|  |  |
| --- | --- |
| **FORM RC-TH****Revised July 2016** | **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) | **NBI Condition Ratings** |
|  | DeckSuperstructure |       |  |
|  [ ]  Bridge Inventory File |  |       |  |
|  [ ]  Previous Bridge Rating and Load Posting Report | Substructure |       |  |
|  |  |  |  |
|  [ ]  Bridge Plans | ADTT |        |  |
|  [ ]  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\* |
|  **\*** |       |  |
|  |
| **Method of Rating** (Check appropriate box) |  |  |
|  [ ]  Load Factor (LF) [ ]  Assigned LF Rating [ ]  Allowable Stress (AS) [ ]  Assigned LRFR | Design Load |       |  |
|  |  |  |  |
|  [ ]  Load & Resistance Factor (LRFR) |  |  |  |
|  [ ]  Load Testing | Design Method |       |  |
|  [ ]  Field Eval./Doc. Engineering Judgment |  |  |  |
| **Summary of Rating and Load Posting Analysis** |
| **Load Posting** |  Required  | [ ]  | **Bridge Rating** |
|  |  Not Required  | [ ]  |  |
| Sign | TONS | Inventory | Operating |
|  R12-1A  | [ ]  |      |  |  | HS [ ] RF [ ]  |  |  | HS [ ] RF [ ]  |  |  |
| R12-5a | [ ]  |      |  |  |  |       |  |  |       |  |
|  R12-5  | [ ]  |     M3 |     M3S2 |     M3-3 |  |  |  |  |  |  |
|  |  |  |  |  | **Overweight Permit Codes** |
|  R12-x11  | [ ]  |  | 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): |       |  |
|  |  |
| **FORM RD-TH****Revised Oct. 2011** | **BRIDGE RATING DETAILS** |
|  |
|  | Bridge Type |       |  | Bridge No. |       |  |
|  | Rating Method |       |  | Design Load: |       |  |
|  | Roadway Width |       |  | Inventory Rating: |       |  |
|  [ ]  Curved [ ]  Tapered | Operating Rating: |      |  |
|  | Beam Spacing |       |  | Rated |       | Checked |       |  |
|  [ ]  Live Load Distribution Factor  | Date: |       |  |
|  Single |       | Multiple |       |  | Sheet |      | of |      |  |
|  [ ]  Finite/Grid Element Analysis  |
|  |
| **BEAM ELEVATION 2** Show span lengths, structure/beam depths. |
| Truck | RatingFactor | Span/Pier | Location | Limit State **1** | Notes/Comments |
|  Inventory |       |       |       |       |       |
|  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.