Indiana Historic Bridge Inventory

Volume 5: Historic Bridge Database Guidance

INDOT CC No. 050108

Report prepared for

Indiana Department of Transportation

Report prepared by

M&H Architecture, Inc.

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&HUNT

A   **company**

December 2010

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Appendices

Executive Summary

This document provides guidance on the *Historic Bridge Database* (database) developed as part of this project for the Indiana Department of Transportation (INDOT) in fulfillment of Stipulations II.A and B of the Indiana Historic Bridge Programmatic Agreement (PA) executed August 11, 2006.

The database was used as a tool to apply the National Register Criteria for Evaluation (evaluation criteria) as outlined in *Indiana Historic Bridge Inventory, Volume 1: National Register Eligibility Results* (February 2009) and the methodology to identify Select and Non-Select Bridges in *Indiana Historic Bridge Inventory, Volume 3: Methodology to Identify Select and Non-Select Bridges* (December 2010). The database was developed to organize project data with forms and reports for use by INDOT as specified in Activity 4.5.9 in Attachment A of the PA.

This document provides the following:

Section 1 – Data and Sources: provides data tables and metadata on table data fields.

Section 2 – Viewing Results: provides a description of the form to view the results.

Section 3 – Editing Data: provides a list of forms to edit existing data with new information.

Section 4 – Generating Results: provides instructions to re-generate reports found in *Indiana Historic Bridge Inventory, Volume 2: Listing of Historic and Non-Historic Bridges* (February 2009) and *Indiana Historic Bridge Inventory, Volume 4: List of Select and Non-Select Bridges* (December 2010).

Throughout this document the tables, forms, and reports referenced in the database are provided in italics and its type is indicated (e.g., *Historic Bridge Inventory Review form*, *All Bridges table*).

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1.   Data and Sources

The database is in Microsoft Access 2000 format.[1] The database was developed between 2006 and 2010 to support National Register of Historic Places (National Register) eligibility and Select/Non-Select determinations. The database contains records for 18,490 county-owned and state-owned bridges provided to Mead & Hunt, Inc. (Mead & Hunt) in 2006. Appendix A provides the methodology used to create a combined set of county-owned and state-owned data and the categories of bridges excluded from further consideration. Forty-one non-National Bridge Inventory (NBI) bridges were added to the database as a result of public involvement. The database contains three tables with the bridge-specific data used for this project:

- *All Bridges table*
- *Select Bridges – Individual Review Process Data table*
- *Select Bridges – Crash Data table*

Appendix B provides the names of the data fields and metadata for each of these tables. Additional tables are used as "look up" tables to translate numerical values into text. For example, *Type of service42* converts the numerical value of NBI item 42 from INDOT's bridge inspection database to the types of service on and under each bridge as text, and *Connection type* converts the numerical value of the main span connection type(s) noted during research and field survey activities. Look up tables are not listed in Appendix B.

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[1] Users must enable the content when opening the database in versions of Microsoft Access after 2000. To enable the content, select "Options" in the Security Warning that appears below the toolbar menu after first opening. Since the database comes from a trusted source, enabling content in the database is not a security issue.

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2. Viewing Results

The database automatically opens showing the *Historic Bridge Inventory Review Form*. This form contains six tabs at the top of the form. These tabs organize information in the following manner:

- Structural Information tab: provides exclusion reason (if applicable), date of construction, structural characteristics (such as type, subtype, skew, length of maximum main span, etc.), ownership, and type of service.

- Historical Information tab: provides public involvement response(s), historic bridge name, name(s) of bridge engineer/designer/builder, and additional information.

- National Register Evaluation tab: shows the application of the evaluation criteria and the eligibility determination for each bridge not excluded from the inventory.

- Select and Non-Select Information tab: provides the Select status, Select consideration notes, Selection Matrix Box assignment, and Condition Score for historic bridges.

- Individual Review Form tab: shows the results of the individual review process outlined in Volume 3.

- Assessment of Pedestrian Load Capacity tab: shows the results of this test as defined in Volume 3, Appendix D.

An additional eight forms are in the database. In addition to the *Historic Bridge Inventory Review Form* and the four forms (A-D) listed in Section 3 below, the remaining three forms include:

- *Individual Review Process for Inventory Review Form*

- *Individual Review – Non-Vehicular Use for Inventory Review Form*

- *Load Test Pedestrian Bridges for Inventory Review Form*

These three forms are included as subforms in the *Historic Bridge Inventory Review Form.* Do not delete these forms or *Historic Bridge Inventory Review Form* will not function properly. Any changes made in these forms will result in the same changes in the *Historic Bridge Inventory Review Form.*

Appendix C includes a listing of the forms in the database; the tables, queries, and/or forms on which the form is based; and the basic function of each form.

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3. Editing Data

Four data entry forms are provided to update bridge engineering data, National Register eligibility, or Select/Non-Select determinations for individual bridges. To begin editing data, the database must be unlocked and the *Historic Bridge Inventory Review Form* must be closed.

- Instructions for locking and unlocking the database: to globally lock or unlock the database using Access 2007, select the Office menu button in the upper left hand corner of the screen to select "Access Options", "Advanced", and choose "All records" to lock or "No records" to unlock under "Default Record Locking."

  In Access 2007, the Office menu button looks like:

  In Access 2000 and earlier versions, select "Tools", then "Options", and the "All records" or "No records" under "Default Record Locking" portion of the "Advanced" tab.

  In Access 2010, click on the "File" tab and then select "Option." Click on "Client Settings" on the left-hand side of the dialogue box and scroll down to the "Advanced" section. Settings for locking and unlocking the database are under "Default record locking."

- To close the *Historic Bridge Inventory Review Form,* select the "Close Window" button. The "Close Window" button is located near the top of the screen in the upper right hand corner under the "Close" button that closes the program.

The four data editing forms listed below are found in the database under "Forms" in the Navigation Pane of Access. Use the drop down menus to change selections or use the cursor and keyboard to change or manually enter new data into fields. Special instructions to complete updates and any warnings are shown in red font.

Data editing forms:

(A) Structural and Historical form
Use this form to change data shown on the "Structural Information" and "Historical Information" tabs of the *Historic Bridge Inventory Review Form.*

(B) National Register Evaluation form
Use this form to change point totals, rationale statements, and eligibility determinations.

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(C) Select/Non-Select Information form

Use this form to change information shown in the "Select and Non-Select Information" tab of the *Historic Bridge Inventory Review Form*.

