

DATE: August 27, 2025
TO: Highway Structures Information System (HSIS) Users
FROM: DTSD – Bureau of Structures
SUBJECT: **August 2025 HSIS updates**

Version 3.0.1-1494 of HSIS was released on 8/26/25. The following is a list of some of the enhancements added and bugs fixed in this release. This may not be a comprehensive list.

Version 3.0.1-1494 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) A new report with inspector information was added to HSIS. The report lists information on the inspector qualifications. The report can be found under Inspection > Inspector information > Inspector qualifications 2025.
- 2) Monthly scheduling reports have been updated to include railroad and private owned bridges that carry roadways.
- 3) The owner and maintainer list in HSIS has been updated to include additional relevant options included in the SNBI.
- 4) Border bridge fields L.09 border state inspection responsibility and L.10 border bridge designated lead state have been updated to better reflect the SNBI.
- 5) Rail types “other – concrete” and “masonry – block or stone” have been added to the available options.
- 6) A detour length of 999 can now be entered in HSIS. The SNBI requires 999 to be submitted when a detour does not exist.
- 7) Local small structures (V-structures) now require a value of 0-9 or “N” be entered for the deck, superstructure, substructure, and culvert NBI ratings. Previously, HSIS did not require a value to be entered for all four items before an inspection could be entered.

- 8) Functionality has been added to HSIS to combine existing bridges with unit numbers into one new structure. FHWA is requiring WisDOT to eliminate unit bridges. All but a few unit bridges will be combined into a new structure throughout the next few months. For most cases, the new structure number will be the “root” number of the unit bridge (for example, B-16-5-1, B-16-5-2, B-16-5-3, B-16-5-4, and B-16-5-5 will become B-16-5).

The “old” unit bridges have been changed to “replaced” in HSIS. Plans and inspection files for the unit bridges are not being migrated to the new structures right now. If you need to access data or files for one of these structures, there are multiple options to do so. You can a) from the home screen, go to “assist”, select “status code” from the “extended criteria” dropdown, and run a search with any other options you want selected. Or b) navigate to General > Attributes / relationship and click on the unit number you are interested in.

B-05-1134

General

Identification Location Map Draw File Program manager Construction Maintenance Route Clearance Special component Media Event Attribute / relationship

Network attributes: ①

Structure relationships

primary	secondary	description
B-05-134-0001	B-05-1134	B-05-134-0001 is a prior unit structure for B-05-1134
B-05-134-0002	B-05-1134	B-05-134-0002 is a prior unit structure for B-05-1134
B-05-134-0003	B-05-1134	B-05-134-0003 is a prior unit structure for B-05-1134

- 9) The “feature” tab has been added to HSIS. It is a subtab to the “bridge” tab. Currently, this tab is populated using information already found in HSIS. If the displayed information is wrong, or information is missing, please contact me. I am aware that F.03 name is duplicating the name for some features.

Bridge

Main Feature Abutment Pier Span Geometry Approach Rail / Parapet Sufficiency Capacity Rating Expansion joint Appraisal ADT

Feature: highway[01] - carried on bridge

Feature type F.01 Name F.03

H01 CTH EE | W Hampton Ave

Feature: highway[02] - below bridge

Feature type F.01 Name F.03

H02 IH 41 NB | USH 45 NB

Functional classification H.01 Urban H.02

Interstate (1) Milwaukee (057)

NHS H.03

Y

National highway freight network

Interstate portions not on the Primary Highway Freight System (2)

STRAHNET H.05

STRAHNET route (1)

LRS route id H.06

LRS mile point H.07 Lanes On H.08

3

Route(s)

RT.01	Number	RT.02	Direction	RT.03	Type	RT.04	Service type	RT.05
R01	41		Northbound (NB)		Interstate route (1)		Mainline (1)	
R02	45		Northbound (NB)		U.S. route (2)		Mainline (1)	

Legacy routes

Under Cardinal Primary IH 41 North (IH 41)

Under Cardinal USH 45 North (USH 45)

Other feature route

Feature: highway[03] - below bridge

Feature type F.01 Name F.03

H03 IH 41 | USH 45 | ZOO FREEWAY SB

“Feature” tab

Bugs Fixed

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

- 1) Inspector contact info was not always saving when entered on the Preferences > Inspection > Contact tab.
- 2) Deck and roadway width fields would allow 2 decimals to be entered in certain cases and 1 decimal in others.
- 3) The FOS ID field on the construction screen was being populated with spaces initially when the screen was created.
- 4) A server setting was changed which reduced the allowed file size. This caused files such as field inspections to fail when being created. The allowed file size has been returned to the previously allowed value.