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New Hampshire DOT
Department of Transportation

# THE STATE OF NEW HAMPSHIRE
## DEPARTMENT OF TRANSPORTATION

48

*William Cass, P.E.*
*Commissioner*

*David Rodrigue, P.E.*
*Assistant Commissioner*

*Andre Briere, Colonel, USAF (RET)*
*Deputy Commissioner*

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

Bureau of Construction
April 24, 2023

**REQUESTED ACTION**

1. Authorize the Department of Transportation to enter into a contract with Northeast Earth Mechanics, LLC (Vendor 156610) of Pittsfield, NH, on the basis of a single bid of $974,213 for replacement of the bridge on NH 107 over Freese's Pond (BR No. 137/116) in Deerfield (Project: Deerfield #24477), from the date of Governor and Council approval through May 31, 2024, unless amended by the Department in accordance with the Standard Specifications. 100% Other Funds.

Funding is available in State Fiscal Year 2023, and is anticipated to be available in Fiscal Year 2024 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: | FY 2023 | FY 2024 |
|---|---|---|
| 04-96-96-963015-8910 | | |
| SB 367 Capital Investment | | |
| 400-500870 Highway Contract Payments | $285,305.24 | $688,907.76 |

2. Further authorize that a contingency in the amount of $48,710.65 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 5% of the contract amount.

| Funding is available as follows: | FY 2024 |
|---|---|
| 04-96-96-963015-8910 | |
| SB 367 Capital Investment | |
| 400-500870 Highway Contract Payments | $48,710.65 |

**EXPLANATION**

This project is part of the State's Ten-Year Transportation Improvement Plan, under the Bridge T3&4 R&R Priority List. This project consists of the bridge replacement of Br. No. 137/116, NH 107 over Freese's Pond. The project starts on NH 107 approximately 200 feet north of the bridge over Freese's Pond and continues approximately 400 feet to the south. The scope of work includes the removal and replacement of the existing metal pipe culvert with a Department-supplied box culvert, and limited approach roadwork.

The purpose of the project is to correct structural deficiencies with the bridge structure. The need for the project is demonstrated by the deteriorated condition of the bridge structure, which has rust and holes in the metal pipe at the waterline, and a sag in the roofline. This roofline deterioration is a major concern given the failure mode. Its current condition rating is Culvert: 2.

On July 16, 2020, the bridge was closed due to its condition. Bridge Maintenance placed a 50-foot-long I-BC bridge with steel plate deck to span the structure as a temporary fix and the bridge reopened on July 21, 2020.

On November 21, 2022, the bridge was closed again due to its condition. Bridge Maintenance performed repairs and the bridge reopened on November 22, 2022.

The proposed contingency amount is 5% of the contract amount. This is to account for the risks associated with the 30-day roadway closure and weather conditions during this time.

Although the bid costs exceeded the Department's estimate by 13.67%, the sole bid received is felt to be reasonable for the work involved. There were 4 items that comprised most of the bid overage, 503.201 Cofferdams (+$75,000), 503.101 Water Diversion Structure (+$50,000), 529.012 Precast Concrete Box Culvert (Installation Only) (+$50,000) and 692 Mobilization (+$20,000). Readvertising 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: 100% - SB 367 Capital Investment

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,

William J. Cass
Commissioner

WJC/pcj

| | |
|---|---|
| Department Estimate: | $857,052.50 |
| Contract Amount: | $974,213.00 |
| Over Estimate: | $117,160.50 |

Attachments

New Hampshire DOT
Department of Transportation

# ABC Bid Data

DEERFIELD
24477

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | DEERFIELD | **Awarded To:** | NORTHEAST EARTH MECHANICS LLC<br>159 BARNSTEAD ROAD<br>PITTSFIELD, NH 03263 | | |
| **STATE PROJECT NUMBER:** | 24477 | | | | |
| **DATE BIDS OPEN:** | April 13, 2023, 2:00 | | | | |
| **SCOPE OF WORK:** | NH 107 over Freese's Pond - Replace Bridge Number 137/116. | **Amount:** | $974,213.00 | **Certified by:** | WILLIAM.J.OLDENBURG<br>Director of Project Development |
| **COMPLETION DATE:** | May 31, 2024 | **Award Date:** | | | |
| **LOCATION:** | Rockingham, District 6 | | | | |

## Summary of Bidders

| Contractor | Bid Amount | Rank |
|---|---|---|
| NORTHEAST EARTH MECHANICS LLC<br>159 BARNSTEAD ROAD, PITTSFIELD NH 03263 | $974,213.00 | A |

