

DATE: April 23, 2025
 TO: Highway Structures Information System (HSIS) Users
 FROM: DTSD – Bureau of Structures
 SUBJECT: **April 2025 HSIS updates**

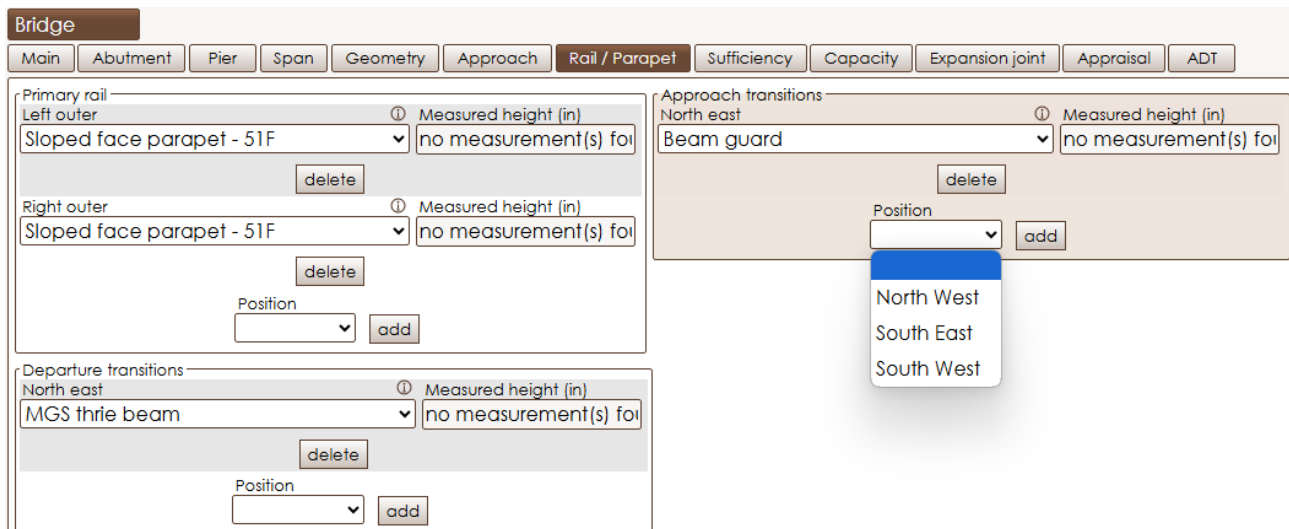
Version 3.0.1-1446 of HSIS was released on 4/22/25. The following is a list of some of the enhancements added and bugs fixed in these releases. This may not be a comprehensive list.

Version 3.0.1-1446 contains many changes related to implementing the NBIS and SNBI. If you believe something is not working correctly, if you cannot enter something you think you should be able to, or you have questions on where to find something, please contact me.

If you discover any bugs or have suggestions for enhancements, please email ryan.bowers@dot.wi.gov. If you do find a bug, please provide as much information as possible about what structure you were working on, what browser you used, if you were using a mobile device or not, items you were editing or clicking on prior to the bug occurring, etc. The more information you provide, the better chance we have at replicating the issue, determining the cause, and fixing it. Any screenshots or videos you can take are helpful.

Enhancements

- 1) “Approach transitions” and “departure transitions” have replaced “transitions” on the “rail/parapet” tab. The “position” dropdown has the following options for transitions: northeast, northwest, southeast, and southwest. These options replace the left inner, left outer, right inner, and right outer options that still exist for “primary rail”, “decorative rail”, and “screening”.



The screenshot shows the 'Bridge' data entry interface with the 'Rail / Parapet' tab selected. The interface is divided into three main sections:

- Primary rail:** Contains two rows for 'Left outer' and 'Right outer'. Each row has a dropdown for the structure type (e.g., 'Sloped face parapet - 51F'), a 'Measured height (in)' field (currently 'no measurement(s) for'), and a 'delete' button. Below these is a 'Position' dropdown and an 'add' button.
- Approach transitions:** Contains a row for 'North east' with a dropdown for the structure type (e.g., 'Beam guard'), a 'Measured height (in)' field (currently 'no measurement(s) for'), and a 'delete' button. Below this is a 'Position' dropdown with a blue highlight, and an 'add' button. The dropdown menu is open, showing the following options: 'North West', 'South East', and 'South West'.
- Departure transitions:** Contains a row for 'North east' with a dropdown for the structure type (e.g., 'MGS thrie beam'), a 'Measured height (in)' field (currently 'no measurement(s) for'), and a 'delete' button. Below this is a 'Position' dropdown and an 'add' button.

New “approach transitions” and “departure transitions” data fields.

- 2) The “unmanned vehicle” activity added in February 2025 is now able for use with all structure types. It previously could only be used for B and P structures.

- 3) A checkbox was added to designate is a bridge has “complex features”. The Structure Inspection Manual defines complex features as “the mechanical and electrical elements of moveable bridge and the primary cables of a cable stayed bridge.” If a bridge has complex features but the checkbox isn’t checked, please contact me so this can be updated. Bridges that have “complex feature” checked will have a “complex” inspection type available. See the Structures Inspection Manual for more information on the complex inspection type.

Complex feature checkbox.

Complex inspection type.

- 4) The “inspector” tab layout has been modified. The “inspector” tab now contains tabs for “contact”, “qualifications”, and “inspections”.
- “Contact” displays the name, address, and email address for the inspector’s employer.
 - “Qualifications” shows the qualifications assigned to the inspector. Inspection and activity types are listed, along with if the inspector is or is not qualified for that type.
 - “Inspections” lists inspections and activities the inspector completed in the past 24 months.

