PLAN VIEW
PRESSURE RELIEF JOINT - TYPE A
AT NEW APPROACH SLAB
(Concrete Shoulders shown)

SECTION A-A AT NEW APPROACH SLAB

REINFORCING STEEL LIST

<table>
<thead>
<tr>
<th>Mark</th>
<th>Shape</th>
<th>Number</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>R501</td>
<td>Straight</td>
<td>8</td>
<td>5' 0.5''</td>
</tr>
<tr>
<td>R502</td>
<td>Straight</td>
<td>N x 5</td>
<td>8' 0.5''</td>
</tr>
</tbody>
</table>

S = Length of sleeper slab in foot

R501 bars may be furnished in segments with a 1'-7" bar lap between segments.
PLAN VIEW
PRESSURE RELIEF JOINT - TYPE A
AT EXISTING APPROACH SLAB
(Concrete Shoulders shown)

SECTION A-A AT EXISTING APPROACH SLAB
## PRESSURE RELIEF JOINT TYPE A

### STANDARD ROADWAY CONSTRUCTION DRAWING

**STDS.**

**SCD NUMBER**

BP-2.3

*(at New Approach Slab)*

### NOTES

**APPROACH SLAB PRESSURE RELIEF JOINTS**

Relief joints are to be provided regardless of abutment design at all bridge approaches where approach pavement is rigid, or composite consisting of a rigid base.

**ASPHALT CONCRETE**

Compact the asphalt concrete in equal lifts not exceeding 3" with compaction equipment as approved by the Engineer. See Item 440 Asphalt Concrete Intermediate Course, Type 2 (448), or Item 442 Asphalt Concrete Intermediate Course, 16 mm (448), or Item 446 Asphalt Concrete Intermediate Course, 19 mm (448). Payment shall be made per Linear Foot of Item 605 - 6" Shallow Pipe Underdrain, Item 707.31 Type CP, or 707.41. The underdrains shall be placed in the same location and in the same alignment as the longitudinal joints in the existing pavement.

**SECTION B-B**

(WITH ASPHALT SHOULDERS)

Pay Length of Relief Joint

Edge of Traveled Way

Concrete Shoulder

Asphalt Concrete

6" - Item 605.03

3" Clear

**PAYMENT:**

Measurement of the pressure relief joint for payment purposes shall be along the centerline of the sleeper slab between the outside edges of concrete shoulders, 3) between the backs of curb, and 4) between the edges of the traveled way where asphalt shoulders are used. Payment shall be per Linear Foot of Item Special - Pressure Relief Joint, Type A and shall include saw cutting & removal of existing pavement, Items 305 and 441 or 442, and all labor, materials and incidentals needed to construct the joint as shown, except for the pipe underdrain, the underdrains shall be paid for per Linear Foot of Item 605 - 6" Shallow Pipe Underdrain, Item 101 N Type CP, or 101.4; the outlet pipe shall be paid for per Linear Foot Item 611 - 6" Conduit, Type F for Underdrain Outlets. The precut concrete outlet shall be paid for per each of Item 611 - Precast Reinforced Concrete Outlet.

**ITEM 305 BASE:**

Shall be constructed in accordance with SCD BP-2.1 & BP-2.2. Longitudinal joints shall be placed in the same location and in the same alignment as the longitudinal joints in the existing pavement.

**BOND BREAKER**

A bond breaker consisting of two 4' sheets of clear or opaque polyethylene film, Item 705.06, shall be placed above the joint between the subbase and the sleeper slab. Care shall be taken in the area beneath the polyethylene film to ensure the surface of the subbase is finished smooth and is flush with or slightly higher than the surface of the sleeper slab. The film shall have a nominal thickness of 4 mils.

**UNDERDRAIN**

A perforated underdrain shall be placed as shown. It shall extend from one edge to the other edge when asphalt shoulders are used, and shall be outletted as shown on the plan, either to a longitudinal underdrain, a catch basin, or through the embankment of ditch foreslope. For additional information, see SCD DM-1.2.

**PAYMENT:**

Measurement of the pressure relief joint for payment purposes shall be along the centerline of the sleeper slab between the outside edges of concrete shoulders, 3) between the backs of curb, and 4) between the edges of the traveled way where asphalt shoulders are used. Payment shall be per Linear Foot of Item Special - Pressure Relief Joint, Type A and shall include saw cutting & removal of existing pavement, Items 305 and 441 or 442, and all labor, materials and incidentals needed to construct the joint as shown, except for the pipe underdrain, the underdrains shall be paid for per Linear Foot of Item 605 - 6" Shallow Pipe Underdrain, Item 101 N Type CP, or 101.4; the outlet pipe shall be paid for per Linear Foot Item 611 - 6" Conduit, Type F for Underdrain Outlets. The precut concrete outlet shall be paid for per each of Item 611 - Precast Reinforced Concrete Outlet.