New Hampshire DOT
Department of Transportation

# ABC Bid Data

DEERFIELD
24477

| Item No. | Description | Unit | Quantity | PSAE Unit Price | PSAE Total | NORTHEAST EARTH MECHANICS LLC 159 BARNSTEAD ROAD PITTSFIELD, NH 03263 Unit Price | NORTHEAST EARTH MECHANICS LLC Total | Unit Price | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Items** | | | | | | | | | |
| 202.7 | REMOVAL OF GUARDRAIL | LF | 410.00 | $4.00 | $1,640.00 | $6.00 | $2,460.00 | | |
| 203.1 | COMMON EXCAVATION | CY | 565.00 | $30.00 | $16,950.00 | $19.00 | $10,735.00 | | |
| 203.11 | COMMON EXCAVATION - LRS | CY | 135.00 | $45.00 | $6,075.00 | $30.00 | $4,050.00 | | |
| 203.5572 | EAGRT PLATFORM ALTERNATE, TL 2 - 25' | U | 4.00 | $1,700.00 | $6,800.00 | $1,000.00 | $4,000.00 | | |
| 203.6 | EMBANKMENT-IN-PLACE (F) | CY | 50.00 | $20.00 | $1,000.00 | $19.00 | $950.00 | | |
| 207.1 | COMMON CHANNEL EXCAVATION | CY | 170.00 | $40.00 | $6,800.00 | $34.00 | $5,780.00 | | |
| 209.201 | GRANULAR BACKFILL (BRIDGE) (F) | CY | 460.00 | $55.00 | $25,300.00 | $43.00 | $19,780.00 | | |
| 304.2 | GRAVEL (F) | CY | 260.00 | $35.00 | $9,100.00 | $32.00 | $8,320.00 | | |
| 304.3 | CRUSHED GRAVEL (F) | CY | 190.00 | $50.00 | $9,500.00 | $40.00 | $7,600.00 | | |
| 304.32 | CRUSHED GRAVEL FOR SHOULDER LEVELING | TON | 63.00 | $65.00 | $4,095.00 | $50.00 | $3,150.00 | | |
| 403.11023 | HBP-3/4" BINDER MIX, MACHINE METHOD | TON | 210.00 | $175.00 | $36,750.00 | $135.00 | $28,350.00 | | |
| 403.11043 | HBP-1/2" SURFACE MIX, MACHINE METHOD | TON | 95.00 | $175.00 | $16,625.00 | $150.00 | $14,250.00 | | |
| 403.16 | PAVEMENT JOINT ADHESIVE | LF | 2,110.00 | $1.00 | $2,110.00 | $1.00 | $2,110.00 | | |
| 410.22 | ASPHALT EMULSION FOR TACK COAT | GAL | 45.00 | $25.00 | $1,125.00 | $15.00 | $675.00 | | |
| 417. | COLD PLANING BITUMINOUS SURFACES | SY | 270.00 | $35.00 | $9,450.00 | $20.00 | $5,400.00 | | |
| 502.101 | REMOVAL OF EXISTING BRIDGE STRUCTURE | U | 1.00 | $10,000.00 | $10,000.00 | $20,000.00 | $20,000.00 | | |
| 502.102 | REMOVAL OF EXISTING BRIDGE STRUCTURE | U | 1.00 | $25,000.00 | $25,000.00 | $20,000.00 | $20,000.00 | | |
| 503.101 | WATER DIVERSION STRUCTURE | U | 1.00 | $25,000.00 | $25,000.00 | $75,000.00 | $75,000.00 | | |
| 503.201 | COFFERDAMS | U | 1.00 | $150,000.00 | $150,000.00 | $225,000.00 | $225,000.00 | | |
| 504.1 | COMMON BRIDGE EXCAVATION (F) | CY | 480.00 | $75.00 | $36,000.00 | $33.00 | $15,840.00 | | |
| 508. | STRUCTURAL FILL | CY | 50.00 | $78.00 | $3,900.00 | $67.00 | $3,350.00 | | |
| 529.012 | PRECAST CONCRETE BOX CULVERT (BRIDGE) (INSTALLATION ONLY) | U | 1.00 | $50,000.00 | $50,000.00 | $100,000.00 | $100,000.00 | | |
| 538.1 | BARRIER MEMBRANE, PEEL AND STICK (F) | SY | 45.00 | $35.00 | $1,575.00 | $50.00 | $2,250.00 | | |
| 538.2 | BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F) | SY | 30.00 | $78.00 | $2,340.00 | $50.00 | $1,500.00 | | |

