

# INDIANA DEPARTMENT OF TRANSPORTATION

## BRIDGE INSPECTION PROGRAM

★  
★ **CODING GUIDE** ★  
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★  
★ ***BRAGI*** ★  
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***Bridge Reporting for Appraisal & Greater Inventory***

**Volume I: NBIS / FHWA Items**

**XXX 2011**

## INDOT Coding Guide: Bridge Reporting for Appraisal & Greater Inventory

Item Number:

Item Name:

Main Tab/Sub Tab:

Misc. Fields:

NBIS:  Yes

Toll Road:  Yes

Input Format:  Drop-Down  Manual

INDOT:  Yes

County/Local:  Yes

XXXX.XXXX NBIS Underrec.:  Yes

Description: **TUTORIAL**

Instructions: In the background (gray-scale) is a typical Volume I BRAGI page. See the next page (ii) for a template: the typical Volume I BRAGI format illustrated with labels ("a", "b", "c", etc.) for all of the different data positions. The pages following that template (iii to xix) provide instructions and explanations for each of the different area labels ("a", "b", "c", etc.).

Notes:

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	<b>a</b>	<b>Item Name:</b>	<b>b</b>
<b>Main Tab/Sub Tab:</b>	<b>c</b>	<b>Misc. Fields:</b>	<b>d</b>
<b>Main Tab/Sub Tab:</b>	<b>c</b>	<b>Misc. Fields:</b>	<b>d</b>
<b>Main Tab/Sub Tab:</b>	<b>c</b>	<b>Misc. Fields:</b>	<b>d</b>
<b>Main Tab/Sub Tab:</b>	<b>c</b>	<b>Misc. Fields:</b>	<b>d</b>
<b>NBIS:</b> <input checked="" type="checkbox"/> <b>Yes</b> <b>e</b>	<b>Toll Road:</b> <input checked="" type="checkbox"/> <b>Yes</b> <b>g</b>	<b>Input Format:</b> <input checked="" type="checkbox"/> <b>Drop-Down</b> <b>i</b>	<input checked="" type="checkbox"/> <b>Manual</b> <b>j</b>
<b>INDOT:</b> <input checked="" type="checkbox"/> <b>Yes</b> <b>f</b>	<b>County/Local:</b> <input checked="" type="checkbox"/> <b>Yes</b> <b>h</b>	<b>XXXX.XX</b> <b>k</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> <b>Yes</b> <b>n</b>

**Description:**    **o**

**Instructions:**    **p**

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**Notes:**    **q**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** a      **Item Name:**

<b>Main Tab/Sub Tab:</b>	<b>Misc. Fields:</b>

NBIS: <input type="checkbox"/> Yes	Toll Road: <input type="checkbox"/> Yes	Input Format: <input type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
INDOT: <input type="checkbox"/> Yes	County/Local: <input type="checkbox"/> Yes	XXXX.XXXX	NBIS Underrec.: <input type="checkbox"/> Yes

**Description:**      This is the Item Number. It may be a number or a combination of numbers and letters.

**Instructions:**      For composite items (several interrelated items with the same number but different letter suffixes) there will often be a "cover page" listing the number by itself without any letter suffix. The purpose of the "cover page" is to introduce the reader to that particular item series (number only); specific instructions on the individual component items of that series (number + letter) are given on additional pages and labeled accordingly.

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**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:**

**Item Name:**

b

Main Tab/Sub Tab:

Misc. Fields:

NBIS:  Yes

Toll Road:  Yes

Input Format:  Drop-Down

Manual

INDOT:  Yes

County/Local:  Yes

XXXX.XXXX

NBIS Underrec.:  Yes

**Description:**

This is the Item Name. Typically, it will correspond to the labeling of the item in the database and may not exactly match that found in the FHWA coding guide.

**Instructions:**

Where the item appears in different locations in the database with slightly different nomenclatures, the most prevalent may be used here, or possibly a variation may be listed here (even if it doesn't exactly match the database nomenclature) for the sake of clarity in presenting the item.

Because of space limitations, abbreviations will often be used to allow the Item Name to fit in location "b" as shown. These abbreviations do not follow any set pattern, but vary as required by considerations for clarity and available space. The full item name will be given in the Item Description in location "o"; the reader should consult this description if any of the abbreviations in "b" are not immediately obvious.

**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>		<b>Item Name:</b>	
Main Tab/Sub Tab:	c	Misc. Fields:	
Main Tab/Sub Tab:	c	Misc. Fields:	
Main Tab/Sub Tab:	c	Misc. Fields:	
Main Tab/Sub Tab:	c	Misc. Fields:	
NBIS:	<input type="checkbox"/> Yes	Toll Road:	<input type="checkbox"/> Yes
INDOT:	<input type="checkbox"/> Yes	County/Local:	<input type="checkbox"/> Yes
		Input Format:	<input type="checkbox"/> Drop-Down <input type="checkbox"/> Manual
		XXXX.XXXX	NBIS Underrec.: <input type="checkbox"/> Yes

**Description:** This is the Item Location in the database. It is described by specifying the Main Tab (from the top row of tabs) followed by a slash and then the Sub Tab (from the bottom row of tabs associated with the chosen Main Tab). The item can be found on the database Main Tab/Sub Tab page as listed here.

**Instructions:** Because an item can appear in numerous locations in the database, multiple Main Tab/Sub Tab pages can be specified here (up to four). For cases where more than four locations occur, see the following page for an additional formatting option.

Occasionally, a Main Tab/Sub Tab will be repeated (e.g., of four locations listed, three are unique and one is a repeat). Typically, this is done in order to present additional information about Miscellaneous Fields associated with that Main Tab/Sub Tab location. If there are multiple Miscellaneous Fields (e.g., check boxes, comment boxes, date boxes) pertaining to that Main Tab/Sub Tab location, they might not all fit in a single Misc. Fields line (position "d"). Therefore, the Miscellaneous Fields will be broken up into multiple lines and the Main Tab/Sub Tab location will be repeated so that it is clear which Miscellaneous Field is associated with which location. Generally, this does not imply that the item itself has multiple appearances on a given Main Tab/Sub Tab page. Refer to instructions for Misc. Fields ("d") for more information.

Lines that are not used will be left empty, as indicated by a hyphen. For example, if the item only occurs on two Main Tab/Sub Tab pages, then the bottom two Main Tab/Sub Tab lines will be empty.

Because of space limitations, abbreviations will often be used to allow the Main Tab/Sub Tab name to fit in location "c" as shown. These abbreviations do not follow any set pattern, but vary as required by considerations for clarity and available space. The reader should consult the database if any of the abbreviations in "c" are not immediately obvious. It should be noted that abbreviations are also sometimes used in the database for the tab labels, and these may or may not match the abbreviations used in "c". Also, the convention is adopted that under the "SI&A" Main Tab, the Sub Tab labeled "NBI Summary" is instead referred to as "All"; thus, its Main Tab/Sub Tab designation is "SI&A/All".

**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:**

**Item Name:**

Main Tab/Sub Tab:                   c

Main/Sub Tab:                                   c

Main Tab/Sub Tab:                   c

Main/Sub Tab:                                   c

Main Tab/Sub Tab:                   c

Misc. Fields:

Main Tab/Sub Tab:                   c

Misc. Fields:

NBIS:     Yes    Toll Road:    Yes

Input Format:    Drop-Down    Manual

INDOT:    Yes    County/Local:    Yes

XXXX.XXXX    NBIS Underrec.:    Yes

**Description:**    This is the Item Location in the database. It is described by specifying the Main Tab (from the top row of tabs) followed by a slash and then the Sub Tab (from the bottom row of tabs associated with the chosen Main Tab). The item can be found on the database Main Tab/Sub Tab page as listed here.

**Instructions:**    Because an item can appear in numerous locations in the database, multiple Main Tab/Sub Tab pages can be specified here (up to eight). The format of this sample BRAGI page would allow for six Main Tab/Sub Tab locations; Miscellaneous Fields associated with two Main Tab/Sub Tab locations could also be specified. The typical BRAGI format is shown on the previous page, with four Main Tab/Sub Tab locations and an associated Misc. Fields (position "d") for each. However, the number of Main Tab/Sub Tab pages can vary by eliminating Misc. Fields lines in order to accommodate a maximum of eight Main Tab/Sub Tab locations.

Lines that are not used will be left empty, as indicated by a hyphen. For example, with a BRAGI page in this format, if the item occurs on five Main Tab/Sub Tab pages, then the second row, second column Main/Sub Tab line will be empty.

Because of space limitations, abbreviations will often be used to allow the Main Tab/Sub Tab name to fit in location "c" as shown. These abbreviations do not follow any set pattern, but vary as required by considerations for clarity and available space. The reader should consult the database if any of the abbreviations in "c" are not immediately obvious. It should be noted that abbreviations are also sometimes used in the database for the tab labels, and these may or may not match the abbreviations used in "c". Also, the convention is adopted that under the "SI&A" Main Tab, the Sub Tab labeled "NBI Summary" is instead referred to as "All"; thus, its Main Tab/Sub Tab designation is "SI&A/All".

**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

Item Number:	Item Name:
Main Tab/Sub Tab:	Misc. Fields: <span style="float: right; color: red;">d</span>
Main Tab/Sub Tab:	Misc. Fields: <span style="float: right; color: red;">d</span>
Main Tab/Sub Tab:	Misc. Fields: <span style="float: right; color: red;">d</span>
Main Tab/Sub Tab:	Misc. Fields: <span style="float: right; color: red;">d</span>

NBIS: <input type="checkbox"/> Yes	Toll Road: <input type="checkbox"/> Yes	Input Format: <input type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
INDOT: <input type="checkbox"/> Yes	County/Local: <input type="checkbox"/> Yes	XXXX.XXXX	NBIS Underrec.: <input type="checkbox"/> Yes

**Description:** These are the Misc. Fields associated with the Main Tab/Sub Tab previously described (position "c"). Miscellaneous Fields may include check boxes, comment boxes, date boxes, and any other data associated with the Item Number being presented but not actually possessing its own unique item number.

**Instructions:** Multiple Miscellaneous Fields may be listed on a given line (as many as will fit); all of these would be associated with the Main Tab/Sub Tab location directly to the left (position "c"). Because of space limitations, abbreviations will often be used to allow the various Miscellaneous Fields to fit in position "d" as shown. These abbreviations do not follow any set pattern, but vary as required by considerations for clarity and available space.

Occasionally, a Main Tab/Sub Tab will be repeated (e.g., of four locations listed, three are unique and one is a repeat). Typically, this is done in order to present additional information about Miscellaneous Fields associated with that Main Tab/Sub Tab location. If there are multiple Miscellaneous Fields (e.g., check boxes, comment boxes, date boxes) pertaining to that Main Tab/Sub Tab location, they might not all fit in a single Misc. Fields line (position "d"). Therefore, the Miscellaneous Fields will be broken up into multiple lines and the Main Tab/Sub Tab location will be repeated so that it is clear which Miscellaneous Field is associated with which location. Generally, this does not imply that the item itself has multiple appearances on a given Main Tab/Sub Tab page.

Typically, there are four lines available for Misc. Fields listings (opposite the four lines for Main Tab/Sub Tab). For an additional formatting option, see the following page.

Lines that are not used will be left empty, as indicated by a hyphen. For example, if the item occurs on four Main Tab/Sub Tab pages, but there are only Miscellaneous Fields associated with two of the tabs, then the bottom two Misc. Fields lines will be empty.

**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:**

**Item Name:**

**Main Tab/Sub Tab:**

**Main/Sub Tab:**

**Main Tab/Sub Tab:**

**Main/Sub Tab:**

**Main Tab/Sub Tab:**

**Misc. Fields:** d

**Main Tab/Sub Tab:**

**Misc. Fields:** d

**NBIS:**  Yes    **Toll Road:**  Yes

**Input Format:**  Drop-Down     Manual

**INDOT:**  Yes    **County/Local:**  Yes

**XXXX.XXXX**    **NBIS Underrec.:**  Yes

**Description:** These are the Misc. Fields associated with the Main Tab/Sub Tab previously described (position "c"). Miscellaneous Fields may include check boxes, comment boxes, date boxes, and any other data associated with the Item Number being presented but not actually possessing its own unique item number.

**Instructions:** Multiple Miscellaneous Fields may be listed on a given line (as many as will fit); all of these would be associated with the Main Tab/Sub Tab location directly to the left (position "c"). Because of space limitations, abbreviations will often be used to allow the various Miscellaneous Fields to fit in position "d" as shown. These abbreviations do not follow any set pattern, but vary as required by considerations for clarity and available space.

Because an item can appear in numerous locations in the database, multiple Main Tab/Sub Tab pages can be specified (up to eight). The format of this sample BRAGI page would allow for six Main Tab/Sub Tab locations; therefore, Miscellaneous Fields associated with two Main Tab/Sub Tab locations could be specified. The typical BRAGI format is shown on the previous page, with four Main Tab/Sub Tab locations (position "c") and an associated Misc. Fields for each. However, the number of Main Tab/Sub Tab pages can vary by eliminating Misc. Fields lines in order to accommodate a maximum of eight Main Tab/Sub Tab locations (consequently, with no Misc. Fields).

Lines that are not used will be left empty, as indicated by a hyphen. For example, with a BRAGI page in this format, if the item occurs on six Main Tab/Sub Tab pages, but there are only Miscellaneous Fields associated with one of the tabs, then the bottom Misc. Fields line will be empty.

**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	<b>Item Name:</b>
<b>Main Tab/Sub Tab:</b>	<b>Misc. Fields:</b>
<b>NBIS:</b> <input checked="" type="checkbox"/> <b>Yes</b> <b>Toll Road:</b> <input type="checkbox"/> <b>Yes</b> <b>INDOT:</b> <input type="checkbox"/> <b>Yes</b> <b>County/Local:</b> <input type="checkbox"/> <b>Yes</b>	<b>Input Format:</b> <input type="checkbox"/> <b>Drop-Down</b> <input type="checkbox"/> <b>Manual</b> <b>XXXX.XXXX</b> <b>NBIS Underrec.:</b> <input type="checkbox"/> <b>Yes</b>

**Description:**    The NBIS Check Box indicates whether this item and the data recorded for it are required for the National Bridge Inventory (NBI) as established by the National Bridge Inspection Standards (NBIS). Essentially, this indicates if the item is found in the FHWA Coding Guide.

**Instructions:**    Note that with some composite items this may not always be checked for a given component segment (e.g., an item series with suffixes A to C is required by the FHWA but INDOT also tracks a closely related item with suffix D: the “cover page” for the series and the pages for items with suffixes A, B, and C would have the NBIS box checked, but the box would not be checked for the suffix D item).

Typically, non-FHWA items are found in Volume II and Volume III of BRAGI. However, some non-FHWA items that are integrally related to an existing FHWA series may be retained in Volume I rather than breaking up the series; standalone items that are more loosely related to an existing FHWA series will be found in Volume II.

**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:**

**Item Name:**

Main Tab/Sub Tab:

Misc. Fields:

**NBIS:**     Yes

**Toll Road:**     Yes

**Input Format:**     Drop-Down

Manual

**INDOT:**     Yes <sup>f</sup>

**County/Local:**     Yes

**XXXX.XXXX**

**NBIS Underrec.:**

Yes

**Description:**    The INDOT Check Box indicates whether this item and the data recorded for it are required for bridges under the jurisdiction of INDOT.

**Instructions:**    Since INDOT must comply with NBIS, this box will always be checked if the NBIS box is also checked.

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**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:**

**Item Name:**

Main Tab/Sub Tab:

Misc. Fields:

NBIS:  Yes

Toll Road:  Yes g

Input Format:  Drop-Down  Manual

INDOT:  Yes

County/Local:  Yes

XXXX.XXXX NBIS Underrec.:  Yes

**Description:** The Toll Road Check Box indicates whether this item and the data recorded for it are required for bridges under the jurisdiction of the Indiana Toll Road.

**Instructions:** Since all public road bridges must comply with NBIS, this box will always be checked if the NBIS box is also checked.

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**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:**

**Item Name:**

Main Tab/Sub Tab:

Misc. Fields:

NBIS:  Yes

Toll Road:  Yes

Input Format:  Drop-Down  Manual

INDOT:  Yes

County/Local:  Yes h

XXXX.XXXX NBIS Underrec.:  Yes

**Description:** The County/Local Check Box indicates whether this item and the data recorded for it are required for bridges under the jurisdiction of a County or other Local Agency.

**Instructions:** Since all public road bridges must comply with NBIS, this box will always be checked if the NBIS box is also checked.

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**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:**

**Item Name:**

**Main Tab/Sub Tab:**

**Misc. Fields:**

**NBIS:**  Yes

**Toll Road:**  Yes

**Input Format:**  Drop-Down  Manual

**INDOT:**  Yes

**County/Local:**  Yes

**XXXX.XXXX NBIS Underrec.:**  Yes

**Description:** The Drop-Down Check Box indicates whether the data for a particular item is entered by the user through a drop-down list (a series of choices, usually different codes, which appear by clicking in the item field).

**Instructions:** The term "Drop-Down" is intended to include both standard drop-downs (a triangle to the right of the field indicates that a list of choices will appear once the user clicks in the field) as well as hidden drop-downs (there is no triangle indicating that it is a drop-down field, but once the user clicks in the field a drop-down list or, very often, a calendar box, appears).

Note that the BRAGI page for any item is written for a specific audience: the individual with the appropriate permissions to access and modify the data in that particular field. If certain classes of individuals do not have access to a specific item, this may be noted in the Instructions ("p") or in the Notes ("q"). For example, Load Raters and Administrators can access certain fields that the Inspector cannot.

There may be occasions where an item is Read-Only in a certain location (e.g., Under-Records tab) because it is mirroring information that was entered for that item on a different tab. There may also be occasions where one type of input is used for an item on one tab but a different kind of input is used for that same item in a different location (different tab). In that case all applicable Input Format Check Boxes will be checked, and the tabs with non-typical (less prevalent) input formats will be indicated with parenthesis next to the Main Tab/Sub Tab page (position "c") as follows: (RO) for Read-Only, (DD) for Drop-Down, and (M) for Manual.

The format indicated by the check box is intended to describe only the item field itself, not any Miscellaneous Fields associated with the item. The format of these ancillary fields will vary: it may be manual entry for a comment field (i.e., text box), or it may be a hidden drop-down for a date (calendar) box, or it may be a check box to indicate if this item rating governs some overall rating, etc. The format of Miscellaneous Fields will usually be obvious from the general description given in Misc. Fields (location "d"); if not obvious, the user should go into the database to investigate the various fields associated with the given Item Number.

**Notes:** Because the input format can vary for component segments of composite items, the "cover page" item Input Format Check Boxes are deliberately left blank; the reader must see the BRAGI page for the particular item segment for input format information.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:**

**Item Name:**

**Main Tab/Sub Tab:**

**Misc. Fields:**

**NBIS:**  Yes

**Toll Road:**  Yes

**Input Format:**  Drop-Down  Manual j

**INDOT:**  Yes

**County/Local:**  Yes

**XXXX.XXXX NBIS Underrec.:**  Yes

**Description:** The Manual Check Box indicates whether the data for a particular item is entered by the user through a text box via manual entry (typing in data directly as opposing to choosing an option from a drop-down list).

**Instructions:** Note that the BRAGI page for any item is written for a specific audience: the individual with the appropriate permissions to access and modify the data in that particular field. If certain classes of individuals do not have access to a specific item, this may be noted in the Instructions ("p") or in the Notes ("q"). For example, Load Raters and Administrators can access certain fields that the Inspector cannot.

There may be occasions where an item is Read-Only in a certain location (e.g., Under-Records tab) because it is mirroring information that was entered for that item on a different tab. There may also be occasions where one type of input is used for an item on one tab but a different kind of input is used for that same item in a different location (different tab). In that case all applicable Input Format Check Boxes will be checked, and the tabs with non-typical (less prevalent) input formats will be indicated with parenthesis next to the Main Tab/Sub Tab page (position "c") as follows: (RO) for Read-Only, (DD) for Drop-Down, and (M) for Manual.

The format indicated by the check box is intended to describe only the item field itself, not any Miscellaneous Fields associated with the item. The format of these ancillary fields will vary: it may be manual entry for a comment field (i.e., text box), or it may be a hidden drop-down for a date (calendar) box, or it may be a check box to indicate if this item rating governs some overall rating, etc. The format of Miscellaneous Fields will usually be obvious from the general description given in Misc. Fields (location "d"); if not obvious, the user should go into the database to investigate the various fields associated with the given Item Number.

**Notes:** Because the input format can vary for component segments of composite items, the "cover page" item Input Format Check Boxes are deliberately left blank; the reader must see the BRAGI page for the particular item segment for input format information.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	<b>Item Name:</b>
<b>Main Tab/Sub Tab:</b>	<b>Misc. Fields:</b>
<b>NBIS:</b> <input type="checkbox"/> Yes <b>Toll Road:</b> <input type="checkbox"/> Yes <b>INDOT:</b> <input type="checkbox"/> Yes <b>County/Local:</b> <input type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down <input type="checkbox"/> Manual <b>XXXX.XX k</b> <b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:**    The Input Format Digits indicates how many alphanumeric characters are contained in the database value for a given item.

**Instructions:**    Note that units are not usually indicated here, only the length of the data. Units are typically indicated in the Description (“o”) or Instructions (“p”). One occasion where units are shown in “k” is when the units are mixed: XX ft. XX in. Also note that digits are only indicated for the numbered BRAGI item, not any associated ancillary fields (Misc. Fields).

Often for drop-down format items, there will be a single numeric or alpha character (X), or possibly a code of two (XX) or three (XXX) characters. For manual entry items, there will often be a fixed quantity of numeric digits before the decimal place and a fixed quantity of numeric digits after the decimal place (e.g., XX.X or XXXX.XXX). The information in “k” helps the reader to remember to add leading or trailing zeros or spaces when inputting data so as to use up the correct number of digits. The Instructions (position “p”) also mention whether leading or trailing zeros or spaces are required (i.e., whether the item format is right-justified or left-justified, respectively). Note that whether each X must be alpha or numeric or either is not explicitly indicated by the Input Format Digits given in “k”; rather the reader must consult the Instructions (location “p”) for a more thorough description of the data format for that particular item.

For items with too many digits to fit in location “k” as shown, the following convention is adopted. There will be an X, an ellipse, another X, and then the total number of required digits in parenthesis. For example, a field that needs 15 alphanumeric characters would be indicated by X...X(15).

For items with unlimited input (usually manual entry text boxes such as comment fields), the following convention is adopted. There will be an X followed by an ellipse; this indicates that an infinite number of characters could be entered for the field in question (i.e., X...).

**Notes:**    Because the input format can vary for component segments of composite items, the “cover page” item Input Format Digits is deliberately left blank; the reader must see the BRAGI page for the particular item segment for input format information. Also, the FHWA Coding Guide is in the Metric System, but INDOT collects data in the Imperial System; the program will convert Imperial data to Metric so that it may be submitted to the FHWA with the proper number of significant digits.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:**

**Item Name:**

**Main Tab/Sub Tab:**

**Misc. Fields:**

**NBIS:**  Yes

**Toll Road:**  Yes

**Input Format:**  Drop-Down

Manual

**INDOT:**  Yes

**County/Local:**  Yes

XXXX.XXXX

**NBIS Underrec.:**

Yes n

**Description:** The NBIS Underrec. Check Box indicates if the given item is associated with under-record data submittal to the FHWA.

