\$4,486.60	\$26.19	\$5,875.20		
615.0601	TRAFFIC SIGN TYPE CC	SF	679.48	\$14.00	\$9,512.72	\$14.00	\$9,512.72		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	90,000.00	\$1.00	\$90,000.00	\$1.00	\$90,000.00		
618.7	FLAGGERS	HR	3,240.00	\$39.50	\$127,980.00	\$35.00	\$113,400.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$241,851.63	\$241,851.63	\$258,000.00	\$258,000.00		
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$3,500.00	\$7,000.00	\$6,500.00	\$13,000.00		

ABC Bid Data

MILFORD-AMHERST

43031

X-A005(016)

Item No.	Description	Unit	Quantity	P&B		BROX INDUSTRIES, INC. 1471 METHUEN STREET DRACUT, MA 01826		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
619.27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$1,700.00	\$3,400.00	\$3,000.00	\$6,000.00		
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	123.00	\$5.00	\$615.00	\$5.00	\$615.00		
621.31	SINGLE DELINEATOR WITH POST	EA	139.00	\$50.00	\$6,950.00	\$45.00	\$6,255.00		
621.32	DOUBLE DELINEATOR WITH POST	EA	44.00	\$50.00	\$2,200.00	\$55.00	\$2,420.00		
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	317,104.00	\$0.18	\$57,078.72	\$0.20	\$63,420.80		
632.01049	SHORT TERM PAVEMENT MARKINGS, 4" LINE	LF	240,040.00	\$0.16	\$38,406.40	\$0.12	\$28,804.80		
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	264,834.00	\$0.20	\$52,966.80	\$0.20	\$52,966.80		
632.01189	SHORT TERM PAVEMENT MARKINGS, 18" LINE	LF	366.00	\$5.00	\$1,830.00	\$2.00	\$732.00		
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	11,229.00	\$1.08	\$12,127.32	\$1.00	\$11,229.00		
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	366.00	\$3.95	\$1,445.70	\$5.00	\$1,830.00		
632.3104	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 4" LINE	LF	3,804.00	\$1.25	\$4,755.00	\$1.80	\$6,847.20		
632.3106	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE	LF	12,980.00	\$1.30	\$16,874.00	\$1.90	\$24,662.00		
632.3108	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 8" LINE	LF	1,509.00	\$2.00	\$3,018.00	\$2.55	\$3,847.95		
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	8,894.00	\$3.30	\$29,350.20	\$3.80	\$33,797.20		
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	366.00	\$6.00	\$2,196.00	\$6.00	\$2,196.00		
632.3124	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 24" LINE	LF	25.00	\$8.00	\$200.00	\$8.00	\$200.00		
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	924.00	\$10.00	\$9,240.00	\$10.00	\$9,240.00		
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	18,916.00	\$0.50	\$9,458.00	\$0.40	\$7,566.40		
632.912	OBLITERATE PAVE. MARKING LINE, OVER 12" WIDE	LF	25.00	\$3.00	\$75.00	\$8.00	\$200.00		
632.92	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD	SF	328.00	\$3.25	\$1,066.00	\$8.00	\$2,624.00		
632.94	REMOVE RECESSED PAVEMENT MARKERS	EA	821.00	\$25.00	\$20,525.00	\$8.00	\$6,568.00		
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	1,719.00	\$4.45	\$7,649.55	\$4.00	\$6,876.00		
645.531	SILT FENCE	LF	1,719.00	\$2.65	\$4,555.35	\$3.00	\$5,157.00		
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	2,123.00	\$4.20	\$8,916.60	\$6.00	\$12,738.00		
692.	MOBILIZATION	U	1.00	\$234,049.97	\$234,049.97	\$300,000.00	\$300,000.00		



# ABC Bid Data

MILFORD-AMHERST

43031

X-A005(016)

