



Victoria F. Sheehan
Commissioner

THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



William Cass, P.E.
Assistant Commissioner

74
Beale

Bureau of Construction
May 8, 2017

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

1. Authorize the Department of Transportation to enter into a contract with Pike Industries, Inc. (Vendor 177300) of Belmont, NH on the basis of a low bid of \$3,358,918.00 for 2.1 miles of pavement resurfacing on NH 101 from Manchester to Auburn and on the I-93 to I-293 ramps in Hooksett; and rehabilitation of a bridge on the I-93 NB to I-293 SB ramp, from the date of Governor and Council approval through June 29, 2018 unless extended by the Department in accordance with the Standard Specifications. 87% Federal Funds and 13% Turnpike Funds.

Funding is available as follows for FY 2017, and is contingent upon the availability and continued appropriation of fund for FY 2018:

| Funding is available as follows: | <u>FY 2017</u> | <u>FY 2018</u> |
|--|----------------|----------------|
| 04-96-96-963515-3054 Consolidated Federal Aid | | |
| 400-500870 Highway Contract Payments | \$200,000.00 | \$2,734,636.20 |
| 04-96-96-961017-7025 Turnpike Renewal & Replacement | | |
| 400-500870 Highway Contract Payments | \$100,000.00 | \$324,281.80 |

2. Further authorize that a contingency in the amount of \$100,767.54 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 3% of the contract amount.

| Funding is available as follows: | <u>FY 2017</u> | <u>FY 2018</u> |
|--|----------------|----------------|
| 04-96-96-963515-3054 Consolidated Federal Aid | | |
| 400-500870 Highway Contract Payments | \$ | \$100,767.54 |

EXPLANATION

This project is part of the State's Ten Year Transportation Improvement Plan, under the Tier I Preservation Program and involves 2.1 miles of pavement resurfacing on NH 101 from Manchester to Auburn and on the I-93 NB to I-293 SB and I-293 NB to I-93 SB ramps in Hooksett; and rehabilitation of a Bridge on the I-93 NB to I-293 SB ramp. The resurfacing treatment generally involves a 2-inch travel way inlay. Additional improvements include guardrail reset/replacement, NH-101 Exit #1 pedestrian sidewalk ramp, signal and crosswalk improvements, minor rock scaling and tree clearing, recessed polyurea pavement marking improvements along NH 101 between Manchester and Epping (approximately 15 miles per barrel), and limited street light relocation and/or removal on the NH-101 Exit #1 ramps. Rehabilitation of the I-93 NB to I-293 SB Bridge in Hooksett

(Bridge # 068/099) is programmed through the Turnpike System. NH-101 Exit #1 pedestrian signal improvements will be completed by the Bureau of Traffic. Eversource Energy shall supplement street light relocation and/or removal under a Utility Supplement Agreement.

The purpose of this project is to preserve and extend the life of the existing pavement and to prevent the Hooksett Bridge # 068/099 from being added to the "near Red List". Bureau of Materials & Research (December 2016) assessed the proposed resurfacing treatment areas to be in fair condition. The NH 101 section was last resurfaced in 2005 and the I-93 NB to I-293 SB and I-293 NB to I-93 SB ramps were last resurfaced in 2000 and 2001 respectively. Hooksett Bridge # 068/099 was built in 1976 and has had prior preservation improvements completed in 1992. Inspection reports show that the concrete deck, superstructure, and expansion joints are deteriorating.

Although the bid costs exceeded the Department's estimate, the low bid is felt to be reasonable for the work involved as there were 2 bids submitted for this project and the low bid is within 0.1% of the Department's estimate. 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.

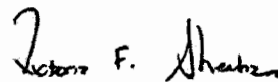
The contingency is proposed to be 3% of the contract amount. The project was not surveyed and therefore, items have been quantified based on field observations, as-built plans, and aerial photos. Field adjustments may be required (for guardrail work, bridge work, paving, etc.) due to varying field conditions.

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 includes 13% Turnpike Renewal and Replacement Funds. The balance is funded 80% federal funds with 20% state match. Turnpike toll credit is being utilized for match requirements for 87% of the total, effectively using 100% federal funds.

A copy of the Tabulation of Bids received for this project is attached along with the Contract Supplemental Sheet and a map indicating the location of the project.

Sincerely,



Victoria F. Sheehan
Commissioner

VFS/md
Department Estimate: \$3,331,196.10
Contract Amount: \$3,358,918.00
Over Estimate: \$ 27,721.90
Attachments

March 16, 2017

SUPPLEMENTAL PROJECT INFORMATION SHEET

DESCRIPTION: This project is part of the 2017 Tier I Preservation Program and involves 2.1 miles of pavement resurfacing on NH 101 from Manchester to Auburn and on the I-93 NB to I-293 SB and I-293 NB to I-93 SB ramps in Hooksett; and rehabilitation of a Bridge on the I-93 NB to I-293 SB ramp. Additional improvements include guardrail reset/replacement, NH-101 Exit #1 pedestrian sidewalk ramp, signal and crosswalk improvements, minor rock scaling and tree clearing, recessed polyurea pavement marking improvements along NH 101 between Manchester and Epping (approximately 15 miles per barrel), and limited street light relocation and/or removal on the NH-101 Exit #1 ramps. Rehabilitation of the I-93 NB to I-293 SB Bridge in Hooksett (Bridge # 068/099) will be programmed through the Turnpike System. NH-101 Exit #1 pedestrian signal improvements will be completed by the Bureau of Traffic. Eversource Energy shall supplement street light relocation and/or removal under a Utility Supplement Agreement.

FEDERAL FUNDING: Federal 80% (Pave-T1-Pres)/ State 20% (TTC); 100% Turnpikes (TRR)

CONTINGENCY: The contingency is proposed to be 3% of the contract amount. The project was not surveyed and therefore, items have been quantified based on field observations, as-built plans, and aerial photos. Field adjustments may be required (for guardrail work, bridge work, paving, etc.) due to varying field conditions.

PROJECT INITIATED: This project was initiated through the Tier I Pavement Preservation Program.