**Instructions:** A bridge will not require inspection per NBIS if it does not carry vehicular traffic (e.g., railroad or pedestrian bridge). However, per NBIS, if the bridge crosses over a Federal-Aid highway, a STRAHNET route or connector, or some other type of important highway route, an under-record must be recorded for each qualifying route passing under the bridge.

The under-record data is a subset of the standard data collection for a bridge; it consists of various FHWA inventory items, but no appraisal or condition items. These inventory items are recorded and submitted to the FHWA as part of the annual data submittal; if the data changes (e.g., due to reconstruction of the route under the bridge, thus modifying existing clearances), then the altered inventory information is recorded and resubmitted to the FHWA with the next annual submittal.

The purpose of the NBIS Underrecord Check Box is to inform the reader that the BRAGI item in question is associated with the under-record data collection; even if the bridge does not require an NBIS inspection, the data for that particular item must either be newly recorded or verified.

Note that with some composite items this may not always be checked for a given component segment (e.g., an item series with suffixes A to C is required by the FHWA for under-records but INDOT also tracks a closely related item, not needed for under-records, with suffix D: the "cover page" for the series and the pages for items with suffixes A, B, and C would have the NBIS Underrec. Check Box checked, but the box would not be checked for the suffix D item).

Typically, non-FHWA items are found in Volume II and Volume III of BRAGI. However, some non-FHWA items that are integrally related to an existing FHWA series may be retained in Volume I rather than breaking up the series; standalone items that are more loosely related to an existing FHWA series will be found in Volume II.

**Notes:** Due to complexities in the database, not all items associated with under-records will be labeled exactly as shown in the FHWA Coding Guide. The NBIS Underrec. Check Box is primarily used to indicate if an item is closely associated with under-records, not if the data will actually be sent to the FHWA in the exact format as recorded.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:**

**Item Name:**

Main Tab/Sub Tab:

Misc. Fields:

NBIS:  Yes

Toll Road:  Yes

Input Format:  Drop-Down  Manual

INDOT:  Yes

County/Local:  Yes

XXXX.XXXX NBIS Underrec.:  Yes

**Description:**     o

**Instructions:**     The Description portion of the BRAGI page is used to give the reader a general idea of the item and its purpose. If the Item Name was abbreviated in position "b", the full name of the item will be found in the Description (position "o").

For items that require multiple BRAGI pages due to lengthy instructions, figures, etc., the Item Name will be repeated here (position "o") along with "continued" in parenthesis to indicate that the current BRAGI page is a continuation of the last item rather than a new item.

In these cases of multi-page items, all of the information at the top of the first page will be repeated on the continuation pages (positions "a", "b", "c", "d", "e", "f", "g", "h", "i", "j", "k", and "n"). However, Notes applicable to the item (position "q") will only be shown on the first item page and will not be repeated on subsequent pages.

**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:**

**Item Name:**

Main Tab/Sub Tab:

Misc. Fields:

NBIS:  Yes

Toll Road:  Yes

Input Format:  Drop-Down  Manual

INDOT:  Yes

County/Local:  Yes

XXXX.XXXX NBIS Underrec.:  Yes

**Description:** The Instructions offer detailed guidance on the item applicability, drop-down choices or manual entry formatting, code meanings, etc. Figures, photos, or tables may be included, as well as expanded descriptions for various condition or appraisal ratings.

**Instructions:** p

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**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:**

**Item Name:**

**Main Tab/Sub Tab:**

**Misc. Fields:**

**NBIS:**  Yes

**Toll Road:**  Yes

**Input Format:**  Drop-Down  Manual

**INDOT:**  Yes

**County/Local:**  Yes

**XXXX.XXXX NBIS Underrec.:**  Yes

**Description:** At the bottom of the BRAGI page the Notes can be found; this is a catch-all field. Often it will be left empty, as indicated by a hyphen.

**Instructions:** The Notes offer additional background on the item or on INDOT's use of it, helpful hints for the program user, known issues with the database, and any other pertinent information that was not included in the Description or Instructions (either because space didn't allow or, more usually, because the information did not really belong in positions "o" or "p" due to its non-critical nature).

For items that require multiple BRAGI pages due to lengthy instructions, figures, etc., the Item Name will be repeated in position "o" along with "continued" in parenthesis to indicate that the current BRAGI page is a continuation of the last item rather than a new item. All of the information at the top of the first page will be repeated on the continuation pages (positions "a", "b", "c", "d", "e", "f", "g", "h", "i", "j", "k", and "n"). However, Notes applicable to the item (position "q") will only be shown on the first item page and will not be repeated on subsequent pages.

**Notes:** q

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	1	<b>Item Name:</b>	State Code
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<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords (RO)	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item is a three-digit code used to identify the State and FHWA region in which a bridge is located.

**Instructions:** No input required. This field is pre-populated as 185, signifying the State is Indiana and the FHWA Region is 5.

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**Notes:** Only one choice (185 for Indiana) is available.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	2	<b>Item Name:</b>	District
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down <input type="checkbox"/> Manual	
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b> <b>NBIS Underrec.:</b> <input type="checkbox"/> Yes	

**Description:**    This item indicates the INDOT district in which the bridge is physically located, except for toll, private, or border bridges, which have their own designation.

**Instructions:**    Enter the appropriate two digit district code from the drop-down menu.

- 01 – Crawfordsville
- 02 – Fort Wayne
- 03 – Greenfield
- 04 – La Porte
- 05 – Seymour
- 06 – Vincennes
- 07 – Toll
- KY – Kentucky
- IL – Illinois
- OH – Ohio
- TF – Toll Facility
- PV – Private

Note that a code of 07 indicates a toll road bridge in northern Indiana along Interstate 90, whereas a code of TF indicates a toll facility bridge along State Route 62.

Border bridges are designated by the neighboring state code (either KY, IL, or OH).

Bridges that are owned by a private entity (neither state, county/local agency, nor toll) are designated by a code of PV.

**Notes:**                    -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	3	<b>Item Name:</b>	County
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Main/Sub Tab:</b>	Load Rating/Structure Data (1)
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Main/Sub Tab:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies the county in which the inventory route is physically located.

**Instructions:** Enter the three digit county code from the list below:

001 - ADAMS	027 - GRANT	053 - MONROE
002 - ALLEN	028 - GREENE	054 - MONTGOMERY
003 - BARTHOLOMEW	029 - HAMILTON	055 - MORGAN
004 - BENTON	030 - HANCOCK	056 - NEWTON
005 - BLACKFORD	031 - HARRISON	057 - NOBLE
006 - BOONE	032 - HENDRICKS	058 - OHIO
007 - BROWN	033 - HENRY	059 - ORANGE
008 - CARROLL	034 - HOWARD	060 - OWEN
009 - CASS	035 - HUNTINGTON	061 - PARKE
010 - CLARK	036 - JACKSON	062 - PERRY
011 - CLAY	037 - JASPER	063 - PIKE
012 - CLINTON	038 - JAY	064 - PORTER
013 - CRAWFORD	039 - JEFFERSON	065 - POSEY
014 - DAVIESS	040 - JENNINGS	066 - PULASKI
015 - DEARBORN	041 - JOHNSON	067 - PUTNAM
016 - DECATUR	042 - KNOX	068 - RANDOLPH
017 - DEKALB	043 - KOSCIUSKO	069 - RIPLEY
018 - DELAWARE	044 - LAGRANGE	070 - RUSH
019 - DUBOIS	045 - LAKE	071 - ST. JOSEPH
020 - ELKHART	046 - LAPORTE	072 - SCOTT
021 - FAYETTE	047 - LAWRENCE	073 - SHELBY
022 - FLOYD	048 - MADISON	074 - SPENCER
023 - FOUNTAIN	049 - MARION	075 - STARKE
024 - FRANKLIN	050 - MARSHALL	076 - STEUBEN
025 - FULTON	051 - MARTIN	077 - SULLIVAN
026 - GIBSON	052 - MIAMI	078 - SWITZERLAND

**Notes:** County #93 is used as part of the Bridge Structure Number, for Non-Interstate Highway Border Bridges where Kentucky or Illinois is the lead state for bridge maintenance and inspection. (For example: US-31, US-41, SR-64, SR-161, US-231, & US-421.) These bridges use the adjacent county in Indiana, 082, for item 3.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	3	<b>Item Name:</b>	County
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Main/Sub Tab:</b>	Load Rating/Structure Data (1)
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Main/Sub Tab:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** County (continued)

**Instructions:** Enter the three digit county code from the list below:

- 079 - TIPPECANOE
- 080 - TIPTON
- 081 - UNION
- 082 - VANDERBURGH
- 083 - VERMILLION
- 084 - VIGO
- 085 - WABASH
- 086 - WARREN
- 087 - WARRICK
- 088 - WASHINGTON
- 089 - WAYNE
- 090 - WELLS
- 091 - WHITE
- 092 - WHITLEY

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	4	<b>Item Name:</b>	City/Town
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXXX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies the city or town in which the inventory route is physically located.

**Instructions:** Enter the appropriate five digit code from the drop-down menu for town codes.  
If the bridge is not located in an incorporated city, town, or village, code as 00000.

- |                      |                        |                     |
|----------------------|------------------------|---------------------|
| 00000 - N/A          | 02620 - ATTICA         | 06220 - BLUFFTON    |
| 00640 - ADVANCE      | 02674 - AUBURN         | 06616 - BOONVILLE   |
| 00748 - AKRON        | 02782 - AURORA         | 06652 - BOSTON      |
| 00784 - ALAMO        | 02800 - AUSTIN         | 06706 - BOSWELL     |
| 00802 - ALBANY       | 02872 - AVILLA         | 06760 - BOURBON     |
| 00820 - ALBION       | 03142 - BAINBRIDGE     | 07174 - BRAZIL      |
| 00910 - ALEXANDRIA   | 03394 - BARGERSVILLE   | 07318 - BREMEN      |
| 00964 - ALFORDSVILLE | 03664 - BATESVILLE     | 07750 - BRISTOL     |
| 01270 - ALTON        | 03718 - BATTLE GROUND  | 07966 - BROOK       |
| 01288 - ALTONA       | 04114 - BEDFORD        | 08038 - BROOKLYN    |
| 01342 - AMBIA        | 04204 - BEECH GROVE    | 08092 - BROOKSBURG  |
| 01360 - AMBOY        | 04888 - BERNE          | 08146 - BROOKSTON   |
| 01450 - AMO          | 04978 - BETHANY        | 08182 - BROOKVILLE  |
| 01468 - ANDERSON     | 05158 - BEVERLY SHORES | 08416 - BROWNSBURG  |
| 01612 - ANDREWS      | 05176 - BICKNELL       | 08470 - BROWNSTOWN  |
| 01666 - ANGOLA       | 05374 - BIRDSEYE       | 08578 - BRUCEVILLE  |
| 01954 - ARCADIA      | 05716 - BLOOMFIELD     | 08704 - BRYANT      |
| 02044 - ARGOS        | 05788 - BLOOMINGDALE   | 09136 - BUNKER HILL |
| 02458 - ASHLEY       | 05860 - BLOOMINGTON    | 09226 - BURKET      |
| 02602 - ATLANTA      | 05896 - BLOUNTSVILLE   | 09244 - BURLINGTON  |

**Notes:** -











## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	4	<b>Item Name:</b>	City/Town
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXXX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** City/Town (continued)

**Instructions:** Enter the appropriate five digit code from the drop-down menu for town codes.

If the bridge is not located in an incorporated city, town, or village, code as 00000.

52650 - NEWBURGH	54792 - NORTH GROVE	57168 - OSSIAN
52704 - NEW CARLISLE	54900 - NORTH JUDSON	57258 - OTTERBEIN
52740 - NEW CASTLE	54918 - NORTH LIBERTY	57528 - OWENSVILLE
52776 - NEW CHICAGO	54954 - NORTH MANCHESTER	57546 - OXFORD
52974 - NEW HARMONY	55080 - NORTH SALEM	57726 - PALMYRA
52992 - NEW HAVEN	55116 - NORTH VERNON	57780 - PAOLI
53262 - NEW MARKET	55134 - NORTH WEBSTER	57870 - PARAGON
53298 - NEW MIDDLETOWN	55710 - OAKLAND CITY	57978 - PARKER CITY
53352 - NEW PALESTINE	55782 - OAK PARK	58320 - PATOKA
53370 - NEW PARIS	55800 - OAKTOWN	58392 - PATRIOT
53388 - NEW PEKIN	56052 - ODON	58662 - PENDLETON
53478 - NEWPOINT	56088 - OGDEN DUNES	58788 - PENNVILLE
53496 - NEWPORT	56286 - OLDENBURG	59238 - PERRYSVILLE
53514 - NEW PROVIDENCE	56664 - ONWARD	59328 - PERU
53532 - NEW RICHMOND	56682 - OOLITIC	59364 - PETERSBURG
53550 - NEW ROSS	56952 - ORESTES	59598 - PIERCETON
53694 - NEWTOWN	57006 - ORLAND	59994 - PINE LAKE
53874 - NEW WHITELAND	57024 - ORLEANS	60084 - PINE VILLAGE
54180 - NOBLESVILLE	57114 - OSCEOLA	60192 - PITTSBORO
54612 - NORTH CROWS NEST	57132 - OSGOOD	60246 - PLAINFIELD

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	4	<b>Item Name:</b>	City/Town
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXXX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** City/Town (continued)

**Instructions:** Enter the appropriate five digit code from the drop-down menu for town codes.

If the bridge is not located in an incorporated city, town, or village, code as 00000.

60264 - PLAINVILLE	64980 - ROACHDALE	67464 - SALEM
60822 - PLYMOUTH	64998 - ROANN	67626 - SALTILLO
61020 - PONETO	65016 - ROANOKE	67698 - SANDBORN
61092 - PORTAGE	65214 - ROCHESTER	68022 - SANTA CLAUS
61164 - PORTER	65484 - ROCKPORT	68058 - SARATOGA
61236 - PORTLAND	65520 - ROCKVILLE	68220 - SCHERERVILLE
61416 - POSEYVILLE	65556 - ROCKY RIPPLE	68238 - SCHNEIDER
61488 - POTTAWATTAMIE PARK	65808 - ROME CITY	68526 - SCOTTSBURG
62028 - PRINCES LAKES	65934 - ROSEDALE	68652 - SEELYVILLE
62046 - PRINCETON	65988 - ROSELAND	68670 - SELLERSBURG
63090 - RAVENSWOOD	66150 - ROSSVILLE	68706 - SELMA
63450 - REDKEY	66222 - ROYAL CENTER	68832 - SEYMOUR
63756 - REMINGTON	66438 - RUSHVILLE	68976 - SHAMROCK LAKES
63792 - RENSSELAER	66510 - RUSSELLVILLE	69048 - SHARPSVILLE
63918 - REYNOLDS	66546 - RUSSIAVILLE	69192 - SHELburn
64260 - RICHMOND	66834 - ST JOE	69318 - SHELBYVILLE
64422 - RIDGEVILLE	66852 - ST JOHN	69354 - SHERIDAN
64512 - RILEY	66978 - ST LEON	69480 - SHIPSHEWANA
64674 - RISING SUN	67212 - ST PAUL	69516 - SHIRLEY
64728 - RIVER FOREST	67302 - SALAMONIA	69552 - SHOALS

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	4	<b>Item Name:</b>	City/Town
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXXX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** City/Town (continued)

**Instructions:** Enter the appropriate five digit code from the drop-down menu for town codes.

If the bridge is not located in an incorporated city, town, or village, code as 00000.

80018 - WANATAH	84014 - WHITESTOWN	86372 - ZIONSVILLE
80108 - WARREN	84086 - WHITEWATER	
80234 - WARREN PARK	84122 - WHITING	
80306 - WARSAW	84302 - WILKINSON	
80504 - WASHINGTON	84374 - WILLIAMS CREEK	
81278 - WATERLOO	84410 - WILLIAMSPORT	
81458 - WAVELAND	84734 - WINAMAC	
82052 - WAYNETOWN	84752 - WINCHESTER	
82376 - WEST BADEN SPRINGS	84806 - WINDFALL CITY	
82556 - WEST COLLEGE CORNER	84914 - WINGATE	
82700 - WESTFIELD	84950 - WINONA LAKE	
82790 - WEST HARRISON	84968 - WINSLOW	
82862 - WEST LAFAYETTE	85058 - WOLCOTT	
82934 - WEST LEBANON	85076 - WOLCOTTVILLE	
83276 - WESTPORT	85184 - WOODBURN	
83384 - WEST TERRE HAUTE	85400 - WOODLAWN HEIGHTS	
83420 - WESTVILLE	85598 - WORTHINGTON	
83528 - WHEATFIELD	85742 - WYNNEDALE	
83564 - WHEATLAND	85886 - YEOMAN	
83816 - WHITELAND	86084 - YORKTOWN	

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	5A	<b>Item Name:</b>	Record Type
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<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies whether the inventory route is carried "on" the structure.

**Instructions:** Enter the appropriate one digit code from the drop-down menu for inventory route record type.

(BLANK)  
1 - ROUTE ON

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**Notes:** -





## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	5D	<b>Item Name:</b>	Route Number
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<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b>	<input checked="" type="checkbox"/> Yes	<b>Toll Road:</b>	<input checked="" type="checkbox"/> Yes	<b>Input Format:</b>	<input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b>	<input checked="" type="checkbox"/> Yes	<b>County/Local:</b>	<input checked="" type="checkbox"/> Yes	<b>XXXXX</b>	<b>NBIS Underrec.:</b>	<input type="checkbox"/> Yes

**Description:** This item codes the route number of the inventory route "on" the structure.

**Instructions:** Enter the appropriate five digit code manually for the route number. This value shall be right justified in the field with leading zeros filled in.

If concurrent routes are of the same hierarchy level denoted by the route signing prefix, the lowest numbered route shall be coded.

For roads without route numbers, code as 00000.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 5E                      **Item Name:** Directional Suffix

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** When it is part of the route number, this item codes the directional suffix of the inventory route "on" the structure.

**Instructions:** Enter the appropriate one digit code from the drop-down menu for the directional suffix.

- (BLANK)  
 0 - NOT APPLICABLE  
 1 - NORTH  
 2 - EAST  
 3 - SOUTH  
 4 - WEST

In some cases, letters may be used with route numbers and as part of the route numbers, and not to indicate direction. In such cases, the letter should be included in the 5-position route number field (item 5D).

In Indiana, directional suffixes are not currently used, so this will be coded as 0 (not applicable). Check with INDOT's Central Office Staff for additional guidance pertaining to codes 1 through 4.

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 5A                      **Item Name:** Record Type

<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies whether the bridge has a single under-record or many. If many, this item will also identify which under-record is being described.

**Instructions:** Enter the appropriate one digit code from the drop-down menu for inventory route record type.

- (BLANK)  
 2 - UNDERRECORD 2 TYPE (IF ONLY 1 UNDER RECORD)  
 A - UNDERRECORD A (IF MORE THAN 1 UNDER-RECORD)  
 B - UNDERRECORD B  
 C - UNDERRECORD C  
 D - UNDERRECORD D  
 E - UNDERRECORD E  
 F - UNDERRECORD F  
 G - UNDERRECORD G  
 H - UNDERRECORD H  
 I - UNDERRECORD I  
 J - UNDERRECORD J  
 K - UNDERRECORD K  
 L - UNDERRECORD L  
 M - UNDERRECORD M  
 N - UNDERRECORD N  
 O - UNDERRECORD O  
 P - UNDERRECORD P  
 Q - UNDERRECORD Q  
 R - UNDERRECORD R  
 S - UNDERRECORD S  
 T - UNDERRECORD T  
 U - UNDERRECORD U  
 V - UNDERRECORD V  
 W - UNDERRECORD W  
 X - UNDERRECORD X  
 Y - UNDERRECORD Y  
 Z - UNDERRECORD Z

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 5C                      **Item Name:** Designated Level of Service

<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down <input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b> <b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:**    This item identifies the designated level of service for the inventory route "under" the structure.

**Instructions:**    Enter the appropriate one digit code from the drop-down menu for designated level of service.

- (BLANK)
- 0 - NONE OF THE BELOW
- 1 - MAINLINE
- 2 - ALTERNATE
- 3 - BYPASS
- 4 - SPUR
- 6 - BUSINESS
- 7 - RAMP, WYE, CONNECTOR
- 8 - SERVICE / FRONTAGE ROAD

**Notes:**                      -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	5D	<b>Item Name:</b>	Route Number
---------------------	----	-------------------	--------------

<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXXX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item codes the route number of the inventory route "under" the structure.

**Instructions:** Enter the appropriate five digit code manually for the route number. This value shall be right justified in the field with leading zeros filled in.

If concurrent routes are of the same hierarchy level denoted by the route signing prefix, the lowest numbered route shall be coded.

For roads without route numbers, code as 00000.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	5E	<b>Item Name:</b>	Directional Suffix
---------------------	----	-------------------	--------------------

<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** When it is part of the route number, this item codes the directional suffix of the inventory route "under" the structure.

**Instructions:** Enter the appropriate one digit code from the drop-down menu for the directional suffix.

- (BLANK)  
 0 - NOT APPLICABLE  
 1 - NORTH  
 2 - EAST  
 3 - SOUTH  
 4 - WEST

In some cases, letters may be used with route numbers and as part of the route numbers, and not to indicate direction. In such cases, the letter should be included in the 5-position route number field (item 5D).

In Indiana, directional suffixes are not currently used, so this will be coded as 0 (not applicable). Check with INDOT's Central Office Staff for additional guidance pertaining to codes 1 through 4.

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 5AA      **Item Name:** Record Type

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies whether the bridge has a single under-record or many.

**Instructions:** Enter the appropriate one digit code from the drop-down menu for inventory route record type.

- (BLANK)
- 2 - UNDERRECORD 2 TYPE (IF ONLY 1 UNDER-RECORD)
- A - UNDERRECORD A TYPE (IF MORE THAN 1 UNDER-RECORD)

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 5AB **Item Name:** Route Signing Prefix

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Identification	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies the route signing prefix for the first inventory route "under" the structure.

**Instructions:** Enter the appropriate one digit code from the drop-down menu for route signing prefix.

- (BLANK)
- 1 - INTERSTATE HIGHWAY
- 2 - U.S. NUMBERED HIGHWAY
- 3 - STATE HIGHWAY
- 4 - COUNTY HIGHWAY
- 5 - CITY STREET
- 6 - FEDERAL LANDS ROAD
- 7 - STATE LANDS ROAD
- 8 - OTHER

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 5AC **Item Name:** Designated Level of Service

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Identification	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies the designated level of service for the first inventory route "under" the structure.

**Instructions:** Enter the appropriate one digit code from the drop-down menu for designated level of service.

- (BLANK)
- 0 - NONE OF THE BELOW
- 1 - MAINLINE
- 2 - ALTERNATE
- 3 - BYPASS
- 4 - SPUR
- 6 - BUSINESS
- 7 - RAMP, WYE, CONNECTOR
- 8 - SERVICE / FRONTAGE ROAD

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 5AD                      **Item Name:** Route Number

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	XXXXX	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item codes the route number of the first inventory route “under” the structure.

