FREEPORT
CUMBERLAND COUNTY
Interstate 295
NHPP-2287(100)
HIGHWAY LIGHTING

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PROJECT LOCATION: Freeport, Interstate 295 at EXIT 22

PROGRAM AREA: Multimodal Program

GENERAL NOTES - HIGHWAY LIGHTING

1. WORK TO BE TERMS OF WORK TO INCLUDE RELOCATION OF EXISTING CONDUIT, RELOCATION OF EXISTING JUNCTION BOXES AND EXISTING LIGHT FIXTURES, INSTALLATION OF ALL NEW LIGHT FIXTURES AND INSTALLATION OF ALL NEW CONDUIT, COMPLETE ALL EXISTING LIGHTING SYSTEMS TO BE REMOVED AND DISCARDED.

2. ALL EXISTING CONDUIT WILL BE REMOVED AND DISCARDED.

3. ALL EXISTING JUNCTION BOXES WILL BE REMOVED AND DISCARDED.

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100. ALL EXISTING LIGHT FIXTURES WILL BE REMOVED AND DISCARDED.
Township 2 Range 8 NWP
PENOBSCOT COUNTY
NHPP-2301(400)
HIGHWAY LIGHTING

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PROJECT LOCATION: Township 2 Range 8 NWP, Interstate 95 at EXIT 227

PROGRAM AREA: MULTIMODAL PROGRAM

SCOPE OF WORK: Highway Lighting - High Mast Light Poles, Foundations, LED Luminaires, Conduit, Wiring and Incidentals
1. SCOPED WORK - INSTALL HIGHWAY LIGHTING AS SHOWN ON THIS PLAN. INSTALL NEW CONDUIT, WIRING, MATERIALS, AND EQUIPMENT AS REQUIRED FOR THE INSTALLATION. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING, AT A MINIMUM:

   a. IES LM-79-08 ABSOLUTE TESTING REPORT FOR THE PROPOSED ALTERNATIVE LUMINAIRE;
   b. LED COLOR TEMPERATURE FOR FIXTURES INSTALLED SHALL BE 4000K. IF DIFFERENT FIXTURES ARE PROPOSED, SHOWING LIGHT CONTOURS, ILLUMINATION STATISTICS FOR EACH OF THE LIGHTING GROUPS, AND VALUE OF LOSS FACTOR;
   c. EDGE OF PAVEMENT LIGHT LEVEL IN CANDLE INTENSITY.

2. CONCRETE ENCASEMENT WILL BE INCIDENTAL TO PAYMENT FOR CONDUIT. MINIMUM BURIAL DEPTH FOR CONDUIT TOPS AT OR ABOVE THE CONCRETE SURFACE, WITH MINIMUM CONCRETE TOPS AT OR ABOVE THE CONCRETE SURFACE:

3. POLES SHALL BE GALVANIZED STEEL. POLES SHALL HAVE A MINIMUM OF SIX ANCHOR BOLTS. ACTUAL NUMBER AND LOCATIONS MAY VARY AND SHALL BE SUBJECT TO APPROVAL OF THE RESIDENT PRIOR TO INSTALLATION.

4. EXCAVATION AND DOWELING REINFORCING INTO ROCK SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION.

5. BUSHINGS SHALL BE INSTALLED ON ALL CONDUIT TERMINATIONS.

6. LIGHTING FIXTURES AND CONDUIT SURROUNDING THE CONDUIT. CONCRETE ENCASEMENT WILL BE INCIDENTAL TO PAYMENT FOR CONDUIT.

7. REMOVE POLE AND FOUNDATION, REMOVE POLE AND FOUNDATION, REMOVE POLE AND FOUNDATION.
### Conduit Summary

<table>
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<tr>
<th>Station</th>
<th>Pole</th>
<th>3/8&quot; Stranded Copper XHHW-2, 240 Volts</th>
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<td>0+00</td>
<td>2+00</td>
<td>1.15 ft</td>
<td></td>
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<td>1+00</td>
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### Lamp Data

- **Product**: 58+12 Lt Access Rd
- **Application**: 18+70 Rt Ramp D
- **Location**: 1+60 Rt Ramp D
- **Circuit**: 6+10 Rt Ramp B
- **Distance**: 20+50 Rt Ramp A
- **Wattage**: 3+15 Rt Ramp C
- **Candle Intensity**: 5+80 Rt Ramp C

### Luminaire Schedule

- **Catalog Number**: 40K Type M
- **Design**: High Mast LED III PK1
- **Directional Bore**: 17+00

### Remarks

- **Breakaway**: Run conduit within 10' of face of GR.
- **Lamp**: Remove and reset guardrail as directed for installation of new pole and removal of existing pole.

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### Diagram

- **Legend for Lighting**
  - Control Cabinet and Service
  - Existing Luminaire A
  - 90′ High Mast Pole

- **Scale**

- **Access Rd**

- **Highway Plans**

---

**User Name**: [User Name]

**Date**: 11/17

**Designated**: [Designated]

**Project Manager**: [Project Manager]

**Checked/Reviewed**: [Checked/Reviewed]

**Date**: 11/17

**Designation**: [Designation]

**Design**: [Design]

---

**File Name**: [File Name]

**Division**: [Division]

**Comments**: [Comments]
NEW LIGHTING FIXTURE,
EDGE OF PAVEMENT.
CURB AND/OR CONDUIT

**LEGEND for LIGHTING**
- Existing Cabinet and Pole
- Existing Conduit
- Existing Conduit Box
- Existing Junction Box
- High Mast Pole, Luminaire, and Foundation, Height as Noted

**INSTALL CONTROL CABINET AND SERVICE, STA 60+50**
- 30' RT.

**POWER SOURCE**

**REPLACE POLE AND AERIAL SERVICE**