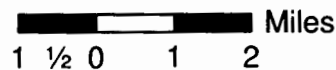
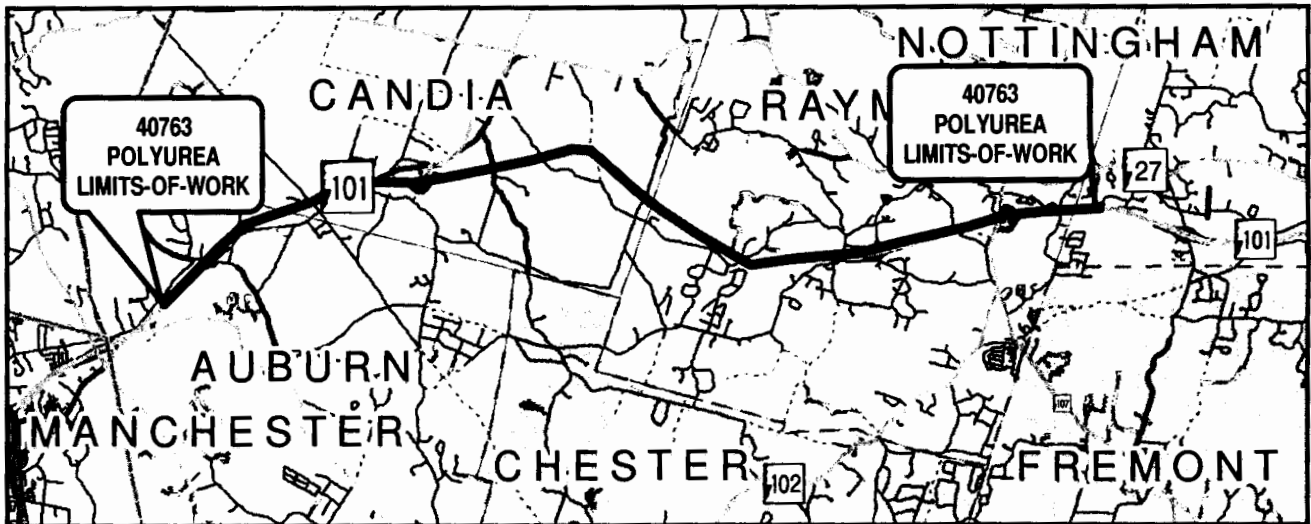
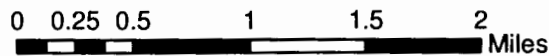
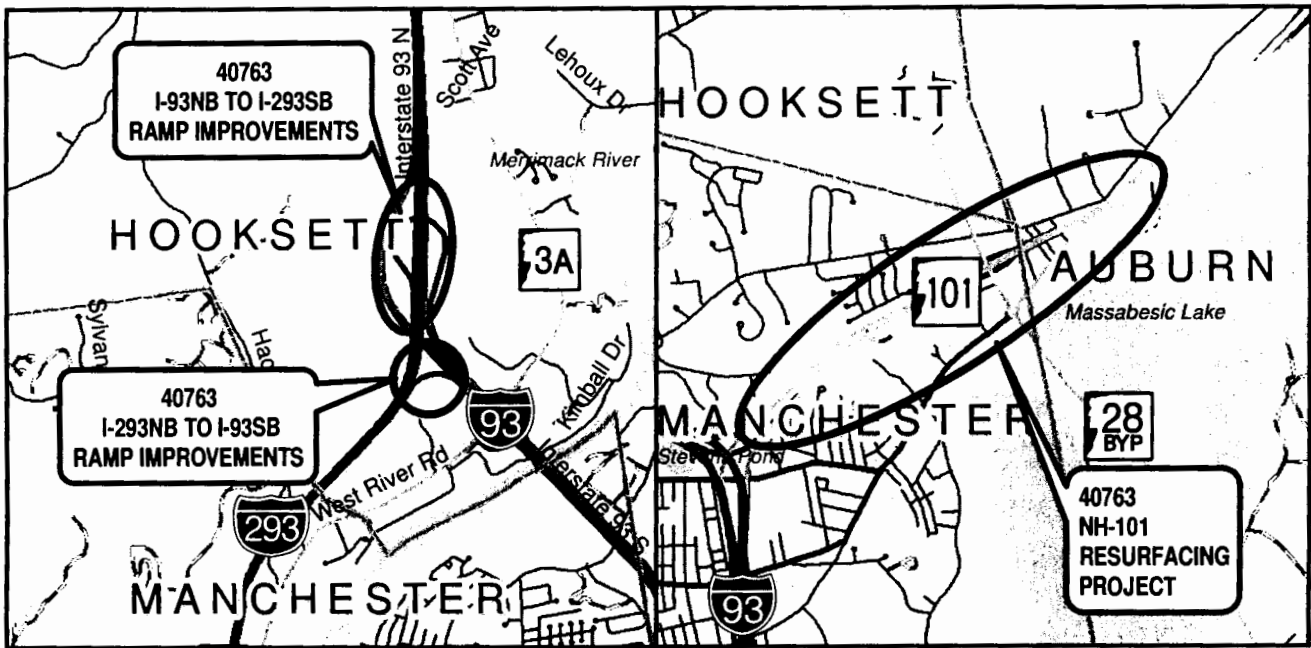
PROJECT EXPLANATION: The purpose of this project is to preserve and extend the life of the existing pavement and to prevent the Hooksett Bridge # 068/099 from being added to the "near Red List". Bureau of Materials & Research (December 2016) assessed the proposed resurfacing treatment areas to be in fair condition. The NH 101 section was last resurfaced in 2005 and the I-93 NB to I-293 SB and I-293 NB to I-93 SB ramps were last resurfaced in 2000 and 2001 respectively. Hooksett Bridge # 068/099 was built in 1976 and has had prior preservation improvements completed in 1992. Inspection reports show that the concrete deck, superstructure, and expansion joints are deteriorating.

TRAFFIC IMPLICATION: Two lanes of traffic per barrel will be maintained on NH-101 for all daytime work. Night work (8pm-6am) will be required during paving and striping operations on NH-101 and may utilize a single lane closure per barrel. NH-101 daytime work will use a lane shift/shoulder closure, and existing traffic patterns will be restored during non-work hours. NH-101 Exit 1 ramp work will require short-term, nighttime only (8pm-6am) ramp closures, during which traffic will be detoured via NH-101 Exit 2 and I-93 Exit 8. The I-93 and I-293 ramp work, inclusive of the work at Hooksett Bridge No. 068/099, will require a detour via NH 3A between I-93 Exit 10 and I-293 Exit 7.

INTERMEDIATE COMPLETION DATE: October 27, 2017 for all work with the exception of the I-93 NB to I-293 SB ramp.

FINAL COMPLETION DATE: June 29, 2018.

Manchester/Auburn - NH 101/I-93/I-293

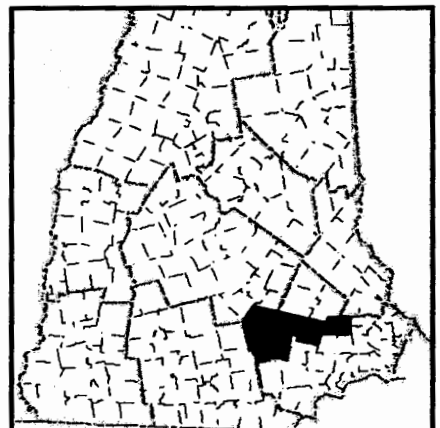


LEGEND

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

New Hampshire
DOT
 Department of Transportation

State #: 40763
 Federal #: X-A004 (482)
LOCATION MAP





ABC Bid Data

MANCHESTER-AUBURN

40763

X-A004(482)

| | | | | | |
|------------------------------|---|--------------------|--|----------------------|---|
| PROJECT: | MANCHESTER-AUBURN | Awarded To: | PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220 | Certified by: | <u>PETER.E.STAMNAS</u> Director of Project Development |
| STATE PROJECT NUMBER: | 40763 | Amount: | \$3,358,918.00 | Award Date: | |
| FED. PROJECT NUMBER: | X-A004(482) | | | | |
| DATE BIDS OPEN: | April 20, 2017, 2:00 | | | | |
| SCOPE OF WORK: | Pavement Preservation Project from Signed (100.3 to 102.1)/GIS (60.1 to 61.9) including exit 1. | | | | |
| COMPLETION DATE: | June 29, 2018 | | | | |
| LOCATION: | Rockingham, Hillsborough | | | | |

Summary of Bidders

| Contractor | Bid Amount | Rank |
|---|----------------|------|
| PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD, BELMONT NH 03220 | \$3,358,918.00 | A |
| BROX INDUSTRIES, INC. 1471 METHUEN STREET, DRACUT MA 01826 | \$3,675,168.50 | B |

| Item No. | Description | Unit | Quantity | PS&E | | PWE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220 | | BROX INDUSTRIES, INC. 1471 METHUEN STREET DRACUT, MA 01826 | |
|----------|-------------|------|----------|------------|-------|---|-------|--|-------|
| | | | | Unit Price | Total | Unit Price | Total | Unit Price | Total |