(D) Individual Review Process form

This form applies to Selection Matrix Box 3 bridges only. Use this form to record the results of a new individual review or change the results of an existing individual bridge review.

Direction on completing individual review is provided in Volume 3, Section 4, Step 5. Individual review requires the use of judgment to by historic preservation professionals and engineering professionals to arrive at a determination.

4.   Generating Results

Sixteen reports are found in the "Reports" tab in the Navigation Pane of Access. Double click on individual reports to print updates to project deliverables as follows:

- Eleven reports correspond to specific sections in Volumes 2 and 4. Print these reports as PDF files for the corresponding sections in Volume 2 and Volume 4 to reflect updates after editing data.

- Two reports show data used to apply the Select/Non-Select methodology. These reports use engineering data in tables and calculations completed for this project. Updates to values in these forms must be manually completed in the *All Bridges table*:

    o   Condition Score Calculation

    o   Low Volume Road Standards Test

- 3 reports organize the results in Volume 2 and Volume 4 differently and were requested by INDOT for its internal use:

    o   *Historic Bridges by District* lists eligible state-owned bridges by INDOT District

    o   *List of Select and Non-Select Bridges by County* lists county-owned and state-owned by County

    o   *List of Select and Non-Select Bridges State Bridges* lists state-owned bridges by INDOT District

Appendix D includes a listing of the reports in the database, the basic function of the report, and the queries on which each report is based.

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Appendix A. Methodology to Develop Historic Bridge Inventory Database

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M & H Architecture, Inc.
7900 West 78th Street, Suite 370
Minneapolis, MN 55439

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DATE: September 29, 2006

TO: Ms. Mary Kennedy
            Indiana Department of Transportation
            100 North Senate Avenue, Room N642
            Indianapolis, IN 46204

FROM: Chad Moffett, M & H Architecture, Inc.

SUBJECT: Historic Bridge Inventory, CC#050108
            Indiana Bridge Inspection Database Exclusions

As part of Task 1, Mead & Hunt consolidated state and county bridge inspection data into a single database for purposes of analysis. This memorandum serves to confirm with INDOT: (1) the bridges that have been excluded from the inventory, and (2) the process used to remove individual bridge records.

Excluded categories include:
1. Bridges for which INDOT does not have primary maintenance responsibility (select border bridges and bridges maintained by other state and federal agencies) and privately owned bridges,
2. railroad bridges,
3. bridges located on interstate highways, and
4. bridges with superstructures constructed after 1965.

Step 1: Consolidated state and county bridge inspection data into single database

County database   12,773 bridges
State database   5,676 bridges
Combined total   18,449 bridges

Step 2: Removed excluded bridge categories
Queries to remove excluded bridge categories are based on the following NBI Items:

Exclusion category	NBI Item and description	Total excluded
1.	2 – Highway Agency District Exclude bridges with values of 7, I, K, and P. Primary maintenance agency: 7 is Indiana Toll Road; I is Illinois; K is Kentucky; P is private bridge.	
	Bridges excluded	**346**

Exclusion category	NBI Item and description	Total excluded
2.	22 – Owner Exclude bridges with value of 27. This value indicates bridge is owned by a railroad.	
	Bridges excluded	**94**
3.	5 – Inventory Route Exclude bridges with value starting with 11. This value indicates an interstate bridge. *Subtotal of bridges excluded = 1,499* 7 – Facility carried Exclude bridges that carry an interstate (as indicated by text in this field). Note: a select number of bridges are coded as state highway (value of 13 in NBI Item 5), but carry an interstate highway. These structures were excluded. *Subtotal of bridges excluded = 19*	
	Bridges excluded	**1,518**
4.	27 – Year built Exclude bridges built after 1965.	
	Bridges excluded	**11,182**

Step 3: Reconcile excluded bridge records

Individual bridges may fall into multiple exclusion categories. For this reason, it is necessary to reconcile exclusion categories to arrive at the total number of bridges that remain under study.

Combined total (county and state)	18,449
Exclusion 1	346
Exclusion 2 = no duplicate bridges	94
Exclusion 3 = 1,518 - 241 previously excluded in categories 1 or 2	1,277
Exclusion 4 = 11,182 - 783 bridges previously excluded in categories 1, 2, or 3	10,399
Total remaining bridge population under study	**6,333**

Step 4: Analyzed total remaining bridge population under study.

These bridges were used for the preliminary NBI Analysis in Task 1, and will be used for the Bridge Stratification Methodology in Task 2.

If you have any questions regarding this methodology, please give me a call at 952-941-5619.

Sincerely,

MEAD & HUNT, Inc.

Chad Moffett
Historic Preservation

Cc: Amy Squitieri, Mead & Hunt
     file

Appendix B.   Data and Sources

Appendix B – Data and Sources

Data Sources for tables:

A   National Bridge Inventory (NBI) and bridge inspection data obtained from INDOT in 2006 and 2008. Contact INDOT's Central Office Bridge Inspection and Inventory Section or consult *Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation's Bridges* by the Federal Highway Administration at http://www.fhwa.dot.gov/bridge/mtguide.pdf for more information on these fields.

B   Research, field survey, public involvement collected for use during this project and categories assigned to bridges for use during evaluations.

C   Bridge database records made available from the historic bridge collection of Dr. James L. Cooper.

D   Based on historic bridge database provided by the Department of Historic Preservation and Archaeology (DHPA) in 2006 or a request from the DHPA to include this data field.

E   Based on historical bridge crash data provided by the Indiana Local Technical Assistance Program (LTAP) in September 2008.

Fields listed in the table below are organized in the order they appear in the database.

