



## Data Dictionary for 2016 Annual Bridge Report

| Column | Variable                           | Description                                                                                                                                                                                                   |
|--------|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | State                              | State where the bridge is located.                                                                                                                                                                            |
| 2      | County                             | County where the bridge is located.                                                                                                                                                                           |
| 3      | Location                           | Description of where the bridge is located. The field includes a description of the features intersected by the bridge, the route or use on the structure and a narrative description of the bridge location. |
| 4      | Deficiency Status                  | Indicates if the structure is classified as functionally obsolete or structurally deficient.                                                                                                                  |
| 5      | Sufficiency Rating                 | The sufficiency rating indicates if a bridge is sufficient to remain in service. A bridge with 100% rating is entirely sufficient. A bridge must be below 80% to be considered deficient.                     |
| 6      | Operational Status                 | Indicates if the bridge is open to traffic, closed or has certain limitations.                                                                                                                                |
| 7      | Bridge ID                          | A structure number that is unique to each bridge in a state.                                                                                                                                                  |
| 8*     | Road Type                          | Functional classification of the route where the bridge is located.                                                                                                                                           |
| 9      | Owner                              | Agency or authority that owns the bridge.                                                                                                                                                                     |
| 10     | Year built                         | Year the bridge was built.                                                                                                                                                                                    |
| 11     | Maintenance                        | Agency or authority responsible for the maintenance of the bridge.                                                                                                                                            |
| 12     | Material                           | Material used to make the bridge.                                                                                                                                                                             |
| 13     | Type of service                    | The type of traffic and service on the structure.                                                                                                                                                             |
| 14     | Design type                        | Type of design for the main bridge.                                                                                                                                                                           |
| 15     | Design Load                        | Design load of the structure.                                                                                                                                                                                 |
| 16     | Toll Road                          | Indicates if the bridge is on a toll road.                                                                                                                                                                    |
| 17     | Lanes on Bridge                    | Number of lanes on the bridge.                                                                                                                                                                                |
| 18     | Lanes under Bridge                 | Number of lanes under the bridge.                                                                                                                                                                             |
| 19     | Length                             | Length of the entire bridge structure in meters.                                                                                                                                                              |
| 20     | Width                              | The out to out width of the deck in meters.                                                                                                                                                                   |
| 21     | Average Annual Daily Travel        | Average annual daily traffic going over the structure.                                                                                                                                                        |
| 22     | Future AADT in Year                | Future average annual daily travel on the route where the bridge is located and the year for the prediction.                                                                                                  |
| 23     | Average daily truck traffic        | Average annual daily truck traffic over the bridge.                                                                                                                                                           |
| 24     | On the National Highway System     | Indicates if the structure is on the National Highway System.                                                                                                                                                 |
| 25     | Historic Bridge Status             | Historic status of the bridge.                                                                                                                                                                                |
| 26     | Part of the national Truck network | Indicates if the structure is part of the national truck network.                                                                                                                                             |

|      |                             |                                                                                                           |
|------|-----------------------------|-----------------------------------------------------------------------------------------------------------|
| 27   | Last inspection date        | Month and year of last inspection date.                                                                   |
| 28   | Inspection frequency        | Frequency of bridge inspections, in months.                                                               |
| 29   | Deck Surface Type           | Type of deck structure on the bridge.                                                                     |
| 30   | Wearing surface             | Type of wearing surface on the bridge.                                                                    |
| 31   | Deck protection             | Protection on the bridge deck.                                                                            |
| 32   | Deck Condition              | Rating from 0 to 9 of the condition of the bridge deck.                                                   |
| 33   | Superstructure Condition    | Rating from 0 to 9 of the condition of the superstructure.                                                |
| 34   | Substructure Condition      | Rating from 0 to 9 of the condition of the substructure.                                                  |
| 35   | Channels and protection     | Rating from 0 to 9 of the condition of the bridge channel and channel protection.                         |
| 36   | Culverts                    | Rating from 0 to 9 of the condition of the bridge culverts.                                               |
| 37   | Deck geometry               | Appraisal rating of the deck geometry of the bridge from 0 to 9.                                          |
| 38   | Structural Evaluation       | Appraisal rating of the structural evaluation of the bridge from 0 to 9.                                  |
| 39   | Bridge railings             | Reported information on if the bridge railings meet currently acceptable safety standards.                |
| 40   | Transitions                 | Reported information on if the bridge transitions meet currently acceptable safety standards.             |
| 41   | Approach guardrail          | Reported information on if the bridge approach guardrail meets currently acceptable safety standards.     |
| 42   | Approach guardrail ends     | Reported information on if the bridge approach guardrail ends meet currently acceptable safety standards. |
| 43   | Underclearances             | Appraisal rating of the underclearances of the bridge from 0 to 9.                                        |
| 44   | Waterway adequacy           | Appraisal rating of the water adequacy of the bridge from 0 to 9.                                         |
| 45   | Approach roadway alignment  | Appraisal rating of the approach roadway alignment of the bridge from 0 to 9.                             |
| 46** | Identified Repair           | Type of work that is needed on the bridge.                                                                |
| 47   | Date of last reconstruction | The year the bridge was last reconstructed.                                                               |
| 48** | Estimated Cost              | Estimated total project costs for any proposed bridge improvements, in millions.                          |
| 49   | Age                         | Age of bridge, in years.                                                                                  |

\* Bridges are classified by FHWA into types based on the functional classification of the roadway on the bridge. Interstates comprise routes officially designated by the Secretary of Transportation, and the Dwight D. Eisenhower National System of Interstate and Defense Highways. Other principal arterials serve major centers of urban areas or provide mobility through rural areas. Freeways and expressways are similar to interstates, with directional lanes generally separated by a physical barrier, and access/egress points generally limited to on-and off-ramps. Minor arterials are used for trips of moderate length, serve smaller geographic areas and connect to the higher arterial system. Collectors funnel traffic from local roads to the arterial network; major collectors have higher speed limits and traffic volumes, and are longer in length and spaced at greater intervals, while minor collectors are shorter and provide service to smaller communities. Local roads do not carry through traffic, and are intended for short distance travel.

\*\*Note that data for identified repairs and estimated cost is required for bridges that are eligible for the Highway Bridge Replacement and Rehabilitation Program. To be eligible, a bridge must carry highway traffic, be deficient and have a sufficiency rating of 80 or less. This data may be available for other bridges at the discretion of the highway agency.