Items

| | | | | | | | | | |
|-----------|---|-----|------------|-------------|----------------|-------------|----------------|-------------|--------------|
| 201.0101 | CLEARING | A | .100 | \$20,000.00 | \$2,000.00 | \$36,000.00 | \$3,600.00 | \$65,000.00 | \$6,500.00 |
| 202.7 | REMOVAL OF GUARDRAIL | LF | 5,150,000 | \$2.50 | \$12,875.00 | \$1.60 | \$8,240.00 | \$1.50 | \$7,725.00 |
| 202.8 | REMOVAL OF FENCE | LF | 40,000 | \$5.00 | \$200.00 | \$5.00 | \$200.00 | \$3.00 | \$120.00 |
| 202.843 | REMOVAL OF LIGHT POLE | U | 5,000 | \$750.00 | \$3,750.00 | \$425.00 | \$2,125.00 | \$700.00 | \$3,500.00 |
| 203.5554 | GUARDRAIL EAGRT PLATFORM, TL 3 | U | 2,000 | \$1,150.00 | \$2,300.00 | \$1,400.00 | \$2,800.00 | \$1,400.00 | \$2,800.00 |
| 203.55543 | GUARDRAIL EAGRT OFFSET PLATFORM, TL 3 | U | 5,000 | \$1,200.00 | \$6,000.00 | \$1,750.00 | \$8,750.00 | \$1,400.00 | \$7,000.00 |
| 203.5596 | GUARDRAIL E-2 PLATFORM | LF | 500,000 | \$18.00 | \$9,000.00 | \$16.50 | \$8,250.00 | \$20.00 | \$10,000.00 |
| 203.92 | ROCK SCALING - MACHINE METHOD | HR | 20,000 | \$650.00 | \$13,000.00 | \$800.00 | \$16,000.00 | \$400.00 | \$8,000.00 |
| 206.1 | COMMON STRUCTURE EXCAVATION | CY | 40,000 | \$35.00 | \$1,400.00 | \$295.00 | \$11,800.00 | \$50.00 | \$2,000.00 |
| 206.19 | COMMON STRUCTURE EXCAVATION EXPLORATORY | CY | 70,000 | \$50.00 | \$3,500.00 | \$30.00 | \$2,100.00 | \$50.00 | \$3,500.00 |
| 209.4 | GRANULAR BACKFILL (GRAV) | CY | 20,000 | \$55.00 | \$1,100.00 | \$125.00 | \$2,500.00 | \$50.00 | \$1,000.00 |
| 304.301 | CRUSHED GRAVEL | CY | 15,000 | \$55.00 | \$825.00 | \$35.00 | \$525.00 | \$50.00 | \$750.00 |
| 304.32 | CRUSHED GRAVEL FOR SHOULDER LEVELING | TON | 375,000 | \$25.00 | \$9,375.00 | \$28.00 | \$10,500.00 | \$30.00 | \$11,250.00 |
| 403.11002 | HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 2) | TON | 12,335,000 | \$90.00 | \$1,110,150.00 | \$86.00 | \$1,060,810.00 | \$78.00 | \$962,130.00 |
| 403.12 | HOT BITUMINOUS PAVEMENT, HAND METHOD | TON | 34,000 | \$120.00 | \$4,080.00 | \$300.00 | \$10,200.00 | \$145.00 | \$4,930.00 |
| 403.4 | MATERIAL TRANSFER VEHICLE (MTV) | TON | 12,335,000 | \$1.50 | \$18,502.50 | \$2.50 | \$30,837.50 | \$2.00 | \$24,670.00 |
| 403.6 | PAVEMENT JOINT ADHESIVE | LF | 82,410,000 | \$0.28 | \$23,074.80 | \$0.28 | \$23,074.80 | \$0.30 | \$24,723.00 |
| 403.61 | PAVEMENT JOINT ADHESIVE (BRIDGE BASE) | LF | 810,000 | \$0.28 | \$226.80 | \$2.75 | \$2,227.50 | \$0.30 | \$243.00 |
| 403.911 | HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE | TON | 45,000 | \$225.00 | \$10,125.00 | \$150.00 | \$6,750.00 | \$275.00 | \$12,375.00 |
| 410.22 | ASPHALT EMULSION FOR TACK COAT | GAL | 3,610,000 | \$4.00 | \$14,440.00 | \$4.50 | \$16,245.00 | \$6.00 | \$21,660.00 |
| 417. | COLD PLANING BITUMINOUS SURFACES | SY | 93,350,000 | \$1.90 | \$177,365.00 | \$1.60 | \$149,360.00 | \$2.75 | \$256,712.50 |
| 417.11815 | COLD PLANING BITUMINOUS SURFACES, 18" WIDE X 1.5" DEEP (CRACKS) | LF | 4,400,000 | \$1.60 | \$7,040.00 | \$2.65 | \$11,660.00 | \$1.50 | \$6,600.00 |
| 417.416 | RUMBLE STRIPS, 16" WIDE | LF | 15,500,000 | \$0.35 | \$5,425.00 | \$0.55 | \$8,525.00 | \$0.60 | \$9,300.00 |
| 502.101 | REMOVAL OF EXISTING BRIDGE STRUCTURE | U | 1,000 | \$25,000.00 | \$25,000.00 | \$50,000.00 | \$50,000.00 | \$78,000.00 | \$78,000.00 |
| 502.102 | REMOVAL OF EXISTING BRIDGE STRUCTURE | U | 1,000 | \$25,000.00 | \$25,000.00 | \$50,000.00 | \$50,000.00 | \$78,000.00 | \$78,000.00 |
| 504.101 | COMMON BRIDGE EXCAVATION | CY | 20,000 | \$50.00 | \$1,000.00 | \$75.00 | \$1,500.00 | \$50.00 | \$1,000.00 |
| 511.0001 | CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F) | SY | 790,000 | \$15.00 | \$11,850.00 | \$17.50 | \$13,825.00 | \$15.00 | \$11,850.00 |
| 511.02 | PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS | SY | 80,000 | \$400.00 | \$32,000.00 | \$350.00 | \$28,000.00 | \$650.00 | \$52,000.00 |
| 511.03 | PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS | SY | 40,000 | \$550.00 | \$22,000.00 | \$425.00 | \$17,000.00 | \$850.00 | \$34,000.00 |
| 512.0201 | PREPARATION FOR CONCRETE REPAIRS, CLASS II | SY | 35,000 | \$650.00 | \$22,750.00 | \$575.00 | \$20,125.00 | \$600.00 | \$21,000.00 |
| 520.01 | CONCRETE CLASS AA | CY | 30,000 | \$1,150.00 | \$34,500.00 | \$525.00 | \$15,750.00 | \$1,000.00 | \$30,000.00 |
| 520.0201 | CONCRETE CLASS AA, ABOVE FOOTINGS | CY | 7,000 | \$1,450.00 | \$10,150.00 | \$4,500.00 | \$31,500.00 | \$1,500.00 | \$10,500.00 |
| 534.3 | WATER REPELLENT (SILANE/SILOXANE) | GAL | 15,000 | \$80.00 | \$1,200.00 | \$110.00 | \$1,650.00 | \$100.00 | \$1,500.00 |
| 538.201 | BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES | SY | 20,000 | \$40.00 | \$800.00 | \$75.00 | \$1,500.00 | \$40.00 | \$800.00 |
| 538.6 | BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F) | SY | 790,000 | \$25.00 | \$19,750.00 | \$25.00 | \$19,750.00 | \$24.00 | \$18,960.00 |
| 541.5 | PVC WATERSTOPS, NH TYPE 5 (F) | LF | 40,000 | \$15.00 | \$600.00 | \$15.00 | \$600.00 | \$10.00 | \$400.00 |
| 544.201 | REINFORCING STEEL - EPOXY COATED | LB | 800,000 | \$3.00 | \$2,400.00 | \$6.50 | \$5,200.00 | \$3.00 | \$2,400.00 |
| 559.41 | ASPHALTIC PLUG FOR CRACK CONTROL (F) | LF | 370,000 | \$100.00 | \$37,000.00 | \$90.00 | \$33,300.00 | \$88.00 | \$32,560.00 |
| 561.1001 | PREFABRICATED STRIP SEAL EXPANSION JOINT (F) | LF | 31,000 | \$720.00 | \$22,320.00 | \$750.00 | \$23,250.00 | \$850.00 | \$26,350.00 |
| 561.1002 | PREFABRICATED STRIP SEAL EXPANSION JOINT (F) | LF | 31,000 | \$720.00 | \$22,320.00 | \$750.00 | \$23,250.00 | \$850.00 | \$26,350.00 |