All Bridges table

Field name (NBI item number are in parenthesis, if applicable)	Format	Size of field	Source of data	Function
Highway Agency District (#2)	Text	50	A	This field indicates the INDOT highway district in which the bridge is located.
County Code (#3)	Text	50	A	This field indicates the code of the county in which the bridge is located. (This field utilizes a lookup table named "Indiana Counties."
Place Code (#4)	Text	50	A	This field indicates the Federal Information Processing Standards (FIPS) code to indicate the city, town, township, village, or other census-designated place.
Inventory Route - Over (#5)	Text	50	A	This field indicates the nine-digit code comprising details about the route carried on the structure.
Features Intersected (#6)	Text	50	A	This field indicates what each bridge crosses.
Facility Carried by Structure (#7)	Text	50	A	This field indicates what facility (road or feature) is carried by each bridge.
NBI Number (#8)	Text	50	A	This is the National Bridge Inventory (NBI) number for each bridge.
County Bridge Number	Text	50	A	This field indicates the county bridge number for those bridges which are county-owned.
State Bridge Number	Text	50	A	This field indicates the state bridge number for those bridges which are owned by the state.
Location (#9)	Text	50	A	This field is a narrative description of the location of the bridge.
UTM_Zone	Number	Integer	A	This field indicates the UTM zone for each bridge.
UTM_Easting-X	Number	Double	A	This field provides the UTM easting value, or X-coordinate, for each bridge.
UTM_Northing-Y	Number	Double	A	This field provides the UTM northing value, or Y-coordinate, for each bridge.
Toll (#20)	Text	50	A	This field indicates the toll status of the bridge.
Maintenance responsibility (#21)	Text	50	A	This field indicates the name or names of the agency or agencies responsible for the maintenance of the bridge.
Owner (#22)	Text	50	A	This field indicates the owner of the bridge.
Functional classification of inventory route (#26)	Text	50	A	The field indicates how the route is functionally classified: rural vs. urban, interstate, other freeways or expressways, other principal arterial, minor arterial, major/minor collector, or local route.

Field name (NBI item number are in parenthesis, if applicable)	Format	Size of field	Source of data	Function
Year built (#27)	Text	50	A	This field indicates the year listed in the NBI the bridge was built. The results of research, evaluations, and bridge database records made available from the historic bridge collection of Dr. James L. Cooper provided more accurate dates of construction in many cases. Updated dates of construction are listed in the "Year built update" field below.
Lanes on and under the structure (#28A)	Text	50	A	This field indicates the number of lanes carried by the bridge.
Type of service (#42)	Text	50	A	This field indicates the type of service both on and under the bridge.
Structure type, main (#43)	Text	50	A	This field indicates the structure type of the main span of the bridge. This data is somewhat different from NBI structure type data as it includes suffix letters to indicate subtypes of bridge types.
Type Main, Number Only	Text	5	B	This field indicates the NBI structure type codes for the main span of the bridge.
Type Main, Letter Only	Text	2	B	This field indicates the INDOT letter codes added to the NBI structure type codes for the main span of the bridge.
Structure type, main (translated code)	Text	50	B	This field indicates the bridge type translated from the NBI code for the main span of the bridge into text.
Type definition	Text	255	B	This field provides a definition of the bridge type based on the main span code.
Structure type, approach spans (#44)	Text	50	A	This field indicates the structure type of the approach spans of the bridge. This data is somewhat different from NBI structure type data as it includes suffix letters to indicate subtypes of bridge types.
Structure type, approach spans (translated code)	Text	50	B	This field indicates the bridge type translated from the NBI code for the approach spans of the bridge into text.
Number of spans in main unit (#45)	Text	50	A	This field indicates the number of main spans.
Number of approach spans (#46)	Number	Long Integer	A	This field indicates the number of approach spans.
Length of maximum span (#48A)	Text	50	A	This field indicates the length of the maximum span, in feet.
Length of maximum span (#48B)	Number	Double	A	This field indicates the length of the maximum span, in feet.
Structure length (#49A)	Text	50	A	This field indicates the length of the structure, in feet.
Structure length (#49B)	Number	Double	A	This field indicates the length of the structure, in feet.
Border bridge (#98)	Text	50	A	This field indicates if a bridge is on the border with another state. Codes used for border states in this field and numbers of bridges excluded from the inventory because they are border bridges are listed in Appendix A.
Border bridge structure number (#99)	Text	50	A	This field indicates the structure number of the bridge identified by the other state or country.
STRAHNET Highway Designation (#100)	Text	50	A	This field indicates whether a bridge is on a STRAHNET route.
Year reconstructed (#106)	Text	50	A	This field indicates the year of the most recent reconstruction of the bridge.
Superstructure widened year	Text	50	A	This field indicates the year of widening that occurred on the bridge. The data received from INDOT instead lists the structural type of widening that occurred on the bridge.
Superstructure widened type	Text	50	A	This field indicates the structural type of widening that occurred on the bridge.
Exclusion	Text	5	B, D	This field indicates why a bridge was not evaluated in the Indiana Historic Bridge Inventory.
NR eligibility determination	Text	60	B, D	This field indicates whether a bridge is eligible for the National Register of Historic Places.
NR eligibility source	Text	75	B, D	This field indicates where National Register eligibility data was located for previously determined eligible and National Register-listed bridges.
Public involvement	Text	50	B	This field indicates if any public involvement has occurred regarding the bridge.
Preservation commitment exists	Text	50	B	This field indicates that some form of preservation commitment exists for the bridge.
Note on public involvement	Memo	-	B	This field indicates the source of the information for the preservation commitment.
IHSS number	Text	50	B, D	Data field added at the request of DHPA and/or information provided from DHPA.
Historic bridge name	Text	200	B, C	This field records the bridge's historic name, if applicable.