**Instructions:** Enter the appropriate five digit code manually for the route number. This value shall be right justified in the field with leading zeros filled in.

If concurrent routes are of the same hierarchy level denoted by the route signing prefix, the lowest numbered route shall be coded.

For roads without route numbers, code as 00000.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 5AE                      **Item Name:** Directional Suffix

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down <input type="checkbox"/> Manual	
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:**    When it is part of the route number, this item codes the directional suffix of the first inventory route "under" the structure.

**Instructions:**    Enter the appropriate one digit code from the drop-down menu for the directional suffix.

- (BLANK)  
 0 - NOT APPLICABLE  
 1 - NORTH  
 2 - EAST  
 3 - SOUTH  
 4 - WEST

In some cases, letters may be used with route numbers and as part of the route numbers, and not to indicate direction. In such cases, the letter should be included in the 5-position route number field (item 5AD).

In Indiana, directional suffixes are not currently used, so this will be coded as 0 (not applicable). Check with INDOT's Central Office Staff for additional guidance pertaining to codes 1 through 4.

**Notes:**                      -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	6	<b>Item Name:</b>	Features Intersected
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Main/Sub Tab:</b>	Load Rating/Structure Data (1)
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Main/Sub Tab:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes	

**Description:** This is a composite item composed of two segments: 6A and 6B. The segments indicate the name or description of the features intersected by the structure and a critical facility indicator.

**Instructions:** See the following pages for instructions regarding the component segments 6A and 6B.

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**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	6A	<b>Item Name:</b>	Features Intersected
<b>Main Tab/Sub Tab:</b> Primary/General Inventory			
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Main/Sub Tab:</b>	Load Rating/Structure Data (1)
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X...X(24)</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item contains a description of the features intersected by the structure. For an under-record, this will describe the inventory route.

**Instructions:** The information to be recorded for this item in the first 24 digits shall be the name or names of the features intersected by the structure.

When one of the features intersected is another highway, the signed number or the name of the highway shall appear first (leftmost) in the field. The names of any other features shall follow, separated by a semicolon or a comma. Parentheses shall be used to provide a second identification of the same feature. Abbreviations may be used where necessary, but an effort shall be made to keep them meaningful. If multiple highways are among the features intersected, they shall be listed in the same order in which they appear as under-records; abbreviations may be required.

When describing the inventory route for a given under-record (in the SI&A/Underrecords Tab), no abbreviations should be necessary because 24 digits are available for each under-record.

The data in the field shall be left justified in the first 24 positions without trailing zeros.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 6B **Item Name:** Critical Facility Indicator

**Main Tab/Sub Tab:** Primary/General Inventory **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Underrecords **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/All **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Identification **Misc. Fields:** -

<b>NBIS:</b> <input type="checkbox"/> Yes	<b>Toll Road:</b> <input type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item indicates if the structure carries a critical facility.

**Instructions:** This item is no longer required by the FHWA, and therefore is not included in the annual NBI data submittal.

Typically, this will be blank. Otherwise, for certain critical INDOT structures, this will be an asterisk, as determined by INDOT Central Office.

**Notes:** This is read-only for inspectors.



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	8	<b>Item Name:</b>	Structure Number
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Main/Sub Tab:</b>	Load Rating/Load Rating (2)
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Main/Sub Tab:</b>	SI&A/Underrecords (RO)
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X...X(15)</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies the structure number, also called the NBI number.

**Instructions:** This is the official 15 digit structure number assigned by INDOT.

It is not necessary to code this number according to an arbitrary national standard. Each agency should code the structure number according to its own internal processing procedures. When recording and coding for this item and following items, any structure or structures with a closed median should be considered as one structure and not two. Closed medians may have either mountable curbs or barriers.

Even with an open median, unless the gap is 1 inch or greater, this will still be considered only one structure and not two. The 1 inch gap (minimum) must also be present in the substructure, in addition to the superstructure / deck, in order to qualify as a dual structure with two NBI numbers.

In Indiana, the following numbering convention is used. For INDOT structures, the first 10 digits shall be blank and the last 5 digits shall be numeric with leading zeros as required. For county structures, the first 8 digits shall be blank and the last 7 digits shall be numeric; the first 2 of the 7 digits indicate which county it is (equivalent to the last 2 digits of the County Code), and the last 5 of the 7 digits are a unique number with leading zeros as required.

The structure number must be unique for each bridge within the State, and once established should preferably never change for the life of the bridge. If it is essential that the structure number must be changed, all 15 digits are to be filled. For any structure number change, a complete cross reference of corresponding "old" and "new" numbers must be provided to the FHWA Bridge Division.

The identical structure number must appear on the "on" and all "under" records associated with a particular structure.

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 9A                      **Item Name:** Location (Miles)

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords (RO)	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down <input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX.XX</b> <b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:**    This item identifies the distance of the bridge, in miles, from some readily identifiable landmark or other feature on a highway map.

**Instructions:**    Enter the distance, in miles, of the bridge from the distinguishable feature (e.g., road junction, landmark) specified by item 9B. This is 4 digits, to the nearest hundredth of a mile; justify with leading and trailing zeros as required.

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**Notes:**                      -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	9B	<b>Item Name:</b>	Location (From)
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<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords (RO)	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X...X(22)?</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item provides a narrative description of the bridge location.

**Instructions:** Enter the narrative description of the location of the bridge. It is recommended that the location be keyed to a distinguishable feature on an official highway department map such as road junctions and topographical features. This item shall be left justified without trailing zeros.

The distance, in miles, is coded in item 9A, so item 9B must contain a direction (e.g., west of) and a feature (e.g., junction of Main Street and State Route 66).

INDOT inspectors must list the distance to the nearest INDOT Route junction; they should also add a note for the distance from the other direction (the longer distance to an INDOT Route junction).

All inspectors should take care to clearly indicate, in the case of double junctions, from which junction they are measuring. For example, Bridge 002-45-07354, NBI # 00570 could have its location coded as 00.63 W OF W JCT. SR55; note that the distance 00.63 is in miles.

**Notes/Issues:** -

**Questions:** Should this be less than 22 characters long, since FHWA item 9, which can only have 25 characters max., is composed of item 9A + "km" + item 9B?







## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 10A      **Item Name:** Defense Vert. Clear. - Over

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Geometric	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

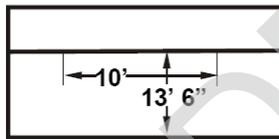
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX ft. XX in.</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Defense Vertical Clearance – Over (continued)

**Instructions:** See the figures below for examples.

Item 10A = 13 ft 06 in

**One Roadway**

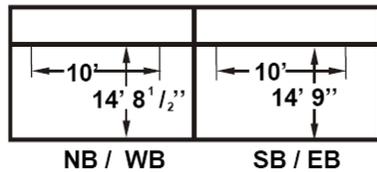


Item 10A = 99 ft 99 in

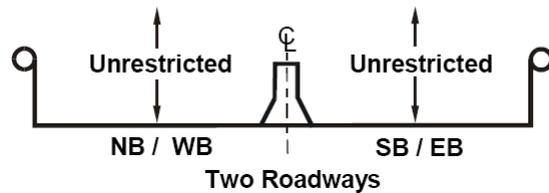
**No Overhead Restriction**



**Two Roadways**



Item 10A = 14 ft 09 in



Item 10A = 99 ft 99 in

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 10B                      **Item Name:** Defense Vert. Clear. - Under

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Geometric	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down <input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX ft. XX in.    NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:**    This item codes the minimum vertical clearance over the first inventory route "under" the structure.

**Instructions:**    Enter the minimum vertical clearance in feet and inches. This information is used to safely route vehicles with loads that exceed legal size limitations. The value shall be rounded down to the whole inch (e.g., 18'-¾" is coded 18'-0" rather than 18'-1"). When no restriction exists or when the clearance is 100 feet or greater, code 99 feet 99 inches.

Note that the minimum clearance is found in the following manner. The greatest vertical clearance on the traveled part of the roadway shall be located. The minimum vertical clearance for any 10 foot width of pavement which contains the previously located greatest clearance is the value to be recorded.

For structures having multiple openings, the greatest of the "minimum clearances" for the two or more openings shall be coded, regardless of the direction of travel.

Leave blank if there is no under-record.

**Notes:**            Note that two subparts are present: one for feet and one for inches.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

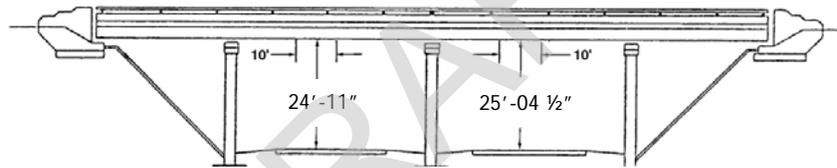
**Item Number:** 10B      **Item Name:** Defense Vert. Clear. - Under

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Geometric	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX ft. XX in.</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** Defense Vertical Clearance – Under (continued)

**Instructions:** See the figure below for an example.



Item 10B = 25 ft 04 in

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	11	<b>Item Name:</b>	Log Mile
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords (RO)	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down <input type="checkbox"/> Manual	
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXX.XXX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:**    This item codes the log mile reference at the center of the structure for the inventory route "under" the structure.

**Instructions:**    The value for this item should be recorded to the nearest thousandth of a mile.

A milepoint is typically used to establish the location of the bridge on the Base Highway Network (see item 12) relative to the Linear Referencing System (LRS). However, no LRS is currently in use in Indiana. Therefore, the long-established log mile is used in lieu of the milepoint.

Code as all zeros, for all 7 digits, if no log mile is provided for the route (e.g., if not on Base Highway Network).

Include zeros where required to fill all 7 digits. For example, code log mile 130.34 as 0130.340.

For county bridges, this value will be 0000.000.

**Notes/Issues:**    -

**Questions:**        Why is this read-only? User must be able to input for each underreccord.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 11A                      **Item Name:** Log Mile Over

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down <input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXX.XXX</b> <b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:**    This item codes the log mile reference at the center of the structure for the inventory route "on" the structure.

**Instructions:**    The value for this item should be recorded to the nearest thousandth of a mile.

A milepoint is typically used to establish the location of the bridge on the Base Highway Network (see item 12) relative to the Linear Referencing System (LRS). However, no LRS is currently in use in Indiana. Therefore, the long-established log mile is used in lieu of the milepoint.

Code as all zeros, for all 7 digits, if no log mile is provided for the route (e.g., if not on Base Highway Network).

Include zeros where required to fill all 7 digits. For example, code log mile 130.34 as 0130.340.

For county bridges, this value will be 0000.000.

**Notes:**                      -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 11B                      **Item Name:** Log Mile Under

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down <input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXX.XXX</b> <b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:**    This item codes the log mile reference at the center of the structure for the first inventory route "under" the structure.

**Instructions:**    The value for this item should be recorded to the nearest thousandth of a mile.

A milepoint is typically used to establish the location of the bridge on the Base Highway Network (see item 12) relative to the Linear Referencing System (LRS). However, no LRS is currently in use in Indiana. Therefore, the long-established log mile is used in lieu of the milepoint.

Code as all zeros, for all 7 digits, if no log mile is provided for the route (e.g., if not on Base Highway Network).

Include zeros where required to fill all 7 digits. For example, code log mile 130.34 as 0130.340.

For county bridges, this value will be 0000.000.

**Notes:**                      -





## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 13A      **Item Name:** LRS Inventory Route Number

<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Classification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down <input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X...X(10)</b> <b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:**    This item identifies the State's Linear Referencing System (LRS) route number for the inventory route.

**Instructions:**    Enter the appropriate ten digit code manually for the LRS inventory route number. This value is not necessarily the same as that posted along the roadway, but is a number used to uniquely identify a route within at least a county or perhaps throughout the State.

The 10 digits may be letters or numbers, but may not contain blanks. Right justify this item with leading zeros, if necessary.

In Indiana, no LRS is currently in use. Therefore, code as 0000000001 if Item 12 has been coded as 1 (i.e., on Base Highway Network). Otherwise, leave blank.

**Notes:**            -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 13B      **Item Name:** LRS Inv. Subroute Number

<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Classification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies the subroute number for the inventory route.

**Instructions:** Enter the appropriate two digit code manually for the subroute number. This value is a number that uniquely identifies portions of an inventory route where duplicate milepoints occur.

For inventory routes with no subroute number, code as 00.

This 2 digit segment is right justified with a leading zero, if necessary.

In Indiana, no LRS is currently in use. Therefore, code as 00 if Item 12 has been coded as 1 (i.e., on Base Highway Network). Otherwise, leave blank.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 14      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**  Yes      **Toll Road:**  Yes

**INDOT:**  Yes      **County/Local:**  Yes

**Input Format:**  Drop-Down       Manual

**NBIS Underrec.:**  Yes

**Description:** -

**Instructions:** -

**Notes:** -

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## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 15      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**  Yes      **Toll Road:**  Yes

**INDOT:**  Yes      **County/Local:**  Yes

**Input Format:**  Drop-Down       Manual

**NBIS Underrec.:**  Yes

**Description:** -

**Instructions:** -

**Notes:** -

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## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	16	<b>Item Name:</b>	Latitude
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<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Identification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords (RO)	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX°XX'XX.XX"</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies the latitude of the bridge.

**Instructions:** Enter the latitude of the bridge in degrees, minutes, and seconds to the nearest hundredth of a second. The point of the coordinate should be the center of the bridge or any other consistent point of reference on the structure which is compatible with the LRS.

**Notes:** Three subparts are present: one for degrees, one for minutes, and one for seconds.



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 18      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**  Yes      **Toll Road:**  Yes

**INDOT:**  Yes      **County/Local:**  Yes

**Input Format:**  Drop-Down       Manual

**NBIS Underrec.:**  Yes

**Description:** -

**Instructions:** -

**Notes:** -

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## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

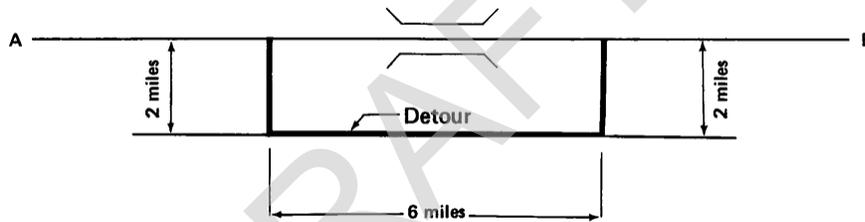
**Item Number:** 19                      **Item Name:** Detour Length

<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	XXX	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** Detour Length (continued)

**Instructions:** See the figure below for an example.



Additional travel from point A to point B  
Item 19 = 004 miles

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 19A                      **Item Name:** Bypass Detour Length

<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Age of Service	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down <input checked="" type="checkbox"/> Manual	
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:**    This item indicates the actual length, to the nearest mile, of the detour from the inventory route on the bridge.

**Instructions:**    Enter the appropriate detour length. The detour length should represent the total additional travel for a vehicle which would result from closing of the bridge.

The factor to consider when determining if a bypass is available at the site is the potential for moving vehicles, including military vehicles, around the structure. For instance, a bypass likely would be available in the case of diamond interchanges, interchanges where there are service roads available, or other interchanges where the positioning and layout of the ramps is such that they could be used without difficulty to get around the structure. If a ground level bypass is available at the structure site for the inventory route, record and code the detour length as 000.

If the bridge is one of twin bridges and is not at an interchange, code 001 where the other twin bridge can be used as a temporary bypass with a reasonable amount of crossover grading.

The detour route will be established following allowable criteria determined by the governing authority. Some authorities will not allow a designated detour over a road or bridge of lesser "quality".

Code 199 for 199 miles or more of detour.

**Notes:**            This item is used to calculate the Sufficiency Rating.



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	20	<b>Item Name:</b>	Toll
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Classification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords (RO)	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:**    This item indicates the toll status of the inventory route.

**Instructions:**    Enter the appropriate code for the toll status of the structure. Use one of the following codes:

- 1 - TOLL BRIDGE  
Tolls are paid specifically to use the structure.
- 2 - ON TOLL ROAD  
The structure carries a toll road; that is, tolls are paid to use the facility, which includes both highway and the structure.
- 3 - ON FREE ROAD  
The structure is toll-free and carries a toll-free highway.
- 4 - INTERSTATE TOLL SEGMENT  
Structure functions as part of the toll segment (i.e., part of the Interstate is a toll segment under Secretarial Agreement).
- 5 - TOLL BRIDGE ON SEPARATE SEGMENT  
Structure is separate agreement from Interstate highway segment (i.e., only the structure is a toll segment under Secretarial Agreement).

**Notes:**    -





## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	22	<b>Item Name:</b>	Owner
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<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Classification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item lists the actual name of the owner of the bridge.

**Instructions:** Enter the appropriate code representing the type of agency that is the primary owner of the structure. If more than one agency has equal ownership, code one agency in the hierarchy of State, Federal, county, city, railroad, and other private. Inspectors should attach to the Bridge File any documentation they may have for bridges with shared or unique responsibility.

- 01 - State Highway Agency
- 02 - County Highway Agency
- 03 - Town or Township Highway Agency
- 04 - City or Municipal Highway Agency
- 11 - State Park, Forest, or Reservation Agency
- 12 - Local Park, Forest, or Reservation Agency
- 21 - Other State Agencies
- 25 - Other Local Agencies
- 26 - Private (other than railroad)
- 27 - Railroad
- 31 - State Toll Authority
- 32 - Local Toll Authority
- 60 - Other Federal Agencies (not listed below)
- 61 - Indian Tribal Government
- 62 - Bureau of Indian Affairs
- 63 - Bureau of Fish and Wildlife
- 64 - U.S. Forest Service
- 66 - National Park Services
- 67 - Tennessee Valley Authority
- 68 - Bureau of Land Management
- 69 - Bureau of Reclamation
- 70 - Corps of Engineers (Civil)
- 71 - Corps of Engineers (Military)
- 72 - Air Force
- 73 - Navy/Marines

**Notes:** -



**INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory***

**Item Number:** 23      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**  Yes      **Toll Road:**  Yes

**INDOT:**  Yes      **County/Local:**  Yes

**Input Format:**  Drop-Down       Manual

**NBIS Underrec.:**  Yes

**Description:** -

**Instructions:** -

**Notes:** -

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**INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory***

**Item Number:** 24      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**  Yes      **Toll Road:**  Yes

**INDOT:**  Yes      **County/Local:**  Yes

**Input Format:**  Drop-Down       Manual

**NBIS Underrec.:**  Yes

**Description:** -

**Instructions:** -

**Notes:** -

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## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 25      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**  Yes      **Toll Road:**  Yes

**INDOT:**  Yes      **County/Local:**  Yes

**Input Format:**  Drop-Down       Manual

**NBIS Underrec.:**  Yes

**Description:** -

**Instructions:** -

**Notes:** -

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## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	26	<b>Item Name:</b>	Functional Class
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<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item codes the functional classification of the inventory route under the structure.

**Instructions:** Enter the appropriate code representing the functional classification of the inventory route.

(BLANK)

- 01 - RURAL - PRINCIPAL ARTERIAL - INTERSTATE
- 02 - RURAL - PRINCIPAL ARTERIAL - OTHER
- 06 - RURAL - MINOR ARTERIAL
- 07 - RURAL - MAJOR COLLECTOR
- 08 - RURAL - MINOR COLLECTOR
- 09 - RURAL - LOCAL
- 11 - URBAN - PRINCIPAL ARTERIAL - INTERSTATE
- 12 - URBAN - PRINCIPAL ARTERIAL - OTHER FREEWAY OR EXPRESSWAY
- 14 - URBAN - OTHER PRINCIPAL ARTERIAL
- 16 - URBAN - MINOR ARTERIAL
- 17 - URBAN - COLLECTOR
- 19 - URBAN - LOCAL

The distinction between urban and rural is determined by the location of the bridge rather than the nature of the roadway. Unless a bridge is within a designated urban area, it shall be considered rural.

Leave blank if no inventory route exists under the structure.

Note that Item 104 should be coded as 1 (inventory route on NHS) if the Functional Class is coded as 01, 02, 11, 12, or 14; otherwise Item 104 should be coded as 0 (inventory route not on NHS).

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 26A      **Item Name:** Functional Class - Over

<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Classification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item codes the functional classification of the inventory route over the structure.

**Instructions:** Enter the appropriate code representing the functional classification of the inventory route.

(BLANK)

- 01 - RURAL - PRINCIPAL ARTERIAL - INTERSTATE
- 02 - RURAL - PRINCIPAL ARTERIAL - OTHER
- 06 - RURAL - MINOR ARTERIAL
- 07 - RURAL - MAJOR COLLECTOR
- 08 - RURAL - MINOR COLLECTOR
- 09 - RURAL - LOCAL
- 11 - URBAN - PRINCIPAL ARTERIAL - INTERSTATE
- 12 - URBAN - PRINCIPAL ARTERIAL - OTHER FREEWAY OR EXPRESSWAY
- 14 - URBAN - OTHER PRINCIPAL ARTERIAL
- 16 - URBAN - MINOR ARTERIAL
- 17 - URBAN - COLLECTOR
- 19 - URBAN - LOCAL

The distinction between urban and rural is determined by the location of the bridge rather than the nature of the roadway. Unless a bridge is within a designated urban area, it shall be considered rural.

Leave blank if no inventory route exists over the structure.

Note that Item 104A should be coded as 1 (inventory route on NHS) if the Functional Class is coded as 01, 02, 11, 12, or 14; otherwise Item 104A should be coded as 0 (inventory route not on NHS).

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 26B      **Item Name:** Functional Class - Under

<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Classification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item codes the functional classification of the first inventory route under the structure.

**Instructions:** Enter the appropriate code representing the functional classification of the inventory route.

(BLANK)

- 01 - RURAL - PRINCIPAL ARTERIAL - INTERSTATE
- 02 - RURAL - PRINCIPAL ARTERIAL - OTHER
- 06 - RURAL - MINOR ARTERIAL
- 07 - RURAL - MAJOR COLLECTOR
- 08 - RURAL - MINOR COLLECTOR
- 09 - RURAL - LOCAL
- 11 - URBAN - PRINCIPAL ARTERIAL - INTERSTATE
- 12 - URBAN - PRINCIPAL ARTERIAL - OTHER FREEWAY OR EXPRESSWAY
- 14 - URBAN - OTHER PRINCIPAL ARTERIAL
- 16 - URBAN - MINOR ARTERIAL
- 17 - URBAN - COLLECTOR
- 19 - URBAN - LOCAL

The distinction between urban and rural is determined by the location of the bridge rather than the nature of the roadway. Unless a bridge is within a designated urban area, it shall be considered rural.

Leave blank if no inventory route exists under the structure.

Note that Item 104B should be coded as 1 (inventory route on NHS) if the Functional Class is coded as 01, 02, 11, 12, or 14; otherwise Item 104B should be coded as 0 (inventory route not on NHS).

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	27A	<b>Item Name:</b>	Year Built
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<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Main/Sub Tab:</b>	SI&A/Underrecords (RO)
<b>Main Tab/Sub Tab:</b>	SI&A/Age of Service	<b>Main/Sub Tab:</b>	-
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	Contract Number, Comments
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item records the year of construction of the structure.

**Instructions:** Enter all 4 digits of the year in which construction of the structure was completed. If the year built is unknown, provide a best estimate, and note as such.

