## Notes to Designer:

1. Slab girder detail sheets 2 to 4 are intended to be used as is without need for modification for most projects. Project specific details are then limited to the table and notes provided in this document.

2. Zone 1 is intended to be the splitting resistance zone defined by BDM 5.6.2.F. Zone 2 is intended to be the confinement reinforcement zone defined by BDM 5.6.2.G.

3. Dimensions in the table shall be shown to the nearest "6" except the "A" dimension which shall be shown to the nearest ¼".

4. Provide a longitudinal #4 in CIP deck inside extended bar hooks in addition to the deck reinforcement.

5. Maximum skew angle is 30° (60° x («1 or «2) x 120°).

6. If this standard is intended to be used with a 5" minimum CIP concrete deck, modifications are required. This standard is used with an HMA overlay.

7. Place a maximum of 2 fully bonded strands in both Row 1 and the top Row (all 4 corners).

8. Bars and hooks should be a minimum of #4 at 1'-0" spacing.

### Typical Slab Girder Configurations

<table>
<thead>
<tr>
<th>H</th>
<th>W</th>
<th>Voids</th>
<th>Max. Span (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot;</td>
<td>4'-0&quot;</td>
<td>0</td>
<td>50'</td>
</tr>
<tr>
<td>18'</td>
<td>4'-0&quot;</td>
<td>5</td>
<td>48'</td>
</tr>
<tr>
<td>24'</td>
<td>4'-0&quot;</td>
<td>10</td>
<td>35'</td>
</tr>
<tr>
<td>28'</td>
<td>4'-0&quot;</td>
<td>15</td>
<td>30'</td>
</tr>
<tr>
<td>32'</td>
<td>4'-4&quot;</td>
<td>2</td>
<td>25'</td>
</tr>
</tbody>
</table>

### Screed Setting Dimensions

For dimension "C" see table above.

---

## Girder Notes

1. Plan length shall be increased as necessary to compensate for shortening due to prestress and shrinkage.

2. All strands shall be 0.5" 4010 M24 grade 270 low relaxation strands, jacked to 202.5 KSI. Strands shall be symmetrical about the girder centerline. Exterior strands in each span shall be fully bonded.

3. Space extended strands symmetrically and evenly across girder width. Stagger extended strand locations with respect to girder in adjacent span.

4. Debonded strands shall be debonded at each girder end for the indicated length parallel to the girder centerline. Deboned strands shall not be extended past girder ends. Deboned strands shall be symmetrically placed about the girder centerline. Deboned lengths of pairs of strands that are symmetrically positioned about the girder centerline shall be equal.

---

### Shipping and Handling Details

- Height
- Width
- Length
- Comp. Strength
- End Details