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

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## SERVICE III LIMIT STATE

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### NOTATION

- **LL** = Liveline
- **DC** = Deadload
- **G** = Girder
- **M** = Moment
- **S** = Shear
- **R** = Rating
- **F** = Factor
- **E** = End
- **W** = Weight
- **RF** = Rating Factor

### LIMIT STATE

- **STRENGTH I LIMIT STATE**
- **SERVICE III LIMIT STATE**

### LOAD FACTORS

- **LOAD FACTORS**
- **LOAD AND RESISTANCE FACTOR RATING (LRFR) SUMMARY FOR PRESTRESSED CONCRETE GIRDERS (NON-INTERSTATE TRAFFIC)**

### COMMENTS

1. 
2. 
3. 
4. 

### REQUIRED FOR DESIGN

- 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.

### CONTROLLING LOAD RATING

1. Design Load Rating HL-93
2. Design Load Rating HS-20
3. Legal Load Rating **

** See Chart for Vehicle Type

### GIRDER LOCATION

- E = Interior Girder
- I = Exterior Left Girder
- R = Exterior Right Girder

### PROJECT NO. 

### COUNTY 

### STATION: 

## DEPARTMENT OF TRANSPORTATION 

### STANDARD 

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

### REVISIONS 

- Document No. LRFR
- Date: 11/12/08
- Revised by: MAA/GM

### SIGNATURES COMPLETED 

- Final unless all documents not considered