| Item No. | Description | Unit | Quantity | PS&E | | PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220 | | BROX INDUSTRIES, INC. 1471 METHUEN STREET DRACUT, MA 01826 | |
|-----------|---|------|------------|--------------|--------------|--|--------------|--|--------------|
| | | | | Unit Price | Total | Unit Price | Total | Unit Price | Total |
| 562.1 | SILICONE JOINT SEALANT (F) | LF | 62.000 | \$21.00 | \$1,302.00 | \$25.00 | \$1,550.00 | \$20.00 | \$1,240.00 |
| 565.2229 | BRIDGE APPROACH RAIL T2 (STEEL POSTS) (MODIFIED) | U | 4.000 | \$4,000.00 | \$16,000.00 | \$2,200.00 | \$8,800.00 | \$2,800.00 | \$11,200.00 |
| 604.4 | RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET | LF | 14.000 | \$400.00 | \$5,600.00 | \$400.00 | \$5,600.00 | \$350.00 | \$4,900.00 |
| 606.000 | STEEL BEAM FOR BEAM GUARDRAIL | LF | 900.000 | \$8.00 | \$7,200.00 | \$8.20 | \$7,380.00 | \$8.00 | \$7,200.00 |
| 606.012 | W6X9 STEEL POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS | EA | 150.000 | \$50.00 | \$7,500.00 | \$57.00 | \$8,550.00 | \$55.00 | \$8,250.00 |
| 606.0122 | W6X9 STEEL POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS | EA | 150.000 | \$12.00 | \$1,800.00 | \$10.00 | \$1,500.00 | \$12.00 | \$1,800.00 |
| 606.1254 | BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGR, TL 3) (STEEL POST) | U | 7.000 | \$2,000.00 | \$14,000.00 | \$2,200.00 | \$15,400.00 | \$2,400.00 | \$16,800.00 |
| 606.127 | BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST) | U | 11.000 | \$550.00 | \$6,050.00 | \$550.00 | \$6,050.00 | \$500.00 | \$5,500.00 |
| 606.1296 | BEAM GUARDRAIL (TERMINAL UNIT TYPE E-2) (STEEL POST) | LF | 500.000 | \$40.00 | \$20,000.00 | \$26.00 | \$13,000.00 | \$28.00 | \$14,000.00 |
| 606.18001 | 31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST) | LF | 4,400.000 | \$17.00 | \$74,800.00 | \$16.50 | \$72,600.00 | \$17.00 | \$74,800.00 |
| 606.915 | RESETTING GUARDRAIL, BLOCK AND RAIL ONLY | LF | 8,950.000 | \$5.00 | \$44,750.00 | \$4.25 | \$38,037.50 | \$4.50 | \$40,275.00 |
| 607.360 | CHAIN LINK FENCE WITH VINYL COATED STEEL FABRIC, 6' HIGH | LF | 140.000 | \$30.00 | \$4,200.00 | \$23.00 | \$3,220.00 | \$25.00 | \$3,500.00 |
| 607.4260 | POST ASSEMBLIES FOR CHAIN LINK FENCE, 6' HIGH | EA | 2.000 | \$200.00 | \$400.00 | \$165.00 | \$330.00 | \$250.00 | \$500.00 |
| 608.2401 | 4" CONCRETE SIDEWALK | SY | 110.000 | \$45.00 | \$4,950.00 | \$52.00 | \$5,720.00 | \$50.00 | \$5,500.00 |
| 608.54 | DETECTABLE WARNING DEVICES, CAST IRON | SY | 14.000 | \$375.00 | \$5,250.00 | \$425.00 | \$5,950.00 | \$400.00 | \$5,600.00 |
| 609.01 | STRAIGHT GRANITE CURB | LF | 50.000 | \$30.00 | \$1,500.00 | \$26.45 | \$1,322.50 | \$40.00 | \$2,000.00 |
| 609.5 | RESET GRANITE CURB | LF | 300.000 | \$15.00 | \$4,500.00 | \$12.50 | \$3,750.00 | \$25.00 | \$7,500.00 |
| 609.55 | RESET GRANITE CURB (BRIDGE) | LF | 10.000 | \$80.00 | \$800.00 | \$110.00 | \$1,100.00 | \$70.00 | \$700.00 |
| 616.650 | TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 50 FT | EA | 4.000 | \$800.00 | \$3,200.00 | \$850.00 | \$3,400.00 | \$800.00 | \$3,200.00 |
| 616.831 | FURNISH SIGNAL EQUIPMENT | U | 1.000 | \$14,000.00 | \$14,000.00 | \$15,000.00 | \$15,000.00 | \$14,500.00 | \$14,500.00 |
| 618.61 | UNIFORMED OFFICERS WITH VEHICLE | \$ | 96,000.000 | \$1.00 | \$96,000.00 | \$1.00 | \$96,000.00 | \$1.00 | \$96,000.00 |
| 619.1 | MAINTENANCE OF TRAFFIC | U | 1.000 | \$200,000.00 | \$200,000.00 | \$247,000.00 | \$247,000.00 | \$365,000.00 | \$365,000.00 |
| 619.25 | PORTABLE CHANGEABLE MESSAGE SIGN | U | 6.000 | \$5,000.00 | \$30,000.00 | \$2,400.00 | \$14,400.00 | \$4,550.00 | \$27,300.00 |
| 619.279 | AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN | U | 4.000 | \$5,000.00 | \$20,000.00 | \$2,500.00 | \$10,000.00 | \$4,550.00 | \$18,200.00 |
| 619.63 | TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3 | U | 2.000 | \$13,000.00 | \$26,000.00 | \$8,000.00 | \$16,000.00 | \$12,000.00 | \$24,000.00 |
| 621.2 | RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR | EA | 175.000 | \$5.00 | \$875.00 | \$4.50 | \$787.50 | \$4.00 | \$700.00 |
| 621.31 | SINGLE DELINEATOR WITH POST | EA | 405.000 | \$35.00 | \$14,175.00 | \$38.00 | \$15,390.00 | \$35.00 | \$14,175.00 |
| 621.32 | DOUBLE DELINEATOR WITH POST | EA | 55.000 | \$40.00 | \$2,200.00 | \$40.00 | \$2,200.00 | \$40.00 | \$2,200.00 |
| 622.1 | STEEL WITNESS MARKERS | EA | 75.000 | \$30.00 | \$2,250.00 | \$26.00 | \$1,950.00 | \$35.00 | \$2,625.00 |
| 625.001 | LED RETROFIT | EA | 4.000 | \$1,000.00 | \$4,000.00 | \$550.00 | \$2,200.00 | \$550.00 | \$2,200.00 |
| 625.62 | RESET/RELOCATE LIGHT POLE | EA | 1.000 | \$1,800.00 | \$1,800.00 | \$2,750.00 | \$2,750.00 | \$2,500.00 | \$2,500.00 |
| 628.2 | SAWED BITUMINOUS PAVEMENT | LF | 1,020.000 | \$1.50 | \$1,530.00 | \$2.00 | \$2,040.00 | \$1.25 | \$1,275.00 |
| 632.0106 | RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE | LF | 63,050.000 | \$0.20 | \$12,610.00 | \$0.15 | \$9,457.50 | \$0.15 | \$9,457.50 |
| 632.0112 | RETROREFLECTIVE PAINT PAVE. MARKING, 12" LINE | LF | 3,550.000 | \$0.40 | \$1,420.00 | \$0.20 | \$710.00 | \$0.20 | \$710.00 |
| 632.1104 | PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE | LF | 40,300.000 | \$1.25 | \$50,375.00 | \$0.72 | \$29,016.00 | \$0.80 | \$32,240.00 |
| 632.3104 | RETROREFLECT. THERMOPLAS. PAVE. MARKING, 4" LINE | LF | 425.000 | \$1.00 | \$425.00 | \$1.00 | \$425.00 | \$1.00 | \$425.00 |
| 632.3106 | RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE | LF | 675.000 | \$1.40 | \$945.00 | \$1.52 | \$1,026.00 | \$1.50 | \$1,012.50 |
| 632.3118 | RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE | LF | 85.000 | \$5.00 | \$425.00 | \$5.02 | \$426.70 | \$5.00 | \$425.00 |

