MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**FENCE, RUSTIC SPLIT RAIL (2 RAIL)**

MTP:BEA 1 of 2 APPR:DMG:DBP:03-30-22

**a. Description.** This work consists of furnishing and installing rustic split rail fence at the locations shown on the plans, in accordance with section 808 of the Standard Specifications for Construction and as directed by the Engineer.

**b.** **Materials.** Furnish posts and rails that are Western Red Cedar (Thuja plicata), Northern White Cedar (Thuja occidentalis), Black Locust (Robinia pseudoacacia) or approved equal and commercially available. Both the posts and the rails may vary considerably in width and thickness with specified dimensions being average and approximate only.

All longitudinal splitting must be by axe, froe or wedge. Cut, torn or rough grain will not be classified as defects. All knots must not exceed 1/2 inch and must be firmly in place.

Spiral grain must not exceed 1/4 twist in length. Kinks, bends or sweeps must not exceed the narrowest dimension from a straight line from center to center.

Outer bark, sap rot, char and other unsightly discolorations are not permitted, but limited heart rot in streaks and pockets as well as rusty colorations due to normal weathering and seasoning are permitted. Scars, wounds, splits or seasoning checks must not exceed 1/4 depth of area affected.

Ensure gravel material placed below posts is dense-graded aggregate Class 22A in accordance with section 902 of the Standard Specifications for Construction. Ensure backfill material for the posts is sound earth in accordance with section 205 of the Standard Specifications for Construction or as approved by the Engineer.

1. Post and Rail Specifications. Posts must measure 4 inches by 5 inches by 6 feet in length. The girth when measured between the two mortise openings must be at least 18 inches.

The distance from the top of the post to the first mortise opening must be 6 inches and the distance, center to center, between the mortise openings must be 14 to 16 inches. The mortise opening of end and corner posts must be 1¾ inches wide and approximately 4½ inches in length. End and corner posts will be required at the appropriate locations.

Rails must measure 2 inches by 4 inches by 8 to 10 feet in length with a minimum girth of 12 inches. Ensure tenon area is 3 inches in length by 1½ inches in thickness and 3½ inches in width ±1/2 inch. The bottom of the lower rail must be no more than 1 foot above the existing ground.

**c. Construction.** Place posts in 12 inch diameter holes 30 inches deep. Prior to installing post, place 6 inches of Class 22A aggregate in the bottom of the post hole and compact in place. Plumb and level posts, install rails and backfill with sound earth or other approved material and compact in place as directed by the Engineer.

**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**

Fence, Rustic Split Rail Foot