MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**DRAINAGE STRUCTURE REPAIR**

MUS:NGJ 1 of 2 APPR:DMG:MRB:01-04-24

**a. Description.** This work consists of repairing existing drainage structures. Repair or reconstruct the damaged areas of the drainage structure in accordance with section 403 of the Standard Specifications for Construction or as directed by the Engineer.

**b. Materials.** Furnish materials in accordance with the standard specifications for the associated item of work.

**c. Construction.** Remove and/or temporarily relocate all appurtenances (such as decorative planters, benches, sections of guardrail, barrier wall, sound wall, fencing, sprinklers, conduit, etc.) as needed to access the repair area. Salvage and reinstall appurtenances or replace with new at no additional cost to the contract.

Remove, salvage and reinstall the existing drainage structure cover. New drainage structure covers, if required, will be as directed by the Engineer.

Excavate to the appropriate depth to facilitate the repair work.

Reconstruct damaged areas of the drainage structure.

Backfill with granular material Class II in accordance with section 902 of the Standard Specifications for Construction compacted to at least 95 percent of the maximum unit weight or backfill with flowable fill.

Submit a repair procedure to the Engineer for approval at least 7 calendar days prior to performing any repairs. Protect the repair area and appurtenances from any damage. Replace damaged items and work at no additional cost to the contract.

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

**Pay Item Pay Unit**

Dr Structure Repr Each

Dr Structure Repr, Add Depth Foot

1. **Dr Structure Repr** includes excavation and backfill and all work required to repair the drainage structure up to 2 feet below the final pavement.

2. **Dr Structure Repr, Add Depth** includes work required to repair the drainage structure beyond 2 feet below final pavement grade (increased size of pavement patch, increased excavation and backfill, etc.). **Dr Structure Repr, Add Depth** will be measured from 2 feet below final pavement grade to the lowest point of the repair. This item of work will be paid in addition to **Dr Structure Repr** where applicable.

New drainage structure covers will be paid for separately only for new covers approved by the Engineer.

Saw cutting to full depth and removal of any adjacent HMA pavement, concrete pavement, including concrete curb, curb and gutter, sidewalk, shoulder, path, traffic control island and driveway will be paid for separately.

Repairing the area back to final grade with pavement will be paid for separately.