

MnDOT BRIDGE RATING AND LOAD POSTING REPORT
FOR COUNTY AND LOCAL AGENCIES

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 _____

NBI Condition Ratings

Deck _____

Superstructure _____

Substructure _____

Culvert _____

HCAADT _____

Types of Analysis:

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

Method of Rating (Check appropriate box)

- Load Factor (LFR) Assigned LFR
- Allowable Stress (ASR) 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"/>	RF <input type="checkbox"/>	HS <input type="checkbox"/>	RF <input type="checkbox"/>	
R12-5a <input type="checkbox"/>								
R12-5 <input type="checkbox"/>		M3	M3S2-40					
R12-X11 <input type="checkbox"/>			45					
R11-2a <input type="checkbox"/>	BRIDGE CLOSED			Overweight Permit Codes				
				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): _____

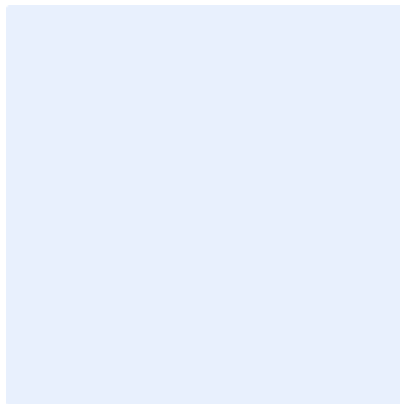
My signature below indicates that I have read and fully agreed with the load rating report.

Program Administrator's Signature: _____ Date: _____

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 ¹

Show span lengths, structure/beam depths.

Truck	Rating Factor	Span/ Pier	Location	Limit State ²	Notes/Comments
<input type="checkbox"/> HS-20 <input type="checkbox"/> HL-93 Inventory					
<input type="checkbox"/> HS-20 <input type="checkbox"/> HL-93 Operating					
M3					
M3S2-40					
M3S3-40					
SU4					
SU5					
SU6					
SU7					

Emergency ³ Vehicles	Rating Factor	Span/ Pier	Location	Limit State ²	Notes/Comments
EV2					
EV3					

- 1** Elevation may be on back or another sheet if it won't fit here.
- 2** Choose from: service or ultimate; shear or moment
- 3** For information only

BRIDGE RATING DETAILS

Annual/Routine Permit	No Restriction	Straddle Two Lanes	5% Impact	Notes/Comments
	Rating Factor	Rating Factor	Rating Factor	
STD. A				
STD. B				
STD. C				
6-axle, 90k-99k				
7-axle, 97k-99k				

Special/Single Permit	No Restriction	Straddle Two Lanes	5% Impact	Notes/Comments
	Rating Factor	Rating Factor	Rating Factor	
P411		**		
P413		**		
C152b		**		
C174b		**		
C214b		**		
C237b		**		
C256b		**		
C200j		**		

OVERWEIGHT PERMIT RESTRICTIONS FOR LOCAL BRIDGES

Restriction Code	Restriction Description	Special/Single Permit	Annual/Routine Permit	Detailed Restriction Description	Bridge Check Operation
1	None	YES	YES	No Restriction to cross bridge	Normal
2	Straddle Two Lanes	YES	YES	Drive on the centerline between two lanes, in a manner that prevents any other vehicle from occupying a part of either lane on either side of the permit vehicle. Drive in the center of a single lane bridge.	The AASHTO "Single Lane" live load distribution is used. <i>This operation applies to all permit vehicles when performing LFR method or only to annual permit vehicles when performing LRFR method.</i>
3	Maximum speed of 10 mph	YES ①	YES ①	Drive at a speed of 10 mph or less	The impact factor is reduced from the AASHTO impact to 5%
X	DENIED	YES	YES	The overweight permit vehicle is NOT ALLOWED on this bridge	Used when requirements for restriction 1 thru 3 are not met

① Not allowed where there is a posted minimum speed.

** "N/A", Does not apply when performing LRFR method, ref. AASHTO MBE Table 6A.4.5.4.2a-1