New Hampshire DOT
Department of Transportation

# ABC Bid Data

DEERFIELD
24477

| Item No. | Description | Unit | Quantity | PS&E Unit Price | PS&E Total | NORTHEAST EARTH MECHANICS LLC 159 BARNSTEAD ROAD PITTSFIELD, NH 03263 Unit Price | Total | Unit Price | Total |
|---|---|---|---|---|---|---|---|---|---|
| 563.3 | BRIDGE RAIL T101 | LF | 31.00 | $140.00 | $4,340.00 | $310.00 | $9,610.00 | | |
| 583.5 | RIPRAP, CLASS V | CY | 215.00 | $80.00 | $17,200.00 | $75.00 | $16,125.00 | | |
| 585.3401 | SIMULATED STREAMBED MATERIAL | CY | 55.00 | $60.00 | $3,300.00 | $100.00 | $5,500.00 | | |
| 593.221 | GEOTEXTILE; SEPARATION CL.2, NON-WOVEN | SY | 410.00 | $5.00 | $2,050.00 | $3.00 | $1,230.00 | | |
| 593.321 | GEOTEXTILE; STABILIZATION CL.2, NON-WOVEN | SY | 250.00 | $5.00 | $1,250.00 | $3.00 | $750.00 | | |
| 606.12551 | BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2 - 25') (STEEL POST) | U | 4.00 | $4,000.00 | $16,000.00 | $4,200.00 | $16,800.00 | | |
| 606.1285 | BEAM GUARDRAIL (BRIDGE APPROACH UNIT) | U | 4.00 | $5,000.00 | $20,000.00 | $6,400.00 | $25,600.00 | | |
| 606.18001 | 31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST) | LF | 237.50 | $35.00 | $8,312.50 | $34.00 | $8,075.00 | | |
| 609.01 | STRAIGHT GRANITE CURB | LF | 100.00 | $40.00 | $4,000.00 | $75.00 | $7,500.00 | | |
| 615.033 | REMOVING TRAFFIC SIGN, TYPE C | U | 2.00 | $45.00 | $90.00 | $75.00 | $150.00 | | |
| 618.81 | UNIFORMED OFFICERS WITH VEHICLE | $ | 6,000.00 | $1.00 | $6,000.00 | $1.00 | $6,000.00 | | |
| 618.7 | FLAGGERS | HR | 600.00 | $50.00 | $30,000.00 | $55.25 | $33,150.00 | | |
| 619.1 | MAINTENANCE OF TRAFFIC | U | 1.00 | $65,000.00 | $65,000.00 | $45,000.00 | $45,000.00 | | |
| 619.25 | PORTABLE CHANGEABLE MESSAGE SIGN | U | 4.00 | $6,000.00 | $24,000.00 | $3,500.00 | $14,000.00 | | |
| 619.279 | AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN | U | 2.00 | $3,500.00 | $7,000.00 | $2,200.00 | $4,400.00 | | |
| 621.2 | RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR | EA | 2.00 | $10.00 | $20.00 | $9.00 | $18.00 | | |
| 621.31 | SINGLE DELINEATOR WITH POST | EA | 2.00 | $55.00 | $110.00 | $67.00 | $134.00 | | |
| 621.32 | DOUBLE DELINEATOR WITH POST | EA | 2.00 | $65.00 | $130.00 | $78.00 | $156.00 | | |
| 628.2 | SAWED BITUMINOUS PAVEMENT | LF | 55.00 | $5.00 | $275.00 | $10.00 | $550.00 | | |
| 632.0104 | RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE | LF | 4,800.00 | $1.00 | $4,800.00 | $0.50 | $2,400.00 | | |
| 645.0001 | TURBIDITY BARRIER | LF | 200.00 | $78.00 | $15,600.00 | $25.00 | $5,000.00 | | |
| 645.42 | TEMPORARY SLOPE MATTING TYPE B (WILDLIFE FRIENDLY) | SY | 345.00 | $6.00 | $2,070.00 | $3.00 | $1,035.00 | | |
| 645.512 | COMPOST SOCK FOR PERIMETER BERM | LF | 420.00 | $6.00 | $2,520.00 | $7.00 | $2,940.00 | | |
| 645.531 | SILT FENCE | LF | 420.00 | $5.00 | $2,100.00 | $7.00 | $2,940.00 | | |
| 645.611 | BONDED FIBER MATRIX (BFM) | LB | 400.00 | $2.00 | $800.00 | $5.00 | $2,000.00 | | |
| 645.7 | STORM WATER POLLUTION PREVENTION PLAN | U | 1.00 | $2,500.00 | $2,500.00 | $10,000.00 | $10,000.00 | | |

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| Item No. | Description | Unit | Quantity | PS&E Unit Price | PS&E Total | NORTHEAST EARTH MECHANICS LLC 159 BARNSTEAD ROAD PITTSFIELD, NH 03263 Unit Price | Total | Unit Price | Total |
|---|---|---|---|---|---|---|---|---|---|
| 645.71 | MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS | HR | 40.00 | $100.00 | $4,000.00 | $130.00 | $5,200.00 | | |
| 645.72 | FINAL WETLAND IMPACT REPORT | U | 1.00 | $5,000.00 | $5,000.00 | $3,000.00 | $3,000.00 | | |
| 646.21 | TURF ESTABLISHMENT WITHOUT MULCH | SY | 550.00 | $2.00 | $1,100.00 | $3.00 | $1,650.00 | | |
| 647.1 | HUMUS | CY | 45.00 | $30.00 | $1,350.00 | $50.00 | $2,250.00 | | |
| 670.04999 | REMOVE TEMPORARY ACCESS ROAD | U | 1.00 | $5,000.00 | $5,000.00 | $5,000.00 | $5,000.00 | | |
| 692. | MOBILIZATION | U | 1.00 | $75,000.00 | $75,000.00 | $95,000.00 | $95,000.00 | | |
| 697.31 | PROJECT OPERATIONS PLAN | U | 1.00 | $5,000.00 | $5,000.00 | $2,500.00 | $2,500.00 | | |
| 698.13 | FIELD OFFICE TYPE C | MON | 12.00 | $2,000.00 | $24,000.00 | $1,500.00 | $18,000.00 | | |
| 699. | MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL | $ | 25,000.00 | $1.00 | $25,000.00 | $1.00 | $25,000.00 | | |
| 1008.8 | ALTERATIONS AND ADDITIONS AS NEEDED - WINTER MAINTENANCE | $ | 5,000.00 | $1.00 | $5,000.00 | $1.00 | $5,000.00 | | |
| 1010.15 | FUEL ADJUSTMENT | $ | 10,000.00 | $1.00 | $10,000.00 | $1.00 | $10,000.00 | | |
| | | | Totals: | | $857,052.50 | | $974,213.00 | | |
| | | | Alt. Totals: | | | | | | |
| | | | Totals: | | $857,052.50 | | $974,213.00 | | |

