TABLE OF CONTENTS
Cover

Cover Page

Table of Contents:

Contents at a Glance

Introduction
  Overview
  Electronic Inventory Reporting Forms
  Personnel: Regional and Main Office
  Bridge Terms

Data
  System Information

Record Code Field Descriptions

General Coding Instructions
  Region
  County
  BIN
  Record Code
  Transaction Code

Record Code 01 - Bridge Identification
  Local Bridge Number
  Political Unit
  Latitude
  Longitude
  Location
  Direction of Orientation
  Owner
  Maintenance Responsibility
  Federal-Aid/Federal Funding Status
  Type of Service
  Map Number
  Contract Plans Available
  Hydrological Report Available
  Original Contract Number
  Year Built
  Year of Last Major Rehabilitation
  Acquisition Method
  Order Number
  Year Acquired
  Ramps Attached
  Historical Significance
  Critical Facility
  State Priority Rank
Record Code 02 - Structural Details

Material Main Span
Superstructure Type (Main Span)
Material (Approach Span)
Superstructure Type (Approach Span)
Design Load
Length of Longest Span
Total Length of Bridge
Approach Roadway Width
Out-to-Out Width
Out-to-Out Width Varies
Curb-to-Curb Width
Curb-to-Curb Width Varies
Curb Type (Left & Right)
Sidewalk Width (Left & Right)
Sidewalk Type (Left & Right)
Median Width
Median Type
Abutment Type (Begin & End)
Abutment Wingwall Type (Begin & End)
Abutment Footing Type (Begin & End)
Abutment Pile Type (Begin & End)
Abutment Height (Begin & End)
Abutment Skew Angle (Begin & End)
Abutment Joint Type (Begin & End)
Abutment Slope Protection (Begin & End)
Area of Bridge Deck
Radius
Temporary Bridge Designation

Record Code 03 - Safety and Utility

Type of Guide Rail
Guide Rail Transition
Guide Rail Terminus
Curb Transition
Appraisal of Approach Roadway Alignment
Type of Median Barrier
Type of Railing (Left & Right Bridge)
Gore Area
Type of Attenuator
Utilities
Light Standards On
Light Fixtures On (On/Under)

Record Code 04 - Inspection Responsibility

Inspection Responsibility - Primary
Inspection Responsibility - Primary - Spans * This Item is no longer used

Inspection Responsibility - Secondary
Inspection Responsibility - Secondary - Spans * This Item is no longer used
Record Code 05 - Bridge Inspection

Bridge Inspection Ratings
Inspection Date
Flags
Agency
Inspection Type
Condition Rating
Sufficiency Rating Prefix
Sufficiency Rating

Record Code 06 - Postings

Recording Date * This Item is no longer used
Posted Vertical Clearance (On)
Posted Vertical Clearance (Under)
Posted Load
Date Posted

Record Code 07 - Load Rating

Level 1 Rating Method
Level 1 Rating Source
Level 1 Rating Date
Level 1 H Inventory Rating - Tons
Level 1 H Operating - Tons
Level 1 HS Inventory Rating - Tons
Level 1 HS Operating Rating - Tons
Level 1 M Inventory Rating - M Tons
Level 1 M Operating Rating - M Tons
Level 1 MS Inventory Rating - M Tons
Level 1 MS Operating Rating - M Tons
Level 2 Rating Method
Level 2 Rating Source
Level 2 Rating Date
Level 2 H Inventory Rating - Tons
Level 2 H Operating Rating - Tons
Level 2 HS Inventory Rating - Tons
Level 2 HS Operating Rating - Tons
Level 2 M Inventory Rating - M Tons
Level 2 M Operating Rating - M Tons
Level 2 MS Inventory Rating - M Tons
Level 2 MS Operating Rating - M Tons

Record Code 08 - Proposed Improvements

(Section to be written)
**Record Code 9 - Federal Ratings**

- Deck Rating
- Superstructure Rating
- Substructure Rating
- Channel Rating
- Culvert Rating
- Inspection Date
- NBI Structural Condition
- NBI Deck Geometry
- NBI Under Clearance

