

**MnDOT BRIDGE RATING AND LOAD POSTING REPORT
FOR TRUNK HIGHWAYS**

Bridge Location and Description

Hwy. No. _____ Over
 Under **Bridge No.** _____

Year Built _____ Year Remodeled _____ Replaces Br. _____

Type _____ County _____ Ref. Pt. _____

Description _____

Location _____

Data for Basis of Report (Check all that apply)

- Bridge Inventory File
- Previous Bridge Rating and Load Posting Report
- Bridge Plans
 - New Overlay
 - Repair/Reconstruction
 - Other Dead Load Modifications _____
- Bridge Inspected by _____, date _____
 - Damaged Component _____
 - Deteriorated Component _____

Types of Analysis:

- Manual
- AASHTOWare BrR, V. _____
- Computer*
- Other*

*

NBI Condition Ratings

Deck _____

Superstructure _____

Substructure _____

ADTT _____

Method of Rating (Check appropriate box)

- Load Factor (LF) Assigned LF Rating
- Allowable Stress (AS) Assigned LRFR
- Load & Resistance Factor (LRFR)
- Load Testing
- Field Eval./Doc. Engineering Judgment

Design Load _____

Design Method _____

Summary of Rating and Load Posting Analysis

Load Posting		Required <input type="checkbox"/> Not Required <input type="checkbox"/>			Bridge Rating		
Sign	TONS			Inventory	Operating		
R12-1A <input type="checkbox"/>				HS <input type="checkbox"/>	HS <input type="checkbox"/>		
R12-5a <input type="checkbox"/>				RF <input type="checkbox"/>	RF <input type="checkbox"/>		
R12-5 <input type="checkbox"/>	M3	M3S2	M3-3	Overweight Permit Codes			
R12-x11 <input type="checkbox"/>		45		A _____	B _____	C _____	

I hereby certify that this report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: _____ Date: _____

(Typed or Printed) Name: _____ License No. _____

(Typed or Printed) Employed by (Agency/Firm): _____

BRIDGE RATING DETAILS

Bridge Type _____
 Rating Method _____
 Roadway Width _____
 Curved Tapered
 Beam Spacing _____
 Live Load Distribution Factor
 Single _____ Multiple _____
 Finite/Grid Element Analysis

Bridge No. _____
 Design Load: _____
 Inventory Rating: _____
 Operating Rating: _____
 Rated _____ Checked _____
 Date: _____
 Sheet _____ of _____

BEAM ELEVATION ²

Show span lengths, structure/beam depths.

Truck	Rating Factor	Span/ Pier	Location	Limit State ¹	Notes/Comments
HS 20 Inventory					
HS 20 Operating					
Standard A ³					
Standard B ³					
Standard C ³					
Standard P411 ³					
Standard P413 ³					

- 1** Choose from: service or ultimate; shear or moment
- 2** Elevation may be on back or another sheet if it won't fit here
- 3** If the bridge needs posting, change these trucks to the posting trucks.