MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**CONCRETE GRID PAVING SYSTEM**

BWB:CAW 1 of 2 APPR:DMG:NJM:11-16-23

**a. Description.** Concrete grass grid pavers are an interlocking precast concrete grid paving system that allows grass to grow through and provides a surface suitable for vehicular access as shown on the plans, the manufacturer’s details, and as described herein.

**b. Materials.** Ensure all materials are in accordance with the standard specifications, this special provision, and as shown on the plans.

1. Concrete Grass Grid Pavers. Furnish grass grid paving units manufactured using normal weight aggregates in accordance with *ASTM C1319*.

A. Minimum compressive strength. 5,000 psi.

B. Minimum thickness. 31/8 inches.

C. Minimum thickness of the webs between the openings. 1 inch.

D. Opening percentage range. 35 percent to 50 percent.

2. Turf Establishment. Use turf establishment in accordance with the special provision Turf Establishment, Performance.

3. Steel Edge Restraints. Galvanized steel edging, 1/4 inch thick by 5 inches high, with loops pressed from or welded to the face to receive stakes at 36 inches on center and steel stakes 15 inches long for each loop.

A. Select the steel restraint from one of following manufacturers:

Supplier Telephone No.

Colmet (800) 829-8225

J D Russell Company (800) 888-9708

Vodaland (314) 717-1551

4. Soil Fill. Furnish topsoil in accordance with the special provision Turf Establishment, Performance.

5. Sand for Bedding Course. Use fine aggregate 2NS or 2SS in accordance with Table 902-4 of the Standard Specifications for Construction.

6. Aggregate for Base Course. Use Class 21AA dense-graded aggregate in accordance with Table 902-1 of the Standard Specifications for Construction.

7. Separation Geotextile. Furnish non-woven geotextile separator in accordance with Table 910-1 of the Standard Specifications for Construction.

**c. Construction.**

1. Install edge restraints and grass grid pavers and place soil fill in accordance with the manufacturer’s guidelines.

2. After filling grass grid pavers with soil, sow seed and provide fertilizer, mulch, water and weed control until grass is established in accordance with the special provision Turf Establishment, Performance.

**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**

Conc Grid Pavers Square Yard

**Conc Grid Paving System** includes all labor, equipment, and materials necessary to complete the work as described.