1 GENERAL NOTES

1. The 1/2" diameter drain holes are not required with concrete wearing surfaces.

2. Except as noted below, the drain support assembly and all associated hardware shall be galvanized in accordance with Standard Specifications Section 506.

3. For weathering or painted steel superstructures, the WT 6x13 shall be coated with a zinc rich coating system in accordance with Standard Specifications Section 506. Bolts in contact with weathering steel shall be Type 3. Nuts and washers shall be treated in the same manner as their associated bolt.

4. Shear connectors welded to the top flange of steel beams may require adjustment to clear the bridge drains.

5. If the minimum thickness of concrete below the drain pan is 2 inches or less, the concrete haunch shall be extended as shown.

6. For drains installed on bridges with one-inch thick integral concrete wearing surfaces, the drain pan depth shall be reduced from 1'-0" to 0'-9".

7. Payment for bridge drains will be as specified under Subsection 502.19 of the Standard Specifications unless a specific pay item is provided in the Contract.

8. Payment for adjusting and for providing the additional reinforcing at bridge drains will be considered incidental to related Contract items.

1 STEEL DRAIN NOTES

1. All plates shall be 1/4" inch thick.

2. The grating shall be a commercial heavy-duty grating with 1 1/2" x 5/16" bearing bars spaced at 2 3/8" and 3/8" diameter cross bars spaced at 4". The grating shall be centered in the drain top.

MATERIALS

Shapes & plates	AASHTO M 270M/M 270
Bolts, nuts & washers	ASTM F3125, ASTM A563 & ASTM F436
1 Stud/shear connectors	AASHTO/AWS D1.5, Type A
Steel Drain Downspout	ASTM A500

Supplemental
Standard Detail

BRIDGE DRAINS

502(26) 1

1 Jan. 3, 2023