Item No.	Description	Unit	Quantity	P&E		BROX INDUSTRIES, INC. 1471 METHUEN STREET DRACUT, MA 01828		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
698.12	FIELD OFFICE TYPE B	MON	21.00	\$2,500.00	\$52,500.00	\$3,000.00	\$63,000.00		
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00		
1010.15	FUEL ADJUSTMENT	\$	70,000.00	\$1.00	\$70,000.00	\$1.00	\$70,000.00		
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	100,000.00	\$1.00	\$100,000.00	\$1.00	\$100,000.00		
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	118,111.00	\$1.00	\$118,111.00	\$1.00	\$118,111.00		
<b>Totals:</b>					<b>\$5,985,531.19</b>		<b>\$6,551,779.06</b>		
<b>Alt. Totals:</b>									
<b>Totals:</b>					<b>\$5,985,531.19</b>		<b>\$6,551,779.06</b>		



# PS&E Comparison

MILFORD-AMHERST

43031

X-A005(016)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
<b>Items</b>								
201.21	REMOVING SMALL TREES	EA	10.00	\$250.00	\$2,500.00	\$850.00	\$8,500.00	(\$6,000.00)
202.7	REMOVAL OF GUARDRAIL	LF	5,383.50	\$1.10	\$5,921.85	\$3.25	\$17,496.38	(\$11,574.53)
202.851	REMOVAL OF FLASHING BEACON	U	2.00	\$1,500.00	\$3,000.00	\$2,750.00	\$5,500.00	(\$2,500.00)
203.1	COMMON EXCAVATION	CY	8.00	\$200.00	\$1,600.00	\$85.00	\$680.00	\$920.00
203.2	ROCK EXCAVATION	CY	234.00	\$90.00	\$21,060.00	\$75.00	\$17,550.00	\$3,510.00
203.5540	GUARDRAIL TAPERED RAIL PLATFORM	LF	75.00	\$35.00	\$2,625.00	\$33.00	\$2,475.00	\$150.00
203.5561	EAGRT PLATFORM PREFERRED	U	7.00	\$1,250.00	\$8,750.00	\$1,750.00	\$12,250.00	(\$3,500.00)
209.3	GRANULAR BACKFILL (SAND)	CY	3.60	\$125.00	\$450.00	\$25.00	\$90.00	\$360.00
304.301	CRUSHED GRAVEL	CY	201.00	\$40.00	\$8,040.00	\$60.00	\$12,060.00	(\$4,020.00)
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	2,583.40	\$34.00	\$87,835.60	\$27.00	\$69,751.80	\$18,083.80
403.11022	HBP-BINDER, MM, QC/QA TIER 2	TON	3,290.30	\$70.00	\$230,321.00	\$88.00	\$289,546.40	(\$59,225.40)
403.11033	HBP-WINTER BINDER, MM	TON	1,738.90	\$75.00	\$130,417.50	\$115.00	\$199,973.50	(\$69,556.00)
403.11921	HBP-BINDER, MM, HIGH STRENGTH, QC/QA TIER 1	TON	247.70	\$100.00	\$24,770.00	\$91.17	\$22,582.81	\$2,187.19
403.11951	HBP-3/8" WEARING, MM, HIGH STRENGTH, QC/QA TIER 1	TON	22,176.30	\$80.00	\$1,774,104.00	\$83.00	\$1,840,632.90	(\$66,528.90)



