

## Bridges & Structures

### Tables of Frequently Requested NBI Information

The following links utilize bridge data submitted annually to FHWA by the States, Federal agencies, and Tribal governments, in accordance with the [National Bridge Inspection Standards](#) and the [Recording and Coding Guide for the Structure Inventory and Appraisal of the Nations Bridges](#) (.pdf). Each data set is submitted in the spring, and may be corrected or updated throughout the year. The data for all public bridges are considered final and are published on this website at the end of each calendar year.

**Changes to STRUCTURALLY DEFICIENT (SD):** Effective with the 2018 archived data, the definition of this term has changed as described below.

**Changes to FUNCTIONALLY OBSOLETE (FO):** Effective with the 2016 archived data, FHWA is no longer tracking this measure, and will no longer be publishing it on our website. See below for details.

- Bridge Condition by Highway System, [HTML](#) | [XLS](#) (0.1 mb)
- Bridge Condition by County, [HTML](#) | [ZIP](#) (6 mb)
- [Bridge Condition by Functional Classification](#)
- Bridge Condition by Owner, [HTML](#) | [XLS](#) (1 mb)
- Bridge Condition by Posting Status, [HTML](#) | [XLS](#) (0.6 mb)
- Bridge Condition by Year Built, [PDF](#) (4 mb) | [XLS](#) (0.5 mb)
- Bridge Replacement Unit Costs, [HTML](#) | [ZIP](#) (0.2 mb)

### Historical Data

- [Annual Materials Report on New Bridge Construction and Bridge Rehabilitation](#)
- [Bridges by Deck Structure Type](#)
- [Bridges by Wearing Surface](#)
- [Bridges by Year Built, Year Reconstructed and Material Type](#)
- [Bridge Mobility Performance Measures](#)
- [Bridges of Federal-Aid Highway and Non Federal-Aid Highway System](#)
- [Deficient Bridges by Highway System](#)
- [Deficient Bridges by Superstructure Material](#)
- [Deficient Bridges by Superstructure Type](#)

### Definitions

- **Good (G), Fair (F), Poor(P):** These terms are defined in accordance with the [Pavement and Bridge Condition Performance Measures final rule](#), published in January of 2017. Bridge Condition is determined by the lowest rating of National Bridge Inventory (NBI) condition ratings for Item 58 (Deck), Item 59 (Superstructure), Item 60 (Substructure), or Item 62 (Culvert). If the lowest rating is greater than or equal to 7, the bridge is classified as Good; if it is less than or equal to 4, the classification is Poor. Bridges rated 5 or 6 are classified as Fair.
- **Bridge Deck Area:** This term is defined in accordance with the [Pavement and Bridge Condition Performance Measures final rule](#), published in January of 2017. Bridge Deck Area is determined by multiplying Length (NBI Item 49) by Width. If NBI Item 52 (Deck Width) is greater than zero, this value is used for Width in the calculation. If Item 52 is zero or null, as in cases where the roadway is on a fill over the structure and headwalls do not affect the flow of traffic, NBI Item 32 (Approach Roadway Width) is used for Width in the calculation. *For data prior to 2018, only Item 52 is used for Width in the calculation, regardless of its value.* Bridge Deck Area is shown in square meters.
- **Structurally Deficient (SD):** This term was previously defined in <https://www.fhwa.dot.gov/bridge/0650dsup.cfm> as having a condition rating of 4 or less for Item 58 (Deck), Item 59 (Superstructure), Item 60 (Substructure), or Item 62 (Culvert), OR having an appraisal rating of 2 or less for Item 67 (Structural Condition) or Item 71 (Waterway Adequacy) *Beginning with the 2018 data archive*, this term will be defined in accordance with the [Pavement and Bridge Condition Performance Measures final rule](#), published in January of 2017, as a classification given to a bridge which has any component [Item 58, 59, 60, or 62] in Poor or worse condition [code of 4 or less].
- **Functionally Obsolete (FO):** This term was previously defined in <https://www.fhwa.dot.gov/bridge/0650dsup.cfm> as having an appraisal rating of 3 or less for Item 68 (Deck Geometry), Item 69 (Underclearances), or Item 72 (Approach Roadway Alignment), OR having an appraisal rating of 3 for Item 67 (Structural Condition) or Item 71 (Waterway Adequacy). Functionally obsolete is a legacy classification that was used to implement the Highway Bridge Program, which was discontinued with the enactment of MAP-21. As a result, fiscal year 2015 was the last year outstanding Highway Bridge Program funds could be obligated on eligible projects, including ones with bridges that were once classified as functionally obsolete. Therefore, FHWA is no longer tracking this measure, and *will not be publishing it on our website for the 2016 data forward*. Our focus has shifted to a performance-based program as established in MAP-21 and continued in the Fast Act. As such, we encourage the use of the Good-Fair-Poor bridge condition measures outlined in the [Pavement and Bridge Condition Performance Measures final rule](#), published in January of 2017.
- **Highway Bridge:** A public vehicular structure more than 6.1 meters (20 feet) in length that spans an obstruction or depression. In data terms, all of the following apply: Item 5a=1; Item 49>=6.1 meters; Item 112=Y; and Item 42a=1 or 4 or 5 or 6 or 7 or 8.
- All codes for all items in the National Bridge Inventory can be found in the Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation's Bridges located at: <https://www.fhwa.dot.gov/bridge/bripub.cfm> and its [Errata](#).
- Definition of the National Highway System (NHS) can be found at: [https://www.fhwa.dot.gov/planning/national\\_highway\\_system/](https://www.fhwa.dot.gov/planning/national_highway_system/)