**Record Code 12 - Feature Carried**

- Feature Number
- Over-Under-On Code
- Feature Code
- Description Type
- Description or Route Number/Reference Marker
- Secondary Description
- Future AADT
- Year of Future AADT
- Mile Point
- Overlap Routes
- Maximum Vertical Clearance
- State Highway Number
- Type of Highway
- Route Description
- Federal Aid System
- Functional Classification
- Toll
- Total Number of Lanes on the Bridge
- Lanes Vary
- Minimum Lane Width
- Number of Lanes (Left & Right)
- AADT
- Year of AADT
- Average Daily Truck Traffic
- Total Horizontal Clearance
- Minimum Vertical Clearance
- Bypass Detour Length
- STRAHNET Designation
- Designated National Network (for Trucks)
- National Highway System
Record Code 13 - Feature Intersected

Feature Number (of Intersected Feature)
Over-Under-On Code
Feature Code
Description Type
Description or Route and Reference Marker
Mile Point
Future AADT
Year of Future AADT
State Highway Number
Type of Highway
Route Description
Federal Aid System
Functional Classification
Toll
Number of Lanes
Maximum Vertical Clearance
Minimum Vertical Clearance Provided for Navigation (Movable Bridges Only)
Protection of Substructures from Navigation
AADT
Year of AADT
Total Horizontal Clearance
Minimum Horizontal Clearance (Left)
Minimum Horizontal Clearance (Right)
Minimum Vertical Clearance
Navigation Control
Maximum Vertical Clearance Available to Navigation
Stream Bed Material
Bank Protection
Velocity of Current
Features Affecting Stream Flow
Bypass Detour Length
STRAHNET Designation
Designated National Network (for Trucks)

Record Code 15 - Span

Span Number
Features Intersecting Spans
Material Type
Protective Coating Type
Composite Action
Simple, Continuous, Suspended, Curved
Superstructure Span Design Type
Structural Details
Fracture Critical
Fatigue Resistant
Out-of-Plane Bending
Load Path Redundancy
Internal Redundancy
Structural Redundancy
Span Length
Pier Type
Pier Height
Pier Footing
Pier Piles
Pier Skew Angle
Pier Joint Type
Deck Drainage
Type of Railing (Left/Right)
Bearing Fixity (Begin and End)
Bearing Type (Begin and End)
Structural Deck Type
Stay-In-Place Forms
Original Wearing Surface
Original Wearing Surface Still In Place
Present Wearing Surface
Surface Sealant
Ballast
Median Width

Record Code 16 - Span Inspection

BIN
Inspection Date
Span Number
Region
County
Wearing Surface Rating
Monolithic Surface Rating
Curbs Rating
Sidewalk/Fascia Rating
Rail/Parapets Rating
Scupper Rating
Grate Rating
Median Rating
Structural Deck Rating
Primary Member Rating
Secondary Member Rating
Superstructure Paint Rating
Superstructure Joint Rating
Superstructure Recommendation
Pier Bearing Rating
Pier Pedestal Rating
Pier Top of Cap Rating
Pier Stem Rating
Pier Cap Beam Rating
Pier Column Rating
Pier Footing Rating
Pier Erosion Rating
Pier Pile Rating
Pier Recommendation
Lighting Rating
Sign Rating
Utility Rating
Download Year
Record Code 17 - Access

Span Number
Walking
Step Ladder
Extension Ladder
40 Ft UBIU (12 m)
60 Ft UBIU (18 m)
Lightweight UBIU
Small Lift
Medium Lift
Large Lift
Rowboat
Barge
Diving
Railroad Flagman
Railroad Electrical
Scaffolding
Lane Closure
Shadow Vehicle
Other Access Needs

Record Code 18 - Delete BIN Data

Delete BIN

Record Code 19 - Further Investigation

Further Investigation

Record Code 21 - Work History

Type of Work
Month
Year
Contract Number
Type of Contract
Money Value
Comments
Designer Name*
Designer Organization*
PIN*

* These codes are for future use
Record Code 68 - Activate Bridge Status

Activate Bridge Status

BSA Data

- BSA Vulnerability Type Code
- Vulnerability Rating Date
- Vulnerability Failure Type
- Vulnerability Rating Category
- Vulnerability Classification Score

Data Edit/Update

- Construction of New Bridges
- Bridge Improvement Projects
- Damage to Bridges
- Deterioration by Weather and Use
- Bridge Deletions
- Administrative Modifications to Database

Reports/Output

- Federal File (to be written)
- Year End Reports (to be written)

Appendices

A. Abandoned/Deleted Bridge Report
B. Assigning a New BIN
C. Closed/Opened Bridge Report
D. Load Posting Report
E. FHWA Coding Guide Excerpts
F. Data Entry Forms
G. Named Roads