## PS&E Comparison

MILFORD-AMHERST

43031

X-A005(016)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
403.11952	HBP-3/8" WEARING, MM. HIGH STRENGTH, QC/QA TIER 2	TON	2,834.30	\$90.00	\$255,087.00	\$83.00	\$235,246.90	\$19,840.10
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	59.20	\$150.00	\$8,880.00	\$160.00	\$9,472.00	(\$592.00)
403.16	PAVEMENT JOINT ADHESIVE	LF	263,894.00	\$0.28	\$73,890.32	\$0.27	\$71,251.38	\$2,638.94
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	36,241.80	\$3.00	\$108,725.40	\$2.50	\$90,604.50	\$18,120.90
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	21,048.00	\$3.85	\$81,034.80	\$3.20	\$67,353.60	\$13,681.20
411.1	HOT BITUMINOUS CONCRETE LEVELING COURSE	TON	7,693.20	\$85.00	\$653,922.00	\$74.00	\$569,296.80	\$84,625.20
411.3	PLANT MIX SURFACE TREATMENT (ASPHALT CEMENT), PAVER SHIM	TON	925.90	\$90.00	\$83,331.00	\$90.00	\$83,331.00	\$0.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	103,564.00	\$2.10	\$217,484.40	\$2.63	\$272,373.32	(\$54,888.92)
417.412	RUMBLE STRIPS, 12" WIDE	LF	24,967.00	\$0.55	\$13,731.85	\$0.37	\$9,237.79	\$4,494.06
417.4122	RUMBLE STRIPS, 12" WIDE (SINUSOIDAL)	LF	19,520.00	\$0.60	\$11,712.00	\$0.50	\$9,760.00	\$1,952.00
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	44,486.00	\$2.00	\$88,972.00	\$2.00	\$88,972.00	\$0.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	458.00	\$110.00	\$50,380.00	\$98.00	\$44,884.00	\$5,496.00
585.3	STONE FILL, CLASS C	CY	3.00	\$225.00	\$675.00	\$250.00	\$750.00	(\$75.00)
603.60048	LAYING/RELAYING 48" DRAINAGE PIPE	LF	16.00	\$900.00	\$14,400.00	\$400.00	\$6,400.00	\$8,000.00
604.0007	POLYETHYLENE LINER	EA	101.00	\$125.00	\$12,625.00	\$130.00	\$13,130.00	(\$505.00)
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	220.00	\$450.00	\$99,000.00	\$425.00	\$93,500.00	\$5,500.00



# PS&E Comparison

MILFORD-AMHERST

43031

X-A005(016)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
604.52	RECONSTRUCTING/ADJUSTING DRAINAGE MANHOLES	LF	1.00	\$450.00	\$450.00	\$500.00	\$500.00	(\$50.00)
604.72	GRATES & FRAMES, TYPE B	EA	63.00	\$600.00	\$37,800.00	\$575.00	\$36,225.00	\$1,575.00
606.1254	BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST)	U	47.00	\$3,500.00	\$164,500.00	\$3,450.00	\$162,150.00	\$2,350.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	2,612.50	\$24.90	\$65,051.25	\$25.00	\$65,312.50	(\$261.25)
606.34202	SINGLE FACED ASYMMETRICAL TRANSITION RAIL, RIGHT (STEEL POST)	U	1.00	\$750.00	\$750.00	\$1,000.00	\$1,000.00	(\$250.00)
606.91	RESETTING OR SETTING GUARDRAIL	LF	1,787.50	\$17.00	\$30,387.50	\$16.50	\$29,493.75	\$893.75
606.91254	RESETTING TERMINAL UNIT (TYPE TL 3 EAGRT) (STEEL POST)	U	2.00	\$1,500.00	\$3,000.00	\$1,200.00	\$2,400.00	\$600.00
606.9127	RESETTING TERMINAL UNIT (TYPE G-2) (STEEL POST)	U	3.00	\$650.00	\$1,950.00	\$260.00	\$780.00	\$1,170.00
608.2801	8" CONCRETE SIDEWALK	SY	244.00	\$125.00	\$30,500.00	\$50.00	\$12,200.00	\$18,300.00
609.5	RESET GRANITE CURB	LF	2,663.00	\$17.00	\$45,271.00	\$28.00	\$74,564.00	(\$29,293.00)
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	1,195.00	\$8.00	\$9,560.00	\$8.00	\$9,560.00	\$0.00
615.0301	TRAFFIC SIGN TYPE C	SF	48.50	\$40.00	\$1,940.00	\$47.00	\$2,279.50	(\$339.50)
615.03201	TRAFFIC SIGN TYPE C, BREAKAWAY MOUNTS	SF	42.67	\$150.00	\$6,400.50	\$140.00	\$5,973.80	\$426.70
615.0401	TRAFFIC SIGN TYPE AA	SF	2,322.00	\$26.00	\$60,372.00	\$25.00	\$58,050.00	\$2,322.00
615.0501	TRAFFIC SIGN TYPE BB	SF	224.33	\$45.00	\$10,094.85	\$20.00	\$4,486.60	\$5,608.25
615.0601	TRAFFIC SIGN TYPE CC	SF	679.48	\$22.00	\$14,948.56	\$14.00	\$9,512.72	\$5,435.84



