MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**REINFORCED CONCRETE SADDLE**

MET:RDM 1 of 1 APPR:SCK:TEB:10-05-21

**a. Description.** This work consists of constructing a cast-in-place reinforced concrete saddle in accordance with standard specifications and the details on the plans to protect an existing 30 inch water main (portion of it inside a steel casing pipe), including rigid foam installation or polystyrene, polyethylene sheets, all excavation, backfilling, and disposal of excess material.

**b. Materials.** Furnish materials in accordance with subsection 706.02 of the Standard Specifications for Construction. Furnish Grade 3500 concrete in accordance with section 1004 of the Standard Specifications for Construction. Furnish epoxy coated Grade 60 steel reinforcement in accordance with section 905 of the Standard Specifications for Construction.

For concrete formwork that is left in place, plywood paneling, and other lumber necessary to construct the forms, use lumber in accordance with subsection 912.05 of the Standard Specifications for Construction.

**c. Construction.** Construct the reinforced concrete saddle in accordance with section 706 of the Standard Specifications for Construction and as detailed on the plans.

Construct the reinforced concrete saddle so that no loads are transferred from the saddle to the water main pipe or the steel casing pipe. Use caution when excavating and constructing around the existing water main to not damage it.

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

**Pay Item Pay Unit**

Reinf Conc Saddle Foot

**Reinf Conc Saddle** will be measured by the foot along the centerline of the existing water main.