Field name (NBI item number are in parenthesis, if applicable)	Format	Size of field	Source of data	Function
Historic function	Text	50	B, D	Data field added at the request of DHPA and/or information provided from DHPA.
Areas of significance	Text	50	B, D	Data field added at the request of DHPA and/or information provided from DHPA.
Historic context	Text	50	B, D	Data field added at the request of DHPA and/or information provided from DHPA.
Additional Description 1	Memo	-	B, C	This field provides additional details regarding the history of the bridge.
Additional Description 2	Memo	-	B, C, D	This field provides additional details regarding the history of the bridge.
Additional Description 3	Memo	-	B, C	This field provides additional details regarding the history of the bridge.
National Register listing date	Text	50	B, D	This field records, for bridges listed in the National Register, the date that the bridge was officially listed. Data field added at the request of DHPA and/or information provided from DHPA.
Historic district name	Text	100	B, D	This field records the name of the historic district in which a bridge is located. Data field added at the request of DHPA and/or information provided from DHPA.
IHBC rating	Text	50	B, D	Data field added at the request of DHPA and/or information provided from DHPA.
Widened type	Text	200	C	This field indicates what bridge type was used to widen the bridge.
Bibliography	Memo	-	C	This field provides a list of sources for the history of the bridge.
Date bridge moved	Text	50	C	This field provides dates for a bridge when it has been moved.
Location of move	Text	50	C	This field provides detail regarding a moved bridge's locations.
Select/non-select status	Text	255	B	This field indicates whether a National Register-eligible bridge is considered select or non-select under the evaluation methodology.
Access	Text	50	B, D	Data field added at the request of DHPA and/or information provided from DHPA.
INDOT number	Text	50	B, D	Data field added at the request of DHPA and/or information provided from DHPA.
Bridge record number	Text	50	B, D	Data field added at the request of DHPA and/or information provided from DHPA.
Rating	Text	50	B, D	Data field added at the request of DHPA and/or information provided from DHPA.
HABS/HAER inventory rating	Text	50	B, D	Data field added at the request of DHPA and/or information provided from DHPA.
Name of bridge engineer, designer or builder 1	Text	100	B, C	This field indicates the name of the bridge engineer, designer, or builder that was located during research and/or field survey.
Affiliation 1	Text	100	B, C	This field indicates how the individual, firm, or agency listed in "Name of bridge engineer, designer or builder 1" relates to the bridge.
Name of bridge engineer, designer or builder 2	Text	100	B, C	This field indicates the name of the bridge engineer, designer, or builder that was located during research and/or field survey.
Affiliation 2	Text	100	B, C	This field indicates how the individual, firm, or agency listed in "Name of bridge engineer, designer or builder 2" relates to the bridge.
Year built update	Text	50	B, C	This field provides a corrected year built date, though research and field work.
Circa	Text	2	B, C	This field indicates whether the corrected year built date (the "Year built update" field) should be considered approximate.
State Register listing date (MM/DD/YYYY)	Text	50	B, D	This field indicates the date that the bridge was listed in the state register of historic places. Data field added at the request of DHPA and/or information provided from DHPA.
Additional information exists	Text	3	B	This field indicates that additional information exists about a bridge.
A1 item reason	Memo	-	B	This field provides the rationale statement for bridges significant under Criterion A for association with a historic transportation system or crossing.
A1 points	Number	Long Integer	B	This field indicates the number of points a bridge receives for eligibility under item reason A1 (see above).
A2 item reason	Memo	-	B	This field provides the rationale statement for bridges significant under Criterion A for association with a historic program or project.
A2 points	Number	Long Integer	B	This field indicates the number of points a bridge receives for eligibility under item reason A2 (see above).
A3 item reason	Memo	-	B	This field provides the rationale statement for bridges significant under Criterion A for state or local history.
A3 points	Number	Long Integer	B	This field indicates the number of points a bridge receives for eligibility under item reason A3 (see above).

Field name (NBI item number are in parenthesis, if applicable)	Format	Size of field	Source of data	Function
C1-1 item reason	Memo	-	B	This field provides the rationale statement for bridges significant under Criterion C for being designed and built prior to the period of common use for the bridge type.
C1-1 points	Number	Long Integer	B	This field indicates the number of points a bridge receives for eligibility under item reason C1-1 (see above).
C1-2 item reason	Memo	-	B	This field provides the rationale statement for bridges significant under Criterion C due as an uncommon type or the only remaining example of a bridge type.
C1-2 points	Number	Long Integer	B	This field indicates the number of points a bridge receives for eligibility under item reason C1-2 (see above).
C1-3 item reason	Memo	-	B	This field provides the rationale statement for bridges significant under Criterion C for rarity within a particular region in the state.
C1-3 points	Number	Long Integer	B	This field indicates the number of points a bridge receives for eligibility under item reason C1-3 (see above).
C2-1 item reason	Memo	-	B	This field provides the rationale statement for bridges significant under Criterion C as a distinctive characteristic of the bridge type, specifically exceptional length.
C2-1 points	Number	Long Integer	B	This field indicates the number of points a bridge receives for eligibility under item reason C2-1 (see above).
C2-2 item reason	Memo	-	B	This field provides the rationale statement for bridges significant under Criterion C as a distinctive characteristic of the bridge type, specifically having a special feature or features.
C2-2 points	Number	Long Integer	B	This field indicates the number of points a bridge receives for eligibility under item reason C2-2 (see above).
C2-3 item reason	Memo	-	B	This field provides the rationale statement for bridges significant under Criterion C as a distinctive characteristic of the bridge type, specifically an innovation of the type.
C2-3 points	Number	Long Integer	B	This field indicates the number of points a bridge receives for eligibility under item reason C2-3 (see above).
C3 item reason	Memo	-	B	This field provides the rationale statement for bridges significant under Criterion C as the work of an identified master.
C3 points	Number	Long Integer	B	This field indicates the number of points a bridge receives for eligibility under item reason C3 (see above).
C4 item reason	Memo	-	B	This field provides the rationale statement for bridges significant under Criterion C for high artistic value.
C4 points	Number	Long Integer	B	This field indicates the number of points a bridge receives for eligibility under item reason C4 (see above).
C2-4 item reason	Memo	-	B	This field provides the rationale statement for bridges significant under Criterion C as a distinctive characteristic of the bridge type, specifically being a rare example.
C2-4 points	Number	Long Integer	B	This field indicates the number of points a bridge receives for eligibility under item reason C2-4 (see above).
Integrity reason A1	Text	250	B	This field provides integrity problems related to Criterion A under the category of materials, workmanship, and design.
Integrity points A1	Number	Long Integer	B	This field indicates the number of points a bridge receives via integrity loss under integrity reason A1.
Integrity reason A2	Text	250	B	This field provides integrity problems related to Criterion A under the category of location.
Integrity points A2	Number	Long Integer	B	This field indicates the number of points a bridge receives via integrity loss under integrity reason A2.
Integrity reason A3	Text	250	B	This field provides integrity problems related to Criterion A under the category of setting, feeling, and association.
Integrity points A3	Number	Long Integer	B	This field indicates the number of points a bridge receives via integrity loss under integrity reason A3.
Integrity reason C1	Text	250	B	This field details integrity problems related to Criterion C under the category of materials, workmanship, and design.