# PS&E Comparison

MILFORD-AMHERST

43031

X-A005(016)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	90,000.00	\$1.00	\$90,000.00	\$1.00	\$90,000.00	\$0.00
618.7	FLAGGERS	HR	3,240.00	\$38.00	\$123,120.00	\$39.50	\$127,980.00	(\$4,860.00)
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$400,000.00	\$400,000.00	\$241,851.63	\$241,851.63	\$158,148.37
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$5,500.00	\$11,000.00	\$3,500.00	\$7,000.00	\$4,000.00
619.27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$4,000.00	\$8,000.00	\$1,700.00	\$3,400.00	\$4,600.00
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	123.00	\$5.00	\$615.00	\$5.00	\$615.00	\$0.00
621.31	SINGLE DELINEATOR WITH POST	EA	139.00	\$45.00	\$6,255.00	\$50.00	\$6,950.00	(\$695.00)
621.32	DOUBLE DELINEATOR WITH POST	EA	44.00	\$55.00	\$2,420.00	\$50.00	\$2,200.00	\$220.00
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	317,104.00	\$0.18	\$57,078.72	\$0.18	\$57,078.72	\$0.00
632.01049	SHORT TERM PAVEMENT MARKINGS, 4" LINE	LF	240,040.00	\$0.09	\$21,603.60	\$0.16	\$38,406.40	(\$16,802.80)
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	264,834.00	\$0.20	\$52,966.80	\$0.20	\$52,966.80	\$0.00
632.01189	SHORT TERM PAVEMENT MARKINGS, 18" LINE	LF	366.00	\$2.00	\$732.00	\$5.00	\$1,830.00	(\$1,098.00)
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	11,229.00	\$0.80	\$8,983.20	\$1.08	\$12,127.32	(\$3,144.12)
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 18" LINE	LF	366.00	\$3.60	\$1,317.60	\$3.95	\$1,445.70	(\$128.10)
632.3104	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 4" LINE	LF	3,804.00	\$1.75	\$6,657.00	\$1.25	\$4,755.00	\$1,902.00
632.3106	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE	LF	12,980.00	\$1.85	\$24,013.00	\$1.30	\$16,874.00	\$7,139.00

PS&E Comparison

MILFORD-AMHERST

43031

X-A005(016)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
632.3108	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 8" LINE	LF	1,509.00	\$2.50	\$3,772.50	\$2.00	\$3,018.00	\$754.50
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	8,894.00	\$3.75	\$33,352.50	\$3.30	\$29,350.20	\$4,002.30
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	366.00	\$5.00	\$1,830.00	\$6.00	\$2,196.00	(\$366.00)
632.3124	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 24" LINE	LF	25.00	\$7.00	\$175.00	\$8.00	\$200.00	(\$25.00)
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	924.00	\$9.00	\$8,316.00	\$10.00	\$9,240.00	(\$924.00)
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	18,916.00	\$0.38	\$7,188.08	\$0.50	\$9,458.00	(\$2,269.92)
632.912	OBLITERATE PAVE. MARKING LINE, OVER 12" WIDE	LF	25.00	\$6.00	\$150.00	\$3.00	\$75.00	\$75.00
632.92	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD	SF	328.00	\$6.00	\$1,968.00	\$3.25	\$1,066.00	\$902.00
632.94	REMOVE RECESSED PAVEMENT MARKERS	EA	821.00	\$10.00	\$8,210.00	\$25.00	\$20,525.00	(\$12,315.00)
645.512	COMPOST SOCK FOR PERIMETER BERM	LF	1,719.00	\$5.50	\$9,454.50	\$4.45	\$7,649.55	\$1,804.95
645.531	SILT FENCE	LF	1,719.00	\$2.50	\$4,297.50	\$2.65	\$4,555.35	(\$257.85)
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	2,123.00	\$3.25	\$6,899.75	\$4.20	\$8,916.60	(\$2,016.85)
692.	MOBILIZATION	U	1.00	\$375,000.00	\$375,000.00	\$234,049.97	\$234,049.97	\$140,950.03
698.12	FIELD OFFICE TYPE B	MON	21.00	\$2,100.00	\$44,100.00	\$2,500.00	\$52,500.00	(\$8,400.00)
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00