# PS&E Comparison

DEERFIELD
24477

| | | | | A-Bidder | | PS&E | | |
|---|---|---|---|---|---|---|---|---|
| Item No. | Description | Unit | Quantity | Unit Price | Total | Unit Price | Total | A-PS&E Difference |
| **Items** | | | | | | | | |
| 202.7 | REMOVAL OF GUARDRAIL | LF | 410.00 | $6.00 | $2,460.00 | $4.00 | $1,640.00 | $820.00 |
| 203.1 | COMMON EXCAVATION | CY | 565.00 | $19.00 | $10,735.00 | $30.00 | $16,950.00 | ($6,215.00) |
| 203.11 | COMMON EXCAVATION - LRS | CY | 135.00 | $30.00 | $4,050.00 | $45.00 | $6,075.00 | ($2,025.00) |
| 203.5572 | EAGRT PLATFORM ALTERNATE, TL 2 - 25' | U | 4.00 | $1,000.00 | $4,000.00 | $1,700.00 | $6,800.00 | ($2,800.00) |
| 203.6 | EMBANKMENT-IN-PLACE (F) | CY | 50.00 | $19.00 | $950.00 | $20.00 | $1,000.00 | ($50.00) |
| 207.1 | COMMON CHANNEL EXCAVATION | CY | 170.00 | $34.00 | $5,780.00 | $40.00 | $6,800.00 | ($1,020.00) |
| 209.201 | GRANULAR BACKFILL (BRIDGE) (F) | CY | 460.00 | $43.00 | $19,780.00 | $55.00 | $25,300.00 | ($5,520.00) |
| 304.2 | GRAVEL (F) | CY | 260.00 | $32.00 | $8,320.00 | $35.00 | $9,100.00 | ($780.00) |
| 304.3 | CRUSHED GRAVEL (F) | CY | 190.00 | $40.00 | $7,600.00 | $50.00 | $9,500.00 | ($1,900.00) |
| 304.32 | CRUSHED GRAVEL FOR SHOULDER LEVELING | TON | 63.00 | $50.00 | $3,150.00 | $65.00 | $4,095.00 | ($945.00) |
| 403.11023 | HBP-3/4" BINDER MIX, MACHINE METHOD | TON | 210.00 | $135.00 | $28,350.00 | $175.00 | $36,750.00 | ($8,400.00) |
| 403.11043 | HBP-1/2" SURFACE MIX, MACHINE METHOD | TON | 95.00 | $150.00 | $14,250.00 | $175.00 | $16,625.00 | ($2,375.00) |
| 403.16 | PAVEMENT JOINT ADHESIVE | LF | 2,110.00 | $1.00 | $2,110.00 | $1.00 | $2,110.00 | $0.00 |
| 410.22 | ASPHALT EMULSION FOR TACK COAT | GAL | 45.00 | $15.00 | $675.00 | $25.00 | $1,125.00 | ($450.00) |
| 417. | COLD PLANING BITUMINOUS SURFACES | SY | 270.00 | $20.00 | $5,400.00 | $35.00 | $9,450.00 | ($4,050.00) |

New Hampshire DOT
Department of Transportation

# PS&E Comparison

DEERFIELD
24477

| | | | | A-Bidder | | PS&E | | |
|---|---|---|---|---|---|---|---|---|
| Item No. | Description | Unit | Quantity | Unit Price | Total | Unit Price | Total | A-PS&E Difference |
| 502.101 | REMOVAL OF EXISTING BRIDGE STRUCTURE | U | 1.00 | $20,000.00 | $20,000.00 | $10,000.00 | $10,000.00 | $10,000.00 |
| 502.102 | REMOVAL OF EXISTING BRIDGE STRUCTURE | U | 1.00 | $20,000.00 | $20,000.00 | $25,000.00 | $25,000.00 | ($5,000.00) |
| 503.101 | WATER DIVERSION STRUCTURE | U | 1.00 | $75,000.00 | $75,000.00 | $25,000.00 | $25,000.00 | $50,000.00 |
| 503.201 | COFFERDAMS | U | 1.00 | $225,000.00 | $225,000.00 | $150,000.00 | $150,000.00 | $75,000.00 |
| 504.1 | COMMON BRIDGE EXCAVATION (F) | CY | 480.00 | $33.00 | $15,840.00 | $75.00 | $36,000.00 | ($20,160.00) |
| 508. | STRUCTURAL FILL | CY | 50.00 | $67.00 | $3,350.00 | $78.00 | $3,900.00 | ($550.00) |
| 529.012 | PRECAST CONCRETE BOX CULVERT (BRIDGE) (INSTALLATION ONLY) | U | 1.00 | $100,000.00 | $100,000.00 | $50,000.00 | $50,000.00 | $50,000.00 |
| 538.1 | BARRIER MEMBRANE, PEEL AND STICK (F) | SY | 45.00 | $50.00 | $2,250.00 | $35.00 | $1,575.00 | $675.00 |
| 538.2 | BARRIER MEMBRANE, PEEL AND STICK - VERTICAL SURFACES (F) | SY | 30.00 | $50.00 | $1,500.00 | $78.00 | $2,340.00 | ($840.00) |
| 563.3 | BRIDGE RAIL T101 | LF | 31.00 | $310.00 | $9,610.00 | $140.00 | $4,340.00 | $5,270.00 |
| 583.5 | RIPRAP, CLASS V | CY | 215.00 | $75.00 | $16,125.00 | $80.00 | $17,200.00 | ($1,075.00) |
| 585.3401 | SIMULATED STREAMBED MATERIAL | CY | 55.00 | $100.00 | $5,500.00 | $60.00 | $3,300.00 | $2,200.00 |
| 593.221 | GEOTEXTILE; SEPARATION CL.2, NON-WOVEN | SY | 410.00 | $3.00 | $1,230.00 | $5.00 | $2,050.00 | ($820.00) |
| 593.321 | GEOTEXTILE; STABILIZATION CL.2, NON-WOVEN | SY | 250.00 | $3.00 | $750.00 | $5.00 | $1,250.00 | ($500.00) |
| 606.12551 | BEAM GUARDRAIL (TERMINAL UNIT TYPE EAGRT, TL 2 - 25') (STEEL POST) | U | 4.00 | $4,200.00 | $16,800.00 | $4,000.00 | $16,000.00 | $800.00 |
| 606.1285 | BEAM GUARDRAIL (BRIDGE APPROACH UNIT) | U | 4.00 | $6,400.00 | $25,600.00 | $5,000.00 | $20,000.00 | $5,600.00 |

