

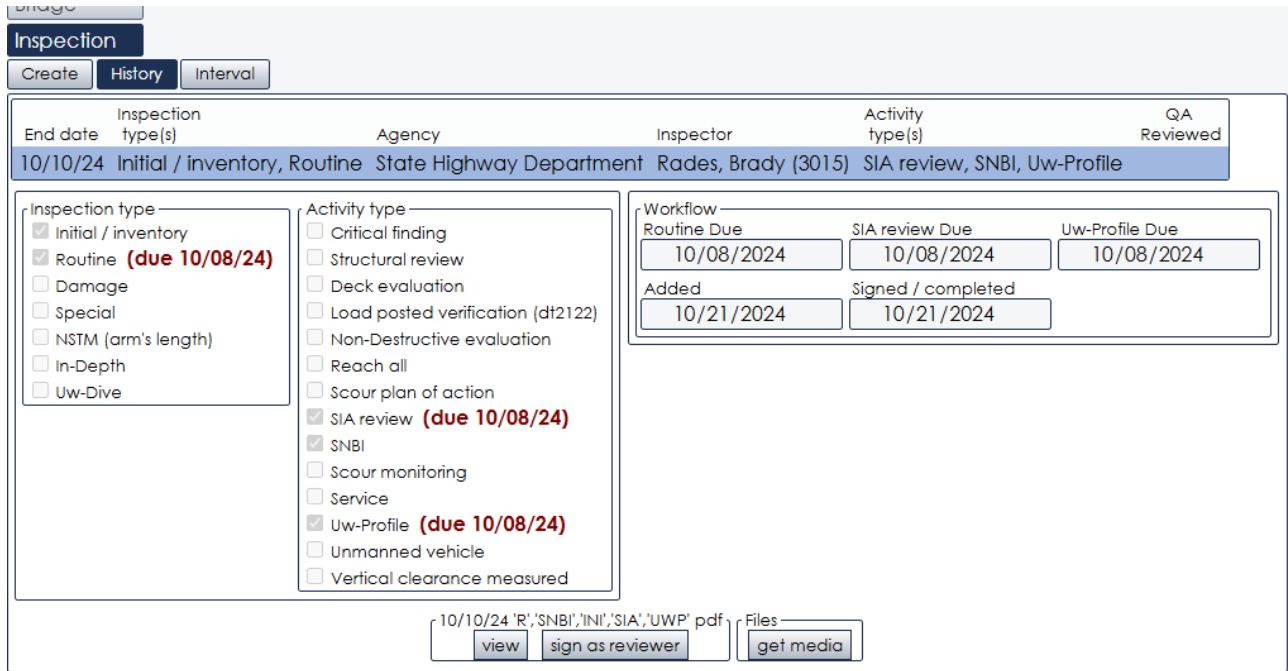
DATE: March 25, 2026  
 TO: Highway Structures Information System (HSIS) Users  
 FROM: DTSD – Bureau of Structures  
 SUBJECT: **March 2026 HSIS updates**

Two versions of HSIS were released in March. Version 3.0.1-1612 was released on 3/3/26. Version 3.0.1-1634 was released on 3/24/26. The following is a list of some of the enhancements added and bugs fixed in these releases. This may not be a comprehensive list.

If you discover any bugs or have suggestions for enhancements, please email [ryan.bowers@dot.wi.gov](mailto: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 (version 3.0.1-1612)**

- 1) Change were made to the QC and QA processes in HSIS. Previously, there was a button to “sign as reviewer” on the “history” tab. This button has been renamed to be “QC review”. Also, The “QA reviewed” column previously displayed on the “history” tab was renamed to “QC reviewed. A new “QA reviewed” column was added. This column will be populated with the date the QA inspection review activity is conducted.