# PS&E Comparison

MILFORD-AMHERST

43031

X-A005(016)

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
1010.15	FUEL ADJUSTMENT	\$	70,000.00	\$1.00	\$70,000.00	\$1.00	\$70,000.00	\$0.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	100,000.00	\$1.00	\$100,000.00	\$1.00	\$100,000.00	\$0.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	118,111.00	\$1.00	\$118,111.00	\$1.00	\$118,111.00	\$0.00
<b>Total:</b>					\$6,175,808.13		\$5,985,531.19	\$190,276.94

January 29, 2021

## SUPPLEMENTAL PROJECT INFORMATION SHEET

**DESCRIPTION:** This project consists of pavement rehabilitation and preservation on three (3) sections of NH 101 in Milford and Amherst, totaling 14.4 centerline miles.

Section ID	Town/City	Road	Proposed Work	Length
22501A	Milford	NH 101	7½" full-width inlay: 6" HBP Binder in two equal lifts, 1½" HS HBP	0.4 miles
22502	Milford-Amherst	NH 101 including acceleration and deceleration areas	2" full-width overlay: ½" leveling course, 1½" HS HBP (10.1 miles) 3" full-width inlay: 1½" HS Binder, 1½" HS HBP (0.1 miles)	10.2 miles
22502A	Milford-Amherst	NH 101 including all NH 13, NH 101A, NH 122 (S), and NH 122 (N) Ramps	Spot Inlays: 2 miles of 2" deep by 13' wide NH 13 Ramps: 2" full-width overlay: ½" leveling course, 1½" HS HBP (1.0 mile) NH 101A Ramps: 1¼" HS HBP full-width overlay (1.3 mile) NH 122 (S) & NH 122 (N) Ramps: ¾" Paver Shim full-width overlay (1.5 miles)	3.8 miles

**FEDERAL FUNDING:** 80% (Pave-T1-Resurf), (20%- Turnpike Toll Credit).

**CONTINGENCY:** There is no contingency for this project.

**PROJECT INITIATED:** The Pavement Management Section has reviewed the road segments included in this project and has identified one (1) pavement preservation section (10.2 miles), one (1) minor rehabilitation section (3.8 miles), and one (1) major rehabilitation section (0.4 miles). This project will keep mainline NH 101 (Section 22502) in good condition and raise the ramp (Section 22502A) and mainline NH 101 (Section 22501A) pavement quality to good.

