

January 29, 2024

Dear Bridge Owners and/or Program Managers:

The National Bridge Inspection Standards (NBIS) updated in 2022 requires all bridges to be inspected with the Specifications for the National Bridge Inventory (SNBI) starting no later than January 2026. The state's plan is to begin inspecting with SNBI data in 2024. The requirement to change our bridge inspection data to the new SNBI means more data is required for every bridge. Some of this new data can be entered prior to an inspection. The Structure Inventory and Inspection Management System (SIIMS) will be updated to include all the new SNBI data. Before we begin inspecting bridges with the SNBI data, a special report type has been developed for entry of 38 SNBI items that are not inspection related and can be entered prior to the first SNBI inspection if desired.

A special report type called "SNBI – 38 Item Inventory Update" has been developed to enter the 38 items we've identified as new items not currently in the National Bridge Inventory and not inspection specific. You may create and approve this report prior to the first SNBI inspection to help reduce the inspectors need to enter a significant amount of data during the first inspection. Data entry and approval of this data is not restricted to Program Managers or Team leaders.

The 38 data items are listed below:

Item ID	Data Item Name	Format
B.CL.06	Emergency Evacuation Designation	AN (1)
B.ID.03	Previous Bridge Number	AN (15)
B.G.01	NBIS Bridge Length	N (7,1)
B.G.04	Minimum Span Length	N (5,1)
B.G.12	Curved_Bridge	AN (2)
B.G.14	Sidehill Bridge	AN (1)
B.G.15	Irregular Deck Area	N (10,1)
B.LR.02	Design Method	AN (4)
B.IR.01	NSTM Inspection Required	AN (1)
B.IR.02	Fatigue Details	AN (1)
B.IR.04	Complex Feature	AN (1)
B.AP.04	Scour Plan of Action	AN (1)
B.AP.05	Seismic Vulnerability	AN (1)
B.RT.01	Route Designation (many-to-one)	AN (3)
B.F.01	Feature Type (many-to-one)	AN (3)
B.F.02	Feature Location	AN (1)
B.RR.01	Railroad Service Type	AN (2)

38 data items continued:

Item ID	Data Item Name	Format
B.SP.01	Span Configuration Designation [many-to-one]	AN (3)
B.SP.03	Number of Beam Lines	N (3,0)
B.SP.05	Span Continuity	AN (1)
B.SP.07	Span Protective System	AN (3)
B.SP.08	Deck Interaction	AN (2)
B.SP.13	Deck Stay-in-Place Forms	AN (3)
B.SB.01	Substructure Configuration Designation [many-to-one]	AN (3)
B.SB.02	Number of Substructure Units	N (3,0)
B.SB.03	Substructure Material	AN (2)
B.SB.04	Substructure Type	AN (3)
B.SB.05	Substructure Protective System	AN (2)
B.SB.06	Foundation Type	AN (2)
B.SB.07	Foundation Protective System	AN (2)
B.IE.01	Inspection Type [many-to-one]	YYYYMMDD
B.IE.02	Inspection Begin Date	YYYYMMDD
B.IE.06	Inspection Due Date	YYYYMMDD
B.IE.07	Risk-Based Inspection Interval Method	YYYYMMDD
B.IE.08	Inspection Quality Control Date	YYYYMMDD
B.IE.10	Inspection Data Update Date	YYYYMMDD
B.W.02	Year Work Performed [many-to-one]	N (4,0)
B.W.03	Work Performed	AN (120)

These 38 data items will be identified in the “SNBI -38 Item Inventory Update” report with boxes around the text as shown below.

Span Material and Type

+ Add New

B.SP.01.1: Superstructure Type Selection

B.SP.01: Span Configuration Designation

B.SP.02: Number of Spans

B.SP.03: Number of Beam Lines

B.SP.04: Span Material

B.SP.05: Span Continuity

B.SP.06: Span Type

B.SP.07: Span Protective System

B.SP.08: Deck Interaction

M - Main

M01

3

1

C01 - Reinforced concrete

2 - Continuous

S01 - Slab - solid

0 - None

IM - Integral or monolithic

Any questions about this process should be directed to myself or Kevin Vrchticky
(Kevin.Vrchticky@iowadot.us or call 515-239-1648).

Sincerely,



Scott Neubauer, P.E.
Bridge Maintenance and Inspection Engineer