Field name (NBI item number are in parenthesis, if applicable)	Format	Size of field	Source of data	Function
Integrity points C1	Number	Long Integer	B	This field indicates the number of points a bridge receives via integrity loss under integrity reason C1.
Integrity reason C2	Text	250	B	This field provides integrity problems related to Criterion C under the category of location.
Integrity points C2	Number	Long Integer	B	This field indicates the number of points a bridge receives via integrity loss under integrity reason C2.
Integrity reason C3	Text	250	B	This field provides integrity problems related to Criterion C under the category of setting, feeling, and association.
Integrity points C3	Number	Long Integer	B	This field indicates the number of points a bridge receives via integrity loss under integrity reason C3.
Notes on Select/Non-select status	Text	50	B	This field indicates any details about the bridge which would make it select or non-select via the eligibility methodology.
Masonry detail	Text	200	C	This field details the type of masonry used on a bridge.
Skew (#34)	Text	3	A	This field indicates the degree of the bridge's skew.
Status	Number	Long Integer	B	This field indicates the status of each bridge, and uses the "Status" table as a lookup table for specific values.
Design/Arrangement Main Span	Number	Long Integer	B	This field indicates particular details about the design and/or arrangement of the main span. This field uses table "Design/Arrangement" as a lookup table.
Design/Arrangement Approach Span	Number	Long Integer	B	This field indicates particular details about the design and/or arrangement of the approach spans. This field uses table *Design/Arrangement_Approach* as a look up table.
SurveyDate	Text	11	B	This field indicates the date that a bridge was field surveyed, or a "NA" value for bridges that were not surveyed in the Indiana Historic Bridge Inventory.
Bridge plan available	Text	3	B	This field indicates that a bridge plan is located at the INDOT central office.
DHPA bridge database	Text	3	B	This field indicates that additional information exists in the DHPA bridge database for a bridge.
Eligibility Recommendation A1	Memo	-	B	This field indicates whether a bridge is eligible for the National Register of Historic Places under Criterion A for being a part of a historic transportation system or crossing.
Eligibility Recommendation A2	Memo	-	B	This field indicates whether a bridge is eligible for the National Register of Historic Places under Criterion A for being part of a historic program or project.
Eligibility Recommendation A3	Memo	-	B	This field indicates whether a bridge is eligible for the National Register of Historic Places under Criterion A for a particular aspect of state or local history.
Eligibility Recommendation A4-7	Memo	-	B	This field indicates that a bridge is not eligible for the National Register under Criterion A.
Eligibility Recommendation C1	Memo	-	B	This field indicates that a bridge is eligible for the National Register of Historic Places under Criterion C due the bridge representing an early or distinctive phase in bridge construction.
Eligibility Recommendation C2	Memo	-	B	This field indicates that a bridge is eligible for the National Register of Historic Places under Criterion C due to the bridge representing a variation, evolution, or transition that is conveyed through important features or innovations related to bridge construction, design, or engineering.
Eligibility Recommendation C3	Memo	-	B	This field indicates that a bridge is eligible for the National Register of Historic Places under Criterion C due to the bridge representing a significant phase or feature of the work of a master.
Eligibility Recommendation C4	Memo	-	B	This field indicates that a bridge is eligible for the National Register of Historic Places under Criterion C due to the bridge's possession of high artistic value as illustrated through its overall design, outstanding architectural treatment, or notable use of ornamentation
Eligibility Recommendation C5-9	Memo	-	B	This field indicates that a bridge is not eligible for the National Register under Criterion C.
County research bridge	Text	3	B	This field indicates whether a bridge was researched at the county level by Mead & Hunt.
Criterion A Total	Number	Long Integer	B	This field indicates the total number of points a bridge has received for under Criterion A.
Criterion C Total	Number	Long Integer	B	This field indicates the total number of points a bridge has received for under Criterion C.

Field name (NBI item number are in parenthesis, if applicable)	Format	Size of field	Source of data	Function
Eligibility Score	Number	Double	B	This field indicates the total number of eligibility points (by adding the Criteria A and C totals) for a bridge.
NBI19_Bypass, Detour Length	Text	50	A	This field indicates the length of the detour, in miles, to avoid a bridge.
NBI64_Structural Capacity (Tons)	Text	50	A	This field indicates the operating rating, or absolute maximum permissible load level, of the bridge, in tons.
NBI67_Structural Evaluation	Text	50	A	This field indicates the appraisal rating of the structural evaluation of the bridge, on a scale of 0 (bridge closed), N (not applicable), and 2-9, with 9 being the highest score.
NBI59_Superstructure Rating	Text	50	A	This field indicates the superstructure condition rating of the bridge on a scale of 0-9, with N indicating "not applicable."
NBI60_Substructure Rating	Text	50	A	This field indicates the substructure condition rating of the bridge on a scale of 0-9, with N indicating "not applicable."
NBI32_Approach Roadway Width	Number	Double	A	This field indicates the width of the approach roadway.
NBI51_Roadway Width	Number	Double	A	This field indicates the width of the roadway on the structure itself.
NBI_Roadway Width Compared to ADT (NBI Factor H)	Number	Double	B	This field indicates that NBI factor H, which compares the roadway width to the Average Daily Traffic (ADT), based on the number of lanes a bridge carries.
NBI68_Deck Geometry Evaluation	Text	50	A	This field indicates the appraisal rating of the deck geometry evaluation of the bridge, on a scale of 0 (bridge closed), N (not applicable), and 2-9, with 9 being the highest score.
NBI71_Waterway Adequacy	Text	50	A	This field indicates the appraisal rating of the waterway adequacy evaluation of the bridge, on a scale of 0 (bridge closed), N (not applicable), and 2-9, with 9 being the highest score.
NBI72_Approach Roadway Alignment Evaluation	Text	50	A	This field indicates the appraisal rating of the approach roadway alignment evaluation of the bridge, on a scale of 0 (bridge closed), N (not applicable), and 2-9, with 9 being the highest score.
Sufficiency Rating	Text	50	A	The sufficiency rating value is based on the structural adequacy and the safety of the bridge.
NBI29_ADT	Number	Long Integer	A	This field indicates the ADT on the bridge.
0 Lanes On for Service	Text	5	B	This field identifies whether a bridge does not carry traffic in order to properly calculate the condition score.
NBI114_FutureADT	Number	Long Integer	A	This field indicates the Future ADT on the bridge.
NBI41_StructureOpenPostedClosedtoTraffic	Text	50	A	This field indicates whether a bridge is open, open with restrictions, or closed to traffic.
NBI30_ADT Year	Number	Integer	A	This field indicates the year that the ADT was calculated.
NBI115_FutureADT Year	Number	Integer	A	This field indicates the year that the future ADT of the bridge must be calculated.
NBI66_Inventory Rating	Number	Long Integer	A	This field indicates the inventory (capacity) rating, the load level which can safely utilize the bridge for an indefinite period of time.
NBI69_Underclearance	Text	50	A	This field indicates the appraisal rating of the under clearance evaluation of the bridge, on a scale of 0 (bridge closed), N (not applicable), and 2-9, with 9 being the highest score.
Preservation Commitment Sources	Text	200	B	This field identifies the source or basis on which a preservation commitment exists. Data in this field is based on information provided by INDOT, through public involvement activities, and field survey observations.
CS Item 64A Assessment	Number	Double	A	This field identifies a value based on the structural capacity of the bridge, and is used for calculating the condition score.
CS Item 67 Assessment	Number	Double	A	This field identifies a value based on the appraisal rating of the structural evaluation of the bridge, and is used for calculating the condition score.
CS Item 59 Assessment	Number	Double	A	This field identifies a value based on the condition rating of the superstructure of the bridge, and is used for calculating the condition score.
CS Item 60 Assessment	Number	Long Integer	A	This field identifies a value based on the condition rating of the substructure of the bridge, and is used for calculating the condition score.

