

**B304**

**Elastomeric Fixed Bearing Assembly (PCB) (For Replacement Of Inplace Bearings Only)**

Approved, and signed, November 22, 2002. Last date revised: December 21, 2022.

**Revised 12-21-2022**

At SECTION X-X and SIDE ELEVATION:

- Added a callout to denote the Sole Plate.

Under NOTES:

- Changed the term “Per Spec. XXXX” to “In Accordance with Spec. XXXX” in all instances throughout the notes.
- Changed the 3<sup>rd</sup> note from "Provide Anchor Rods Per Spec. 3306. Galvanize Per Spec. 3394." to "Provide Round Bars In Accordance With Spec. 3306 For Use As Anchor Rods. Galvanize In Accordance With Spec. 3394.

At the Designer Note:

- Changed the word “plotting” to printing.

At DESIGN DATA block:

- Removed the "Design Data Block" from the lower right corner of the detail. The information that was included in the Design Data Block has been added to the MnDOT LFRD Bridge Design Manual.

**Revised 11-08-2018**

Under NOTES:

- Changed numbered note ③ *from* “Refer to bearing pad restraint sheet for additional information and details” *to* “Refer to bearing pad restraint B-Detail for additional information and details”.

**Revised 11-02-2017**

Under NOTES:

- Added numbered note ③ Refer to bearing pad restraint sheet for additional information and details.

Added DESIGNER NOTE:

- For parapet and semi-integral abutment bridges on grades exceeding 3%, modify this detail to provide a tapered bearing plate per detail B309.
- Per note ③ include B307 and modify as necessary.

Updated the DESIGN DATA box to read:

- MAX. FACTORED SHEAR RESISTANCE:
  - 50.3 KIPS PER 1½” DIA. PINTLE
  - 36.2 KIPS PER 1½” DIA. ANCHOR ROD

At the bearing TABLE:

- Added the RESTRAINT PATTERN column at end of table along with numbered note③.

At SECTION Y-Y:

- Added the restraint bars to the bottom of the bearing plate along with the accompanying restraint bar note and numbered note③.

At SECTION X-X and SIDE ELEVATION:

- Changed the beam shape to the MN shape with the accompanying note: MN shape shown (other shapes similar)
- Added sole plate at bottom of beam.
- Added the restraint bars to the bottom of the bearing plate.
- At the SIDE ELEVATION, changed the sub-title *from*: Pintles not shown *to* Anchor rods not shown.

**Revised 01-05-2017**

Under NOTES:

- The notes were updated to use active voice.
- Changed all locations of “Mn/DOT SPEC.” to “PER SPEC.”.

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