## Load and Resistance Factor Rating (LRFR) Summary for Prestressed Concrete Girders

### Design Load Rating

<table>
<thead>
<tr>
<th>Load</th>
<th>Bull</th>
<th>No.</th>
<th>Location</th>
<th>Freq.</th>
<th>Span</th>
<th>Shear Location</th>
<th>Rating Factor</th>
<th>Span</th>
<th>Shear Location</th>
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<th>Span</th>
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<th>Rating Factor</th>
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</thead>
<tbody>
<tr>
<td>HL-93 Inventory</td>
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<td>HS-20 Operating</td>
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### Legal Load Rating

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<th>Freq.</th>
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<th>Rating Factor</th>
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<th>Shear Location</th>
<th>Rating Factor</th>
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</tbody>
</table>

### Notes:
- Minimum rating factors are based on the Strength I and Service III Limit States.
- Allowable stresses for Service III Limit State are as prescribed for Design.
- Shear Rating Factors (DF) are based on the Service III Limit State.
- The maximum shear for a given load case is determined by the controlling shear at the critical section.
- LRFR Summary: As shown on the chart for vehicle type and girder location.

### Comments:
- 1.
- 2.
- 3.
- 4.

### Comments Completed
- Project No.
- County
- Station:

### Department of Transportation
- Standard
- LRFR Summary for Prestressed Concrete Girders (Interstate Traffic)

### Remarks
- Document not considered final unless all signatures completed.
- Rev. 12/17
- Rev. 11/12/08

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**LOAD FACTORS:**
- **Strength I Limit State:**
  - Moment: 1.25
  - Shear: 1.00
  - Shear: 1.50
- **Service III Limit State:**
  - Moment: 1.00
  - Shear: 1.00

**Shear Rating Factors (DF):**
- 0.80
- N/A

**Controlling Load Rating:**
- Design Load Rating HL-93
- Design Load Rating HS-20
- Legal Load Rating NS

**Girder Location:**
- E - Exterior Girder
- IL - Interior Girder
- EL - Exterior Left Girder
- ER - Exterior Right Girder

---

**Comments:**
- 1.
- 2.
- 3.
- 4.

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**Signatures Completed**
- Statement: As shown on the chart for vehicle type and girder location.
- Project No.
- County
- Station:

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**Department of Transportation:**
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