

# Nebraska Bridge Inspection Intervals

June 1, 2023

The following criteria are based on the risk-based inspection interval guidance from 23 CFR Part § 650.311 and Method 1 therein.

## Routine Intervals

Each bridge must be inspected at regular intervals not to exceed 24 months, except as noted below.

## Reduced Intervals

Bridges that meet the following criteria must be inspected at intervals not to exceed 12 months.

Bridges without load restrictions  
and

One or more of the following has a condition rating of 3 or less:

- Item 58 Deck
- Item 59 Superstructure
- Item 60 Substructure
- Item 62 Culvert
- Item 113 Scour

Bridges with load restriction  
and

A condition rating of 4 or less for any of the following:

- Item 59 Superstructure
- Item 60 Substructure
- Item 62 Culvert

and either of the following:

- Item 29 ADT of 400 or more
- Item 208 State Classification of Route of 6 or less (arterial or higher level)

or

Bridges with a condition rating of 3 or less for any of the following:

- Item 58 Deck
- Item 59 Superstructure
- Item 60 Substructure
- Item 62 Culvert
- Item 113 Scour

or

Fracture Critical bridges with a condition rating of 3 or less for the Item 59 Superstructure due to a fracture critical element.

## Extended Intervals

Certain bridges that meet all the following criteria as recorded in the NBI may be inspected at intervals not to exceed 48 months.

- a. Age less than 50 years.
  - i. (e.g. In 2022 Item 27 > 1972)
- b. Retain Condition Rating of 6 or greater for Items 58, 59, 60, 61 and 62
- c. Retain Inventory Ratings of HS20 or greater for bridges and for concrete culverts under fill.
  - i. (Item 66 is 36 tons or greater for bridges and for concrete culverts)
- d. Have maximum spans of less than 100 feet
  - i. (Item 48 < 100 ft)
- e. Are **not** Fracture Critical
  - i. (Structures with load path redundancy, Item 43B ≠ 9, 10, 13, 14, 15, 16, 17), or do not have fatigue prone details, like pins. (Item 92A = N, Item 342 = 0).
- f. Do not have category E or E' fatigue details
- g. Are not trusses
- h. Have been inspected by a state certified bridge safety inspector at least twice on a 24-month interval since constructed or reconstructed.
  - i. (e.g. most recent of Item 27 or Item 106 would be at least 4 years prior to the next 24-month interval inspection)
- i. Have **no** timber elements, including deck, superstructure, substructure, or piling.
- j. Have **no** serious scour concern, (Item 113 > 4 and/or Item 113 ≠ U or 6)
- k. Have ADT of less than 20,000 vehicles, (Item 29 < 20,000)
- l. Are **not** susceptible to vehicular damage, e.g., structures with vertical over or under clearances greater than or equal to 14'-0", (Item 53 and 54 ≥ 14'-0").
- m. Are **not** designated by State Program Manager as complex bridges, such as segmental bridges, cable stayed bridges, and tied arch girders.

## Inspection Interval Assignment

NDOT will conduct reviews of NBIS data and notify bridge owners of the required maximum inspection interval on a quarterly basis.