Field name (NBI item number are in parenthesis, if applicable)	Format	Size of field	Source of data	Function
CS Item 51/144 Assessment	Number	Double	B (Based on NBI data)	This field identifies a value based on the comparison of the bridge roadway width with the future ADT of the bridge, and is used for calculating the condition score.
CS Item 51/32 Assessment	Number	Double	B (Based on NBI data)	This field identifies a value based on the comparison of the bridge roadway width with the approach roadway with of the bridge, and is used for calculating the condition score.
CS Item 69 Assessment	Number	Double	A	This field identifies a value based on the appraisal rating of the under clearances of the bridge, and is used for calculating the condition score.
CS Item 71 Assessment	Number	Double	A	This field identifies a value based on the appraisal rating of the waterway adequacy of the bridge, and is used for calculating the condition score.
CS Item 72 Assessment	Number	Double	A	This field identifies a value based on the appraisal rating of the approach roadway alignment evaluation of the bridge, and is used for calculating the condition score.
Condition Score	Number	Double	B	This field is the total of the values that make up the condition score.
LowVolume_SC1	Text	5	B	This field is used to evaluate bridges that have a future ADT of less than 100 for structural capacity, based on a specific detour length for structural criteria and is used to determine if the bridge meets the Low Volume Standards.
LowVolume_SC2	Text	5	B	This field is used to evaluate bridges that have a future ADT between 100 and 401 for structural capacity, based on a specific detour length for structural criteria and is used to determine if the bridge meets the Low Volume Standards.
LowVolume_SC3	Text	50	B	This field is used to evaluate bridges that have a future ADT of less than 100 for structural capacity, based on a specific detour length for structural criteria and is used to determine if the bridge meets the Low Volume Standards.
LowVolume_SC4	Text	3	B	This field is used to evaluate bridges that have a future ADT between 100 and 401 for structural capacity, based on a specific detour length for structural criteria and is used to determine if the bridge meets the Low Volume Standards.
LowVolume_SC5	Text	3	B	This field is used to evaluate bridges that have a future ADT of less than 100 for structural capacity, based on a specific detour length for structural criteria and is used to determine if the bridge meets the Low Volume Standards.
LowVolume_SC6	Text	3	B	This field is used to evaluate bridges that have a future ADT between 100 and 401 for structural capacity, based on a specific detour length for structural criteria and is used to determine if the bridge meets the Low Volume Standards.
LowVolume_FC1	Text	50	B	This field is used to evaluate bridges that have a future ADT between 100 and 401 for specific bridge width and the number of lanes carried by the structure for functional criteria and is used for determine if the bridge meets the Low Volume Standards.
LowVolume_FC2	Text	50	B	This field is used to evaluate bridges that have a future ADT between 100 and 401 for specific bridge width and the number of lanes carried by the structure for functional criteria and is used to determine if the bridge meets the Low Volume Standards.
LowVolume_FC3	Text	50	B	This field is used to evaluate bridges that have a future ADT of less than 100 for specific bridge width and the number of lanes carried by the structure for functional criteria and is used to determine if the bridge meets the Low Volume Standards.
LowVolume_FC4	Text	50	B	This field is used to evaluate bridges that have a future ADT between 100 and 401 for bridge width and the number of lanes carried by the structure for functional criteria and is used to determine if the bridge meets the Low Volume Standards.
Mean	Number	Double	B	This field indicates the mean value (average) of the eligibility score for the bridge type and is used to assist with assigning bridges to Boxes 1-9.
Standard Deviation	Number	Double	B	This field indicates the standard deviation of the eligibility score for the bridge type and is used to assist with assigning bridges to Boxes 1-9.
Mean+SD	Number	Double	B	This field indicates the mean of the eligibility score with the addition of the standard deviation for the bridge type and is used to assist with assigning bridges to Boxes 1-9.
Mean-SD	Number	Double	B	This field indicates the mean of the eligibility score with the subtraction of the standard deviation for the bridge type and is used to assist with assigning bridges to Boxes 1-9.
ConnectType	Number	Long Integer	B	This field indicates the connection type for the bridge identified through research and/or field survey. It uses table "Connection type" as its lookup table.

Field name (NBI item number are in parenthesis, if applicable)	Format	Size of field	Source of data	Function
Data Deficiencies	Yes/No	Yes/No	B	This field indicates whether the bridge had engineering data deficiencies for items to calculate the Condition Score. These bridges were reviewed to assign the appropriate Condition Score.
Bridge Type	Text	100	B	This field indicates the bridge type used to group the bridges for select/non-select evaluation.
Selection Matrix Box	Text	2	B	This field indicates the selection matrix box using the current evaluation methodology.
Microsoft Access Auto-Generated Data Fields (These fields may be hidden in versions of Microsoft Access prior to 2000. These fields are auto-generated and should not be deleted for the file to work properly.)				
Gen_A1 item reason	Number	Long Integer	N/A	N/A
Gen_A2 item reason	Number	Long Integer	N/A	N/A
Gen_A3 item reason	Number	Long Integer	N/A	N/A
Gen_Additional Description 1	Number	Long Integer	N/A	N/A
Gen_Additional Description 2	Number	Long Integer	N/A	N/A
Gen_Additional Description 3	Number	Long Integer	N/A	N/A
Gen_bibliography	Number	Long Integer	N/A	N/A
Gen_C1-1 item reason	Number	Long Integer	N/A	N/A
Gen_C1-2 item reason	Number	Long Integer	N/A	N/A
Gen_C1-3 item reason	Number	Long Integer	N/A	N/A
Gen_C2-1 item reason	Number	Long Integer	N/A	N/A
Gen_C2-2 item reason	Number	Long Integer	N/A	N/A
Gen_C2-3 item reason	Number	Long Integer	N/A	N/A
Gen_C2-4 item reason	Number	Long Integer	N/A	N/A
Gen_C3 item reason	Number	Long Integer	N/A	N/A
Gen_C4 item reason	Number	Long Integer	N/A	N/A