The screenshot shows the 'History' tab in the HSIS interface. At the top, there are tabs for 'Create', 'History', and 'Interval'. Below the tabs is a table with columns: 'End date', 'Inspection type(s)', 'Agency', 'Inspector', 'Activity type(s)', and 'QA Reviewed'. A single row is visible with the following data: '10/10/24', 'Initial / inventory, Routine', 'State Highway Department', 'Rades, Brady (3015)', 'SIA review, SNBI, Uw-Profile', and 'QA Reviewed'. Below the table, there are two columns of checkboxes for 'Inspection type' and 'Activity type'. The 'Inspection type' column includes 'Initial / inventory', 'Routine (due 10/08/24)', 'Damage', 'Special', 'NSTM (arm's length)', 'In-Depth', and 'Uw-Dive'. The 'Activity type' column includes 'Critical finding', 'Structural review', 'Deck evaluation', 'Load posted verification (dt2122)', 'Non-Destructive evaluation', 'Reach all', 'Scour plan of action', 'SIA review (due 10/08/24)', 'SNBI', 'Scour monitoring', 'Service', 'Uw-Profile (due 10/08/24)', 'Unmanned vehicle', and 'Vertical clearance measured'. To the right of these checkboxes is a 'Workflow' section with three columns: 'Routine Due', 'SIA review Due', and 'Uw-Profile Due'. Each column has a date input field: '10/08/2024', '10/08/2024', and '10/08/2024'. Below these are 'Added' and 'Signed / completed' sections with date input fields: '10/21/2024' and '10/21/2024'. At the bottom, there is a file management section with a filename '10/10/24 'R','SNBI','INI','SIA','UWP' pdf', a 'Files' dropdown, and buttons for 'view', 'sign as reviewer', and 'get media'.

History tab prior to version 3.0.1-1612.

**Inspection**

Create History Interval

End date	Inspection type(s)	Agency	Inspector	Activity type(s)	QC Reviewed	QA Reviewed
10/10/24	Initial / inventory, Routine	State Highway Department	Rades, Brady (3015)	SIA review, SNBI, Uw-Profile		

**Inspection type**

- Initial / inventory
- Routine **(due 10/08/24)**
- Damage
- Special
- NSTM (arm's length)
- In-Depth
- Uw-Dive

**Activity type**

- Critical finding
- Structural review
- Deck evaluation
- Load posted verification (dt2122)
- Non-Destructive evaluation
- Reach all
- Scour plan of action
- SIA review **(due 10/08/24)**
- SNBI
- Scour monitoring
- Service
- Uw-Profile **(due 10/08/24)**
- Unmanned vehicle
- Vertical clearance measured

**Workflow**

Routine Due	SIA review Due	Uw-Profile Due
10/08/2024	10/08/2024	10/08/2024
Added	Signed / completed	
10/21/2024	10/21/2024	

10/10/24 'R','SNBI','INI','SIA','UWP' pdf: Files

view QC review get media

History tab after version 3.0.1-1612 and QC / QA changes.


When a QA inspection review activity is created, the inspection the QA is of needs to be selected. The user can select the inspection the QA is of from a list on the Edit tab. An example is shown in the lower right corner of the following image.

**Inspection**

Edit History Interval Structure information Elements Assessments Condition ratings Notes / requirements

Documents / images Maintenance Underwater

**Cover photo**



06/20/25

**Total time**

Hours  Minutes

**Conditions**

Air temperature f  Weather condition

**Team Personnel**

Team member	Role
<input type="text" value="begin typing to limit list"/>	<input type="text" value="begin typing to limit list"/>

**Inspection type**

- Initial inventory
- Routine **(due May 2026)**
- Damage
- Special
- NSTM arm's length
- In depth
- Movable
- UW dive

**Activity type**

- Critical finding
- Structural review
- Deck evaluation
- Load posted verification dt2122
- Non destructive evaluation
- QA inspection review
- Reach all **(due May 2026)**
- Scour plan of action

**Agency**

Consultant (10)

**Inspector**

Bowers, Ryan (9612)

**Begin date**

03/24/2026

**End date**

03/24/2026

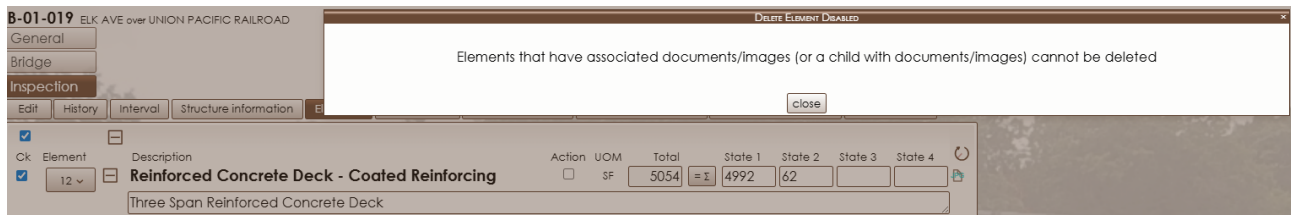
**QA reviews**

Reviewed

- 2025-07-09 Movable
- 2025-06-05 UW dive
- 2025-05-05 Routine
- 2024-06-17 Movable
- 2024-05-17 Routine
- 2023-04-12 In depth