If known, enter the construction contract number in the appropriate field.

Also include relevant information in the comments field as it pertains to the year of construction. For example, if a bridge was constructed in 2005 using recycled steel girders from another structure built in 1960, code item 27A as 2005, but note the situation in the comments field.

For INDOT bridges, if the Year Built listed is prior to 1970, then most likely it represents the year of contract letting rather than the actual year completed. This is because no bridge inspectors were available in the districts prior to 1970 to report when bridges were complete, so the contract letting date was tracked instead.

**Notes:** Equivalent to FHWA item 27.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 28 **Item Name:** Lanes On and Under the Structure

**Main Tab/Sub Tab:** Primary/General Inventory **Main/Sub Tab:** SI&A/Underrecords

**Main Tab/Sub Tab:** SI&A/All **Main/Sub Tab:** -

**Main Tab/Sub Tab:** SI&A/Age of Service **Misc. Fields:** -

**Main Tab/Sub Tab:** Load Rating/Struc. Data (1) **Misc. Fields:** -

**NBIS:**  Yes **Toll Road:**  Yes **Input Format:**  Drop-Down  Manual

**INDOT:**  Yes **County/Local:**  Yes **NBIS Underrec.:**  Yes

**Description:** This is a composite item composed of two segments: 28A and 28B. The segments identify the number of lanes "on" and "under" the structure.

**Instructions:** See the following pages for instructions regarding the component segments 28A and 28B.

**Notes:** This item is used to calculate the Sufficiency Rating.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 28A      **Item Name:** Lanes On Structure

**Main Tab/Sub Tab:** Primary/General Inventory      **Main/Sub Tab:** SI&A/Underrecords (RO)

**Main Tab/Sub Tab:** SI&A/All      **Main/Sub Tab:** -

**Main Tab/Sub Tab:** SI&A/Age of Service      **Misc. Fields:** -

**Main Tab/Sub Tab:** Load Rating/Struc. Data (1)      **Misc. Fields:** -

**NBIS:**  Yes      **Toll Road:**  Yes      **Input Format:**  Drop-Down       Manual

**INDOT:**  Yes      **County/Local:**  Yes      **XX**      **NBIS Underrec.:**  Yes

**Description:** This item records the number of lanes carried by the structure.

**Instructions:** Enter the 2-digit number from the drop-down list indicating the number of lanes carried by the structure.

Include all lanes carrying highway traffic (i.e., cars, trucks, buses) which are striped or otherwise operated as a full width traffic lane for the entire length of the structure by the owning/maintaining authority. This shall include any full width merge lanes and ramp lanes, and shall be independent of directionality of usage (e.g., a 1-lane bridge with 2-way traffic is still just 1 lane). The number of lanes should be right justified with a leading zero.

When the inventory route is "under" the structure, the obstruction over the inventory route may be other than a highway bridge (railroad, pedestrian, pipeline, etc.). Code 00 for these cases if there are no highway lanes on the obstructing structure.

Double deck bridges may be coded as 1 or 2 structures. Either method is acceptable; however, all related data must be compatible with the method selected.

Note that many other items are related to this field, and they must all be properly coded and consistent with this item (e.g., 5, 10A, 47A, 47B).

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 28B      **Item Name:** Lanes Under Structure

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Age of Service	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords (RO)	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item records the total number of lanes under the structure.

**Instructions:** Enter the 2-digit number from the drop-down list indicating the total number of lanes under the structure (for all inventory routes combined).

Include all lanes carrying highway traffic (i.e., cars, trucks, buses) which are striped or otherwise operated as a full width traffic lane for the entire length of the structure by the owning/maintaining authority. This shall include any full width merge lanes and ramp lanes, and shall be independent of directionality of usage (e.g., 1-lane road used for 2-way traffic is still just 1 lane). The number of lanes should be right justified with a leading zero.

Note that many other items are related to this field, and they must all be properly coded and consistent with this item (e.g., 5, 5A, 10, 10B, 47C, 47D).

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	29A	<b>Item Name:</b>	ADT - Over
---------------------	-----	-------------------	------------

<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Age of Service	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	XXXXXX	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item indicates the average daily traffic volume for the inventory route "on" the structure.

**Instructions:** Code a 6-digit number that shows the average daily traffic volume for the inventory route "on" the structure. This value must be right justified with leading zeros.

The ADT coded should be the most recent ADT counts available. Included in this item are the trucks referred to in item 109 - Average Daily Truck Traffic. If the bridge is closed, code the actual ADT from before the closure occurred.

For INDOT routes only, see the following website:  
<http://dotmaps.indot.in.gov/apps/trafficcounts>

**Notes:** This item is used to calculate the Sufficiency Rating.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 29B                      **Item Name:** ADT - Under

<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Age of Service	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	XXXXXX	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item indicates the average daily traffic volume for the first inventory route "under" the structure.

**Instructions:** Code a 6-digit number that shows the average daily traffic volume for the first inventory route "under" the structure. This value must be right justified with leading zeros.

The ADT coded should be the most recent ADT counts available. Included in this item are the trucks referred to in item 109 - Average Daily Truck Traffic.

For INDOT routes only, see the following website:  
<http://dotmaps.indot.in.gov/apps/trafficcounts>

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	30A	<b>Item Name:</b>	Year of ADT - Over
---------------------	-----	-------------------	--------------------

<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Age of Service	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item indicates the year represented by ADT in item 29A.

**Instructions:** Enter all 4 digits of the year in which ADT of the inventory route "on" the structure was recorded.

The recorded year should be within 8 years of the current year (i.e., ADT data should be the most recent available, and no more than 8 years old).

DRAFT

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 30B                      **Item Name:** Year of ADT - Under

**Main Tab/Sub Tab:** SI&A/All                      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Age of Service                      **Misc. Fields:** -

**Main Tab/Sub Tab:** -                      **Misc. Fields:** -

**Main Tab/Sub Tab:** -                      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item indicates the year represented by ADT in item 29B.

**Instructions:** Enter all 4 digits of the year in which ADT of the first inventory route “under” the structure was recorded.

The recorded year should be within 8 years of the current year (i.e., ADT data should be the most recent available, and no more than 8 years old).

DRAFT

**Notes:** -





## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 32      **Item Name:** Approach Roadway Width

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Geometric	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

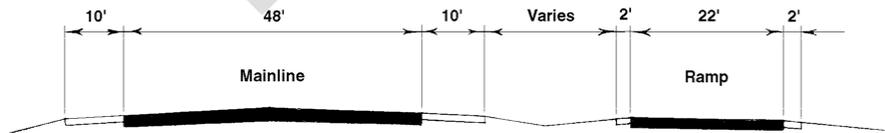
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	XXX.X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Approach Roadway Width (continued)

**Instructions:** See the figures below for examples.



Item 32 = 096.0 feet



Item 32 = 094.0 feet

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 33                      **Item Name:** Bridge Median

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Geometric	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Bridge Median (continued)

**Instructions:** See the figures below for examples.



Open Median  
Item 33 = 1



Closed Median  
Item 33 = 2



Closed Median with Non-mountable Barrier  
Item 33 = 3

**Notes:** -











## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 36 **Item Name:** Traffic Safety Features

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Appraisal	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes	

**Description:** Traffic Safety Features (continued)

**Instructions:** The table below gives an overview of bridge railings, transitions, and guardrails associated with crash Test Level 4. Design speed typically should not exceed 65 mph for routes with these barriers.

Railing Designation	FC	TR ***	CF-1	PS-1	PF-1
Height Designation	Common	Common	Common	Pedestrian	Truck
Mounting Location	Flush with bridge deck	On existing concrete parapet	Flush with bridge deck	Atop sidewalk of minimum 5 ft width	Flush with bridge deck
Railing Element	Concrete, shape F	Three beam with steel posts	2 steel tubes with steel posts on concrete curb	1 steel tube with steel posts on concrete parapet	1 steel tube with steel posts on concrete parapet
Total Height	2'-9"	2'-10"	2'-11"	3'-6"	4'-2"
Br. Rlg. Standard Drawings	706-BCBR-01, -03, and -04	706-TBRC-01, -02, -03; -TBRE-01; -TBRF-01, -02	706-BRTM-01 and -02	706-BRPP-03, and -05, -06	706-BRPP-01, and -05, -06
Bridge Railing Transition	TBC	none	none	TPS-1	TPF-1
Br. Rlg. Trans. Standard Drawings	706-CBRT-01 through -03	n/a	n/a	706-TTBP-05 and -06	706-TTBP-01 and -02
Guardrail Transition	TGB	TGB	TGT	TGB	TGB
Gdrl. Trans. Standard Drawings	601-TTGB-01 through -05	601-TTGB-01 through -05	601-TTGT-01 and -02	601-TTGB-01 through -05	601-TTGB-01 through -05

\*\*\* Bridge railing type TR should be used only to replace existing aluminum bridge railing where no other modifications to a bridge are to be made, either as a spot improvement or within the limits of a 3R or 4R project.

### BRIDGE-RAILING TYPES (Test Level 4)

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 36A                      **Item Name:** TSF - Bridge Railings

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Appraisal	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies whether bridge railings are required and, if so, meet the current safety standards.

**Instructions:** Enter the appropriate one digit code from the drop-down menu for bridge railings.

0 - DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED

1 - MEETS CURRENT SAFETY STANDARDS

N - FEATURE NOT REQUIRED

Some factors that affect the proper functioning of bridge railing are height, material, strength, geometric features, and type of road. Railings must be capable of smoothly redirecting an impacting vehicle. Bridge railings should be evaluated using the current AASHTO Standard Specifications for Highway Bridges, which calls for railings to meet specific geometric criteria and to resist specified static loads without exceeding the allowable stresses in their elements. Bridge railings should be crash tested per FHWA policy; railings that have been successfully crash-tested are considered acceptable even though they may not meet the static loading analysis and geometric requirements.

See the following figures for information on bridge railing types and ratings.

**Notes:** -

# INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 36A      **Item Name:** TSF – Bridge Railings

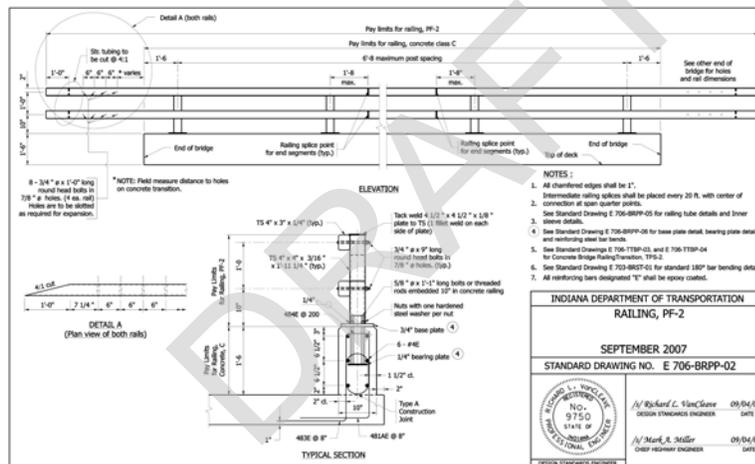
**Main Tab/Sub Tab:** Primary/General Inventory      **Misc. Fields:** -  
**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -  
**Main Tab/Sub Tab:** SI&A/Appraisal      **Misc. Fields:** -  
**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**  Yes      **Toll Road:**  Yes      **Input Format:**  Drop-Down       Manual  
**INDOT:**  Yes      **County/Local:**  Yes      **X**      **NBIS Underrec.:**  Yes

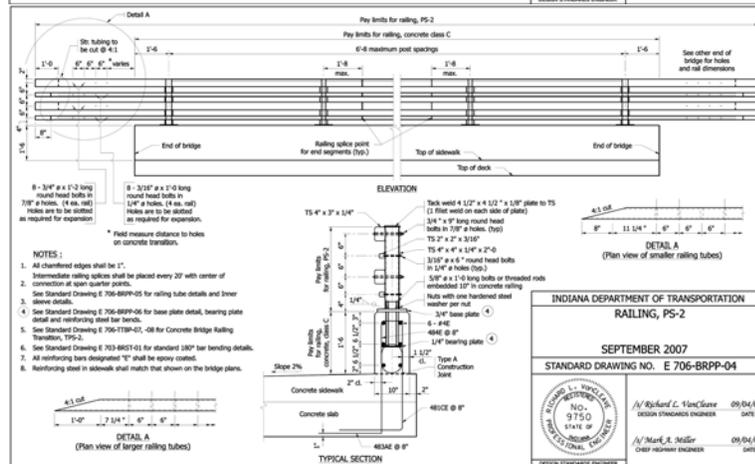
**Description:** Traffic Safety Features – Bridge Railings (continued)

**Instructions:** The figures below give examples of bridge railings associated with crash Test Level 2. Design speed typically should not exceed 45 mph for routes with these barriers.

Type PF-2



Type PS-2



**Notes:** -

# INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 36A      **Item Name:** TSF – Bridge Railings

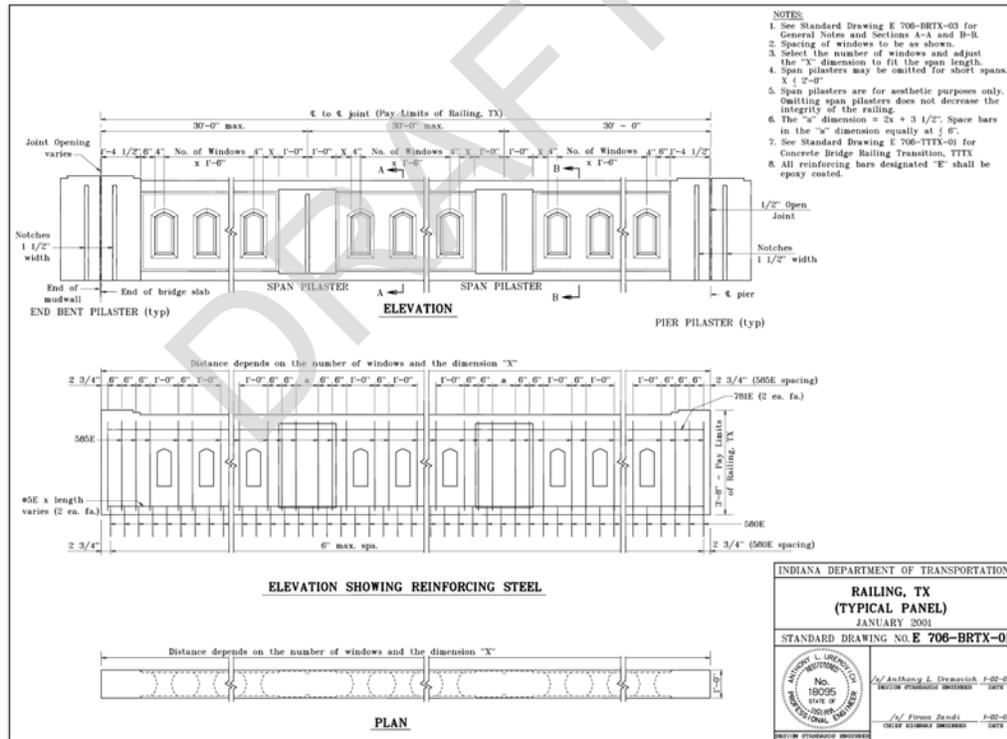
<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Appraisal	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Traffic Safety Features – Bridge Railings (continued)

**Instructions:** The figures below give examples of bridge railings associated with crash Test Level 2. Design speed typically should not exceed 45 mph for routes with these barriers.

Type TX



**Notes:** -

# INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 36A      **Item Name:** TSF – Bridge Railings

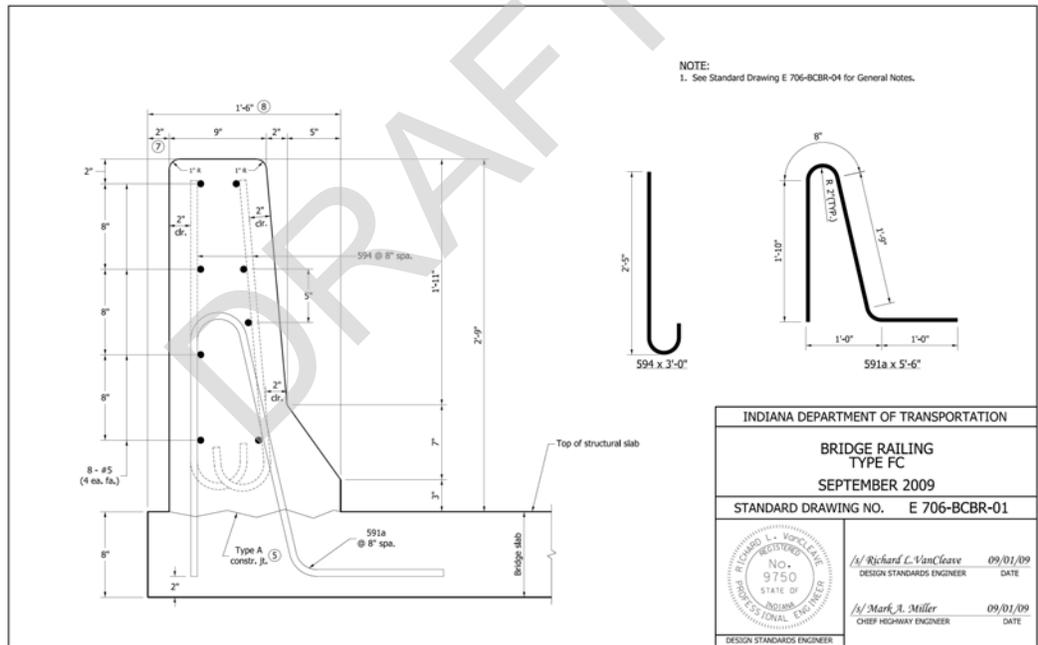
<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Appraisal	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Traffic Safety Features – Bridge Railings (continued)

**Instructions:** The figures below give examples of bridge railings associated with crash Test Level 4. Design speed typically should not exceed 65 mph for routes with these barriers.

Type FC



**Notes:** -





# INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 36A      **Item Name:** TSF – Bridge Railings

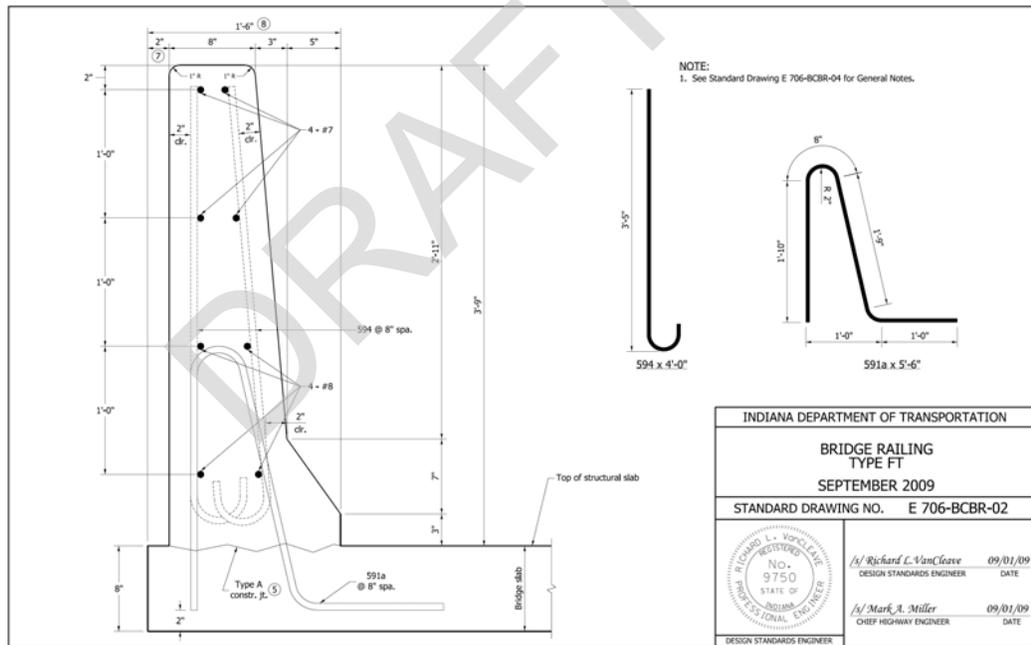
<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Appraisal	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Traffic Safety Features – Bridge Railings (continued)

**Instructions:** The figures below give examples of bridge railings associated with crash Test Level 5. Design speed typically should not exceed 65 mph for routes with these barriers.

