MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**INSTALLING GUARDRAIL POSTS THROUGH HOT MIX ASPHALT**

JAK:JRP 1 of 1 APPR:NDM:CT:04-02-21

**a. Description.** This work consists of installing guardrail posts through hot mix asphalt (HMA) as shown on the plans.

**b. Materials.** Provide guardrail and all related elements that are in accordance with section 807 of the Standard Specifications for Construction. Select a patching material from one of the following:

1. Perma-Patch by Perma - Patch, Inc of Baltimore, MD.

2. QPR High Performance Permanent Pavement Repair by Quality Pavement Repair of Alpharetta, GA.

3. UPM High Performance Cold Mix (Permanent Pavement Repair Material) by Unique Paving Materials, Inc. of Cleveland, OH.

**c. Construction.** Install guardrail posts as per section 807 of the Standard Specifications for Construction and as follows:

1. Core or cut a hole through the HMA at the location for the proposed guardrail post. Ensure the hole is circular with a minimum diameter of 15 inches, or square with minimum dimensions of 15 inches by 15 inches.

2. Drive post(s) to the depth specified on the applicable Standard Plan for guardrail. Driving posts through HMA surfaces is prohibited. Provide a minimum distance of 7 inches from the back of the guardrail post to the rear edge of the cored/cut hole to allow for post rotation during a vehicular impact.

3. After guardrail posts have been installed, patch around the post with patching materials from section b. Materials.

4. Compact the patching material around guardrail post. Patching material is to be flush with edges of cored/cut hole. Patching material must have the same thickness as the surrounding pavement. Place and compact material 1/4 inch above the edges of the cored/cut hole at the post to prevent ponding around the post.

**d. Measurement and Payment.** The completed work, as described, will not be measured and paid for separately, but is included in the associated guardrail pay items.