| Item No. | Description | Unit | Quantity | PS&E | | PIKE INDUSTRIES, INC. 3 EASTGATE PARK ROAD BELMONT, NH 03220 | | BROX INDUSTRIES, INC. 1471 METHUEN STREET DRACUT, MA 01826 | |
|-----------|---|------|-------------|--------------|--------------|--|--------------|--|--------------|
| | | | | Unit Price | Total | Unit Price | Total | Unit Price | Total |
| 632.32 | RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD | SF | 150,000 | \$7.00 | \$1,050.00 | \$7.03 | \$1,054.50 | \$7.00 | \$1,050.00 |
| 632.71206 | GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 6" LINE | LF | 419,000.000 | \$1.00 | \$419,000.00 | \$1.10 | \$460,900.00 | \$1.05 | \$439,950.00 |
| 632.71212 | GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 12" LINE | LF | 18,000.000 | \$2.30 | \$41,400.00 | \$2.30 | \$41,400.00 | \$2.25 | \$40,500.00 |
| 646.31 | TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS | SY | 1,140,000 | \$1.00 | \$1,140.00 | \$1.00 | \$1,140.00 | \$3.00 | \$3,420.00 |
| 647.1 | HUMUS | CY | 115,000 | \$25.00 | \$2,875.00 | \$40.00 | \$4,600.00 | \$45.00 | \$5,175.00 |
| 692. | MOBILIZATION | U | 1,000 | \$250,000.00 | \$250,000.00 | \$254,000.00 | \$254,000.00 | \$350,000.00 | \$350,000.00 |
| 698.13 | FIELD OFFICE TYPE C | MON | 12,000 | \$1,500.00 | \$18,000.00 | \$2,000.00 | \$24,000.00 | \$2,000.00 | \$24,000.00 |
| 699. | MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL | \$ | 8,000,000 | \$1.00 | \$8,000.00 | \$1.00 | \$8,000.00 | \$1.00 | \$8,000.00 |
| 1002.1 | REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES | \$ | 40,000,000 | \$1.00 | \$40,000.00 | \$1.00 | \$40,000.00 | \$1.00 | \$40,000.00 |
| 1010.15 | FUEL ADJUSTMENT | \$ | 40,000,000 | \$1.00 | \$40,000.00 | \$1.00 | \$40,000.00 | \$1.00 | \$40,000.00 |
| 1010.2 | ASPHALT CEMENT ADJUSTMENT | \$ | 25,000,000 | \$1.00 | \$25,000.00 | \$1.00 | \$25,000.00 | \$1.00 | \$25,000.00 |
| 1010.3 | QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT | \$ | 55,505.000 | \$1.00 | \$55,505.00 | \$1.00 | \$55,505.00 | \$1.00 | \$55,505.00 |

| | | | |
|---------|----------------|----------------|----------------|
| Totals: | \$3,331,198.10 | \$3,358,918.00 | \$3,675,168.50 |
|---------|----------------|----------------|----------------|



PS&E Comparison

MANCHESTER-AUBURN

40763

X-A004(482)

| Item No. | Description | Unit | Quantity | A-Bidder | | PS&E | | A-PS&E Difference |
|--------------|--|------|------------|-------------|----------------|-------------|----------------|-------------------|
| | | | | Unit Price | Total | Unit Price | Total | |
| Items | | | | | | | | |
| 201.0101 | CLEARING | A | .100 | \$36,000.00 | \$3,600.00 | \$20,000.00 | \$2,000.00 | \$1,600.00 |
| 202.7 | REMOVAL OF GUARDRAIL | LF | 5,150.000 | \$1.60 | \$8,240.00 | \$2.50 | \$12,875.00 | (\$4,635.00) |
| 202.8 | REMOVAL OF FENCE | LF | 40.000 | \$5.00 | \$200.00 | \$5.00 | \$200.00 | \$0.00 |
| 202.843 | REMOVAL OF LIGHT POLE | U | 5.000 | \$425.00 | \$2,125.00 | \$750.00 | \$3,750.00 | (\$1,625.00) |
| 203.5554 | GUARDRAIL EAGRT PLATFORM, TL 3 | U | 2.000 | \$1,400.00 | \$2,800.00 | \$1,150.00 | \$2,300.00 | \$500.00 |
| 203.55543 | GUARDRAIL EAGRT OFFSET PLATFORM, TL 3 | U | 5.000 | \$1,750.00 | \$8,750.00 | \$1,200.00 | \$6,000.00 | \$2,750.00 |
| 203.5596 | GUARDRAIL E-2 PLATFORM | LF | 500.000 | \$16.50 | \$8,250.00 | \$18.00 | \$9,000.00 | (\$750.00) |
| 203.92 | ROCK SCALING - MACHINE METHOD | HR | 20.000 | \$800.00 | \$16,000.00 | \$650.00 | \$13,000.00 | \$3,000.00 |
| 206.1 | COMMON STRUCTURE EXCAVATION | CY | 40.000 | \$295.00 | \$11,800.00 | \$35.00 | \$1,400.00 | \$10,400.00 |
| 206.19 | COMMON STRUCTURE EXCAVATION EXPLORATORY | CY | 70.000 | \$30.00 | \$2,100.00 | \$50.00 | \$3,500.00 | (\$1,400.00) |
| 209.4 | GRANULAR BACKFILL (GRAV) | CY | 20.000 | \$125.00 | \$2,500.00 | \$55.00 | \$1,100.00 | \$1,400.00 |
| 304.301 | CRUSHED GRAVEL | CY | 15.000 | \$35.00 | \$525.00 | \$55.00 | \$825.00 | (\$300.00) |
| 304.32 | CRUSHED GRAVEL FOR SHOULDER LEVELING | TON | 375.000 | \$28.00 | \$10,500.00 | \$25.00 | \$9,375.00 | \$1,125.00 |
| 403.11002 | HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 2) | TON | 12,335.000 | \$86.00 | \$1,060,810.00 | \$90.00 | \$1,110,150.00 | (\$49,340.00) |
| 403.12 | HOT BITUMINOUS PAVEMENT, HAND METHOD | TON | 34.000 | \$300.00 | \$10,200.00 | \$120.00 | \$4,080.00 | \$6,120.00 |

