### LOAD AND RESISTANCE FACTOR RATING (LRFR) SUMMARY FOR PRESTRESSED CONCRETE GIRDERS

**BENT 1**

<table>
<thead>
<tr>
<th>END BENT 1</th>
<th>END BENT 2</th>
<th>END BENT 3</th>
<th>END BENT 4</th>
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</thead>
</table>

#### DESIGN LOAD RATING

<table>
<thead>
<tr>
<th>LEGAL SCALE</th>
<th>GIRDER LOCATION</th>
<th>FORCE NO.</th>
<th>RATING FACTOR</th>
<th>SPAN</th>
<th>RATING FACTOR</th>
<th>SPAN</th>
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<th>RATING FACTOR</th>
<th>SPAN</th>
<th>RATING FACTOR</th>
<th>SPAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>HL-93 (INVENTORY)</td>
<td>N/A</td>
<td>--</td>
<td>1.75</td>
<td>N/A</td>
<td>--</td>
<td>1.75</td>
<td>N/A</td>
<td>--</td>
<td>1.75</td>
<td>N/A</td>
<td>--</td>
<td>1.75</td>
</tr>
<tr>
<td>HL-93 (OPERATING)</td>
<td>N/A</td>
<td>--</td>
<td>1.75</td>
<td>N/A</td>
<td>--</td>
<td>1.75</td>
<td>N/A</td>
<td>--</td>
<td>1.75</td>
<td>N/A</td>
<td>--</td>
<td>1.75</td>
</tr>
<tr>
<td>HS-20 (INVENTORY)</td>
<td>32,000</td>
<td>--</td>
<td>1.40</td>
<td>N/A</td>
<td>--</td>
<td>1.40</td>
<td>N/A</td>
<td>--</td>
<td>1.40</td>
<td>N/A</td>
<td>--</td>
<td>1.40</td>
</tr>
<tr>
<td>HS-20 (OPERATING)</td>
<td>32,000</td>
<td>--</td>
<td>1.40</td>
<td>N/A</td>
<td>--</td>
<td>1.40</td>
<td>N/A</td>
<td>--</td>
<td>1.40</td>
<td>N/A</td>
<td>--</td>
<td>1.40</td>
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</tbody>
</table>

#### SERVICE III LIMIT STATE

- **MINIMUM RATING FACTORS** are based on the **STRENGTH I LIMIT STATE**.
- **ALTERNATIVE STRESSES** for **SERVICE III LIMIT STATE** are as prescribed for **DESIGN LOAD RATING**.

#### CONTROLLING LOAD RATING

- (1) DESIGN LOAD RATING HL-93
- (2) DESIGN LOAD RATING HS-20
- (3) LEGAL LOAD RATING

**NOTES:**

- MANDATORY RATING FACTORS are based on the **STRENGTH I LIMIT STATE**.
- **ALLOWABLE STRESSES** for **SERVICE III LIMIT STATE** are as prescribed for **DESIGN LOAD RATING**.

**COMMENTS:**

1. 
2. 
3. 
4. 

**LRFR SUMMARY**

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**LOAD FACTORS:**

<table>
<thead>
<tr>
<th>LOAD FACTORS</th>
<th>STRENGTH I</th>
<th>SERVICE III</th>
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</thead>
<tbody>
<tr>
<td>MINIMUM</td>
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<td>MAXIMUM</td>
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**DELIMITATION:**

- **END BENT 1:** 
- **END BENT 2:** 
- **END BENT 3:** 
- **END BENT 4:** 

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**PROJECT NO.**

**COUNTY**

**STATION:**

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**DEPARTMENT OF TRANSPORTATION**

**LRFR SUMMARY FOR PRESTRESSED CONCRETE GIRDERS (INTERSTATE TRAFFIC)**

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**REV. 11/12/08**

*AA/GM*