New Hampshire DOT
Department of Transportation

# PS&E Comparison

DEERFIELD
24477

| | | | | A-Bidder | | PS&E | | |
|---|---|---|---|---|---|---|---|---|
| Item No. | Description | Unit | Quantity | Unit Price | Total | Unit Price | Total | A-PS&E Difference |
| 606.18001 | 31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST) | LF | 237.50 | $34.00 | $8,075.00 | $35.00 | $8,312.50 | ($237.50) |
| 609.01 | STRAIGHT GRANITE CURB | LF | 100.00 | $75.00 | $7,500.00 | $40.00 | $4,000.00 | $3,500.00 |
| 615.033 | REMOVING TRAFFIC SIGN, TYPE C | U | 2.00 | $75.00 | $150.00 | $45.00 | $90.00 | $60.00 |
| 618.61 | UNIFORMED OFFICERS WITH VEHICLE | $ | 6,000.00 | $1.00 | $6,000.00 | $1.00 | $6,000.00 | $0.00 |
| 618.7 | FLAGGERS | HR | 600.00 | $55.25 | $33,150.00 | $50.00 | $30,000.00 | $3,150.00 |
| 619.1 | MAINTENANCE OF TRAFFIC | U | 1.00 | $45,000.00 | $45,000.00 | $65,000.00 | $65,000.00 | ($20,000.00) |
| 619.25 | PORTABLE CHANGEABLE MESSAGE SIGN | U | 4.00 | $3,500.00 | $14,000.00 | $6,000.00 | $24,000.00 | ($10,000.00) |
| 619.279 | AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN | U | 2.00 | $2,200.00 | $4,400.00 | $3,500.00 | $7,000.00 | ($2,600.00) |
| 621.2 | RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR | EA | 2.00 | $9.00 | $18.00 | $10.00 | $20.00 | ($2.00) |
| 621.31 | SINGLE DELINEATOR WITH POST | EA | 2.00 | $67.00 | $134.00 | $55.00 | $110.00 | $24.00 |
| 621.32 | DOUBLE DELINEATOR WITH POST | EA | 2.00 | $78.00 | $156.00 | $65.00 | $130.00 | $26.00 |
| 628.2 | SAWED BITUMINOUS PAVEMENT | LF | 55.00 | $10.00 | $550.00 | $5.00 | $275.00 | $275.00 |
| 632.0104 | RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE | LF | 4,800.00 | $0.50 | $2,400.00 | $1.00 | $4,800.00 | ($2,400.00) |
| 645.0001 | TURBIDITY BARRIER | LF | 200.00 | $25.00 | $5,000.00 | $78.00 | $15,600.00 | ($10,600.00) |
| 645.42 | TEMPORARY SLOPE MATTING TYPE B (WILDLIFE FRIENDLY) | SY | 345.00 | $3.00 | $1,035.00 | $6.00 | $2,070.00 | ($1,035.00) |
| 645.512 | COMPOST SOCK FOR PERIMETER BERM | LF | 420.00 | $7.00 | $2,940.00 | $6.00 | $2,520.00 | $420.00 |

