**DECK DETAILS**

**NORMAL GRADING DETAIL**

- Showing prestressed concrete I-girders (other beam types similar)
- Bedding strip at flange shown
- Place bedding strip at flange as shown
- All other beam types similar to I-girders

**SPECIAL GRADING DETAIL FOR CONCRETE BEAMS**

- Showing prestressed concrete I-girders (other beam types similar)

**BEDDING STRIP DETAIL**

- Seal joint between panels when gap exceeds 3⁄8" with polyurethane urethane or expanding joint sealer
- Make seal flush with top of panel

**HAUNCH REINFORCING DETAIL**

- Showing prestressed concrete I-girders (other beam types similar)

**STAGE CONSTRUCTION LIMITATIONS**

- Showing prestressed concrete I-girders (other beam types similar)

**CONSTRUCTION NOTES**

- Epoxy panels must be uniformly on bedding strips of extruded polyurethane sheet along top flange edges.

- Placing panels to minimize joint openings is recommended.

**MATERIAL NOTES**

- Provide Grade 60 reinforcing steel in the cast-in-place slab. See Table of Reinforcing Steel for size and spacing of reinforcement.

- Provide 1 3⁄4" of polystyrene for the haunch layer under the panels.

**GENERAL NOTES**

- Designed according to AASHTO LRFD Bridge Design Specifications.

- Panel placement may follow Option 1 or Option 2 except Option 1 must be used if the skew exceeds 10°.

- The use of Prestressed Concrete Panels is not permitted for horizontally curved steel plates or tub girders.

- See Span Details for other passing restrictions on their use.

- These details are to be used in conjunction with the Span Details, PCP-FAB and other applicable standard SPAN DETAILS.

- When panel support (bedding strips) deviates from what is shown herein, provide details signed and sealed by a professional engineer.

- Any additional reinforcement or concrete required on this standard is considered subsidiary to the bid item "Prestressed Concrete Slab."
**OPTION 1 ~ PLAN OF SLABS WITH NORMAL REINFORCEMENT**

1. **AT THICKENED SLAB ENDS**
   - Bars E(#4) not continuous over beam flanges must overlap beam flange 6" Min.
   - Add flared Bars E(#4) (Min Spa = 6", Max Spa = 12") as required at panel ends.
   - Bars E(#4) not continuous over beam flanges must overlap beam flange 6" Min.
   - Maintain one Bar E(#4) parallel to panel ends (Typ).

2. **AT SLAB CONTINUOUS OVER CONVENTIONAL INTERIOR BENTS FOR ALL SIMPLE SPAN BMS**
   - See appropriate thickened slab end details for reinforcing and limits of thickened slab end.

3. **AT ALL SPAN ENDS UNLESS NOTED OTHERWISE**
   - Bars D(#4) are required for sloped overhangs with U-Beams.
   - Where possible, Bars E(#4) may be extended into overhangs to replace Bars P(#4).
   - Add flared Bars E(#4) (Min Spa = 6", Max Spa = 12") as required at panel ends.

4. **AT THICKENED SLAB ENDS FOR PRESTR CONC U-BMS**
   - See appropriate thickened slab end details for reinforcing and limits of thickened slab end.

**OPTION 1 ~ PLAN OF SLABS WITH SKewed REINFORCEMENT**

1. **AT THICKENED SLAB ENDS UNLESS NOTED OTHERWISE**
   - Bars D(#4) are required for sloped overhangs with U-Beams.
   - Where possible, Bars E(#4) may be extended into overhangs to replace Bars P(#4).
   - Add flared Bars E(#4) (Min Spa = 6", Max Spa = 12") as required at panel ends.

2. **AT SLAB CONTINUOUS OVER CONVENTIONAL INTERIOR BENTS FOR ALL SIMPLE SPAN BMS**
   - See appropriate thickened slab end details for reinforcing and limits of thickened slab end.

**OPTION 1 ~ ELEVATIONS AT BEAM ENDS**

1. **AT THICKENED SLAB ENDS FOR PRESTR CONC U-BMS**
2. **AT THICKENED SLAB ENDS FOR PRESTR CONC L-BMS AND STEEL BMS**
3. **AT SLAB OVER ABUTMENT BACKWALL FOR ALL BMS**
4. **AT SLAB CONTINUOUS OVER INVERTED-T BENTS FOR ALL BMS**
   - See appropriate details elsewhere in plans for reinforcing.

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**TABLE OF REINFORCING STEEL**

<table>
<thead>
<tr>
<th>BAR</th>
<th>SIZE</th>
<th>Min Spa (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>#4</td>
<td>3</td>
</tr>
<tr>
<td>E</td>
<td>#4</td>
<td>18</td>
</tr>
<tr>
<td>P</td>
<td>#4</td>
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<tr>
<td>2P</td>
<td>#4</td>
<td>–</td>
</tr>
<tr>
<td>2P</td>
<td>#4</td>
<td>–</td>
</tr>
</tbody>
</table>

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**PRESTRESSED CONCRETE PANELS DECK DETAILS**

**PCP**