| | | | | | | | | |
|-----------|---|-----|------------|-------------|--------------|-------------|--------------|---------------|
| 403.4 | MATERIAL TRANSFER VEHICLE (MTV) | TON | 12,335.000 | \$2.50 | \$30,837.50 | \$1.50 | \$18,502.50 | \$12,335.00 |
| 403.6 | PAVEMENT JOINT ADHESIVE | LF | 82,410.000 | \$0.28 | \$23,074.80 | \$0.28 | \$23,074.80 | \$0.00 |
| 403.61 | PAVEMENT JOINT ADHESIVE (BRIDGE BASE) | LF | 810.000 | \$2.75 | \$2,227.50 | \$0.28 | \$226.80 | \$2,000.70 |
| 403.911 | HOT BITUMINOUS BRIDGE PAVEMENT, 1" BASE COURSE | TON | 45.000 | \$150.00 | \$6,750.00 | \$225.00 | \$10,125.00 | (\$3,375.00) |
| 410.22 | ASPHALT EMULSION FOR TACK COAT | GAL | 3,610.000 | \$4.50 | \$16,245.00 | \$4.00 | \$14,440.00 | \$1,805.00 |
| 417. | COLD PLANING BITUMINOUS SURFACES | SY | 93,350.000 | \$1.60 | \$149,360.00 | \$1.90 | \$177,365.00 | (\$28,005.00) |
| 417.11815 | COLD PLANING BITUMINOUS SURFACES, 18" WIDE X 1.5" DEEP (CRACKS) | LF | 4,400.000 | \$2.65 | \$11,660.00 | \$1.60 | \$7,040.00 | \$4,620.00 |
| 417.416 | RUMBLE STRIPS, 16" WIDE | LF | 15,500.000 | \$0.55 | \$8,525.00 | \$0.35 | \$5,425.00 | \$3,100.00 |
| 502.101 | REMOVAL OF EXISTING BRIDGE STRUCTURE | U | 1.000 | \$50,000.00 | \$50,000.00 | \$25,000.00 | \$25,000.00 | \$25,000.00 |
| 502.102 | REMOVAL OF EXISTING BRIDGE STRUCTURE | U | 1.000 | \$50,000.00 | \$50,000.00 | \$25,000.00 | \$25,000.00 | \$25,000.00 |
| 504.101 | COMMON BRIDGE EXCAVATION | CY | 20.000 | \$75.00 | \$1,500.00 | \$50.00 | \$1,000.00 | \$500.00 |
| 511.0001 | CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F) | SY | 790.000 | \$17.50 | \$13,825.00 | \$15.00 | \$11,850.00 | \$1,975.00 |
| 511.02 | PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS | SY | 80.000 | \$350.00 | \$28,000.00 | \$400.00 | \$32,000.00 | (\$4,000.00) |
| 511.03 | PREPARATION FOR FULL DEPTH CONCRETE BRIDGE DECK REPAIRS | SY | 40.000 | \$425.00 | \$17,000.00 | \$550.00 | \$22,000.00 | (\$5,000.00) |
| 512.0201 | PREPARATION FOR CONCRETE REPAIRS, CLASS II | SY | 35.000 | \$575.00 | \$20,125.00 | \$650.00 | \$22,750.00 | (\$2,625.00) |
| 520.01 | CONCRETE CLASS AA | CY | 30.000 | \$525.00 | \$15,750.00 | \$1,150.00 | \$34,500.00 | (\$18,750.00) |
| 520.0201 | CONCRETE CLASS AA, ABOVE FOOTINGS | CY | 7.000 | \$4,500.00 | \$31,500.00 | \$1,450.00 | \$10,150.00 | \$21,350.00 |
| 534.3 | WATER REPELLENT (SILANE/SILOXANE) | GAL | 15.000 | \$110.00 | \$1,650.00 | \$80.00 | \$1,200.00 | \$450.00 |
| 538.201 | BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES | SY | 20.000 | \$75.00 | \$1,500.00 | \$40.00 | \$800.00 | \$700.00 |
| 538.6 | BARRIER MEMBRANE, HEAT WELDED - MACHINE METHOD (F) | SY | 790.000 | \$25.00 | \$19,750.00 | \$25.00 | \$19,750.00 | \$0.00 |
| 541.5 | PVC WATERSTOPS, NH TYPE 5 (F) | LF | 40.000 | \$15.00 | \$600.00 | \$15.00 | \$600.00 | \$0.00 |
| 544.201 | REINFORCING STEEL - EPOXY COATED | LB | 800.000 | \$6.50 | \$5,200.00 | \$3.00 | \$2,400.00 | \$2,800.00 |

| | | | | | | | | |
|-----------|--|----|-----------|------------|-------------|------------|-------------|--------------|
| 559.41 | ASPHALTIC PLUG FOR CRACK CONTROL (F) | LF | 370.000 | \$90.00 | \$33,300.00 | \$100.00 | \$37,000.00 | (\$3,700.00) |
| 561.1001 | PREFABRICATED STRIP SEAL EXPANSION JOINT (F) | LF | 31.000 | \$750.00 | \$23,250.00 | \$720.00 | \$22,320.00 | \$930.00 |
| 561.1002 | PREFABRICATED STRIP SEAL EXPANSION JOINT (F) | LF | 31.000 | \$750.00 | \$23,250.00 | \$720.00 | \$22,320.00 | \$930.00 |
| 562.1 | SILICONE JOINT SEALANT (F) | LF | 62.000 | \$25.00 | \$1,550.00 | \$21.00 | \$1,302.00 | \$248.00 |
| 565.2229 | BRIDGE APPROACH RAIL T2 (STEEL POSTS) (MODIFIED) | U | 4.000 | \$2,200.00 | \$8,800.00 | \$4,000.00 | \$16,000.00 | (\$7,200.00) |
| 604.4 | RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET | LF | 14.000 | \$400.00 | \$5,600.00 | \$400.00 | \$5,600.00 | \$0.00 |
| 606.000 | STEEL BEAM FOR BEAM GUARDRAIL | LF | 900.000 | \$8.20 | \$7,380.00 | \$8.00 | \$7,200.00 | \$180.00 |
| 606.012 | W6X9 STEEL POST REPLACEMENTS FOR BEAM GUARDRAIL POSTS | EA | 150.000 | \$57.00 | \$8,550.00 | \$50.00 | \$7,500.00 | \$1,050.00 |
| 606.0122 | W6X9 STEEL POST ASSEMBLIES FOR BEAM GUARDRAIL POSTS | EA | 150.000 | \$10.00 | \$1,500.00 | \$12.00 | \$1,800.00 | (\$300.00) |
| 606.1254 | BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 3) (STEEL POST) | U | 7.000 | \$2,200.00 | \$15,400.00 | \$2,000.00 | \$14,000.00 | \$1,400.00 |
| 606.127 | BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST) | U | 11.000 | \$550.00 | \$6,050.00 | \$550.00 | \$6,050.00 | \$0.00 |
| 606.1296 | BEAM GUARDRAIL (TERMINAL UNIT TYPE E-2) (STEEL POST) | LF | 500.000 | \$26.00 | \$13,000.00 | \$40.00 | \$20,000.00 | (\$7,000.00) |
| 606.18001 | 31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST) | LF | 4,400.000 | \$16.50 | \$72,600.00 | \$17.00 | \$74,800.00 | (\$2,200.00) |
| 606.915 | RESETTING GUARDRAIL, BLOCK AND RAIL ONLY | LF | 8,950.000 | \$4.25 | \$38,037.50 | \$5.00 | \$44,750.00 | (\$6,712.50) |
| 607.360 | CHAIN LINK FENCE WITH VINYL COATED STEEL FABRIC, 6' HIGH | LF | 140.000 | \$23.00 | \$3,220.00 | \$30.00 | \$4,200.00 | (\$980.00) |
| 607.4260 | POST ASSEMBLIES FOR CHAIN LINK FENCE, 6' HIGH | EA | 2.000 | \$165.00 | \$330.00 | \$200.00 | \$400.00 | (\$70.00) |
| 608.2401 | 4" CONCRETE SIDEWALK | SY | 110.000 | \$52.00 | \$5,720.00 | \$45.00 | \$4,950.00 | \$770.00 |
| 608.54 | DETECTABLE WARNING DEVICES, CAST IRON | SY | 14.000 | \$425.00 | \$5,950.00 | \$375.00 | \$5,250.00 | \$700.00 |
| 609.01 | STRAIGHT GRANITE CURB | LF | 50.000 | \$26.45 | \$1,322.50 | \$30.00 | \$1,500.00 | (\$177.50) |
| 609.5 | RESET GRANITE CURB | LF | 300.000 | \$12.50 | \$3,750.00 | \$15.00 | \$4,500.00 | (\$750.00) |
| 609.55 | RESET GRANITE CURB (BRIDGE) | LF | 10.000 | \$110.00 | \$1,100.00 | \$80.00 | \$800.00 | \$300.00 |