Type FT



**Notes:** -





# INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 36B      **Item Name:** TSF - Transitions

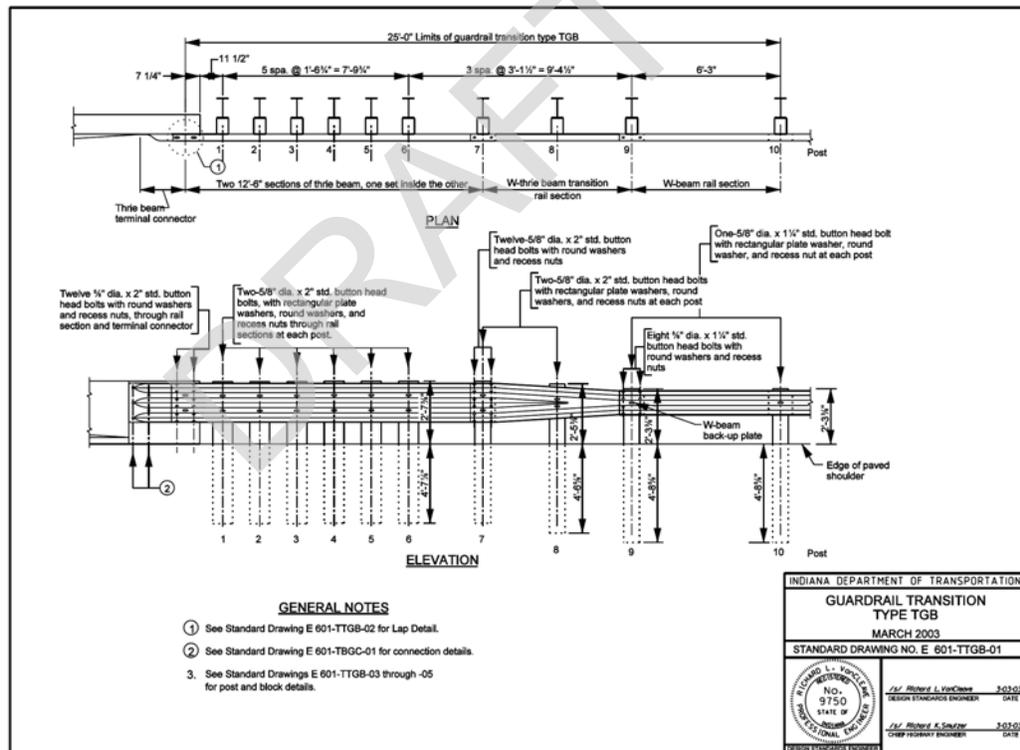
<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Appraisal	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

NBIS: <input checked="" type="checkbox"/> Yes	Toll Road: <input checked="" type="checkbox"/> Yes	Input Format: <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
INDOT: <input checked="" type="checkbox"/> Yes	County/Local: <input checked="" type="checkbox"/> Yes	X	NBIS Underrec.: <input type="checkbox"/> Yes

**Description:** Traffic Safety Features – Transitions (continued)

**Instructions:** The figures below give examples of guardrail transitions.

Type TGB



**Notes:** -

# INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 36B      **Item Name:** TSF - Transitions

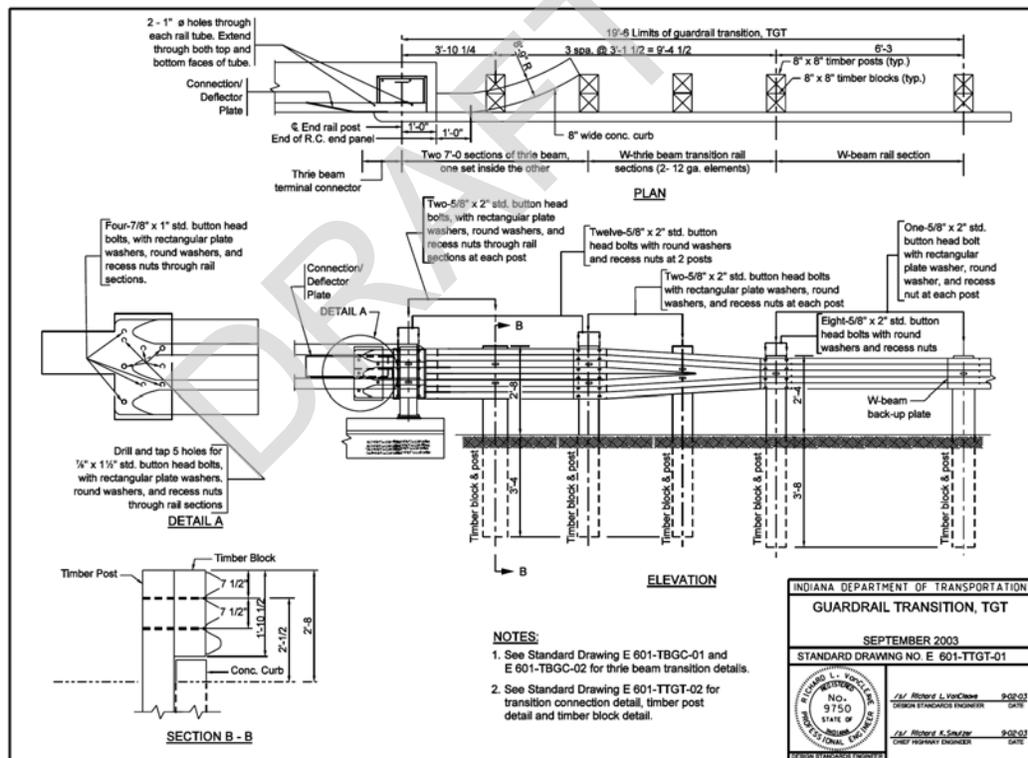
<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Appraisal	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Traffic Safety Features – Transitions (continued)

**Instructions:** The figures below give examples of guardrail transitions.

Type TGT



**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 36D                      **Item Name:** TSF – App. Traffic Barrier Ends

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Appraisal	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies whether approach traffic barrier ends are required and, if so, meet the current safety standards.

**Instructions:** Enter the appropriate one digit code from the drop-down menu for approach guardrail ends.

- 0 - DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED
- 1 - MEETS CURRENT SAFETY STANDARDS
- N - FEATURE NOT REQUIRED

The ends of approach guardrails to bridges should be flared, buried, made breakaway, or shielded. Design treatment of guardrail ends is given in the AASHTO Roadside Design Guide.

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 38                      **Item Name:** Navigation Control

<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Navigation	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item indicates whether or not navigation control is required. Basically, this depends on whether or not the U.S. Coast Guard or Army Corps of Engineers consider the waterway to be navigable.

**Instructions:** Enter the appropriate code from the drop-down menu to indicate whether a bridge permit for navigation is required. This means that if a structure controls or limits navigation by crossing a navigable stream, a permit is required by its construction.

- N - Not applicable
- 0 - No Navigation Control on waterway
- 1 - Navigation Control on waterway

If this item is coded 1, item 39 (Navigation Vertical Clearance) and item 40 (Navigation Horizontal Clearance) must be coded with the appropriate clearance data (not zeros).

If there is no waterway, code as N.

See the following list of navigable waterways in Indiana as defined by the U.S. Army Corps of Engineers. If the bridge crosses one of these waterways, code as 1; otherwise, code 0.

U.S. ARMY CORPS OF ENGINEERS  
LOUISVILLE DISTRICT:  
(OHIO RIVER AND TRIBUTARIES)

Ohio River Mile	Stream Name	Length Above Mouth (miles)
	Ohio River	Entire Length
494.2	Tanners Creek	10.6
495.8	Wilson Creek	1.9
496.7	Hogan Creek	0.4
	North Hogan Creek (Tributary to Hogan Creek)	4.9
	South Hogan Creek (Tributary to Hogan Creek)	5.0

**Notes:** For Coast Guard & USACE.

















## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 41      **Item Name:** Struc. Open, Posted, Closed

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Rating      **Misc. Fields:** -

**Main Tab/Sub Tab:** Load Rating/Struc. Data (1)      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item provides information about the actual operational status of the structure.

**Instructions:** Enter the appropriate code from the drop-down menu for the operational status of the structure.

- A - OPEN  
No restrictions.
- B - OPEN, POSTING REQUIRED  
Posting recommended but not legally implemented (all signs not in place or not correctly implemented). Federal Bridge Funds can be withheld if posting is not implemented.
- D - OPEN, TEMPORARY SHORING  
Structure would be posted or closed except for temporary shoring, etc. to allow for unrestricted traffic. If item 103 is coded T, this item (41) must be coded D.
- E - OPEN, TEMPORARY STRUCTURE  
Temporary structure in place to carry legal loads while original structure is closed and awaiting replacement or rehabilitation.
- G - NEW BRIDGE, NOT OPEN YET  
Code as G as soon as a bridge closes for construction. As soon as the construction is complete the bridge must be reinspected and the coding changed for item 41.
- K - CLOSED  
Permanent closure only; the date of closure must be recorded.
- P - POSTED FOR LOAD  
May include other restrictions such as temporary bridges which are load posted. The date of posting must be recorded.
- R - POSTED FOR OTHER THAN LOAD  
Posted for other load-capacity restrictions (speed, number of vehicles on bridge, narrow bridge, one-lane bridge, vertical clearance, etc.). See item 41X.

Note that the field review could show that the structure is posted, but item 70 - Bridge Posting may indicate that posting is not required. This is possible and acceptable coding since item 70 is based on the operating stress level and the governing agency's posting procedures may specify posting at some stress level less than the operating rating.

**Notes:** It is recommended that comments and a date be added for codes B, D, E, G, K, P, and R.



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 42A      **Item Name:** Type of Service On Bridge

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Age of Service      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Underrecords (RO)      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies the type of service "on" the structure.

**Instructions:** Enter the appropriate code from the drop-down menu for the type of service on the structure.

- 0 - OTHER
- 1 - HIGHWAY
- 2 - RAILROAD
- 3 - PEDESTRIAN/BICYCLE
- 4 - HIGHWAY/RAILROAD
- 5 - HIGHWAY/PEDESTRIAN
- 6 - OVERPASS (SECOND LEVEL INTERCHANGE)
- 7 - THIRD LEVEL INTERCHANGE
- 8 - FOURTH LEVEL INTERCHANGE
- 9 - BUILDING OR PLAZA

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 42B      **Item Name:** Type of Service Under Bridge

<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Age of Service	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Underrecords (RO)	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies the type of service "under" the structure.

**Instructions:** Enter the appropriate code from the drop-down menu for the type of service under the structure.

- 0 - OTHER
- 1 - HIGHWAY
- 2 - RAILROAD
- 3 - PEDESTRIAN/BICYCLE
- 4 - HIGHWAY/RAILROAD
- 5 - WATERWAY
- 6 - HIGHWAY/WATERWAY
- 7 - RAILROAD/WATERWAY
- 8 - HIGHWAY/WATERWAY/RAILROAD
- 9 - RELIEF FOR WATERWAY

Note that cases of HIGHWAY/PEDESTRIAN should be coded as 1 for HIGHWAY.

Examples of code 9 (RELIEF FOR WATERWAY) might include muck pockets – small ponds of water with no flow.

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 43A      **Item Name:** Main Struc. Material/Design

**Main Tab/Sub Tab:** SI&A/Underrecords (RO)      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item indicates the kind of material/design for the main span(s).

**Instructions:** The appropriate code should already be selected from the drop-down menu for the kind of material and/or design.

- 1 - CONCRETE
- 2 - CONCRETE CONTINUOUS
- 3 - STEEL
- 4 - STEEL CONTINUOUS
- 5 - PRESTRESSED CONCRETE
- 6 - PRESTRESSED CONCRETE CONTINUOUS
- 7 - WOOD OR TIMBER
- 8 - MASONRY
- 9 - ALUMINUM, WROUGHT IRON, OR CAST IRON
- 0 - OTHER

Note that post-tensioned concrete and precast, pre-tensioned concrete are both types of prestressed concrete and should be coded as such.

**Notes/Issues:** This matches FHWA numbering, but different number (43A.01) is used in Primary/Gen. Inv., SI&A/All and SI&A/Struc. Data Tabs.

**Questions:** Why isn't labeling consistent? Ideally, instead of 43A.01, 43A should be used in all tabs since it matches the FHWA Coding Guide.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 43B      **Item Name:** Main Struc. Design/Const.

**Main Tab/Sub Tab:** SI&A/Underrecords (RO)      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item indicates the type of design/construction for the main span(s).

**Instructions:** The appropriate code should already be selected from the drop-down menu for the type of design/construction.

- 01 - SLAB
- 02 - STRINGER/MULTI-BEAM OR GIRDER
- 03 - GIRDER AND FLOORBEAM SYSTEM
- 04 - TEE BEAM
- 05 - BOX BEAM OR GIRDERS - MULTIPLE
- 06 - BOX BEAM OR GIRDERS - SINGLE OR SPREAD
- 07 - FRAME (EXCEPT FRAME CULVERTS)
- 08 - ORTHOTROPIC
- 09 - TRUSS - DECK
- 10 - TRUSS - THRU
- 11 - ARCH - DECK
- 12 - ARCH - THRU
- 13 - SUSPENSION
- 14 - STAYED GIRDER
- 15 - MOVABLE - LIFT
- 16 - MOVABLE - BASCULE
- 17 - MOVABLE - SWING
- 18 - TUNNEL
- 19 - CULVERT (INCLUDES FRAME CULVERTS)
- 20 - MIXED TYPES (APPROACH ONLY)
- 21 - SEGMENTAL BOX GIRDER
- 22 - CHANNEL BEAM
- 00 - OTHER

Note that a code of 20 is applicable only to approach spans (see item 44A.02).

**Notes/Issues:** This matches FHWA numbering, but different number (43A.02) is used in Primary/Gen. Inv., SI&A/All and SI&A/Struc. Data Tabs.

**Questions:** Why isn't labeling consistent? Ideally, instead of 43A.02, 43B should be used in all tabs since it matches the FHWA Coding Guide.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 43A      **Item Name:** Structure Type - Main Spans

**Main Tab/Sub Tab:** Primary/General Inventory      **Misc. Fields:** Check Box: Variable Depth

**Main Tab/Sub Tab:** Primary/General Inventory      **Misc. Fields:** Check Boxes: Continuous & Curved

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Struc. Data      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes	

**Description:** This is a composite item composed of three segments: 43A.01, 43A.02, and 43A.03. The segments identify the structure type of the main span(s).

**Instructions:** See the following pages for instructions regarding the component segments 43A.01, 43A.02, and 43A.03.

DRAFT

**Notes/Issues:** This has three subfields: the first two correspond to FHWA coding items (43A and 43B) and must be submitted with inventory records (over and under) while the third is not required for FHWA.

**Questions:** Why isn't labeling consistent? Ideally, instead of 43A.01 and 43A.02, 43A and 43B should be used in all tabs since they match the FHWA Coding Guide.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 43A.01      **Item Name:** Material/Design - Main Spans

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Struc. Data	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item indicates the kind of material/design for the main span(s).

**Instructions:** Enter the appropriate code from the drop-down menu for the kind of material/design.

- 1 - CONCRETE
- 2 - CONCRETE CONTINUOUS
- 3 - STEEL
- 4 - STEEL CONTINUOUS
- 5 - PRESTRESSED CONCRETE
- 6 - PRESTRESSED CONCRETE CONTINUOUS
- 7 - WOOD OR TIMBER
- 8 - MASONRY
- 9 - ALUMINUM, WROUGHT IRON, OR CAST IRON
- 0 - OTHER

Note that post-tensioned concrete and precast, pre-tensioned concrete are both types of prestressed concrete and should be coded as such.

**Notes/Issues:** Equivalent to 43A in FHWA Coding Guide. This item is used to calculate the Sufficiency Rating.

**Questions:** Why isn't labeling consistent? Ideally, instead of 43A.01, 43A should be used in all tabs since it matches the FHWA Coding Guide.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 43A.02      **Item Name:** Type/Construction - Main Spans

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Struc. Data	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item indicates the type of design/construction for the main span(s).

**Instructions:** Enter the appropriate code from the drop-down menu for the type of design/construction.

- 01 - SLAB
- 02 - STRINGER/MULTI-BEAM OR GIRDER
- 03 - GIRDER AND FLOORBEAM SYSTEM
- 04 - TEE BEAM
- 05 - BOX BEAM OR GIRDERS - MULTIPLE
- 06 - BOX BEAM OR GIRDERS - SINGLE OR SPREAD
- 07 - FRAME (EXCEPT FRAME CULVERTS)
- 08 - ORTHOTROPIC
- 09 - TRUSS - DECK
- 10 - TRUSS - THRU
- 11 - ARCH - DECK
- 12 - ARCH - THRU
- 13 - SUSPENSION
- 14 - STAYED GIRDER
- 15 - MOVABLE - LIFT
- 16 - MOVABLE - BASCULE
- 17 - MOVABLE - SWING
- 18 - TUNNEL
- 19 - CULVERT (INCLUDES FRAME CULVERTS)
- 20 - MIXED TYPES (APPROACH ONLY)
- 21 - SEGMENTAL BOX GIRDER
- 22 - CHANNEL BEAM
- 00 - OTHER

Note that a code of 20 is applicable only to approach spans (see item 44A.02).

**Notes/Issues:** Equivalent to 43B in FHWA Coding Guide. This item is used to calculate the Sufficiency Rating.

**Questions:** Why isn't labeling consistent? Ideally, instead of 43A.02, 43B should be used in all tabs since it matches the FHWA Coding Guide.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 43A.03      **Item Name:** Add. Letter Desig. Main Spans

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Struc. Data	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item provides an additional letter designation to help identify the design/construction for the main span(s) when there are multiple choices for a particular type of construction.

**Instructions:** Enter the appropriate letter designation. This will be either blank or one of the following: A, B, C, D, E, F, G, H, I.

Note that in many cases it will be easier to avoid directly coding 43A.01, 43A.02, and 43A.03 altogether and instead select a code from the drop-down menu of Main Structure Type (English), item 43B. See the instructions for item 43B, which explain the meaning of various material/design/construction acronyms. These acronyms, when selected from the drop-down menu for 43B, will automatically code the appropriate combination of digits in 43A.01 (material/design), 43A.02 (design/construction), and 43A.03 (additional descriptor for design/construction). Of course, if segments 43A.01, 43A.02, and 43A.03 are coded properly separately, then it is not necessary to code item 43B as that will automatically update.

**Notes/Issues:** -

**Questions:** Why is this manual entry rather than a dropdown?

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 44A      **Item Name:** Struc. Type - Approach Spans

**Main Tab/Sub Tab:** Primary/General Inventory      **Misc. Fields:** Check Box: Variable Depth

**Main Tab/Sub Tab:** Primary/General Inventory      **Misc. Fields:** Check Boxes: Continuous & Curved

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Struc. Data      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes	

**Description:** This is a composite item composed of three segments: 44A.01, 44A.02, and 44A.03. The segments identify the structure type for the approach span(s).

**Instructions:** See the following pages for instructions regarding the component segments 44A.01, 44A.02, and 44A.03.

DRAFT

**Notes:** This has three subfields: the first two correspond to FHWA coding items (44A and 44B) and must be submitted with inventory records (over only) while the third is not required for FHWA.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 44A.01      **Item Name:** Mat./Design - Approach Spans

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Struc. Data	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item indicates the kind of material/design for the approach span(s).

**Instructions:** Enter the appropriate code from the drop-down menu for the kind of material/design.

- 1 - CONCRETE
- 2 - CONCRETE CONTINUOUS
- 3 - STEEL
- 4 - STEEL CONTINUOUS
- 5 - PRESTRESSED CONCRETE
- 6 - PRESTRESSED CONCRETE CONTINUOUS
- 7 - WOOD OR TIMBER
- 8 - MASONRY
- 9 - ALUMINUM, WROUGHT IRON, OR CAST IRON
- 0 - OTHER

Note that post-tensioned concrete and precast, pre-tensioned concrete are both types of prestressed concrete and should be coded as such.

Code 0 if there is no approach span.

If material type varies, code the most predominant.

**Notes:** Equivalent to 44A in FHWA Coding Guide.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 44A.02      **Item Name:** Type/Const.- Approach Spans

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Struc. Data	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item indicates the type of design/construction for the approach span(s).

**Instructions:** Enter the appropriate code for the type of design/construction.

- 01 - SLAB
- 02 - STRINGER/MULTI-BEAM OR GIRDER
- 03 - GIRDER AND FLOORBEAM SYSTEM
- 04 - TEE BEAM
- 05 - BOX BEAM OR GIRDERS - MULTIPLE
- 06 - BOX BEAM OR GIRDERS - SINGLE OR SPREAD
- 07 - FRAME (except frame culverts)
- 08 - ORTHOTROPIC
- 09 - TRUSS - DECK
- 10 - TRUSS - THRU
- 11 - ARCH - DECK
- 12 - ARCH - THRU
- 13 - SUSPENSION
- 14 - STAYED GIRDER
- 15 - MOVABLE - LIFT
- 16 - MOVABLE - BASCULE
- 17 - MOVABLE - SWING
- 18 - TUNNEL
- 19 - CULVERT (includes frame culverts)
- 20 - MIXED TYPES
- 21 - SEGMENTAL BOX GIRDER
- 22 - CHANNEL BEAM
- 00 - OTHER

Code 00 if there is no approach span. If more than one approach type exists, code the primary (most predominant) type of design/construction. If no one type of design/construction is predominant, it is permissible to code 20. However, INDOT prefers that one type be chosen and all types listed in a comment with item 44C coded Y for Yes.

**Notes:** Equivalent to 44B in FHWA Coding Guide.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 44A.03      **Item Name:** Add. Letter Desig. App. Spans

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Struc. Data	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item provides an additional letter designation to help identify the design/construction for the approach span(s) when there are multiple choices for a particular type of construction.

**Instructions:** Enter the appropriate letter designation. This will be either blank or one of the following: A, B, C, D, E, F, G, H, I.

Note that in many cases it will be easier to avoid directly coding 44A.01, 44A.02, and 44A.03 altogether and instead select a code from the drop-down menu of Approach Structure Type (English), item 44B. See the instructions for item 44B, which explain the meaning of various material/design/construction acronyms. These acronyms, when selected from the drop-down menu for 44B, will automatically code the appropriate combination of digits in 44A.01 (material/design), 44A.02 (design/construction), and 44A.03 (additional descriptor for design/construction). Of course, if segments 44A.01, 44A.02, and 44A.03 are coded properly separately, then it is not necessary to code item 44B as that will automatically update.

**Notes/Issues:** -

**Questions:** Why is this manual entry rather than a dropdown?





## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 47 **Item Name:** Inv. Route, Total Horiz. Clear.

**Main Tab/Sub Tab:** Primary/General Inventory **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Underrecords **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/All **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Geometric **Misc. Fields:** -

**NBIS:**  Yes **Toll Road:**  Yes

**Input Format:**  Drop-Down  Manual

**INDOT:**  Yes **County/Local:**  Yes

**NBIS Underrec.:**  Yes

**Description:** This is a composite item composed of four segments: 47A, 47B, 47C, and 47D. The segments indicate the total horizontal clearance for the movement of wide loads.

**Instructions:** See the following pages for instructions regarding the component segments 47A, 47B, 47C, and 47D.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 47A      **Item Name:** Total Horizontal Clearance E/N

<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	XXX.X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies the minimum horizontal clearance under the bridge, if applicable, for the eastbound or northbound inventory route.

**Instructions:** Record the minimum horizontal clearance for the eastbound or northbound inventory route under the structure. The value for this item should be recorded as a 4 digit number truncated to the tenth of a foot. Right justify with leading zeros, as required. For example: 044.0 feet.

Note that if the inventory route is not a dual roadway (separated roads in two directions), the eastbound/northbound distinction is not relevant. A mountable median does not count as dual roadway separation. If not a dual roadway, code the inventory route as a single roadway.

Clearance should be measured in two ways, whichever gives the most restrictive result.

1. Clear distance between restrictive features such as curbs, rails, walls, piers, and other structural features limiting the roadway surface (including shoulders). Flush and mountable medians do not count; only non-mountable medians would count as curbs. Inspectors shall record how this dimension is measured (e.g., curb-to-curb or rail-to-rail). On flared structures, a note is required that describes the minimum and maximum clearances and where they are located.
2. Clear distance to adjacent roadway surfaces (including shoulders).

If the clearance is 1000 feet or more, code 999.9.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

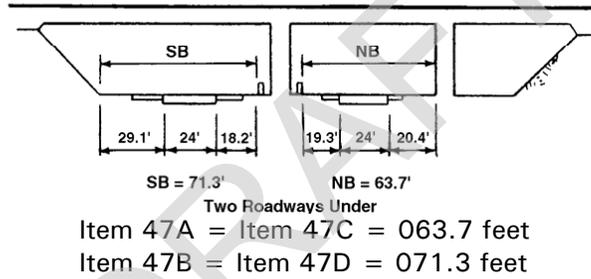
**Item Number:** 47A      **Item Name:** Total Horizontal Clearance E/N

<b>Main Tab/Sub Tab:</b> SI&A/Underrecords	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX.X</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** Total Horizontal Clearance, Eastbound / Northbound (continued)

**Instructions:** See the figure below for examples.



**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 47A                      **Item Name:** Total Horiz. Clear. Over E/N

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Geometric	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX.X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies the minimum horizontal clearance, if applicable, for the eastbound or northbound inventory route on the structure.

**Instructions:** Record the minimum horizontal clearance for the eastbound or northbound inventory route on the bridge. The value for this item should be recorded as a 4 digit number truncated to the tenth of a foot. Right justify with leading zeros, as required. For example: 044.0 feet.

Note that if the inventory route is not a dual roadway (separated roads in two directions), the eastbound/northbound distinction is not relevant. A mountable median does not count as dual roadway separation. If not a dual roadway, code the inventory route as a single roadway. Also, for double-deck structures with unique bridge numbers, each bridge would have its horizontal clearance coded in 47A as a single roadway.

Clearance should be measured in two ways, whichever gives the most restrictive result.