New Hampshire DOT
Department of Transportation

# PS&E Comparison

DEERFIELD
24477

| | | | | A-Bidder | | PS&E | | |
|---|---|---|---|---|---|---|---|---|
| Item No. | Description | Unit | Quantity | Unit Price | Total | Unit Price | Total | A-PS&E Difference |
| 645.531 | SILT FENCE | LF | 420.00 | $7.00 | $2,940.00 | $5.00 | $2,100.00 | $840.00 |
| 645.611 | BONDED FIBER MATRIX (BFM) | LB | 400.00 | $5.00 | $2,000.00 | $2.00 | $800.00 | $1,200.00 |
| 645.7 | STORM WATER POLLUTION PREVENTION PLAN | U | 1.00 | $10,000.00 | $10,000.00 | $2,500.00 | $2,500.00 | $7,500.00 |
| 645.71 | MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS | HR | 40.00 | $130.00 | $5,200.00 | $100.00 | $4,000.00 | $1,200.00 |
| 645.72 | FINAL WETLAND IMPACT REPORT | U | 1.00 | $3,000.00 | $3,000.00 | $5,000.00 | $5,000.00 | ($2,000.00) |
| 646.21 | TURF ESTABLISHMENT WITHOUT MULCH | SY | 550.00 | $3.00 | $1,650.00 | $2.00 | $1,100.00 | $550.00 |
| 647.1 | HUMUS | CY | 45.00 | $50.00 | $2,250.00 | $30.00 | $1,350.00 | $900.00 |
| 670.04999 | REMOVE TEMPORARY ACCESS ROAD | U | 1.00 | $5,000.00 | $5,000.00 | $5,000.00 | $5,000.00 | $0.00 |
| 692. | MOBILIZATION | U | 1.00 | $95,000.00 | $95,000.00 | $75,000.00 | $75,000.00 | $20,000.00 |
| 697.31 | PROJECT OPERATIONS PLAN | U | 1.00 | $2,500.00 | $2,500.00 | $5,000.00 | $5,000.00 | ($2,500.00) |
| 698.13 | FIELD OFFICE TYPE C | MON | 12.00 | $1,500.00 | $18,000.00 | $2,000.00 | $24,000.00 | ($6,000.00) |
| 699. | MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL | $ | 25,000.00 | $1.00 | $25,000.00 | $1.00 | $25,000.00 | $0.00 |
| 1008.8 | ALTERATIONS AND ADDITIONS AS NEEDED - WINTER MAINTENANCE | $ | 5,000.00 | $1.00 | $5,000.00 | $1.00 | $5,000.00 | $0.00 |
| 1010.15 | FUEL ADJUSTMENT | $ | 10,000.00 | $1.00 | $10,000.00 | $1.00 | $10,000.00 | $0.00 |
| | | | Total: | | $974,213.00 | | $857,052.50 | $117,160.50 |

February 21, 2023

# SUPPLEMENTAL PROJECT INFORMATION SHEET

**DESCRIPTION:** This project consists of the bridge replacement of Br. No. 137/116, NH 107 over Freeses Pond. The project starts on NH 107 approximately 200 feet north of the bridge over Freeses Pond and continues approximately 400 feet to the south. The scope of work includes the removal and replacement of the existing metal pipe culvert with a Department-supplied box culvert, and limited approach roadwork.

**FEDERAL FUNDING:** 0% (100% - SB 367).

**CONTINGENCY:** The proposed contingency amount is 5% of the contract amount. This is to account for the risks associated with the 30-day roadway closure and weather conditions during this time.

**PROJECT INITIATED:** This project was initiated through the Bridge T3&4 R&R Priority List.

**PROJECT EXPLANATION:** The purpose of the project is to correct structural deficiencies with the bridge structure. The need for the project is demonstrated by the deteriorated condition of the bridge structure, which has rust and holes in the metal pipe at the waterline, and a sag in the roofline. This roofline deterioration is a major concern given the failure mode. Its current condition rating is Culvert: 2.

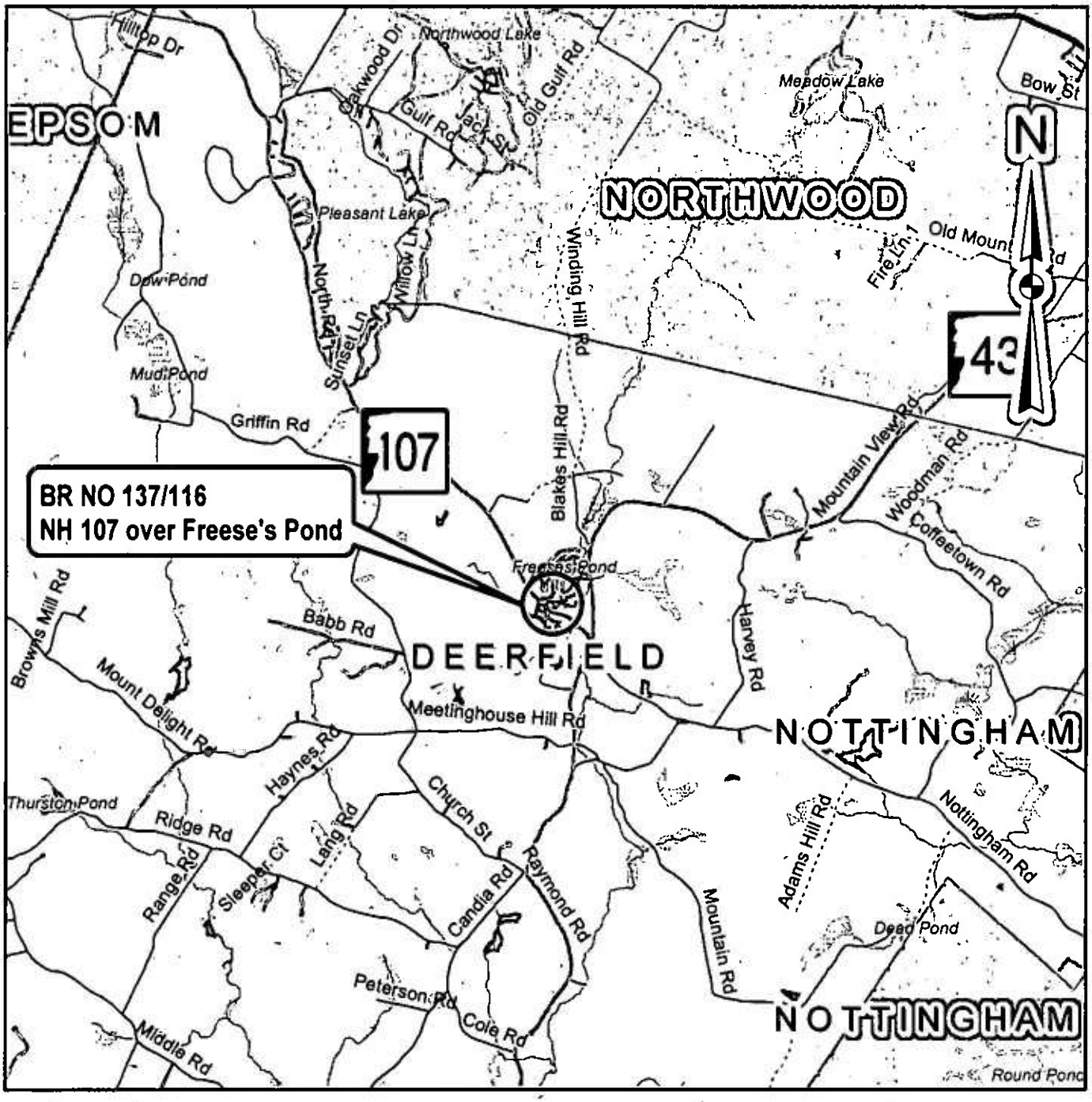
On July 16, 2020, the bridge was closed due to its condition. Bridge Maintenance placed a 50-foot-long I-BC bridge with steel plate deck to span the structure as a temporary fix and the bridge reopened on July 21, 2020.