| | | | | | | | | |
|----------|--|----|------------|--------------|--------------|--------------|--------------|---------------|
| 616.650 | TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 50 FT | EA | 4.000 | \$850.00 | \$3,400.00 | \$800.00 | \$3,200.00 | \$200.00 |
| 616.831 | FURNISH SIGNAL EQUIPMENT | U | 1.000 | \$15,000.00 | \$15,000.00 | \$14,000.00 | \$14,000.00 | \$1,000.00 |
| 618.61 | UNIFORMED OFFICERS WITH VEHICLE | \$ | 96,000.000 | \$1.00 | \$96,000.00 | \$1.00 | \$96,000.00 | \$0.00 |
| 619.1 | MAINTENANCE OF TRAFFIC | U | 1.000 | \$247,000.00 | \$247,000.00 | \$200,000.00 | \$200,000.00 | \$47,000.00 |
| 619.25 | PORTABLE CHANGEABLE MESSAGE SIGN | U | 6.000 | \$2,400.00 | \$14,400.00 | \$5,000.00 | \$30,000.00 | (\$15,600.00) |
| 619.279 | AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN | U | 4.000 | \$2,500.00 | \$10,000.00 | \$5,000.00 | \$20,000.00 | (\$10,000.00) |
| 619.63 | TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3 | U | 2.000 | \$8,000.00 | \$16,000.00 | \$13,000.00 | \$26,000.00 | (\$10,000.00) |
| 621.2 | RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR | EA | 175.000 | \$4.50 | \$787.50 | \$5.00 | \$875.00 | (\$87.50) |
| 621.31 | SINGLE DELINEATOR WITH POST | EA | 405.000 | \$38.00 | \$15,390.00 | \$35.00 | \$14,175.00 | \$1,215.00 |
| 621.32 | DOUBLE DELINEATOR WITH POST | EA | 55.000 | \$40.00 | \$2,200.00 | \$40.00 | \$2,200.00 | \$0.00 |
| 622.1 | STEEL WITNESS MARKERS | EA | 75.000 | \$26.00 | \$1,950.00 | \$30.00 | \$2,250.00 | (\$300.00) |
| 625.001 | LED RETROFIT | EA | 4.000 | \$550.00 | \$2,200.00 | \$1,000.00 | \$4,000.00 | (\$1,800.00) |
| 625.62 | RESET/RELOCATE LIGHT POLE | EA | 1.000 | \$2,750.00 | \$2,750.00 | \$1,800.00 | \$1,800.00 | \$950.00 |
| 628.2 | SAWED BITUMINOUS PAVEMENT | LF | 1,020.000 | \$2.00 | \$2,040.00 | \$1.50 | \$1,530.00 | \$510.00 |
| 632.0106 | RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE | LF | 63,050.000 | \$0.15 | \$9,457.50 | \$0.20 | \$12,610.00 | (\$3,152.50) |
| 632.0112 | RETROREFLECTIVE PAINT PAVE. MARKING, 12" LINE | LF | 3,550.000 | \$0.20 | \$710.00 | \$0.40 | \$1,420.00 | (\$710.00) |
| 632.1104 | PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE | LF | 40,300.000 | \$0.72 | \$29,016.00 | \$1.25 | \$50,375.00 | (\$21,359.00) |
| 632.3104 | RETROREFLECT. THERMOPLAS. PAVE. MARKING, 4" LINE | LF | 425.000 | \$1.00 | \$425.00 | \$1.00 | \$425.00 | \$0.00 |
| 632.3106 | RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE | LF | 675.000 | \$1.52 | \$1,026.00 | \$1.40 | \$945.00 | \$81.00 |
| 632.3118 | RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE | LF | 85.000 | \$5.02 | \$426.70 | \$5.00 | \$425.00 | \$1.70 |
| 632.32 | RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD | SF | 150.000 | \$7.03 | \$1,054.50 | \$7.00 | \$1,050.00 | \$4.50 |

| | | | | | | | | |
|-----------|---|-----|-------------|--------------|--------------|--------------|--------------|-------------|
| 632.71206 | GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 6" LINE | LF | 419,000.000 | \$1.10 | \$460,900.00 | \$1.00 | \$419,000.00 | \$41,900.00 |
| 632.71212 | GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 12" LINE | LF | 18,000.000 | \$2.30 | \$41,400.00 | \$2.30 | \$41,400.00 | \$0.00 |
| 646.31 | TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS | SY | 1,140.000 | \$1.00 | \$1,140.00 | \$1.00 | \$1,140.00 | \$0.00 |
| 647.1 | HUMUS | CY | 115.000 | \$40.00 | \$4,600.00 | \$25.00 | \$2,875.00 | \$1,725.00 |
| 692. | MOBILIZATION | U | 1.000 | \$254,000.00 | \$254,000.00 | \$250,000.00 | \$250,000.00 | \$4,000.00 |
| 698.13 | FIELD OFFICE TYPE C | MON | 12.000 | \$2,000.00 | \$24,000.00 | \$1,500.00 | \$18,000.00 | \$6,000.00 |
| 699. | MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL | \$ | 8,000.000 | \$1.00 | \$8,000.00 | \$1.00 | \$8,000.00 | \$0.00 |
| 1002.1 | REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES | \$ | 40,000.000 | \$1.00 | \$40,000.00 | \$1.00 | \$40,000.00 | \$0.00 |
| 1010.15 | FUEL ADJUSTMENT | \$ | 40,000.000 | \$1.00 | \$40,000.00 | \$1.00 | \$40,000.00 | \$0.00 |
| 1010.2 | ASPHALT CEMENT ADJUSTMENT | \$ | 25,000.000 | \$1.00 | \$25,000.00 | \$1.00 | \$25,000.00 | \$0.00 |
| 1010.3 | QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT | \$ | 55,505.000 | \$1.00 | \$55,505.00 | \$1.00 | \$55,505.00 | \$0.00 |

Total:

\$3,358,918.00

\$3,331,196.10

\$27,721.90

Certificate of Insurance

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON YOU THE CERTIFICATE HOLDER. THIS CERTIFICATE IS NOT AN INSURANCE POLICY AND DOES NOT AMEND, EXTEND, OR ALTER THE COVERAGE AFFORDED BY THE POLICIES LISTED BELOW. POLICY LIMITS ARE NO LESS THAN THOSE LISTED, ALTHOUGH POLICIES MAY INCLUDE ADDITIONAL SUBLIMIT/LIMITS NOT LISTED BELOW.