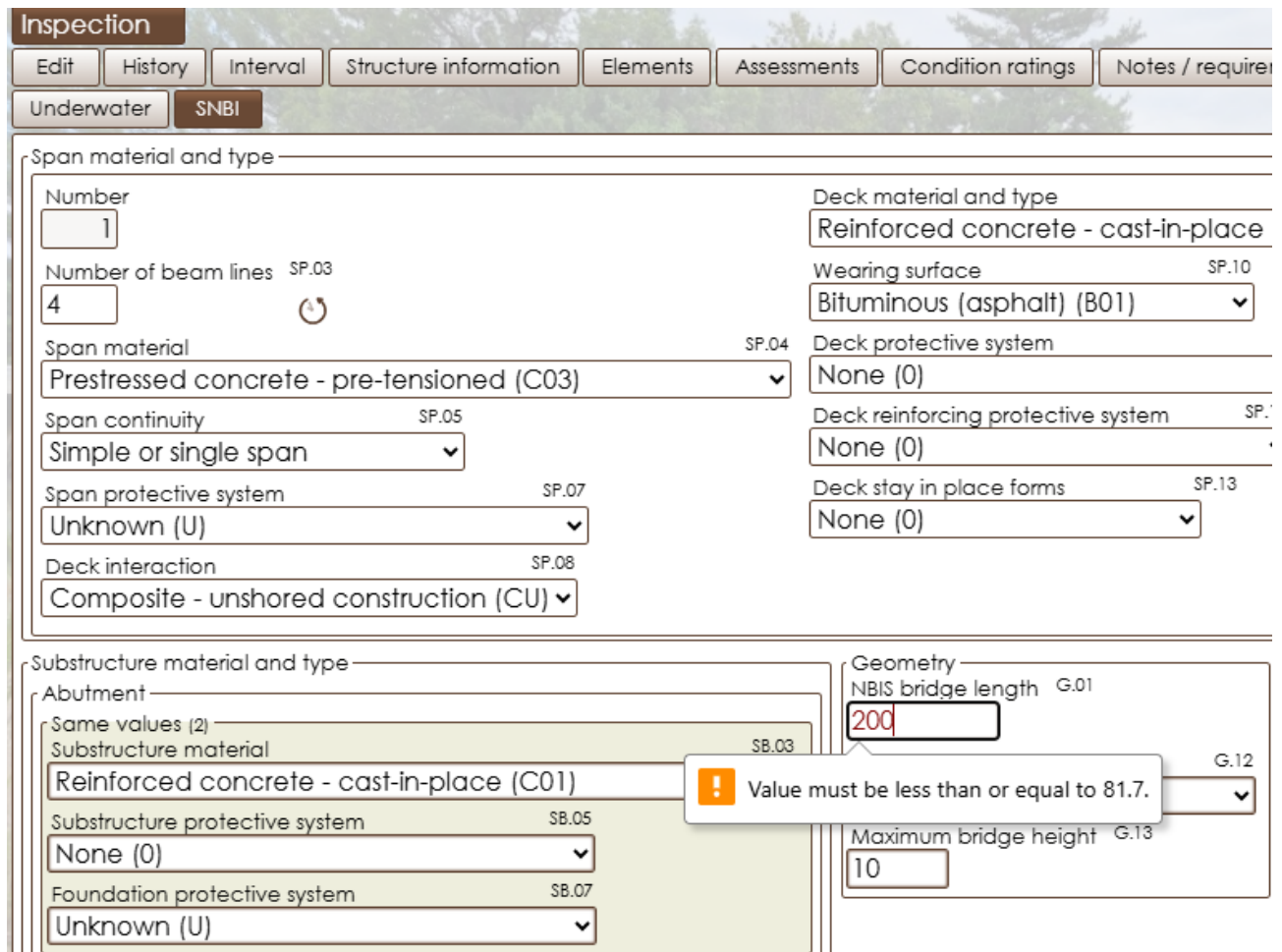
Inspection edit screen after a QA inspection review activity is created.