1. Clear distance between restrictive features such as curbs, rails, walls, piers, and other structural features limiting the roadway surface (including shoulders). Flush and mountable medians do not count; only non-mountable medians would count as curbs. Inspectors shall record how this dimension is measured (e.g., curb-to-curb or rail-to-rail). On flared structures, a note is required that describes the minimum and maximum clearances and where they are located.
2. Clear distance to adjacent roadway surfaces (including shoulders).

If the clearance is 1000 feet or more, code 999.9.

**Notes/Issues:** Confusing to have 47A for both underrecord and overrecord; strongly suggest renaming 47A to 47C for underrecords and leaving 47A for overrecord.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 47A      **Item Name:** Total Horiz. Clear. Over E/N

**Main Tab/Sub Tab:** Primary/General Inventory      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

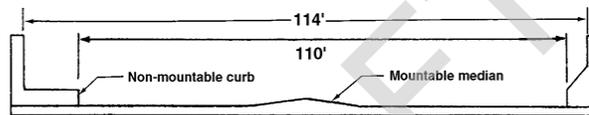
**Main Tab/Sub Tab:** SI&A/Geometric      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

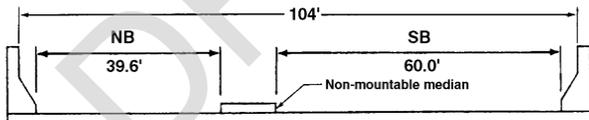
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX.X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Total Horizontal Clearance, Over Eastbound / Northbound (continued)

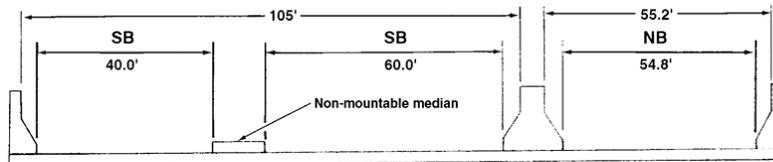
**Instructions:** See the figures below for examples.



One Roadway On  
 Item 47A = 110.0 feet  
 Item 47B = Blank



Two Roadways On  
 Item 47A = 039.6 feet  
 Item 47B = 060.0 feet



More Than Two Roadways On  
 Item 47A = 054.8 feet  
 Item 47B = 060.0 feet (maximum SB single roadway width)

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

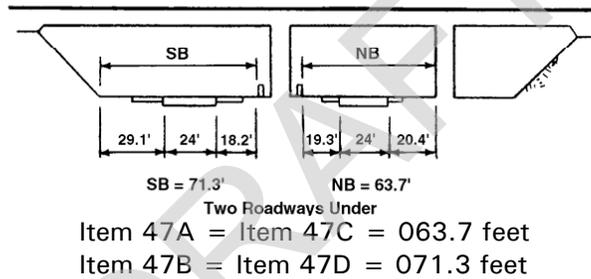
**Item Number:** 47B      **Item Name:** Total Horiz. Clearance W/S

<b>Main Tab/Sub Tab:</b> SI&A/Underrecords	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX.X</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** Total Horizontal Clearance, Westbound / Southbound (continued)

**Instructions:** See the figure below for examples.



**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

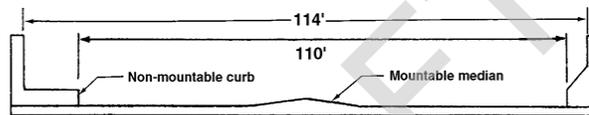
**Item Number:** 47B      **Item Name:** Total Horiz. Clear. Over W/S

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Geometric	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

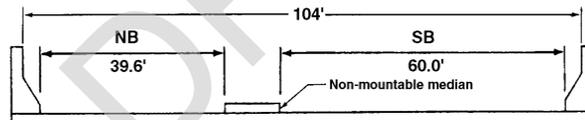
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX.X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Total Horizontal Clearance, Over Westbound / Southbound (continued)

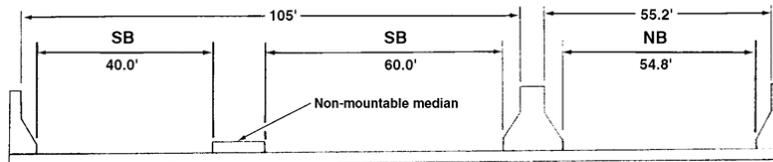
**Instructions:** See the figures below for examples.



One Roadway On  
 Item 47A = 110.0 feet  
 Item 47B = Blank



Two Roadways On  
 Item 47A = 039.6 feet  
 Item 47B = 060.0 feet



More Than Two Roadways On  
 Item 47A = 054.8 feet  
 Item 47B = 060.0 feet (maximum SB single roadway width)

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

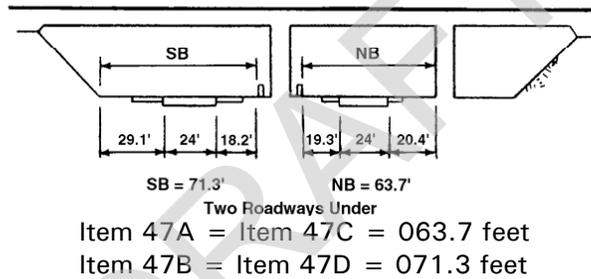
**Item Number:** 47C      **Item Name:** Tot. Horiz. Clr. (1<sup>st</sup> Under) E/N

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Geometric	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX.X</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** Total Horizontal Clearance, 1<sup>st</sup> Under-Record Eastbound / Northbound (continued)

**Instructions:** See the figure below for examples.



**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 47D **Item Name:** Tot. Horz. Clr. (1<sup>st</sup> Under) W/S

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Geometric	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX.X</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies the minimum horizontal clearance, if applicable, for the first westbound or southbound inventory route under the bridge.

**Instructions:** Record the minimum horizontal clearance for the first westbound or southbound inventory route under the structure. The value for this item should be recorded as a 4 digit number truncated to the tenth of a foot. Right justify with leading zeros, as required. For example: 074.3 feet.

Note that if the inventory route is not a dual roadway (separated roads in two directions), this item does not need to be coded because the horizontal clearance for the single roadway was already coded in 47C (i.e., the single roadway was considered eastbound/northbound when coding 47C). A mountable median does not count as dual roadway separation.

Thus, if there are only 2 "under-records" for a single route (dual roadway under-record), this will be for the 2<sup>nd</sup> "under-record" (i.e., the W/S route and not the E/N route). If this happens to be the largest under-record clearance, it will be submitted to the FHWA as item 47 for the dual roadway under-record.

Clearance should be measured in two ways, whichever gives the most restrictive result.

1. Clear distance between restrictive features such as curbs, rails, walls, piers, and other structural features limiting the roadway surface (including shoulders). Flush and mountable medians do not count; only non-mountable medians would count as curbs. Inspectors shall record how this dimension is measured (e.g., curb-to-curb or rail-to-rail). On flared structures, a note is required that describes the minimum and maximum clearances and where they are located.
2. Clear distance to adjacent roadway surfaces (including shoulders).

If the clearance is 1000 feet or more, code 999.9.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

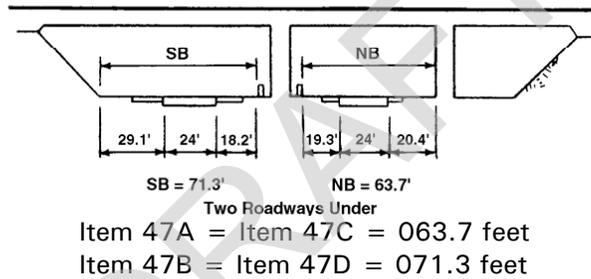
**Item Number:** 47D      **Item Name:** Tot. Horz. Clr. (1<sup>st</sup> Under) W/S

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Geometric	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX.X</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** Total Horizontal Clearance, 1<sup>st</sup> Under-Record Westbound / Southbound (continued)

**Instructions:** See the figure below for examples.



**Notes:** -







## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

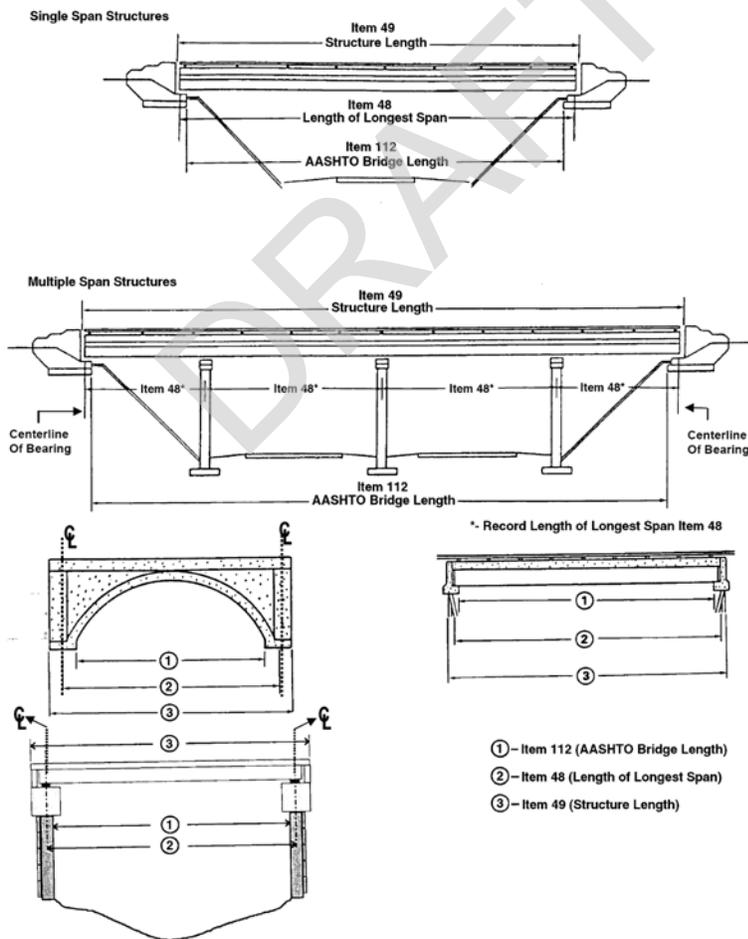
<b>Item Number:</b>	49	<b>Item Name:</b>	Structure Length
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Main/Sub Tab:</b>	SI&A/Underrecords (RO)
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Geometric	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	XXXXX.X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** Structure Length (continued)

**Instructions:** See the figures below for examples.

### Length Measurements



**Notes:** -

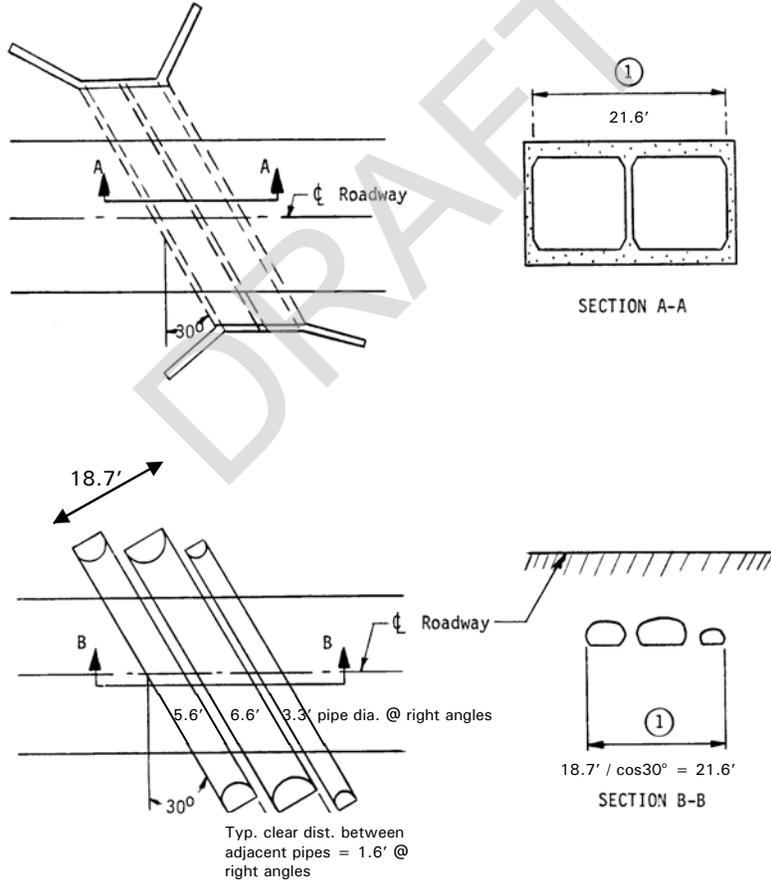
# INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	49	<b>Item Name:</b>	Structure Length
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Main/Sub Tab:</b>	SI&A/Underrecords (RO)
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Geometric	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	XXXXX.X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** Structure Length (continued)

**Instructions:** See the figures below for examples.



Item 49 = 00021.6 feet

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 50A                      **Item Name:** Left Curb or Sidewalk Width

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Geometric	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX.X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies the width of the left curb or sidewalk.

**Instructions:** Enter the width of the left curb or sidewalk in the 3-digit field. The value for this item should be recorded to the nearest tenth of a foot, right justified with leading zeros when necessary. For example: 05.4 feet.

Right and left for this item is determined by facing in the direction of inventory; typically, this is north, on a north-south road, and east, on an east-west road.

For the concrete barrier railing (New Jersey type), there is typically no curb or sidewalk area. This item will be coded 00.0 for any case where there is no curb or sidewalk present, including the case of New Jersey parapets.

See the figures for examples of curb and sidewalk measurements.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

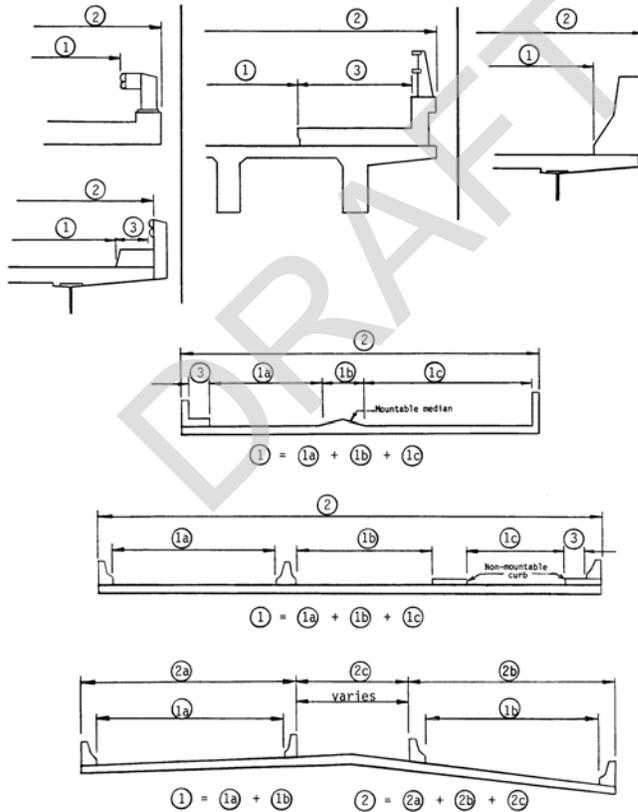
**Item Number:** 50A      **Item Name:** Left Curb or Sidewalk Width

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Geometric	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	XX.X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Left Curb or Sidewalk Width (continued)

**Instructions:**



- ① Item 51 - Bridge Roadway Width, Curb to Curb
- ② Item 52 - Deck Width, Out to Out
- ③ Item 50 - Curb or Sidewalk Width  
(50A or 50B depending on inventory direction)

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

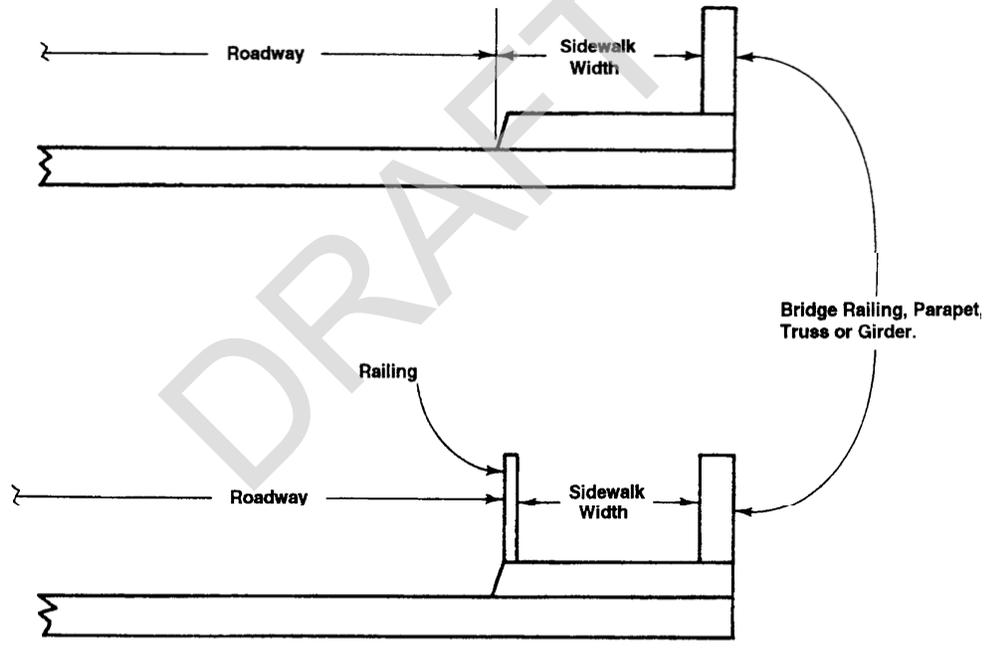
**Item Number:** 50A      **Item Name:** Left Curb or Sidewalk Width

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Geometric	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	XX.X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Left Curb or Sidewalk Width (continued)

**Instructions:**



View looking opposite to direction of inventory (i.e., left side of bridge shown)

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

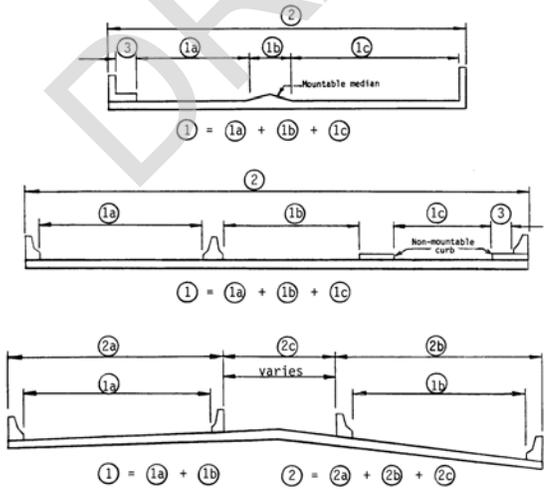
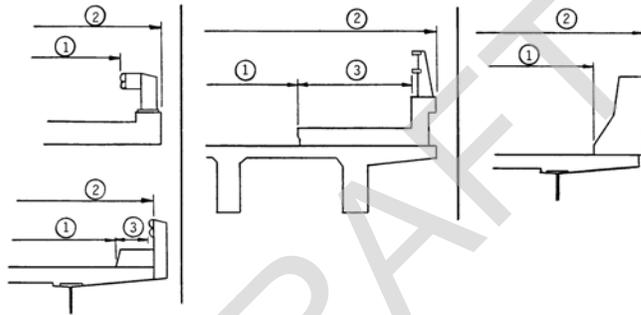
**Item Number:** 50B      **Item Name:** Right Curb or Sidewalk Width

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Geometric	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX.X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Right Curb or Sidewalk Width (continued)

**Instructions:**



- ① Item 51 - Bridge Roadway Width, Curb to Curb
- ② Item 52 - Deck Width, Out to Out
- ③ Item 50 - Curb or Sidewalk Width  
(50A or 50B depending on inventory direction)

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

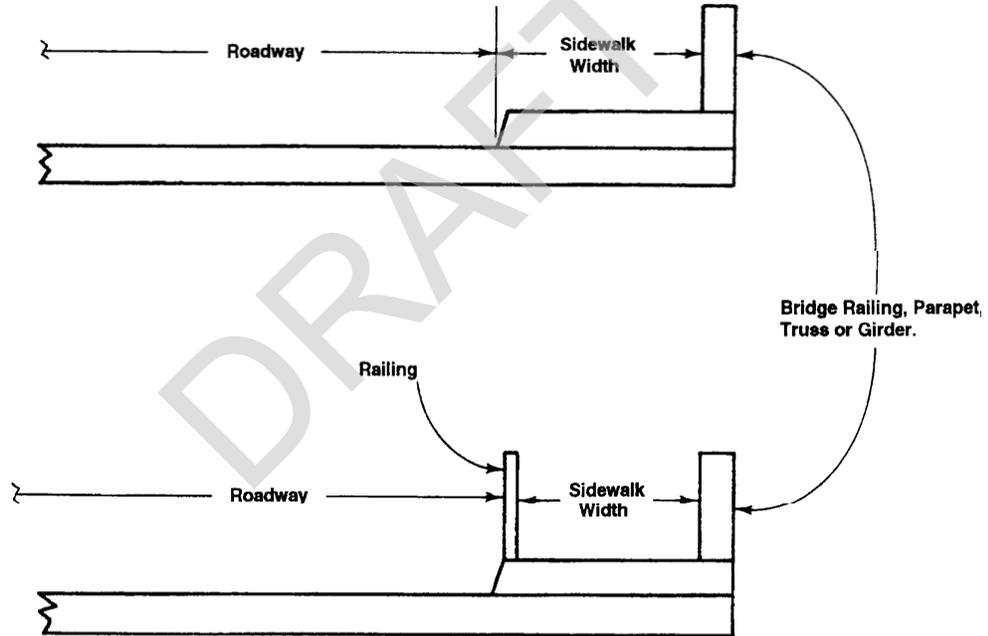
**Item Number:** 50B      **Item Name:** Right Curb or Sidewalk Width

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Geometric	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	XX.X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Right Curb or Sidewalk Width (continued)

**Instructions:**



View looking in direction of inventory (i.e., right side of bridge shown)

**Notes:** -

## INDOT Coding Guide: Bridge Reporting for Appraisal & Greater Inventory

**Item Number:** 51                      **Item Name:** Rdwy. Width, Curb-to-Curb

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Geometric	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	XXX.X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies the bridge roadway width between curbs or rails, whichever governs.

**Instructions:** Record the bridge roadway width in the 4-digit field. The value for this item should be recorded to the nearest tenth of a foot, right justified with leading zeros. For example: 050.2 feet.

The value to be recorded is the most restrictive minimum distance between curbs or rails on the structure roadway. For structures with closed medians and usually for double deck structures, coded data will be the sum of the most restrictive minimum distances for all roadways carried by the structure. Note that raised or non-mountable medians will not be included in the total summations for this number; neither will open medians, barrier widths, or barrier-protected non-vehicular (e.g., bicycle) lanes be counted. The measurement should be exclusive of flared areas for ramps. If the bridge deck is flared, a note should be added to indicate the minimum and maximum dimensions, and at which ends of the deck they are located.

For underfill structures, this item can be coded 000.0, provided that the headwalls or parapets do not affect the flow of traffic. This is acceptable since a filled section simply maintains the roadway cross-section. However, for sidehill viaduct structures code the actual full curb-to-curb roadway width; see figure.