This is to Certify that

Pike Industries, Inc.
3 Eastgate Park Road
Belmont NH 03220

NAME AND
ADDRESS
OF INSURED



Liberty Mutual.
INSURANCE

is, at the issue date of this certificate, insured by the Company under the policy(ies) listed below. The insurance afforded by the listed policy(ies) is subject to all their terms, exclusions and Conditions and is not altered by any requirement, term or condition of any contract or other document with respect to which this certificate may be issued.

| TYPE OF POLICY | EXP DATE | POLICY NUMBER | LIMIT OF LIABILITY | | |
|--|---|--|---|---|--|
| | <input type="checkbox"/> CONTINUOUS <input type="checkbox"/> EXTENDED <input checked="" type="checkbox"/> POLICY TERM | | | | |
| WORKERS COMPENSATION | 9/1/2017 | WA7-C8D-004095-026 WC7-C81-004095-016 | COVERAGE AFFORDED UNDER WC LAW OF THE FOLLOWING STATES: -026: All States except OH, ND, WA, WY -016: WI | EMPLOYERS LIABILITY | |
| | | | | Bodily Injury by Accident \$1,000,000 Each Accident | |
| | | | | Bodily Injury By Disease \$1,000,000 Policy Limit | |
| | | | | Bodily Injury By Disease \$1,000,000 Each Person | |
| COMMERCIAL GENERAL LIABILITY <input checked="" type="checkbox"/> OCCURRENCE <input type="checkbox"/> CLAIMS MADE | 9/1/2017 | TB2-C81-004095-116 -Per Project Aggregate included. | General Aggregate | \$2,000,000 | |
| | | | | Products / Completed Operations Aggregate | \$2,000,000 |
| | | | | Each Occurrence | \$2,000,000 |
| | | | | Personal & Advertising Injury | \$2,000,000 Per Person / Organization |
| | | | | Other Damage to Premises Rented to You: \$250,000 | Other Medical Exp: \$5,000 |
| | | | | | |
| AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> OWNED <input checked="" type="checkbox"/> NON-OWNED <input checked="" type="checkbox"/> HIRED | 9/1/2017 | AS2-C81-004095-126 | | Each Accident—Single Limit \$2,000,000 B.I. And P.D. Combined | |
| | | | | Each Person | |
| | | | | Each Accident or Occurrence | |
| | | | | Each Accident or Occurrence | |
| OTHER Automobile policy | 9/1/2016 - 9/1/2017 | AS2-C81-054502-526 | Physical Damage only -\$10,000 Comp DED -\$10,000 Coll DED | | |

| |
|------------|
| RETRO DATE |
| |

ADDITIONAL COMMENTS

Re: Manchester-Auburn X-A004(482), 40763
State of New Hampshire-DOT is listed as additional insured with regards to the general liability and automobile liability policies, where required by written contract.

* If the certificate expiration date is continuous or extended term, you will be notified if coverage is terminated or reduced before the certificate expiration date.

NOTICE OF CANCELLATION: (NOT APPLICABLE UNLESS A NUMBER OF DAYS IS ENTERED BELOW.)
BEFORE THE STATED EXPIRATION DATE THE COMPANY WILL NOT CANCEL OR REDUCE THE INSURANCE AFFORDED UNDER THE ABOVE POLICIES UNTIL AT LEAST **30** DAYS NOTICE OF SUCH CANCELLATION HAS BEEN MAILED TO:

**Liberty Mutual
Insurance Group**

Manchester-Auburn X-A004(482), 40763

Certificate Holder

State of New Hampshire-DOT
PO Box 483
Concord NH 03302

Valerie P. Reece

Valerie Reece

AUTHORIZED REPRESENTATIVE

Fairfield / 049C

9450 Seward Road

Fairfield

OH 45014

800-332-3226

5/4/2017

OFFICE

PHONE

DATE ISSUED

This certificate is executed by LIBERTY MUTUAL INSURANCE GROUP as respects such insurance as is afforded by those Companies NM 772 07-10



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/4/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Liberty Mutual Insurance Co. National Insurance East
2000 Westwood Dr.
Wausau, WI 54401

CONTACT NAME: Donna Smitala
PHONE (A/C, No, Ext): 715-870-6376 FAX (A/C, No): 715-842-6865
E-MAIL ADDRESS: Donna.Smitala@LibertyMutual.com

www.LibertyMutual.com

INSURED
Pike Industries, Inc.
3 Eastgate Park Road
Belmont NH 03220

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|--------|
| INSURER A : Liberty Mutual Fire Insurance Company | 23035 |
| INSURER B : | |
| INSURER C : | |
| INSURER D : | |
| INSURER E : | |
| INSURER F : | |

COVERAGES

CERTIFICATE NUMBER: 35447786

REVISION NUMBER:

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

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|--|-----------|----------|--------------------|-------------------------|-------------------------|--|
| | 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 OTHER: | | | | | | 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"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY | | | | | | COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ |
| A | <input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$ | | | TL2-681-054523-926 | 9/1/2016 | 9/1/2017 | EACH OCCURRENCE \$ \$5,000,000 AGGREGATE \$ \$5,000,000 Products/Completed Ops \$ \$5,000,000 |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | <input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$ |

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

Re: Manchester-Auburn X-A004(482), 40763
State of New Hampshire-DOT is listed as additional insured with regards to the excess liability policy, where required by written contract.

CERTIFICATE HOLDER

Manchester-Auburn X-A004(482), 40763

State of New Hampshire-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

Valerie Reece

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**OWNERS AND CONTRACTORS PROTECTIVE
LIABILITY DECLARATIONS**



Issued by Liberty Mutual Fire Insurance Company

Policy Number TF2-681-054545-867
Renewal of New
Account Number 8-036771

Issuing Office Bala Cynwyd, PA
Issue Date 2017-05-10
Sub Account 0000

Named Insured and Mailing Address
State of New Hampshire – D.O.T
P.O. Box 483
Concord, NH 03302-0483

Form of Business Other

Policy Period: The policy period is from 05/10/2017 to 05/10/2018 12:01 A.M. standard time at the Insured's mailing address.

Designated Contractor: Pike Industries, Inc

Mailing Address: 3 Eastgate Rd.
Belmont, NH 03220

Location of Coverage Operations: Manchester-Auburn X-A004(482), 40763 NH route 101 from Manchester to Auburn

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 \$ 1,200
Endorsement Premium \$
Total Estimated Premium \$ 1,200
Other Charges(s) \$

Policywriting Minimum Premium \$

Forms Applicable: See Attached Inventory

Producer 0002 008060
Marsh Casualty Advisory Representative
3560 Lenox Rd., Ste 2400
Atlanta, GA 30326

Producer
Helegda, J 8843
Bala Cynwyd, PA 390

Countersigned By:

Dana D. Spittler

Authorized Representative

