<table>
<thead>
<tr>
<th>CELL / MODEL NAME</th>
<th>DESCRIPTION</th>
<th>DATE</th>
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<tbody>
<tr>
<td>PI-2E-1</td>
<td>Type I elastomeric bearing</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>PI-2E-2</td>
<td>Type II elastomeric bearing</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>PI-2E-3</td>
<td>Type III elastomeric bearing</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>PI-2FB</td>
<td>Fixed bearing</td>
<td>2/17/2017</td>
</tr>
</tbody>
</table>
**Notes:**

- Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

- Side retainer and other steel members required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.

- See sheet of for additional details of plate cast with beam.

- Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

- Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.

**BILL OF MATERIAL**

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elastomeric Bearing</td>
<td>Each</td>
<td></td>
</tr>
<tr>
<td>Assembly, Type I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anchor Bolts</td>
<td>Each</td>
<td></td>
</tr>
</tbody>
</table>

**State of Illinois Department of Transportation**

**Bearing Details Structure No.**

**FILE NAME**

**USER NAME**

**PLOT SCALE**

**PLOT DATE**

**CHECKED**

**DRAWN**

**CHECKED**

**REVISED**

**REVISED**

**REVISED**

**REVISED**
**Assembly, Type II Elastomeric Bearing**

The above diagrams are for informational purposes only to show the amount of expected offset "D" for the current temperature in the field.

**Notes:**

- Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
- Side retainers and other steel members required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type II.
- The PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.
- Bonding of PTFE sheets during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.
- See sheet of for additional details of plate cast with beam.
- Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
- Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.
- The above diagrams are for informational purposes only to show the amount of expected offset "D" for the current temperature in the field.

**BILL OF MATERIAL**

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Item</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elastomeric Bearing Assembly, Type II</td>
<td>Each</td>
<td>Anchor Bolts</td>
<td>Each</td>
</tr>
</tbody>
</table>
Assembly, Type III

**Elastomeric Bearing**

Below 50°F.

Above 50°F.

**Item** | **Unit** | **Each**
--- | --- | ---
Bonded Steel Plates | 2 | 16

Notes:
- Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material of the grades and diameters) specified.
- The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
- The ASTM F1554 all-thread will be permitted provided the process and method of attaching assembly height is approved by the Engineer.

**EXPANSION BEARING ORIENTATION**

The above diagrams are for informational purposes only to show the amount of expected offset "D" for the current temperature in the field.

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**BILL OF MATERIAL**

<table>
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<tr>
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<th>Unit</th>
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</thead>
<tbody>
<tr>
<td>Elastomeric Bearing Assembly, Type III</td>
<td>Each</td>
<td></td>
</tr>
<tr>
<td>Anchor Bolts</td>
<td>Each</td>
<td></td>
</tr>
</tbody>
</table>

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**FILE NAME**

**USER NAME**

**PLOT SCALE**

**PLOT DATE**

**CHECKED**

**DRAWN**

**CHECKED**

**DESIGNED**

**REVISED**

**REVISED**

**REVISED**

**REVISED**

**DEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS**

**F.A. RTE. SECTION**

**ILLINOIS FED. AID PROJECT**

**COUNTY CONTRACT NO.**

**TOTAL SHEETS SHEET NO.**

**PI-2E-3 2-17-2017**
Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554. Anchor bolts shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used. Beams shall be braced for stability during erection and remain braced until deck is poured and cured. See sheet of for additional details of plate cast with beams.

- Cast with beam
- Ø holes in bottom £
- Ø 1
depth in Top £
- Ø pintles. Thread or press fit pintles into Brn. £
- Ø x Ø Anchor bolt £
- Ø x washers under nut £
- Ø x washer under nut £