

PROCEDURE FOR UPDATING BRADIN WHEN OPENING, CLOSING OR POSTING A BRIDGE

The purpose of this document is to provide clarification on procedural updates as an effort to comply with Federal Highway guidelines. This document supersedes previous guidance provided on March 11, 2019.

This guidance is being provided in response to several questions regarding procedures for making BRADIN updates when load rating values change, when posting signs are placed or when a bridge is opened or closed.

- **FOR NEW OR REVISED LOAD POSTINGS**

Update BRADIN for the Load Rating Values

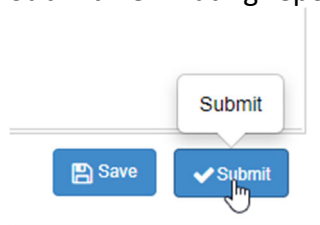
1. Create a New Rating report in BRADIN.



2. All required fields in the header and across all tabs must be populated.

* Fields with this color background are required

3. Submit New Rating report in BRADIN.

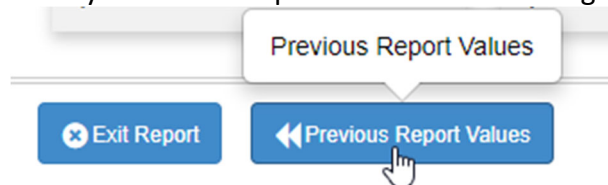


Once Signage is in Place

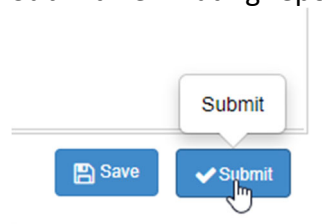
4. Create a New Rating in BRADIN.



5. Select the "Previous Report Values" button to copy load rating information from the previously submitted report into the New Rating report.



6. Update (41) Structure Open/Posted/Closed, Tons Posted, and Date Posted/Closed as appropriate.
7. Submit New Rating report in BRADIN.



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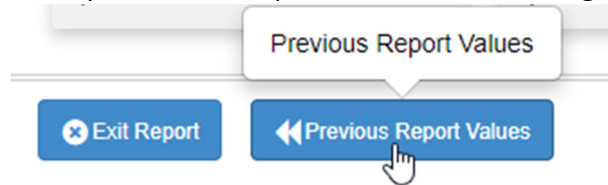
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- TO OPEN, CLOSE, OR REPLACE MISSING SIGNS

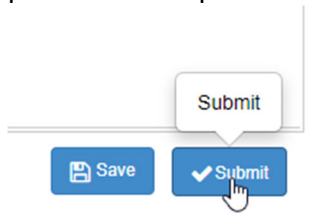
1. Create a New Rating report in BRADIN.



2. Select the “Previous Report Values” button to copy load rating information from the previously submitted report into the New Rating report.



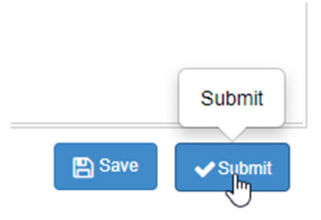
3. Update (41) Structure Open/Posted/Closed, Tons Posted, and Date Posted/Closed as appropriate.
4. Submit New Rating report in BRADIN. If all required fields are filled out and the report submits successfully, then no further action is necessary, otherwise proceed to Step 5



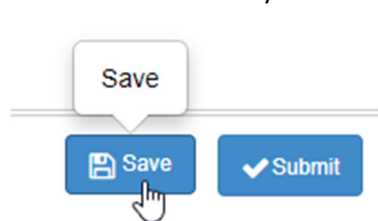
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5. If required fields are missing data and:
 - a. If a fully policy compliant load rating has already been performed, please update the required fields per the load rating and resubmit.



- b. If a fully policy compliant load rating has not yet been performed, please ensure at a minimum the following fields are updated, save the results, and contact BRADINSupport@indot.IN.gov for assistance with submitting.
 - i. (65) Inventory Rating Method
 - ii. (31) Design Load
 - iii. (41) Structure Open/Posted/Closed
 - iv. Tons Posted
 - v. Date Posted/Closed

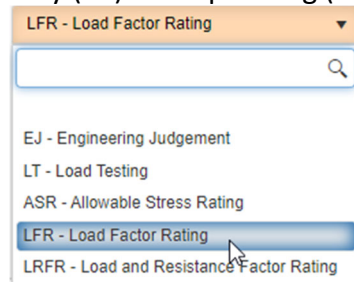


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Additional Discussion of NBIS and Posting Items:

- **ITEM 31 (DESIGN LOAD):** **Required.** The live load for which the structure was designed.
- **ITEM 41 (STRUCTURE OPEN/POSTED/CLOSED):** **Required.** The Bridge Owner may add conservatism but may not exceed the posting requirements specified in section 3-6 of the INDOT Bridge Inspection Manual and corresponding to all applicable legal and routine permit vehicle configurations specified in sections 3-4.02 and 3-4.03.
- **ITEM 63 (Method Used to Determine Operating Rating):** This field is automatically populated by BRADIN based on required fields. The rating method selected for Item 65 is reported for both Inventory (65) and Operating (63) rating methodology.
- **ITEM 65: (Method Used to Determine Inventory Rating):** **Required.** Select the rating method used from the dropdown box in BRADIN. The rating method selected for Item 65 is reported for both Inventory (65) and Operating (63) rating methodology.



- **ITEM 64 (OPERATING RATING):** This field is automatically populated by BRADIN based on required fields. This is the Design Operating Rating Factor for HL-93 when the rating method is LRFR. This is the Design Operating Load Capacity for HS20-44 for all other rating methods.
- **ITEM 66 (INVENTORY RATING):** This field is automatically populated by BRADIN based on required fields. This is the Design Inventory Rating Factor for HL-93 when the rating method is LRFR. This is the Design Inventory Load Capacity for HS20-44 for all other rating methods.
- **TONS POSTED:** **Required.** This value must be no greater than the lowest generated Safe Posting Load for Legal and Routine Permit loads. This value should be consistent with the inspection photos of posting signage documented in BIAS.
- **DATE POSTED/CLOSED:** **Required.** This field should correspond to the date at which the bridge was first closed or posting signage was first placed and documented in BIAS.
- **ITEM 70 (BRIDGE POSTING):** This field is automatically populated by BRADIN based on required fields. BRADIN determines the lowest entered Legal or Routine Permit Rating Factor and selects the appropriate value for Item 70.

For questions related to BRADIN Support please contact BRADINSupport@indot.IN.gov.

For all other load rating inquiries, please contact LoadRating@indot.IN.gov.