MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**CONCRETE FOUNDATION, SPECIAL**

DET:SLN 1 of 2 APPR:NAP:RWS:05-17-22

**a. Description.** The work consists of installing concrete foundations for lighting as specified herein and as shown on the plans. Perform this work in accordance with the requirements of section 819 of the Standard Specifications for Construction, with the details as shown on the plans, and this special provision.

**b. Materials.** Furnish Grade 3500 concrete in accordance with section 1004 of the Standard Specifications for Construction.

Furnish steel reinforcement in accordance with section 905 of the Standard Specifications for Construction.

Ensure anchor bolts, nuts, washers, templates, and miscellaneous hardware required for mounting the pole to the foundation are in accordance with subsection 908.14 of the Standard Specifications for Construction and as shown on the plans.

Ensure wire, conduit, ground rods and ground rod connectors for placement in the pole foundations meets the requirements of section 918 of the Standard Specifications for Construction. Ensure ground rod is copper clad steel. Ensure grounding wire is stranded bare copper wire. Furnish conduit in the foundation to allow for entrance of conductors and grounding wires as shown on the plans.

Backfill must meet Granular Material, Class II requirements in accordance with section 902 of the Standard Specifications for Construction.

**c. Construction.** Ensure the construction and curing of the foundations is in accordance with subsection 819.03.A of the Standard Specifications for Construction and the details included on the plans.

Locate the foundations as shown on the plans. Ensure the foundation depth is as shown on the plans. Cracked or otherwise deformed foundations will not be acceptable.

Secure in place the steel reinforcement, the raceway conduits, and the anchor bolts to each other and properly positioned in the foundation formwork so that at the time of pouring of concrete mixture in place, they retain their proper positions. Install the anchor bolts in the foundation with a template provided by the pole manufacturer, or existing salvaged items, ensuring the proper bolt circle diameter and anchor bolt diameter for the selected light standard.

Backfill as necessary per section 902 of the Standard Specifications for Construction. Dispose of surplus materials where required.

**d. Measurement and Payment.** The completed work, as described, will be measured and paid for at the contract price using the following pay item:

**Pay Item Pay Unit**

Conc Fdn, Spec Each

**Conc Fdn, Spec** includes installing the foundations and disposing of surplus material as described in this special provision and as detailed on the plans.