On November 21, 2022, the bridge was closed again due to its condition. Bridge Maintenance performed repairs and the bridge reopened on November 22, 2022.

**TRAFFIC IMPLICATION:** The culvert will be replaced during a 30-day road closure that will NOT affect the Deerfield Fair. There is a 19.5-mile detour on NH 107, US 4 and NH 43. Outside of this window, short-term one lane, alternating two-way traffic will be allowed during work hours to complete pre-closure and post-closure construction activities.

**FINAL COMPLETION DATE:** May 31, 2024.

# DEERFIELD - NH ROUTE 107




Miles

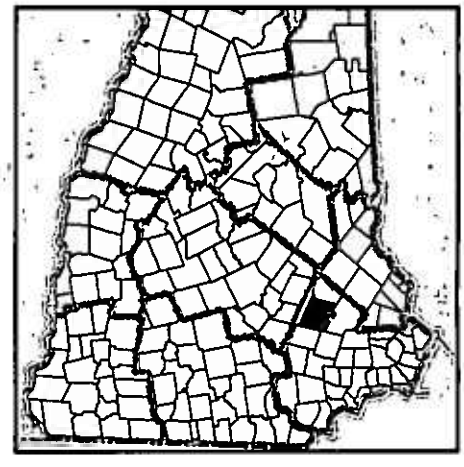
1 ½ 0 1 2

**LEGEND**

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

New Hampshire DOT
Department of Transportation

State #: 24477
Federal #: X-A002(898)
LOCATION MAP



# State of New Hampshire

# Department of State

CERTIFICATE

I, David M. Scanlan, Secretary of State of the State of New Hampshire, do hereby certify that NORTHEAST EARTH MECHANICS, LLC is a New Hampshire Limited Liability Company registered to transact business in New Hampshire on November 09, 1988. I further certify that all fees and documents required by the Secretary of State's office have been received and is in good standing as far as this office is concerned.

Business ID: **136326**

Certificate Number: **0006197591**

IN TESTIMONY WHEREOF,

I hereto set my hand and cause to be affixed the Seal of the State of New Hampshire, this 5th day of April A.D. 2023.

David M. Scanlan

Secretary of State

NORTHEAST EARTH MECHANICS, LLC

159 Barnstead Road
Pittsfield, NH 03263
P. (603) 435-7989 F. (603)435-7950
www.neearth.com

**LIMITED LIABILITY COMPANY**
**AUTHORIZATION RESOLUTION**

I, Nancy Bartlett, certify that I am the Assistant Secretary of NorthEast Earth Mechanics, LLC, a Limited Liability Company organized under the laws of the State of New Hampshire, and that the resolution on this document is a true copy of the resolution adopted at a duly convened meeting held on December 10, 2021 of all persons designated by the members of the Limited Liability Company to manage the Limited Liability Company as provide in the Limited Liability Company Agreement effective December 10, 2021. I also certify that said resolution has not been amended or revoked and is still in full force and effect.

RESOLVED that the Secretary & Treasurer of this Limited Liability Company (LLC) is hereby authorized from time to time, in the name of the LLC to enter into contracts for work to be done with any entity(ies) she deems prudent and to execute and deliver any such agreements and instruments and any related documents in the name of and on behalf of this LLC. The authority given hereunder shall be deemed to be retroactive, and all acts authorized hereunder performed prior to the passage of this resolution are hereby ratified and affirmed.

I further certify that the office referred to in the foregoing resolution is now held by Crystal L. Marston.