Field name (NBI item number are in parenthesis, if applicable)	Format	Size of field	Source of data	Function
Gen_Comments on structure type	Number	Long Integer	N/A	N/A
Gen_Eligibility Recommendation A1	Number	Long Integer	N/A	N/A
Gen_Eligibility Recommendation A2	Number	Long Integer	N/A	N/A
Gen_Eligibility Recommendation A3	Number	Long Integer	N/A	N/A
Gen_Eligibility Recommendation A4-7	Number	Long Integer	N/A	N/A
Gen_Eligibility Recommendation C1	Number	Long Integer	N/A	N/A
Gen_Eligibility Recommendation C2	Number	Long Integer	N/A	N/A
Gen_Eligibility Recommendation C3	Number	Long Integer	N/A	N/A
Gen_Eligibility Recommendation C4	Number	Long Integer	N/A	N/A
Gen_Eligibility Recommendation C5-9	Number	Long Integer	N/A	N/A
Gen_Note on public involvement	Number	Long Integer	N/A	N/A
Gen_Notes on Alterations	Number	Long Integer	N/A	N/A
s_Generation	Number	Long Integer	N/A	N/A
s_GUID Replication ID	Auto-Number	Replication ID	N/A	N/A
s_Lineage	OLE Object	N/A	N/A	N/A

Select Bridges – Individual Review Process Data table

Field Name	Format	Size of field	Source of Data	Function
NBI Number (#8)	Text	50	A	This field indicates NBI number of the bridge, for identification purposes.
RP_CSpoints ("RP" in data field is abbreviated for individual review process data.)	Number	Double	B	This field records the points a bridge receives during individual review based on its condition score.
RP_ESpoints	Number	Double	B	This field records the points a bridge receives during individual review based on its eligibility score.
RP_Check1	Text	3	B	This field is used in the individual review to determine if a bridge's superstructure and substructure can be restored.
RP_Check1pts	Number	Long Integer	B	This field records the points a bridge receives under RP_Check1.
RP_Check2	Text	3	B	This field is used in the individual review to determine if a bridge meets minimum load capacity standards for its functional class of roadway.
RP_Check2pts	Number	Long Integer	B	This field records the points a bridge receives under RP_Check2.
RP_Check3	Text	3	B	This field is used in the individual review to determine if a bridge is functionally obsolete.
RP_Check3pts	Number	Long Integer	B	This field records the points a bridge receives under RP_Check3.
RP_Check4	Text	3	B	This field is used in the individual review to determine if a bridge's major deficiencies are tied to its character-defining features.
RP_Check4pts	Number	Long Integer	B	This field records the points a bridge receives under RP_Check4.
RP_Check4notes	Memo	-	B	This field contains notes explaining the bridge's deficiencies and character-defining features.
RP_Check5	Text	3	B	This field is used to provide a placeholder for additional data regarding individual review.
RP_Check5pts	Number	Long Integer	B	This field records the points a bridge receives under RP_Check5, a combination of the salted roadway points, the sag on vertical curve points, the open deck joints points, the high accident rate points, and the long detour points.
RP_saltedroadway	Text	3	B	This field records whether the road a bridge is carrying is salted in the winter.
RP_saltpts	Number	Integer	B	This field records the points a bridge receives under RP_saltedroadway.
RP_sagverticalcurve	Text	3	B	This field records whether the road a bridge is carrying has sag on the vertical curve.
RP_sagpts	Number	Integer	B	This field records the points a bridge receives under RP_sagverticalcurve.
RP_opendeckjoints	Text	3	B	This field records whether a bridge has open deck joints.
RP_deckpts	Number	Integer	B	This field records the points a bridge receives under RP_opendeckjoints.
RP_longdetour	Yes/No	1	B	This field records whether a bridge has a long detour (5 miles and over).
RP_detourpts	Number	Integer	B	This field records the points a bridge receives under RP_longdetour.
RP_Totalpts	Number	Long Integer	B	This field acts as a placeholder for the total points value a bridge receives during individual review.
RP_Check1A	Text	3	B	This field is used for non-vehicular bridges in individual review to determine if a bridge's superstructure and substructure can be restored.
RP_Check2A	Text	3	B	This field is used for non-vehicular bridges in individual review to determine if a bridge offers minimum capacity with a width of at least 8 feet.
RP_Check4A	Text	3	B	This field is used for non-vehicular bridges in individual review to determine if a bridge's major deficiencies are tied to its character-defining features.
RP_Check5A	Text	3	B	This field is used for non-vehicular bridges in individual review to determine if a bridge is a reuse candidate through relocation or bypass options.
Future_LV_1LFC	Text	3	B	This field records if a bridge that is currently a two-lane structure can be made to meet functional capacity if converted to a one-lane bridge in the future.
RPCheck4A Notes	Memo	-	B	This field is used for non-vehicular bridges in individual review to record the deficiencies in the character-defining features, as well as records details regarding any exceptions to the Low Volume standards.

Field Name	Format	Size of field	Source of Data	Function
LV_StructuralCheck	Text	3	B	This field records if a bridge passes the Low Volume (Future ADT less than 401) structural checks.
LV_FunctionalCheck	Text	3	B	This field records if a bridge passes the Low Volume (Future ADT less than 401) functional checks.
ExceptLVSApplies	Text	3	B	This field records if an exception to the Low Volume standards applies to a bridge.