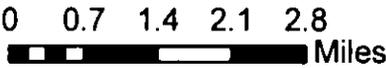
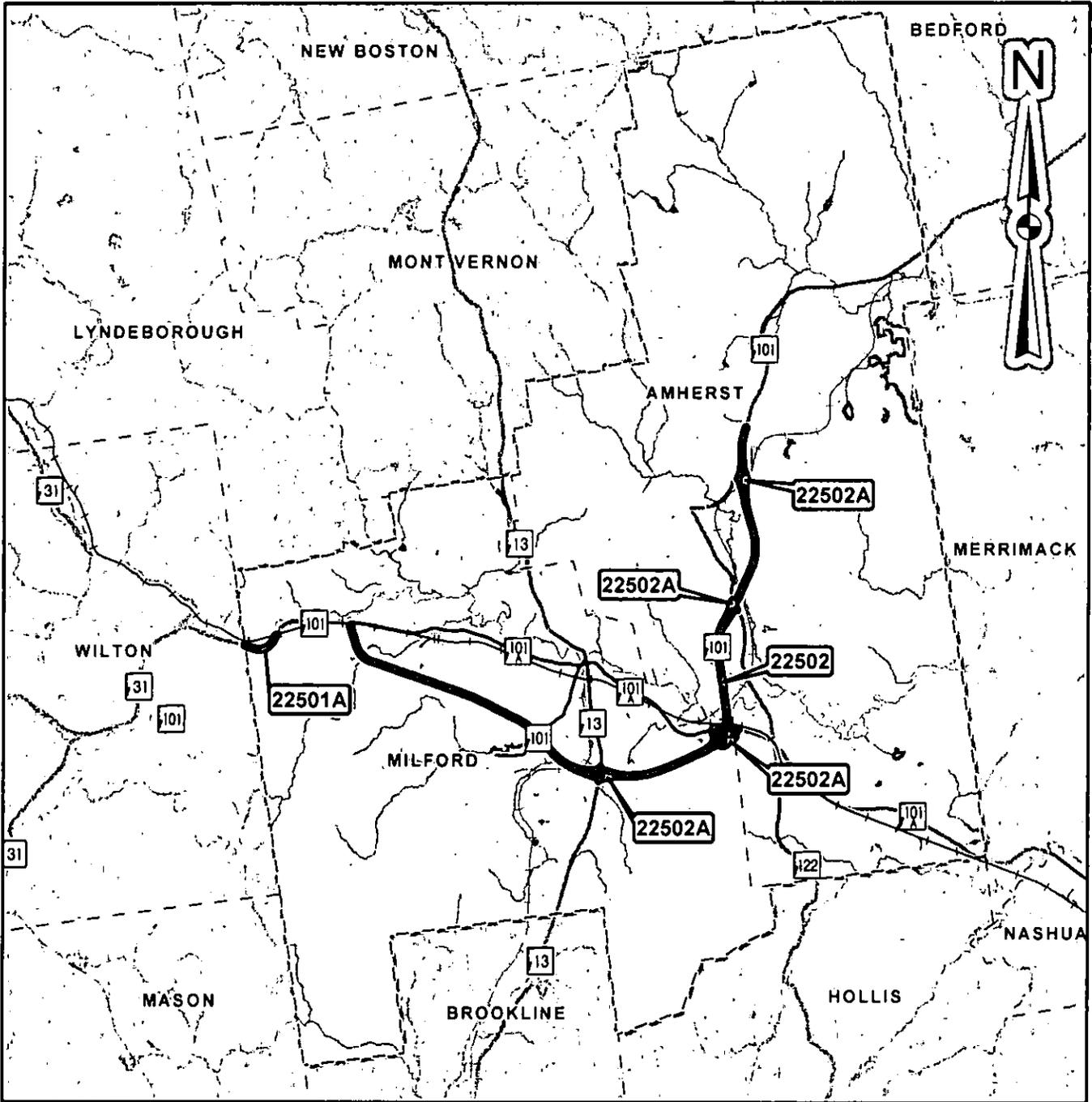
**PROJECT EXPLANATION:** This project is part of the CY 2021 Federal Tier 2 Resurfacing Program. Mainline NH 101 will be deep milled and filled with Binder and HS wearing course (Section 22501A) and resurfaced via leveling and HS wearing course (Section 22502). The ramps (Section 22502A) will be resurfaced via leveling and HS wearing course (NH 13 ramps), HS wearing course (NH 101A ramps), and paver shim (NH 122 south and north ramps). Additional work includes 7,369' of guardrail upgrades, centerline rumble strip reinstallation, relaying 16' of 48" RCP, drainage structure adjustments, and sign replacement. All impacted towns and utilities will be notified of the work.

