### Details

#### Typical Section of Elastomeric Bearings

- **Type I**: Illustrated with corresponding views for plan, elevation, and end views.
- **Type II**: Illustrated with corresponding views for plan, elevation, and end views.
- **Type III**: Illustrated with corresponding views for plan, elevation, and end views.

#### Sole Plate Details ("P")

- **Plan View of Elastomeric Bearing**
- **Elevation View**
- **End View**

#### Notes

- **Ribs**:
  - .319" (Typ.)
  - 15" holes

- **Anchor Bolts**:
  - 1.5" x .5"
  - 2" long

- **Bridge Seat**:
  - (Typ.)

- **Thread**:
  - 4"

- **Steel**:
  - 12 gauge steel
  - .381"

#### Specifications

- **Elastomeric Bearing**
  - (Steel Superstructure)

- **Service Loads**
  - D.L. + L.L. (No Impact)
    - Type I: 140 k
    - Type II: 180 k
    - Type III: 250 k

- **Construction**
  - Sole plates, anchor bolts, nuts, and washers shall meet the requirements of AASHTO M270 Grade 50W.
  - Nuts and washers shall be galvanized in accordance with the standard specifications.

- **Fabrication**
  - Fabrication shall comply with the requirements of AASHTO M291-DH or ASTM A449.
  - Shop drawings are not required for anchor bolts, nuts, and washers.

- **Welding**
  - Field welding the sole plate to the girder flange shall meet the requirements of AASHTO M292-2H.
  - Shop inspection is required.
  - AASHTO M293. Shop drawings are not required for anchor bolts.

- **Temperature**
  - Temperature indicating wax pens or other suitable means shall be used to ensure that the temperature of the sole plate does not exceed 300°F. Temperatures above this may damage the elastomer.

- **Thread**
  - The thread of the nut and bolt shall then be turned approximately 60° F.

- **Thread**
  - The thread of the nut and bolt shall be tightened finger tight and then backed off approximately 1/2 turn.

- **Safety**
  - The contractor may propose alternate methods, provided details are submitted to the engineer for review and approval.

#### Project Information

- **Project No.**
- **County**
- **Station**

### Tables

- **Maximum Allowable Service Loads**
  - D.L. + L.L. (No Impact)
    - Type I: 140 k
    - Type II: 180 k
    - Type III: 250 k

- **Revisions**
  - **Document No.**
  - **Drawings**
    - **Sheet No.**
      - **Rev.**

- **Department of Transportation**
  - State of North Carolina

- **Elastomeric Bearing Details**
  - Steel Superstructure