- 2) A pop-up message was added to help explain to users why an element may not be able to be deleted. Oftentimes, an element or assessment cannot be deleted because it is linked to a document. The link must be deleted first, and then the element or assessment can be deleted. The message shown below appeared when I tried deleting the reinforced concrete deck element.



Pop-up message when trying to delete an element that is linked to a document

- 3) The options available on the design load dropdown on the capacity tab were updated.
- 4) The “load posting status history” section was added to the capacity tab.
- 5) Checks were added to alert users when a value for G.01 NBIS bridge length is entered that is greater than G.02 total bridge length.



Pop-up message on SNBI tab when G.01 is greater than G.02.

Bridge

Main Feature Abutment Pier Span **Geometry** Approach Rail / Parapet Sufficiency Capacity Rating Hydraulic Expansion

Appraisal ADT

Length ft: 50  
 Lane count on: 2  
 Roadway area sf: 2778  
 Left curb or sidewalk width G.07: 0.0  
 Right curb or sidewalk width G.08: 0.0  
 Median width on ft: 0.0  
 National bridge inventory length:   
 Skew Direction:  Left  Right  
 Horizontal curve on radius ft: 0.0  
 Horizontal curve direction:  Left  Right  
 SNBI NBIS bridge length G.01: 80  
 Curved bridge G.12: Not curved (N)  
 Maximum bridge height G.13: 10  
 Irregular deck area G.15:

! Value must be greater than or equal to 80.

Pop up on Geometry tab when G.02 is greater than G.01.

Bridge

Main Feature Abutment Pier Span **Geometry** Approach Rail / Parapet Sufficiency Capacity Rating Hydraulic Expansion

Appraisal ADT

Length ft: 80.0  
 Deck area sf: 2864  
 Roadway area sf: 2720  
 Left curb or sidewalk width G.07: 0.0  
 Right curb or sidewalk width G.08: 0.0  
 Median width on ft: 0.0  
 National bridge inventory length:   
 Skew Direction:  Left  Right  
 Horizontal curve on radius ft: 0.0  
 Horizontal curve direction:  Left  Right  
 SNBI NBIS bridge length G.01: 90  
 Maximum bridge height G.13: 10  
 Irregular deck area G.15:

! Value must be less than or equal to 80.

Pop up on Geometry tab when G.01 is greater than G.02.

- 6) Inspection complete-disabled rules were added to ensure if a bridge railing or transition railing exists, a condition rating is provided, and if the railing doesn't exist, a condition rating is not provided.
- 7) Inspection complete-disabled rules were added to require missing SNBI data be populated before the inspection can be completed.
- 8) A new "inspection equipment" dropdown was added to the Notes / requirements tab. This dropdown lists all the options available for item IE.12 inspection equipment in the SNBI.
- 9) The "LFA" funding type was added to the Maintenance action funding type dropdown.
- 10) "NSTM with a crack in a tension area" was added to the "critical finding type" dropdown.

**Enhancements (version 3.0.1-1634)**

- 1) Changes were made to when a submitted inspection could be reopened. An inspector can still reopen an inspection one day after it is submitted. A region program manager can reopen an inspection within 90 days of the inspection end date. Please contact me about any inspections that may need to be reopened more than 90 days after the inspection date.
- 2) Special components "modular system – inquick" and "overlay high friction surface treatment" were added to the available special components.

### **Bugs Fixed (version 3.0.1-1612)**

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

- 1) Printed field inspections may not have included the elements or assessments.
- 2) The inspection interval tab was not visible to users with statewide inspection permissions.

### **Bugs Fixed (version 3.0.1-1634)**

- 1) Monthly scheduling reports would not send.
- 2) The “overtopping” field was required to be populated to submit an inspection for bridges not over waterways.
- 3) The inspection complete-disabled rules added in version 3.0.1-1612 related to railings were being required for all inspection and activities. They should only be required for routine inspections.