

## **Chapter 5**

### **Appurtenant Components**

#### **5-1. Gate Operating Equipment**

Gate operating equipment includes motorized vehicles, winches, latches, wire rope, hooks, sheaves, snatch blocks, and other appurtenances. These items should be provided as prescribed herein and as needed for the operation of closure structures.

#### **5-2. Seal Assemblies**

Rubber seals should be of the type suitable for the particular application. Seal assemblies should be designed to fit

the configuration of the gates and gate sills. Hinged bottom seal assemblies, similar to the details shown in Plate 10 are adaptable to uneven or broken sill configurations. This seal assembly is raised to clear the roadway grade during gate movements to prevent damage to the rubber seals.

#### **5-3. Embedded Metals**

Embedded structural steel bearing plates and anchorages must be provided as required for the installation of gates and appurtenances. Embedded seal plates shall be galvanized steel, stainless clad steel, or solid stainless steel for the prevention of corrosion. The edges of embedded seal plates should extend approximately 2 in. beyond the sealing surface.