But INDOT now requires that a dimension always be coded in this field; 000.0 feet will no longer be acceptable for culverts. The reason for this is that the FHWA will use a default value for this item if coded as 000.0 feet in the calculation of the Sufficiency Rating. If there are no restrictions such as curbs or rails to use in measuring the dimensions, then Inspectors should code the width of drivable roadway, including paved shoulders.

**Notes:** This item is used to calculate the Sufficiency Rating.



## INDOT Coding Guide: Bridge Reporting for Appraisal & Greater Inventory

**Item Number:** 51      **Item Name:** Rdwy. Width, Curb-to-Curb

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Geometric	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> Load Rating/Struc. Data (1)	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX.X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Roadway Width, Curb-to-Curb (continued)

**Instructions:** Figure Illustrating Coding of Sidehill Viaducts:

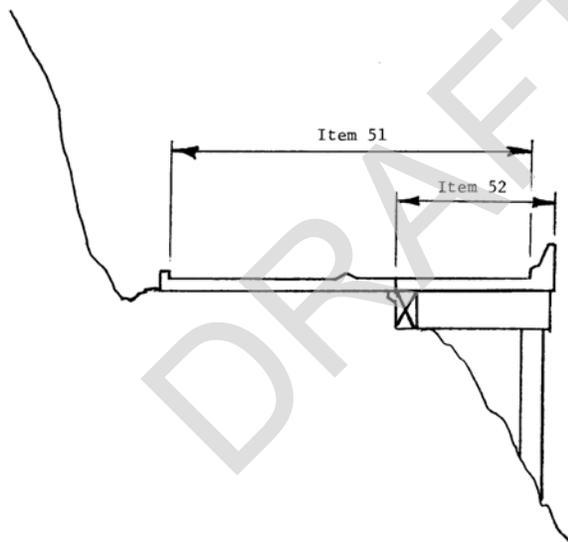
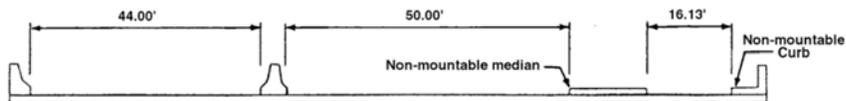


Figure Illustrating Calculation of Item 51 Value:



Total roadway width on bridge = 44.00' + 50.00' + 16.13' = 110.13'  
 Item 51 = 110.1 feet

**Notes:** -

# INDOT Coding Guide: Bridge Reporting for Appraisal & Greater Inventory

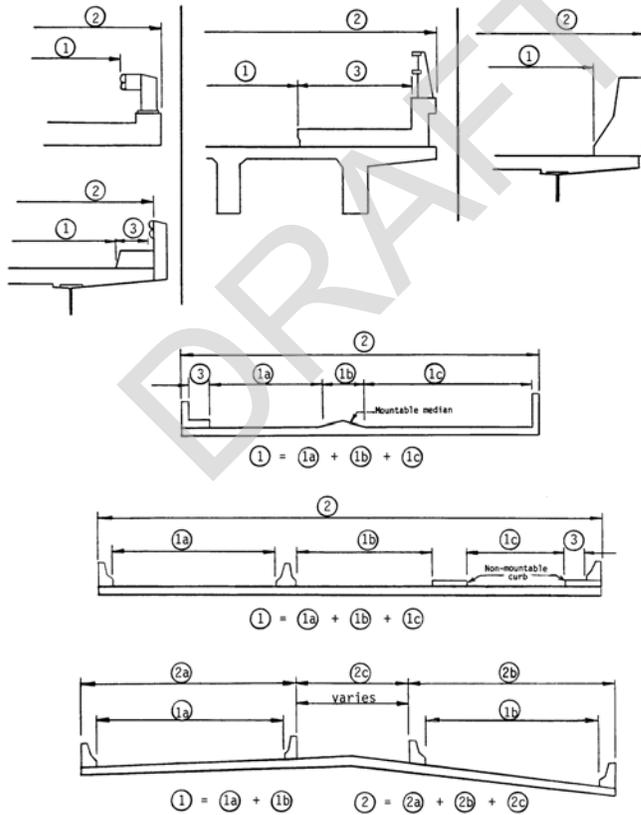
**Item Number:** 51      **Item Name:** Rdwy. Width, Curb-to-Curb

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Geometric	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> Load Rating/Struc. Data (1)	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX.X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Roadway Width, Curb-to-Curb (continued)

**Instructions:** Figures Illustrating General Width Measurements:



- ① Item 51 - Bridge Roadway Width, Curb to Curb
- ② Item 52 - Deck Width, Out to Out
- ③ Item 50 - Curb or Sidwalk Width

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 52                      **Item Name:** Deck Width, Out-to-Out

**Main Tab/Sub Tab:** Primary/General Inventory    **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/All                      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Geometric              **Misc. Fields:** -

**Main Tab/Sub Tab:** Load Rating/Struc. Data (1)    **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down <input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX.X</b> <b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Deck Width, Out-to-Out (continued)

**Instructions:** Figure Illustrating Coding of Sidehill Viaducts:

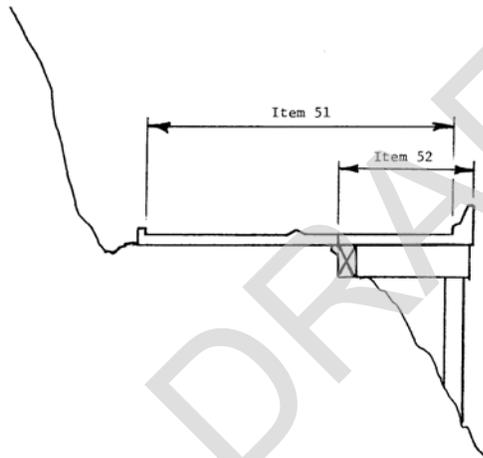
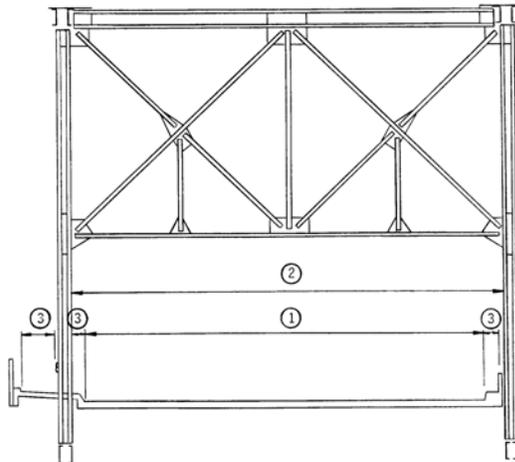


Figure Illustrating Width Measurements for Thru-Truss:



- ① Item 51 - Bridge Roadway Width, Curb to Curb
- ② Item 52 - Deck Width, Out to Out
- ③ Item 50 - Curb or Sidewalk Width

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

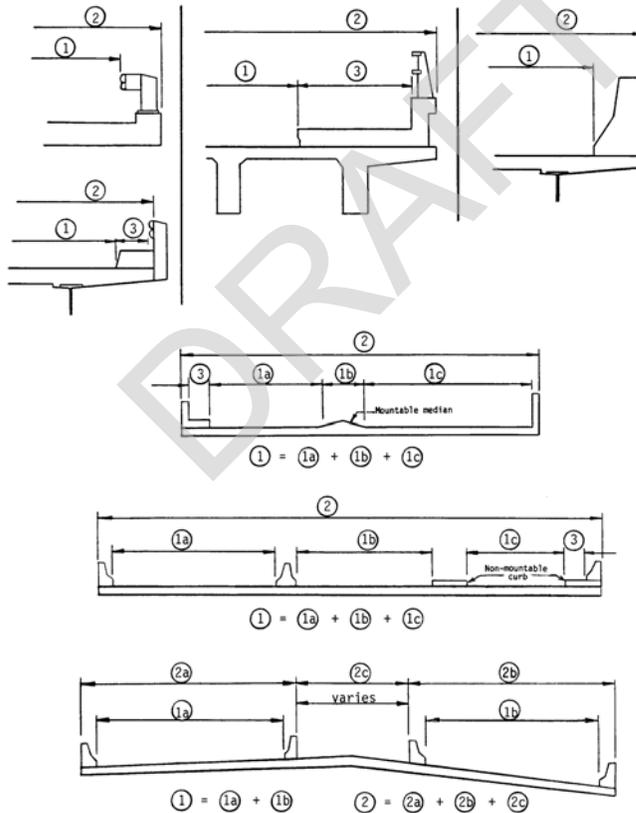
**Item Number:** 52      **Item Name:** Deck Width, Out-to-Out

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Geometric	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> Load Rating/Struc. Data (1)	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX.X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Deck Width, Out-to-Out (continued)

**Instructions:** Figures Illustrating General Width Measurements:



- ① Item 51 - Bridge Roadway Width, Curb to Curb
- ② Item 52 - Deck Width, Out to Out
- ③ Item 50 - Curb or Sidwalk Width

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 52      **Item Name:** Deck Width, Out-to-Out

**Main Tab/Sub Tab:** Primary/General Inventory      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Geometric      **Misc. Fields:** -

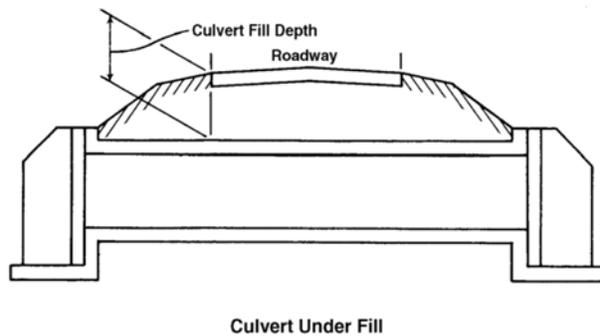
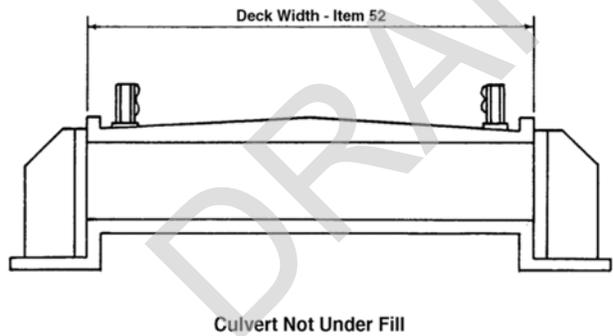
**Main Tab/Sub Tab:** Load Rating/Struc. Data (1)      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down <input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX.X</b> <b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Deck Width, Out-to-Out (continued)

**Instructions:**

### Culvert Examples



**Note:** Deck Width (Item 52) Code 000.0  
no longer valid for INDOT;  
code actual roadway width instead

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 53      **Item Name:** Min. Vert. Clr. Over Rdwy.

**Main Tab/Sub Tab:** Primary/General Inventory      **Misc. Fields:** Date Boxes, "Governs" Check Boxes

**Main Tab/Sub Tab:** Primary/General Inventory      **Misc. Fields:** Clr. Boxes (ft, in); Plan, Meas., Laser

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

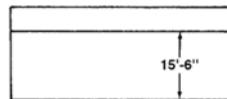
**Main Tab/Sub Tab:** SI&A/Geometric      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX ft. XX in.</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Minimum Vertical Clearance Over Roadway (continued)

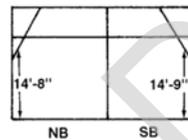
**Instructions:** See the figures below for examples.

a. One Roadway On:



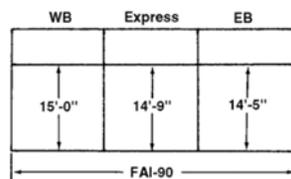
Item 53 = 15 ft 06 in

b. Two Roadways On:



Item 53 = 14 ft 08 in

c. More than two Roadways On:



Item 53 = 14 ft 05 in

d. No overhead Restriction:



Item 53 = 99 ft 99 in

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 54      **Item Name:** Min. Vertical Underclearance

**Main Tab/Sub Tab:** Primary/General Inventory      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Geometric      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**  Yes      **Toll Road:**  Yes

**Input Format:**  Drop-Down       Manual

**INDOT:**  Yes      **County/Local:**  Yes

**NBIS Underrec.:**  Yes

**Description:** This is a composite item composed of two segments: 54A and 54B. The segments indicate the minimum vertical underclearance reference feature and value, respectively.

**Instructions:** See the following pages for instructions regarding the component segments 54A and 54B.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 54A      **Item Name:** Min. Vert. Clr. Under – Code

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Geometric	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item indicates whether a highway or a railroad is the most restrictive feature affecting vertical clearance under the bridge, or if neither of these is the most restrictive feature.

**Instructions:** Enter the appropriate code from the drop-down menu to identify the feature beneath the structure that gives the most restrictive height under the bridge.

- H - HIGHWAY
- R - RAILROAD
- N - Not a highway or railroad

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 54B      **Item Name:** Min. Vertical Clr. Under Bridge

**Main Tab/Sub Tab:** Primary/General Inventory      **Misc. Fields:** Date Boxes, "Governs" Check Boxes

**Main Tab/Sub Tab:** Primary/General Inventory      **Misc. Fields:** Clr. Boxes (ft, in); Plan, Meas., Laser

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Geometric      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX ft. XX in.</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies the minimum vertical clearance under the bridge to a highway or railroad beneath the structure.

**Instructions:** This item should be recorded in feet and inches; there are 4 digits total, 2 for feet and 2 for inches. Round down to the whole inch.

Record the minimum vertical clearance either from the highway (travel lanes only) beneath the structure, or from the railroad track beneath the structure, to the underside of the superstructure. If both a highway and railroad are under the structure, code the most critical dimension. If there is neither a highway nor railroad beneath the structure, code as 00 feet, 00 inches.

If the vertical clearance is 100 feet or more to the highway or railroad, code as 99 feet and 99 inches.

The actual data measured shall be used for coding; however, the roadway may be signed for a lower clearance. Many bridges in Indiana are signed 2 or 3 inches lower than the actual low clearance to factor in snow/ice pack during winter months.

For INDOT bridges, there are ancillary fields for three sets of measurements: From Design Plans, Measured by Inspectors, and Laser Measured by Consultant. There is a Date field and Governs field for each set of measurements. The most restrictive or newest measurement should be used. The INDOT inspector is required to review these values and determine which governs, then code this value in the main fields for feet (54B) and inches (54C).

Vertical Under Clearance Data for roadways will also be listed on the Under Record; however, data for Railroads will have to be added in comments to the overall item 54B data field.

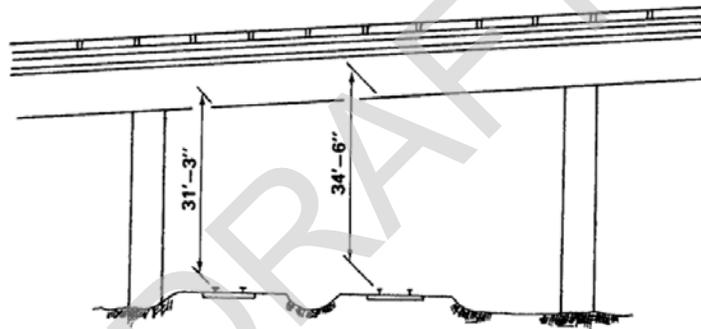
**Notes:** Two subparts are present: one for feet (54B) and one for inches (54C); this is also true for the Plan, Measured and Laser values.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

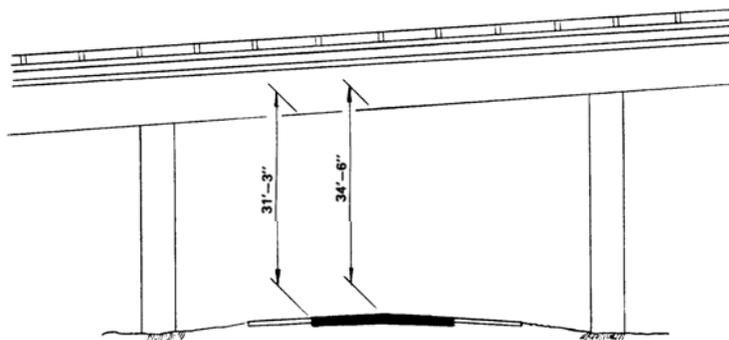
<b>Item Number:</b>	54B	<b>Item Name:</b>	Min. Vertical Clr. Under Bridge
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	Date Boxes, "Governs" Check Boxes
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	Clr. Boxes (ft, in); Plan, Meas., Laser
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Geometric	<b>Misc. Fields:</b>	-
<b>NBIS:</b>	<input checked="" type="checkbox"/> Yes	<b>Toll Road:</b>	<input checked="" type="checkbox"/> Yes
<b>INDOT:</b>	<input checked="" type="checkbox"/> Yes	<b>County/Local:</b>	<input checked="" type="checkbox"/> Yes
		<b>Input Format:</b>	<input type="checkbox"/> Drop-Down <input checked="" type="checkbox"/> Manual
		<b>XX ft. XX in.</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Minimum Vertical Clearance Under Bridge (continued)

**Instructions:** See the figures below for examples.



Item 54B = 31 ft 03 in



Item 54B = 31 ft 03 in

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 55A      **Item Name:** Min. Lat. Clr. Right - Code

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Geometric	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item indicates whether a highway or a railroad is the most restrictive feature affecting lateral clearance on the right under the bridge, or if neither of these is the most restrictive feature.

**Instructions:** Enter the appropriate code from the drop-down menu to identify the feature beneath the structure that gives the most restrictive lateral clearance under the bridge to the right.

- H - HIGHWAY
- R - RAILROAD
- N - Not a highway or railroad

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 55B                      **Item Name:** Minimum Lateral Clr. Right

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Geometric	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	XXX.X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies the minimum lateral clearance under the bridge on the right-hand side.

**Instructions:** Record the value for the minimum lateral clearance on the right-hand side under the bridge. The value for this item should be recorded to the nearest tenth of a foot, right justified with leading zeros for a total of 4 digits. For example: 010.4 feet.

The lateral clearance should be measured from the right edge of the roadway (excluding shoulders) or from the centerline (between rails) of the right-hand track of a railroad to the nearest substructure unit (pier, abutment, etc.), to a rigid barrier (concrete barrier wall, etc.), or to the toe of a slope steeper than 3 horizontal to 1 vertical (e.g., 1 to 1 or 2 to 1).

In the case of a dual highway, the outside clearances of both roadways should be measured and the smaller distance shall be recorded (i.e., measure the clearance on the right for both directions of travel). Both dimensions should be noted in a comment.

If this item is not applicable, because the feature beneath the structure is neither a highway nor a railroad, code 000.0.

If the lateral clearance on the right from the highway or railroad is greater than 1000 feet, code 999.9.

The presence of ramps and acceleration or turning lanes is not considered in this item; therefore the minimum lateral clearance on the right should be measured from the right edge of the through roadway.

When both a railroad and highway are under the structure, code the most critical dimension.

See figure for examples.

**Notes:** -

# INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 55B      **Item Name:** Minimum Lateral Clr. Right

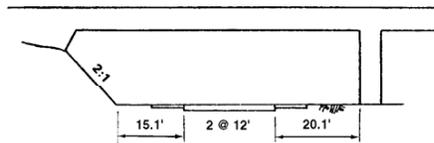
<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Geometric	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX.X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

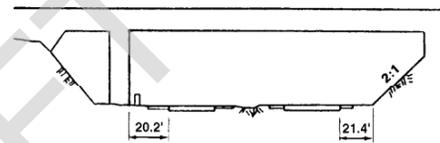
**Description:** Minimum Lateral Clearance on Right (continued)

**Instructions:**

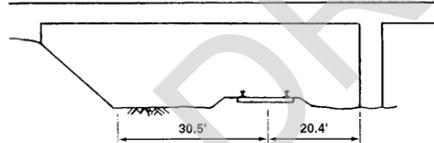
**Minimum Lateral Underclearance**



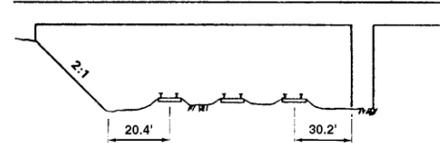
Item 55B = 015.1 feet for 2-way traffic  
 Item 56 = 000.0 feet for 2-way traffic  
 Item 55B = 020.1 feet for 1-way traffic (into page)  
 Item 56 = 015.1 feet for 1-way traffic (into page)



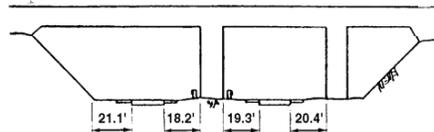
Item 55B = 020.2 feet  
 Item 56 = 999.9 feet



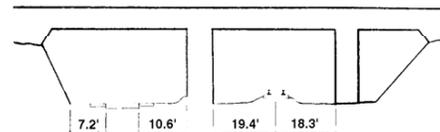
Item 55B = 020.4 feet  
 Item 56 = 000.0 feet



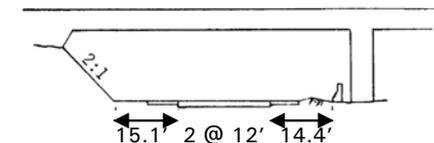
Item 55B = 020.4 feet  
 Item 56 = 000.0 feet



Item 55B = 020.4 feet  
 Item 56 = 018.2 feet



Item 55B = 007.2 feet  
 Item 56 = 000.0 feet



Item 55B = 014.4 feet for 2-way traffic  
 Item 56 = 000.0 feet for 2-way traffic  
 Item 55B = 014.4 feet for 1-way traffic (into page)  
 Item 56 = 015.1 feet for 1-way traffic (into page)

**Notes:** -





## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 57      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**     Yes

**Toll Road:**     Yes

**Input Format:**     Drop-Down

Manual

**INDOT:**     Yes

**County/Local:**     Yes

**NBIS Underrec.:**     Yes

**Description:** -

**Instructions:** -

**Notes:** -

DRAFT

## INDOT Coding Guide: Bridge Reporting for Appraisal & Greater Inventory

<b>Item Number:</b>	58	<b>Item Name:</b>	Deck Condition
<b>Main Tab/Sub Tab:</b>	Primary/Deck (58)	<b>Misc. Fields:</b>	Rating Based On, Deck Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item describes the overall condition rating of the deck. Ranges shown at the left (good, fair, poor, bad, closed) should be used as a starting point to determine the actual rating. See the following pages for more detailed definitions.

**Instructions:** Enter the 1 digit code that best describes the condition of the deck:

- N - NOT APPLICABLE

Good      9 - EXCELLENT CONDITION

8 - VERY GOOD CONDITION (NO PROBLEMS NOTED)

7 - GOOD CONDITION (SOME MINOR PROBLEMS)
- 6 - SATISFACTORY CONDITION (MINOR DETERIORATION)

Fair      Structural elements show some minor deterioration.

5 - FAIR CONDITION (MINOR SECTION LOSS)

All primary structural elements are sound but may have minor section loss, cracking, spalling, or scour.
- 4 - POOR CONDITION (ADVANCED DETERIORATION)

Poor      Advanced section loss, deterioration, spalling, or scour.