**TRAFFIC IMPLICATION:** **Section 22501A, NH 101:** All work will be night work. One-lane, alternating two-way traffic will be required in order to complete the work. A 16-foot minimum lane width will be maintained at all times when travel is limited to one lane on NH 101. **Section 22502, NH 101:** All work will be night work. One-lane, alternating two-way traffic will be required in order to complete the work. Temporary lane shifts may be utilized for work contained on the shoulder. A 16-foot minimum lane width will be maintained at all times when travel is limited to one lane on NH 101. Lane closure lengths will be limited to one mile with a two-mile separation required between work zones. Traffic will be restored to normal patterns at the end of each workday. **Section 22502A, NH 101 Ramps:** All work will be night work. The ramps will be closed one at a time. Detours will be set in place to alternate exits along NH 101. Boston Rd/NH 122 will be utilized during the closure of the following ramps: NH 122 (south) EB Off, NH 122 (north) EB Off, & WB On. This crosses an urban compact; the Town of Amherst will be notified. Ponemah Rd/NH 122 and NH 101A will be utilized during the NH 122 (south) WB On ramp closure. NH 13 and NH 101A will be utilized during the NH 13 EB On ramp closure. Traffic will be restored to normal patterns at the end of each workday. Work zone significance was determined to be non-significant at the July 16, 2020 TCC Meeting.

**INTERMEDIATE COMPLETION DATE:** September 17, 2021 (all work on Section 22501A)

**FINAL COMPLETION DATE:** September 9, 2022

# Milford-Amherst 43031



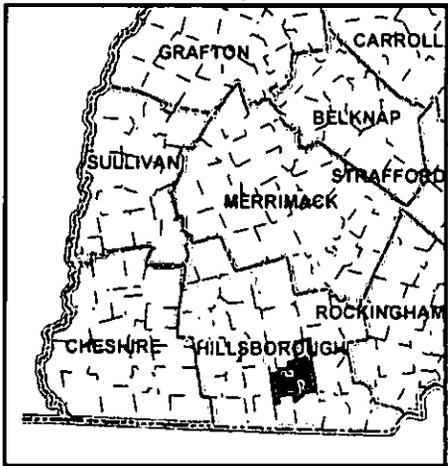
**LEGEND**

-  43031
-  State Routes
-  Urban Compacts
-  Water Bodies



State #: 43031  
Federal #: X-A005(016)

**LOCATION MAP**







# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/30/2021

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 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 Liberty Mutual Insurance Co. National Insurance East 2000 Westwood Dr. Wausau, WI 54401	CONTACT NAME: Valerio Reece	
	PHONE (A/C, No, Ext): 513-867-3822	FAX (A/C, No):
www.LibertyMutual.com	E-MAIL ADDRESS: Oldcastle.certs@LibertyMutual.com	
	INSURER(S) AFFORDING COVERAGE	
INSURED Pike Industries, Inc. (020-BEL) 3 Eastgate Park Road Belmont NH 03220	INSURER A: Liberty Mutual Fire Insurance Company	NAIC # 23035
	INSURER B: Liberty Insurance Corporation	42404
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

## COVERAGES

CERTIFICATE NUMBER: 60927415

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	ADDITIONAL SUBROGATION WAIVED	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 <input checked="" type="checkbox"/> Primary/Non-Contributory <input checked="" type="checkbox"/> Separation of Insured GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	<input checked="" type="checkbox"/>	TB2-C81-004095-110  XCU Coverage Included	9/1/2020	9/1/2021	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 50,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/POP AGG \$ 2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY	<input checked="" type="checkbox"/>	AS2-C81-004095-120  AS2-C81-054502-520 Physical Damage only: Comprehensive Ded \$10,000 Collision Ded \$10,000	9/1/2020	9/1/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$	<input checked="" type="checkbox"/>	TL2-681-054523-920 (General Liability)	9/1/2020	9/1/2021	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000 Products/Completed Ops \$ 1,000,000
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	WA7-C8D-004095-020 All except OH, ND, WA, WY  WC7-C81-004095-010 WI, MN	9/1/2020	9/1/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

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

RE: Milford-Amherst X-A005(061), 43031.  
 Boston and Maine Corporation, Springfield Terminal Railway Company, c/o Pan Am Railways, their affiliates, successors and assigns and the NH DOT are listed as additional insured with regards to the general liability, automobile liability, and excess liability policies, on a primary and non-contributory basis, where required by written contract.