Preferences

Browser General User Account **Inspector** Home page Structure page

Inspector
Bowers, Ryan (9612) Contact Qualifications Inspections

Name
First MI Last
Ryan Bowers

Work
Employer Email
WisDOT ryan.bowers@dot.wi.gov
Address line 1 Phone (000)000-0000 (extension)
141 NW Barstow St (608) 267-3577
Address line 2 Fax (000)000-0000
optional: () -
City
Waukesha
State Zip 00000 (-0000)
WI 53188
delete
Address type
add

Inspector contact info.

Preferences

Browser General User Account **Inspector** Home page Structure page

Inspector
Bowers, Ryan (9612) Contact Qualifications Inspections

Assigned qualifications

Description	Effective start	Effective end
2014 Wisconsin Inspection Refresher Training	01-01-13	
2019 or 2024 Wisconsin Inspection Refresher Training	01-01-20	
NHI Bridge Inspection Course - 2 week or 1 week PE	05-09-24	
NHI NSTM Inspection Course	01-01-13	
NHI Refresher Training or 2 week / 1 week PE course	05-09-24	05-09-29
Team Leader	01-01-13	
Team Member	01-01-13	

Qualification Effective Start 04/10/2025 add

Inspection type qualification status

Inspection type	Status
Initial / inventory	qualified: NHI Bridge Inspection Course - 2 week or 1 week PE, NHI Refresher Training or 2 week / 1 week PE course, Team Leader, 2019 or 2024 Wisconsin Inspection Refresher Training
Routine - culvert	qualified: Team Member
Routine - hml	not qualified, missing: S/L Team Lead, NHI Ancillary Inspection Course

Inspector qualifications.

Preferences

Browser General User Account **Inspector** Home page Structure page

Inspector
McDaniel, Travis (9006) Contact Qualifications Inspections

Past 24 months inspections

370 inspections

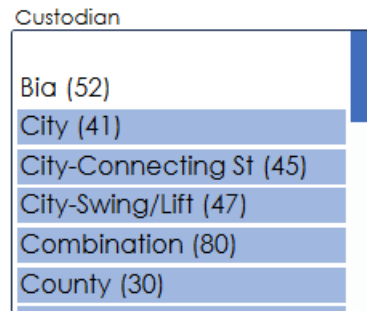
Date	Structure	On	Under	Type(s)	Activity(s)	Status	Reviewed
04/10/25	B-03-020	USH 53 SB	CHETEK RIVER	Routine	SIA review, SNBI, Uw-Profile	Checked-in	
04/08/25	B-02-424			Initial / inventory, Routine	SNBI	Checked-in	
04/02/25	B-03-014	USH 53 SB	CARLSON SCHOOL DRIVE	Routine	SIA review, SNBI	Completed	
04/02/25	B-03-026	USH 53 SB-KNAPP ST	KNAPP ST	Routine	SIA review, SNBI	Completed	
04/02/25	B-03-030	USH 53 SB	20TH ST	Routine	SIA review, SNBI	Completed	

Inspections and activities completed in past 24 months.

Bugs Fixed

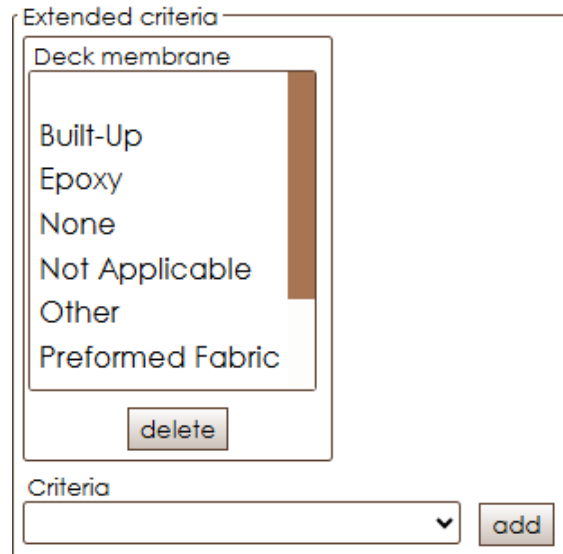
The following bugs were fixed with this version. Additional bugs not listed below were also fixed.

- 1) The inspection complete-disabled rules have been updated to allow use of element 12 when the span configuration is arch – open spandrel.
- 2) The “local” and “state” buttons on assist and in reports didn’t work.



local state

- 3) Under “assist”, “extended criteria” could not be added.



- 4) The new “rail/parapet” tab was not visible on the Bridge tab.
- 5) The “animal nesting/roosting presence on structure” checkbox on the Inspection > Notes / requirements tab was not able to be selected.
- 6) Users were unable to enter the current date as the start and end date of an inspection unless they clicked “save” after entering the end date. You no longer need to enter save after entering the end date.
- 7) V-structure inspections were requiring a rail height to be entered. This requirement has been removed.
- 8) Program managers were unable to update the routine inspection interval to 24 months after a special or initial inspection occurred and eliminated the need to a 12-month routine inspection interval.
- 9) Program managers were unable to set the uw-profile interval to 96 months if the bridge previously had but no longer required a dive inspection.
- 10) When running a report that was marked as “favorite”, the report was not running the first-time report options were selected. Users had to enter options and run the report twice.