

Make the following section a part of the Standard Specifications:

**"SECTION 655 - DRILLING HOLES AND INSTALLING
DOWEL REINFORCING BARS**

655.01 Description. This section is for drilling holes and furnishing and installing dowel reinforcing bars at abutments according to the contract.

655.02 Materials. Materials shall conform to the following:

(A) **Reinforcing Bar.** Reinforcing bar shall conform to Section 602 - Reinforcing Steel.

(B) **Epoxy Grout.** Epoxy grout shall conform to Subsection 712.04(B) - Epoxy Grout.

(C) **Epoxy Bonding Agent.** Epoxy bonding agent shall conform to Subsection 712.02 - Epoxy Resin System.

Submit test certificates, indicating conformance of all materials to the standards referenced herein.

655.03 Construction Requirements.

(A) **Drilling and Installation.** Do not use a heavy duty impacting drill for drilling operation. Install dowel reinforcing bar into its place after completing the drilling to the depth shown on the plans and thoroughly cleaning the hole of all dust and residue. Fill the hole with epoxy grout after removing all fine particles.

(B) **Traffic Control.** Traffic control shall be according to Section 645 - Traffic Control Devices, or as specified by the Engineer.

(C) **Inspection.** Before filling the hole with epoxy grout, inform the Engineer to inspect the hole.

655.04 Method of Measurement. The Engineer will not measure drilling holes and installing dowel reinforcing bars for payment.

655.05 Basis of Payment. The Engineer will not pay for the accepted drilling holes and installing dowel reinforcing bars separately. The Engineer will consider the cost for the accepted drilling holes and installing reinforcing bars as included in Contract Item No. 503.0151 – Concrete End Post, Type A. The cost is for drilling holes; furnishing and installing dowel reinforcing bars, epoxy grout, epoxy bonding agent; restoring the existing concrete, and furnishing all materials, labor, equipment, tools and incidentals necessary to complete the work.”

END OF SECTION