## CERTIFICATE HOLDER

## CANCELLATION

Boston and Maine Corporation, Springfield Terminal Railway Company, c/o Pan Am Railways, their affiliates, successors and assigns  
 Attn: Ted Krug  
 1700 Iron Horse Park  
 N Billerica MA 01862

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

Valerio Reece

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ACORD 25 (2016/03)

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RAILROAD PROTECTIVE LIABILITY DECLARATIONS



Issued by Liberty Mutual Fire Insurance Company

Policy Number TE2-681-054667-611 Issuing Office Pittsburgh, PA
Renewal of New Issue Date 04/12/2021
Account Number 8-036771 Sub Account 0000

Named Insured and Mailing Address Franchise
Boston and Maine Corporation, Springfield Terminal Railway Company
1700 Iron Horse Park
N, Billerica, MA 01862

Form of Business Other

Policy Period: The policy period is from 04/06/2021 to 04/06/2022 12:01 A.M. standard time at the Insured's mailing address.

Job Location:
Milford-Amherst X-A005(061), 43031 Milford - NH 101 Section 22501A Milford-Amherst- NH 101 Section 22502
Pavement rehabilitation and preservation on three (3) sections of NH 101 in Milford and Amherst, totaling 14.4 centerline miles

Designated Contractor: Designated Contractor Mailing Address:
Pike Industries, Inc. 3 Eastgate Park Road Belmont, NH 03220

Name and Address of Involved Governmental Authority or Other Contracting Party:
State of New Hampshire -D.O.T
PO Box 486
Concord, NH 03302

In return for the payment of the premium, and subject to all the terms of this policy, we agree with you to provide the insurance as stated in this policy.

LIMITS OF INSURANCE

Each Occurrence Limit \$ 2,000,000
Aggregate Limit \$ 6,000,000

SCHEDULE

The declarations are completed on the accompanying "Declarations Extension Schedule(s)".
Railroad Protective Liability Coverage Part Premium \$ 1,900
Endorsement Premium \$
Other Charge(s) \$
Amount Payable at Inception \$ 1,900
Policywriting Minimum Premium \$

Forms Applicable: See Attached Inventory

Producer 0002 008060
Marsh USA Inc
3560 Lenox Rd. NE Ste. 2400
Atlanta, GA 30326-4266

Producer

Countersigned By:

[Signature]
Authorized Representative

**OWNERS AND CONTRACTORS PROTECTIVE  
LIABILITY DECLARATIONS**



Issued by Liberty Mutual Fire Insurance Company

Policy Number TF2-681-054667-601  
Renewal of NEW  
Account Number 8-036771

Issuing Office PITTSBURGH, PA  
Issue Date 2021/04/05  
Sub Account 0000

Named Insured and Mailing Address  
State of New Hampshire - D.O.T.  
PO Box 483  
Concord, NH 03302

Franchise

Form of Business Other

Policy Period: The policy period is from 04/06/2021 to 04/06/2022 12:01 A.M. standard time at the Insured's mailing address.

Designated Contractor: Pike Industries, Inc.

Mailing Address: 3 Eastgate Park Road Belmont, NH 03220

Location of Coverage Operations: Milford-Amherst X-A005(061), 43031 Pavement rehabilitation and preservation on three (3) sections of NH 101 in Milford and Amherst, totaling 14.4 center line miles

In return for the payment of the premium, and subject to all the terms of this policy, we agree with you to provide the insurance as stated in this policy.

**LIMITS OF INSURANCE**

Each Occurrence Limit \$ 2,000,000  
Aggregate Limit \$ 3,000,000

**SCHEDULE**

The declarations are completed on the accompanying "Declarations Extension Schedule(s)".

Owners and Contractors Protective Liability Coverage Part Premium \$ 1,900  
Endorsement Premium \$  
Total Estimated Premium \$ 1,900  
Other Charges(s) \$  
Policywriting Minimum Premium \$

Forms Applicable: See Attached Inventory

Producer 0002 008060  
MARSH USA INC  
3560 LENOX RD NE STE 2400  
ATLANTA GA 30326

Producer

Countersigned By:

Authorized Representative