

Bridge Location and Description

Hwy. No. _____ Over Bridge No. _____
 Under
 Year Built _____ Year Remodeled _____ Replaces Br. _____
 Bridge 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 _____
 HCADT _____

Types of Analysis:

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

Method of Rating (Check appropriate box)

- Load Factor (LFR)
- Allowable Stress (ASR)
- Load & Resistance Factor (LRFR)
- Assigned LFR
- Assigned LRFR
- Load Testing

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"/>		
R12-5M (old R12-5a)	<input type="checkbox"/>				RF <input type="checkbox"/>	RF <input type="checkbox"/>		
R12-5	<input type="checkbox"/>	M3	M3S2-40	M3S3-40				
R12-X11	<input type="checkbox"/>							
R11-2a	<input type="checkbox"/>	BRIDGE CLOSED			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.

(Typed or Printed) Name: _____ Date: _____

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

Signature: _____ License No. _____

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: _____

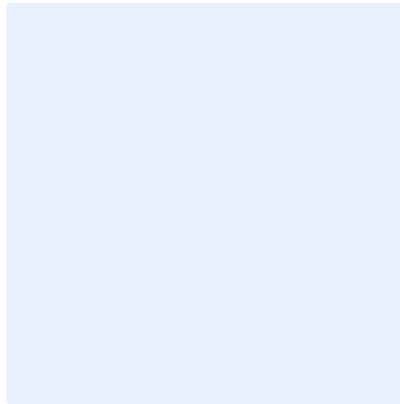
Inventory Rating: _____

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
Inventory					
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

FORM RD-OTHER
Revised Feb. 2021

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