**ELEVATION**

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>GIRDER LENGTH (L)</th>
<th>GIRDER DEPTH (D)</th>
<th>HOOKING FORCE (kips)</th>
<th>As (min) % of 0.6&quot; CTS</th>
<th>CONCRETE STRENGTH (ksi)</th>
<th>MIDSPAN DEAD LOAD DEFLECTION (ft)</th>
<th>ADDITIONAL TOP BAR (each end)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIRDER A</td>
<td>2</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GIRDER B</td>
<td>4</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GIRDER C</td>
<td>4</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTES:**
1. The Hacking Force (P) is the force required at the center of the span before design losses. The Hacking force does not include any fabrication specific losses.
2. Concrete Strength (f') is at time of initial stressing and is the 28-day compressive strength determined by the Engineer.
3. Deflection components will be used to select screw tend elevations.
4. Screw tend elevations for deck concrete will be determined by the Engineer.
5. Contractor may interpolate Hacking force (P) and "X" values between tables shown, as approved by the Engineer.
6. For DETAIL E, see "PC/PRETENSIONED I GIRDER (HARPED STRANDS)" sheet.
7. Prestressing strand shall be 270 ksi low relaxation.
8. Engineer to fill in these values, then delete this note.

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**CLEARANCES FOR PRETENSIONED STRANDS**

**STRAND CLEARANCES NOTES:**
1. Strands may be bundled in groups consisting of 3 vertically and 2 horizontally or midway, and separated by the ends.
2. The minimum distance "S" between groups or individual strands is 1X" for 0.6" Ø strand and 2" for 0.6" Ø strands.
3. "X" is measured between centers of adjacent strands.

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**TYPICAL GIRDER SECTION**

**SECTION A-A**

**NOTES:**
- See "TYPICAL GIRDER SECTION".
- For details not shown, see "STRAIGHT EXTENSION HOEK DETAIL FOR CONTINUITY DIAPHRAGM (AT BENT)".

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**ADDITIONAL TOP BAR, Typ (SEE TABLE):**

**PATH OF CENTER OF GRAVITY OF PRESTRESSING STEEL:**
These shall be maximum of 2 mm away from the span.

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**STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING SERVICES**

**PC/PRETENSIONED I GIRDER (HARPED STRANDS)**

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**NO SCALE**