GIRDER LENGTH (L)

- Path of center of gravity of harped strands
- Center similar about span
- Construction joint between girder and deck slab (coarse broom finish)

GIRDER ELEVATION

- Girder ends to be cast such that a level surface is provided at bearing pads

### Table: Girder Details

<table>
<thead>
<tr>
<th>Location</th>
<th>Girder Length (L)</th>
<th>Order Number</th>
<th>Hacking Force (P)</th>
<th>A, Min (lbs)</th>
<th>C (lbs)</th>
<th>C (Ft)</th>
<th>F (in)</th>
<th>Concrete Strength (ksi)</th>
<th>Concrete Load (lbs)</th>
<th>Additional Tensile (lbs/each end)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Girder A</td>
<td>4</td>
<td>6</td>
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<tr>
<td>Girder B</td>
<td>4</td>
<td>6</td>
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<tr>
<td>Girder C</td>
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<tr>
<td>Girder D</td>
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<tr>
<td>Girder E</td>
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<td>6</td>
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</tbody>
</table>

**Notes:**
- For details not shown, see "Typical Girder Section" section A-A

**Typical Girder Section**

- 3-1/16" field bend, Typ
- 1" x 1/2" bolt with insert assembly at exterior girder - see "insert assembly" detail.

**Clearances for Pretensioned Strands**

- Strands may be bundled in groups consisting of 3 vertically, 2 horizontally, and separated at the ends
- The minimum distance "x" between groups or individual strands is 1 5/16" for 0.38" strand and 2" for 0.62" strands
- "S" measured between centers of adjacent strands
- Approved by Engineer is required for deviation

**Notes:**
- Concrete strength: f'c is at time of initial stressing
- f'c is at 28 days
- Concrete is the minimum area required of prestressing steel
- There shall be a minimum of two holds down per girder
- The maximum tensile stress in the prestressing steel upon release shall not exceed 75% of the specified ultimate tensile strength of the prestressing steel
- The maximum temporary tensile stress (jacking stress) in the prestressing steel shall not exceed 80% of the specified ultimate tensile strength of the prestressing steel