Dated: 4/20/23

Nancy Bartlett, Assistant Secretary
NorthEast Earth Mechanics, LLC
159 Barnstead Road
Pittsfield, NH 03263
(603) 435-7989

NORTEAR-01 KATHY1

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/24/2023

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
The Davis Agency, LLC
24 Warren Street
Concord, NH 03301

CONTACT NAME: Kathleen Pettit
PHONE (A/C, No, Ext):
FAX (A/C, No):
E-MAIL ADDRESS:

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|
| INSURER A : Acadia Insurance Company | 31325 |
| INSURER B : | |
| INSURER C : | |
| INSURER D : | |
| INSURER E : | |
| INSURER F : | |

INSURED
NorthEast Earth Mechanics, LLC
159 Barnstead Road
Pittsfield, NH 03263

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

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

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | X COMMERCIAL GENERAL LIABILITY | | | | | | | |
| | CLAIMS-MADE / X OCCUR | X | | CPA5198627-18 | 4/23/2023 | 4/23/2024 | EACH OCCURRENCE | $ 1,000,000 |
| | | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | $ 300,000 |
| | | | | | | | MED EXP (Any one person) | $ 10,000 |
| | | | | | | | PERSONAL & ADV INJURY | $ 1,000,000 |
| | GEN'L AGGREGATE LIMIT APPLIES PER: | | | | | | GENERAL AGGREGATE | $ 2,000,000 |
| | POLICY / X PRO-JECT / X LOC | | | | | | PRODUCTS - COMP/OP AGG | $ 2,000,000 |
| | OTHER: | | | | | | | $ |
| A | AUTOMOBILE LIABILITY | | | | | | COMBINED SINGLE LIMIT (Ea accident) | $ 1,000,000 |
| | X ANY AUTO | X | | CAA5198635-18 | 4/23/2023 | 4/23/2024 | BODILY INJURY (Per person) | $ |
| | OWNED AUTOS ONLY / SCHEDULED AUTOS | | | | | | BODILY INJURY (Per accident) | $ |
| | X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY | | | | | | PROPERTY DAMAGE (Per accident) | $ |
| | | | | | | | | $ |
| A | X UMBRELLA LIAB / X OCCUR | | | | | | EACH OCCURRENCE | $ 10,000,000 |
| | EXCESS LIAB / CLAIMS-MADE | X | | CUA5198637-18 | 4/23/2023 | 4/23/2024 | AGGREGATE | $ 10,000,000 |
| | DED / X RETENTION $ 0 | | | | | | Prod/Comp. Ops | $ 10,000,000 |
| A | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY | | | | | | X PER STATUTE / OTH-ER | |
| | ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N N | N/A | | WPA5198638-19 | 4/23/2023 | 4/23/2024 | E.L. EACH ACCIDENT | $ 1,000,000 |
| | If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | 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)
**Workers Compensation 3A States: NH, MA, ME

RE: Deerfield 24477. It is agreed and understood that the State of New Hampshire, Department of Transportation is included as additional insured on a primary and non-contributory basis on General Liability for ongoing operations, Automobile and Umbrella when required by written contract.

CERTIFICATE HOLDER

State of New Hampshire, Dept. of Transportation
7 Hazen Drive, PO Box 483
Concord, NH 03302-0483

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE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NORTEAR-01 KATHY1

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/23/2023

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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
The Davis Agency, LLC
24 Warren Street
Concord, NH 03301

CONTACT NAME: Kathleen Pettit
PHONE (A/C, No, Ext):
FAX (A/C, No):
E-MAIL ADDRESS:

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|
| INSURER A : Acadia Insurance Company | 31325 |
| INSURER B : | |
| INSURER C : | |
| INSURER D : | |
| INSURER E : | |
| INSURER F : | |

INSURED
State of New Hamsphire, Dept. of Transportation
7 Hazen Drive
PO Box 483
Concord, NH 03302

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

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| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | COMMERCIAL GENERAL LIABILITY | | | | | | EACH OCCURRENCE | $ 2,000,000 |
| | [ ] CLAIMS-MADE [X] OCCUR | | | BINDER/OCP | 4/20/2023 | 11/20/2024 | DAMAGE TO RENTED PREMISES (Ea occurrence) | $ |
| | [X] Owners & Contractors | | | | | | MED EXP (Any one person) | $ |
| | [X] Protective Liab. | | | | | | PERSONAL & ADV INJURY | $ |
| | GEN'L AGGREGATE LIMIT APPLIES PER: | | | | | | GENERAL AGGREGATE | $ 3,000,000 |
| | [ ] POLICY [X] PRO-JECT [ ] LOC | | | | | | PRODUCTS - COMP/OP AGG | $ |
| | [ ] OTHER: | | | | | | | $ |
| | AUTOMOBILE LIABILITY | | | | | | COMBINED SINGLE LIMIT (Ea accident) | $ |
| | [ ] ANY AUTO | | | | | | BODILY INJURY (Per person) | $ |
| | [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS | | | | | | BODILY INJURY (Per accident) | $ |
| | [ ] HIRED AUTOS ONLY [ ] NON-OWNED AUTOS ONLY | | | | | | PROPERTY DAMAGE (Per accident) | $ |
| | | | | | | | | $ |
| | [ ] UMBRELLA LIAB [ ] OCCUR | | | | | | EACH OCCURRENCE | $ |
| | [ ] EXCESS LIAB [ ] CLAIMS-MADE | | | | | | AGGREGATE | $ |
| | [ ] DED [ ] RETENTION $ | | | | | | | $ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY | | | | | | [ ] PER STATUTE [ ] OTH-ER | |
| | ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N [ ] | N / A | | | | | E.L. EACH ACCIDENT | $ |
| | If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | 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: Deerfield 24477.

CERTIFICATE HOLDER

State of New Hampshire, Department of Transportation
7 Hazen Drive
PO Box 483
Concord, NH 03302

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AUTHORIZED REPRESENTATIVE


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