Select Bridges – Crash Data table

Field Name	Format	Size of field	Source of Data	Function
NBI Number (#8)	Text	255	A	This field indicates the NBI number of the bridge, for identification purposes.
CrashData-Yes/No	Text	3	E	This field indicates if crash data was provided to Mead & Hunt on this bridge by LTAP.
RP_crashpts	Number	Integer	B	This field indicates the value of the evaluation of the crash data, to be used for the individual review score calculations.
On Bridge –Property	Number	Double	E	This field indicates the number of accidents that occurred on the bridge with damage to property.
On Bridge –Injury	Number	Double	E	This field indicates the number of accidents that occurred on the bridge with personal injury.
On Bridge –Fatality	Number	Double	E	This field indicates the number of accidents that occurred on the bridge with a fatality.
Near Bridge –Property	Number	Double	E	This field indicates the number of accidents that occurred near the bridge with damage to property.
Near Bridge-Injury	Number	Double	E	This field indicates the number of accidents that occurred near the bridge with personal injury.
Near Bridge –Fatality	Number	Double	E	This field indicates the number of accidents that occurred near the bridge with a fatality.
S_GUID	Auto-Number	Replication ID	N/A	N/A - Microsoft Access Auto-Generated Data Field (These fields may be hidden in versions of Microsoft Access previous to 2000. These fields are auto-generated and should not be deleted for the file to work properly.)

Appendix C.   Viewing Results

Appendix C – Viewing Results

Form Name	Function	Tables, Queries, or Forms on Which the Form Is Based
Historic Bridge Inventory Review Form (Default form for Viewing Results)	This is the default form that automatically opens when the database opens, and shows six tabs of data regarding each bridge. The six tabs include: • Structural Information tab: provides exclusion reason (if applicable), date of construction, structural characteristics (such as type, subtype, skew, length of maximum main span, etc.), ownership, and type of service. • Historical Information tab: provides public involvement response(s), historic bridge name, name(s) of bridge engineer/designer/builder, and additional information. • National Register Evaluation: shows the application of the evaluation criteria and the eligibility determination for each bridge not excluded from the inventory. • Select and Non-Select Information tab: provides the Select status, Select consideration notes, Selection Matrix Box assignment, and Condition Score for historic bridges. • Individual Review Form tab: shows the results of the individual review process outlined in Volume 3. • Assessment of Pedestrian Load Capacity tab: shows the results of this test as defined in Volume 3, Appendix D.	Query: qry_individualreview_nonvehicular_forInventoryReviewForm Query: qry_individualreviewprocess_forInventoryReviewForm Query: qry_publicreport Form: Individual Review Process for Inventory Review Form Form: Load Test Pedestrian Bridges for Inventory Review Form
Individual Review Process for Inventory Review Form	This form is used to complete individual review for bridges that are in Selection Matrix Box 3 as defined in Volume 3. This form is a sub form of the *Historic Bridge Inventory Review Form*.	Table: Select considerations Table: Select/Non-select Table: Yes/No table Query: qry_individualreviewprocess_forInventoryReviewForm
Individual Review-Non-Vehicular Use for Inventory Review Form	This form is used to complete individual review for bridges that are in Selection Matrix Box 3 as defined in Volume 3. This form is a sub form of the *Historic Bridge Inventory Review Form*.	Table: Select considerations Table: Select/Non-select Table: Yes/No table Query: qry_individualreview_nonvehicular_forInventoryReviewForm
Load Test Pedestrian Bridges for Inventory Review Form	This form is used to complete individual review for bridges to determine if they are adequate for pedestrian use. This form is a sub form of the *Historic Bridge Inventory Review Form*.	Query: qry_individualreview_nonvehicular_forInventoryReviewForm

Appendix D.   Reports

Appendix D – Reports

Report Name	Function	Tables or Queries on Which the Report Is Based
Condition Score Calculation	This report provides the condition score data for each National Register-eligible bridge in the Indiana Historic Bridge Inventory.	Query: qry-evaluationmatrixreports
Historic Bridges by District	This report lists bridge data and eligibility determinations for each of the National Register-eligible, listed, and previously determined eligible bridges, sorted by INDOT District.	Query: Eval_Eligible bridges by district
List of Select and Non-Select Bridges by County Report	This report lists bridge data and the Select/Non-Select status for state-owned bridges, sorted by county.	Table: All Bridges Query: qry_selectreport_statebridges
List of Select and Non-Select State Bridges	This report lists state-owned bridges by district and contains bridge location and type data, and its Select/Non-Select status.	Table: All Bridges Query: qry_selectreport_statebridges
Low Volume Road Standards Test	This report provides the low volume standards tests for those historic bridges that have a future ADT of less than 401.	Query: qry-evaluationmatrixreports
Volume 2 Section 1 - List of Historic Bridges	This report provides data found in Volume 2, Section 1	Query: Eval_Eligibility query (for report)
Volume 2 Section 2 - List of Non-Historic Bridges (ALL)	This report provides data found in Volume 2, Section 2	Query: Eval_Not Eligible query (for report)
Volume 2 Section 2 - List of Non-Historic Bridges (A-F)	This report provides data found in Volume 2, Section 2, for those counties beginning with the letter A through the letter F.	Query: Eval_Not Eligible query (A-F for report)
Volume 2 Section 2 - List of Non-Historic Bridges (G-L)	This report provides data found in Volume 2, Section 2 for those counties beginning with the letter G through the letter L.	Query: Eval_Not Eligible query (G-L for report)
Volume 2 Section 2 - List of Non-Historic Bridges (M-P)	This report provides data found in Volume 2, Section 2 for those counties beginning with the letter M through the letter P.	Query: Eval_Not Eligible query (M-P for report)
Volume 2 Section 2 - List of Non-Historic Bridges (R-W)	This report provides data found in Volume 2, Section 2 for those counties beginning with the letter R through the letter W.	Query: Eval_Not Eligible query (R-W for report)
Volume 4 Section 2 - List By Bridge Type	This report provides data found in Volume 4, Section 2 on Select/Non-Select bridges organized by bridge type and sorted by county.	Query: qry_selectreport
Volume 4 Section 3 - List by County	This report provides data found in Volume 4, Section 3 on Select/Non-Select bridges, sorted by county.	Query: qry_selectreport
Volume 4 Section 4 - List of NV Use or Rep Determined	This report provides data found in Volume 4, Section 4 on bridges in Selection Matrix Box NV (non-vehicular) or NA (no determination required); these bridges have been programmatically or agency determined, or is scheduled for replacement. This report is organized by county and then by state bridge number and county bridge number	Query: qry_selectreport-nonvehicular
Volume 4 Section 5 - Select Pending Exception to Low Volume Test	This report provides data found in Volume 4, Section 5 for Select bridges pending exemption to the Low Volume Standards.	Query: ExceptionLVS
Volume 4 Section 6 - List of State Bridges by District	This report provides data found in Volume 4, Section 6 for Select/Non-Select bridges owned by the state.	Query: qry_selectreport_statebridges