

B702

Bridge Floor Drain (Structural Tube)

Approved, and signed, November 22, 2002. Last date revised: Last date revised: February 8, 2022

Revised 02-08-2022

General:

- Updated the detail to include a new method of connecting the downspout to a steel or prestressed concrete beam.
- Added a designer note referencing the Bridge Design Manual for guidance on how far to extend the drain below the bottom flange of the beam.
- Updated how welds and arrowheads are depicted.

At Title Block:

- Changed title from "Bridge Floor Drain (Structural Tube)" to "Bridge Floor Drain (Structural Tube) (Concrete or Steel Beam)".

At PLAN VIEW:

- Changed the size of the tab plate to 5 x 7 x 3/8.
- Added note "Connection and Tab Plate for Beam Depths Over 4'-0" Only."

At SECTION A-A:

- Changed title from "Section A-A" to "Section A-A Steel Beam Shown".
- Completely changed the portion of the detail showing how the downspout is connected to a beam.
- Added a dimension "X" for the downspout extension below the bottom of the beam flange. Added a Designer Note to provide guidance in determining dimension "X".

Under NOTES:

- Changed 3 instances of "per spec." to "in accordance with spec."
- At the fourth general note, changed the note from "Payment for Floor Drain Type ___ Shall Include All Material Shown on This Detail." to "Payment for Floor Drain Type ___ Includes All Material Shown on This Detail."
- Added new circled note ① "Field Drill 13/16" Hole In Tab Plate To Provide For 3/4" Bolted Connection With Washers. Allow For A Minimum Edge Distance Of 1" To Edge Of Tab Plate."

Revised 01-05-2017

Under NOTES:

- The notes were updated to use active voice.
- Removed all references to "Mn/DOT" within the notes.

Revised 01-13-2004

At SECTION A-A: Eliminated (1/2 TOTAL BEAM HEIGHT) from dimension. Called out MID-HEIGHT OF BEAM.

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