3 - SERIOUS CONDITION (PRIMARY STRUCTURE AFFECTED)

Loss of section, deterioration, spalling, or scour has seriously affected primary structural components. Local failures are possible. Fatigue cracks in steel or shear cracks in concrete may be present.
- 2 - CRITICAL CONDITION (ADVANCED LOSS TO PRIMARY STRUCTURE, MAY CLOSE BRIDGE)

Bad      Advanced deterioration of primary structural elements. Fatigue cracks in steel or shear cracks in concrete may be present or scour may have removed substructure support. Unless closely monitored it may be necessary to close the bridge until corrective action is taken.
- 1 - "IMMINENT" FAILURE CONDITION (BRIDGE CLOSED, PENDING CORRECTIVE ACTION)

Major deterioration or section loss present in critical structural components or obvious vertical or horizontal movement affecting structure stability. Bridge is closed to traffic but corrective action may put back in light service.
- 0 - FAILED CONDITION (OUT OF SERVICE - BEYOND CORRECTIVE ACTION)

Closed

**Notes:** This item is used to calculate the Sufficiency Rating.

## INDOT Coding Guide: Bridge Reporting for Appraisal & Greater Inventory

<b>Item Number:</b>	58	<b>Item Name:</b>	Deck Condition
<b>Main Tab/Sub Tab:</b>	Primary/Deck (58)	<b>Misc. Fields:</b>	Rating Based On, Deck Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Deck (continued)

**Instructions:** Enter N for structures without decks, including culverts.

**General Comments** Concrete decks should be inspected for cracking, scaling, spalling, leaching, chloride contamination, potholing, delamination, and full or partial depth failures. Steel grid decks should be inspected for broken welds, broken grids, section loss, and expansion of filled grids from corrosion. Timber decks should be inspected for splitting, crushing, fastener failure, and deterioration from rot.

The condition of the wearing surface/protective system, joints, expansion devices, curbs, sidewalks, parapets, fascias, bridge rail, and scuppers shall not be considered in the overall deck evaluation. However, their condition should be noted during the inspection. If required, these items should be rated under the appropriate central database coding item.

Decks integral with the superstructure will be rated as a deck only and not how they may influence the superstructure rating (e.g., rigid frame, slab, deck girder or T-beam, voided slab, box girder). Similarly, the superstructure of an integral deck-type bridge will not influence the deck rating. However, a deteriorated deck can affect the load-carrying capacity of the superstructure member (e.g., with a T-beam where the deck provides the compression section of the member).

See the following pages for a detailed description of each condition rating for different deck material types.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	58	<b>Item Name:</b>	Deck Condition
<b>Main Tab/Sub Tab:</b>	Primary/Deck (58)	<b>Misc. Fields:</b>	Rating Based On, Deck Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Concrete Deck

**Instructions:** Enter the 1 digit code that best describes the condition of the deck:

- |                |                                |
|----------------|--------------------------------|
| N              | Used for underfill structures. |
| Not Applicable |                                |
- |           |  |
|-----------|--|
| 9         | Generally used on properly constructed new bridges. There are no spalls, delaminations, cracks or scaling present. |
| Excellent |  |
- |           |  |
|-----------|--|
| 8         | No problems noted. Generally used on properly rehabilitated bridges or bridges in nearly new condition. There are no spalls, delaminations, cracks or scaling present. Minor transverse cracks may be present in the wearing surface or the underside of the deck. |
| Very Good |  |
- |      |  |
|------|--|
| 7    | Some minor problems. There are no spalls or delaminations present. Insignificant cracks which can be sealed with tar or epoxy exist, or light scaling may be present in the wearing surface. Few transverse cracks on the underside. No leaking or corrosion of stay-in-place forms. |
| Good |  |
- |              |  |
|--------------|--|
| 6            | Structural elements show some minor deterioration. Spalls and deformations may be present on up to five percent of the deck surface or soffit area. Up to 10 percent of the deck surface or soffit area may have map cracking. Transverse cracking at greater than five-foot spacing may be present. Moderate scaling of the deck surface may also be present. |
| Satisfactory |  |

**Notes:** -

## INDOT Coding Guide: Bridge Reporting for Appraisal & Greater Inventory

<b>Item Number:</b>	58	<b>Item Name:</b>	Deck Condition
<b>Main Tab/Sub Tab:</b>	Primary/Deck (58)	<b>Misc. Fields:</b>	Rating Based On, Deck Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Concrete Deck (continued)

**Instructions:** Enter the 1 digit code that best describes the condition of the deck:

- |   |         |   |
|---|---------|---|
| 5 | Fair    | All primary structural elements are sound but may have minor cracking or spalling. Up to 10 percent of the deck surface or soffit area is spalled or delaminated. Up to 25 percent of the deck surface or soffit area may have map cracking. Transverse cracking on the underside at less than five-foot intervals in the majority of the deck, with or without efflorescence, may be present. The underside of the deck has spalls with exposed reinforcing bars with up to 10 percent section loss in isolated areas. Heavy scaling of the deck surface may also be present.  |
| 4 | Poor    | Advanced deterioration, or spalling. Longitudinal cracks exist over the majority of the deck. Up to 25 percent of the deck surface or soffit area is spalled or delaminated. Up to 50 percent of the deck surface or soffit area may have map cracking. The underside of the deck has wet-looking areas. Stay-in-place forms are corroded in numerous areas. Full-depth failures are imminent. Significant efflorescence is present. The underside of the deck has spalls with exposed reinforcing bars with up to 30 percent section loss in isolated areas. Loose delaminations are in danger of falling on traffic or pedestrians below. |
| 3 | Serious | Deterioration or spalling has seriously affected the primary structural components. Local failures are possible. Flexure and shear cracks in concrete may be present. Full-depth failures are present or imminent. Greater than 25% of the deck surface or soffit area is spalled or delaminated. Excessive efflorescence is present. Large areas on the underside of the deck look wet. Large areas of stay-in-place forms are corroded. Significant exposed reinforcing bars, with greater than 30 percent section loss, are present.   |

**Notes:** -

## INDOT Coding Guide: Bridge Reporting for Appraisal & Greater Inventory

<b>Item Number:</b>	58	<b>Item Name:</b>	Deck Condition
<b>Main Tab/Sub Tab:</b>	Primary/Deck (58)	<b>Misc. Fields:</b>	Rating Based On, Deck Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Concrete Deck (continued)

**Instructions:** Enter the 1 digit code that best describes the condition of the deck:

- |                          |   |
|--------------------------|---|
| 2<br>Critical            | Advanced deterioration of primary structural elements. Shear cracks in concrete may be present. Unless closely monitored it may be necessary to close the bridge until corrective action is taken. There are deficiencies in the deck that would likely cause a driver to lose control of the vehicle. Local deflections exist. Full-depth failures exist over much of the deck. The deck is grossly compromised. |
| 1<br>Imminent<br>Failure | Major deterioration or section loss present. The bridge is closed to traffic but corrective action may put it back in light service.  |
| 0<br>Failed              | Out of service, beyond corrective action.   |

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	58	<b>Item Name:</b>	Deck Condition
<b>Main Tab/Sub Tab:</b>	Primary/Deck (58)	<b>Misc. Fields:</b>	Rating Based On, Deck Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Steel Deck

**Instructions:** Enter the 1 digit code that best describes the condition of the deck:

- |                     |                                |
|---------------------|--------------------------------|
| N<br>Not Applicable | Used for underfill structures. |
|---------------------|--------------------------------|
- |                |   |
|----------------|---|
| 9<br>Excellent | Generally used on properly constructed new bridges. There are no noticeable or noteworthy deficiencies which affect the deck condition. |
|----------------|---|
- |                |   |
|----------------|---|
| 8<br>Very Good | No problems noted. Generally used on properly rehabilitated bridges or bridges in nearly new condition. There is no damage to the primary or secondary bars other than surface rust on uncoated decks. Any deck coating system is sound. The grid deck is securely fastened to the floor system, and any filler present is sound. |
|----------------|---|
- |           |   |
|-----------|---|
| 7<br>Good | Some minor problems. There may be minor damage to the primary or secondary bars, such as small twists or bends. There may be surface rust on uncoated decks, or minor isolated areas of corrosion of coated decks. Any filler present is sound. |
|-----------|---|
- |                   |  |
|-------------------|--|
| 6<br>Satisfactory | Structural elements show some minor deterioration. There may be some twisted, bent or cracked bars. There may be some isolated broken welds or loose/broken fasteners. Concrete filler may have broken out at a few localized areas. There is surface rust on uncoated decks, and surface or freckle rust of coated decks. |
|-------------------|--|
- |           |  |
|-----------|--|
| 5<br>Fair | All primary structural elements are sound but may have minor section loss. There may be some twisted, bent or cracked bars. There may be some isolated broken welds or loose/broken fasteners. Filler may have broken out at a few localized areas. There is surface corrosion on uncoated decks and surface or freckle corrosion on coated decks. |
|-----------|--|

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	58	<b>Item Name:</b>	Deck Condition
<b>Main Tab/Sub Tab:</b>	Primary/Deck (58)	<b>Misc. Fields:</b>	Rating Based On, Deck Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Steel Deck (continued)

**Instructions:** Enter the 1 digit code that best describes the condition of the deck:

- |           |   |
|-----------|---|
| 4<br>Poor | Advanced section loss or deterioration. There are numerous cracked, broken or missing bars. There are numerous broken welds or loose/broken fasteners. Filler has broken out at many locations. Measurable surface pitting and/or section loss is occurring due to corrosion. The coating system has failed. Measurable section loss due to wear has occurred in the wheel lines. |
|-----------|---|
- |              |   |
|--------------|---|
| 3<br>Serious | Loss of section or deterioration has seriously affected the primary structural components. Local failures are possible. There are numerous broken or missing bars. There are widespread broken welds or broken fasteners. Much of the filler is missing. Serious section loss and measurable section loss in the wheel lines. |
|--------------|---|
- |               |   |
|---------------|---|
| 2<br>Critical | Advanced deterioration of primary structural elements. Fatigue cracks in steel may be present. Unless closely monitored it may be necessary to close the bridge until corrective action is taken. There are deficiencies in the deck that would likely cause a driver to lose control of the vehicle. Local deflections exist. There are widespread broken or missing bars accompanied with partial deck failures. There are widespread broken welds or broken fasteners. Most of the filler is missing. Excessive section loss is evident. |
|---------------|---|
- |                          |   |
|--------------------------|---|
| 1<br>Imminent<br>Failure | Major deterioration or section loss is present. The bridge is closed to traffic but corrective action may put it back in light service. |
|--------------------------|---|
- |             |   |
|-------------|---|
| 0<br>Failed | Out of service, beyond corrective action. |
|-------------|---|

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	58	<b>Item Name:</b>	Deck Condition
<b>Main Tab/Sub Tab:</b>	Primary/Deck (58)	<b>Misc. Fields:</b>	Rating Based On, Deck Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Timber Deck

**Instructions:** Enter the 1 digit code that best describes the condition of the deck:

- N  
Not Applicable

Used for underfill structures.
- 9  
Excellent

Generally used on properly constructed new bridges. There are no noticeable or noteworthy deficiencies which affect the deck condition.
- 8  
Very Good

No problems noted. Generally used on properly rehabilitated bridges or bridges in nearly new condition. There is no crushing, rotting or splitting. The deck is tightly secured to the floor system.
- 7  
Good

Some minor problems. There is minor checking or splitting with a few loose planks.
- 6  
Satisfactory

Structural elements show some minor deterioration. Less than 10% of the planks are checked or split, but they are sound. There may be some loose or moderately worn planks. Some areas of wetness are present.
- 5  
Fair

All primary structural elements are sound but may have minor section loss. 10% to 40% of the planks are checked, split, rotted or crushed. Many planks are loose. Fire damage is limited to surface charring with minor, measurable section loss. Less than 10% of the planks are in need of replacement.
- 4  
Poor

Advanced section loss or deterioration. Over 40% of the planks are rotted, crushed or split. Fire damage with significant section loss, possibly reducing the load carrying capacity of the member may be present. Over 10% of the planks are in need of replacement.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	58	<b>Item Name:</b>	Deck Condition
<b>Main Tab/Sub Tab:</b>	Primary/Deck (58)	<b>Misc. Fields:</b>	Rating Based On, Deck Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Timber Deck (continued)

**Instructions:** Enter the 1 digit code that best describes the condition of the deck:

- |                       |   |
|-----------------------|---|
| 3<br>Serious          | Loss of section or deterioration has seriously affected the primary structural components. Local failures are possible. Severe signs of structural distress are visible. Extensive plank damage is evident with a reduced deck load-carrying capacity.  |
| 2<br>Critical         | Advanced deterioration of primary structural elements. Unless closely monitored it may be necessary to close the bridge until corrective action is taken. There are deficiencies in the deck that would likely cause a driver to lose control of the vehicle. Local deflections exist. There is advanced deterioration with partial deck failure. There are broken or missing planks. |
| 1<br>Imminent Failure | Major deterioration or section loss present. The bridge is closed to traffic but corrective action may put it back in light service.  |
| 0<br>Failed           | Out of service, beyond corrective action.   |

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	59	<b>Item Name:</b>	Superstructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Superstruc. (59A)	<b>Misc. Fields:</b>	Rating Based On, Superstruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item describes the overall condition rating of the deck. Ranges shown at the left (good, fair, poor, bad, closed) should be used as a starting point to determine the actual rating. See the following pages for more detailed definitions.

**Instructions:** Enter the 1 digit code that best describes the condition of the superstructure:

- |        |   |
|--------|---|
| Good   | N - NOT APPLICABLE<br>9 - EXCELLENT CONDITION<br>8 - VERY GOOD CONDITION (NO PROBLEMS NOTED)<br>7 - GOOD CONDITION (SOME MINOR PROBLEMS)  |
| Fair   | 6 - SATISFACTORY CONDITION (MINOR DETERIORATION)<br>Structural elements show some minor deterioration.<br>5 - FAIR CONDITION (MINOR SECTION LOSS)<br>All primary structural elements are sound but may have minor section loss, cracking, spalling, or scour.   |
| Poor   | 4 - POOR CONDITION (ADVANCED DETERIORATION)<br>Advanced section loss, deterioration, spalling, or scour.  |
| Bad    | 3 - SERIOUS CONDITION (PRIMARY STRUCTURE AFFECTED)<br>Loss of section, deterioration, spalling, or scour has seriously affected primary structural components. Local failures are possible. Fatigue cracks in steel or shear cracks in concrete may be present.<br>2 - CRITICAL CONDITION (ADVANCED LOSS TO PRIMARY STRUCTURE, MAY CLOSE BRIDGE) Advanced deterioration of primary structural elements. Fatigue cracks in steel or shear cracks in concrete may be present or scour may have removed substructure support. Unless closely monitored it may be necessary to close the bridge until corrective action is taken. |
| Closed | 1 - "IMMINENT" FAILURE CONDITION (BRIDGE CLOSED, PENDING CORRECTIVE ACTION) Major deterioration or section loss present in critical structural components or obvious vertical or horizontal movement affecting structure stability. Bridge is closed to traffic but corrective action may put back in light service.<br>0 - FAILED CONDITION (OUT OF SERVICE - BEYOND CORRECTIVE ACTION)  |

**Notes:** This item is used to calculate the Sufficiency Rating.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	59	<b>Item Name:</b>	Superstructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Superstruc. (59A)	<b>Misc. Fields:</b>	Rating Based On, Superstruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Superstructure (continued)

**Instructions:** Enter N for all culverts.

General  
Comments

Rate the overall condition of the superstructure, based mainly on the more critical items making up the superstructure.

The structural members should be inspected for signs of distress which may include cracking, deterioration, section loss, collision damage, and malfunction and misalignment of bearings.

The condition of bearings, joints, paint system, etc. shall not be included in this rating, except in extreme situations.

On bridges where the deck is integral with the superstructure, the superstructure condition rating may be affected by the deck condition. The resultant superstructure condition rating may be lower than the deck condition rating where the girders have deteriorated or been damaged.

Fracture critical components should receive careful attention because failure could lead to collapse of a span or the bridge.

See the following pages for a detailed description of each condition rating for different superstructure material types.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	59	<b>Item Name:</b>	Superstructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Superstruc. (59A)	<b>Misc. Fields:</b>	Rating Based On, Superstruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Concrete Superstructure

**Instructions:** Enter the appropriate code from the drop-down menu for the overall condition of the superstructure:

N	Used for underfill structures.
Not Applicable	
9	Properly constructed, new condition.
Excellent	
8	There are no noteworthy deficiencies which affect the structural capacity of the members.
Very Good	
7	Some minor problems are present. Non-structural hairline cracks without disintegration may be evident. Load-carrying capacity of structural members unaffected.
Good	
6	Structural members show some minor deterioration or collision damage. Hairline structural cracks or spalls may be present with evidence of efflorescence. Minor water saturation marks may be present. Generally, the reinforcing steel is unaffected.
Satisfactory	
5	Structural members are generally sound but may have evidence of deterioration or disintegration. Numerous hairline structural cracks or spalls may be present with minor section loss of reinforcing steel possible.
Fair	
4	There is extensive deterioration. There are measurable structural cracks or large spall areas. Corroded reinforcing steel evident with measurable section loss. Structural capacity of some members is diminished.
Poor	

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	59	<b>Item Name:</b>	Superstructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Superstruc. (59A)	<b>Misc. Fields:</b>	Rating Based On, Superstruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Concrete Superstructure (continued)

**Instructions:** Enter the appropriate code from the drop-down menu for the overall condition of the superstructure:

- |                       |  |
|-----------------------|--|
| 3<br>Serious          | There is severe deterioration and/or disintegration of primary concrete members. Large structural cracks may be evident. Reinforcing steel reinforcing is exposed with advanced corrosion and significant section loss. Local failures or loss of bond are possible.   |
| 2<br>Critical         | Advanced deterioration of primary concrete members. There is concrete disintegration around reinforcing steel with loss of bond. Some reinforcing steel may be ineffective due to corrosion or loss of bond. Numerous large structural cracks may be present. Localized failures of bearing areas may exist. |
| 1<br>Imminent Failure | Bridge is closed to traffic. There is major deterioration or section loss present on primary structural elements. Obvious vertical or horizontal movement is affecting the structure's stability.  |
| 0<br>Failed           | Out of service, beyond corrective action.  |

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b> 59		<b>Item Name:</b> Superstructure Condition	
<b>Main Tab/Sub Tab:</b>	Primary/Superstruc. (59A)	<b>Misc. Fields:</b>	Rating Based On, Superstruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Prestressed Concrete Superstructure (continued)

**Instructions:** Enter the appropriate code from the drop-down menu for the overall condition of the superstructure:

4  
Poor

5% to 15% of prestressing strands exposed. 15% to 25% of the area is spalled or delaminated. Multiple shrinkage cracks are present, including enlarging with possible minor spalls. Tight shear cracks may be present. Hairline transverse flexural cracks across the bottom flange may also be present. Longitudinal cracks with minor efflorescence or minor rust stains may be present along the bottom flange. Transverse tendons may be loose or heavily rusted. There may be leakage at joints with heavy efflorescence or minor rust stains. Vertical or diagonal web cracks less than 3 inches long near the open joints in barrier.

3  
Serious

Any sagging or loss of camber may be present. Severed, heavily corroded, or deformed prestressing strands with over 15% of prestressing strands exposed may be present. Over 25% of the area may be spalled or delaminated. Multiple shrinkage cracks are present and are wide with spalls. Some moderate-width shear cracks are present. Open transverse flexural cracks in bottom flange may be present. Longitudinal cracks with minor efflorescence or minor rust stains may be present across the bottom flange. Vertical or diagonal web cracks greater than 3 inches long may be present.

2  
Critical

Critical damage to the concrete or the reinforcing structures may be present. Multiple shrinkage cracks, spalls with exposed reinforcing, and/or rust may be present. Wide shear cracks and/or rust may also be present. Open cracks across the bottom flange and possibly into the web may exist. An abrupt lateral offset as measured along the bottom flange or lateral distortion of exposed prestressing strands. Excessive vertical misalignment may be present. Longitudinal cracks at the interface of the web and top flange that are not substantially closed below the surface damage (this indicates permanent deformation of the stirrups) may be present.

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	59	<b>Item Name:</b>	Superstructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Superstruc. (59A)	<b>Misc. Fields:</b>	Rating Based On, Superstruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Steel Superstructure

**Instructions:** Enter the appropriate code from the drop-down menu for the overall condition of the superstructure:

N  
Not Applicable

Used for underfill structures.

9  
Excellent

Properly constructed, new condition.

8  
Very Good

There are no noticeable or noteworthy deficiencies which affect the condition of the superstructure. Cannot be used for reused superstructure components.

7  
Good

Some rust may be evident without any section loss.

6  
Satisfactory

Rusting is evident but with minor section loss of less than 2% of thickness in critical areas.

5  
Fair

There is section loss but less than 5% of the thickness in critical areas of primary members. Fatigue or out of plane distortion cracks may be present in non-critical areas. Hinges may be showing minor corrosion problems.

4  
Poor

There is significant section loss, between 5% and 25%, of the member section in critical areas of primary members. Fatigue or out of plane distortion cracks may be present in critical areas. Hinges may be frozen from corrosion. Load-carrying capacity of structural members may be affected. There may be local buckling in compression members or connections. Tension flanges or tension members may show elongation.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	59	<b>Item Name:</b>	Superstructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Superstruc. (59A)	<b>Misc. Fields:</b>	Rating Based On, Superstruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Steel Superstructure (continued)

**Instructions:** Enter the appropriate code from the drop-down menu for the overall condition of the superstructure:

- |                          |   |
|--------------------------|---|
| 3<br>Serious             | Bearing movement or deterioration threatens the stability of the superstructure. Severe member section loss of over 25% or cracking in critical areas of primary members may be present. Minor failures may have occurred. Significant weakening of primary members evident. There may be global buckling of a primary member or connection. A primary member has a crack of 2 inches or longer. There are cracks in a gusset plate or welds that have, or may have, propagated into primary members. There are cracks in a hanger assembly member. The connection between railroad flat cars has failed. |
| 2<br>Critical            | Severe section loss of over 50% of thickness is present at numerous locations with through thickness section loss at some critical locations of primary members. Extensive fatigue cracking may also be present.  |
| 1<br>Imminent<br>Failure | Bridge is closed.   |
| 0<br>Failed              | Out of service, beyond corrective action.   |

**Notes:** -





## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	60	<b>Item Name:</b>	Substructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Substructure (60)	<b>Misc. Fields:</b>	Rating Based On, Substruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item describes the overall condition rating of the deck. Ranges shown at the left (good, fair, poor, bad, closed) should be used as a starting point to determine the actual rating. See the following pages for more detailed definitions.

**Instructions:** Enter the 1 digit code that best describes the condition of the substructure:

- |        |  |
|--------|--|
| Good   | <p>N - NOT APPLICABLE</p> <p>9 - EXCELLENT CONDITION</p> <p>8 - VERY GOOD CONDITION (NO PROBLEMS NOTED)</p> <p>7 - GOOD CONDITION (SOME MINOR PROBLEMS)</p>  |
| Fair   | <p>6 - SATISFACTORY CONDITION (MINOR DETERIORATION)</p> <p>Structural elements show some minor deterioration.</p> <p>5 - FAIR CONDITION (MINOR SECTION LOSS)</p> <p>All primary structural elements are sound but may have minor section loss, cracking, spalling, or scour.</p>   |
| Poor   | <p>4 - POOR CONDITION (ADVANCED DETERIORATION)</p> <p>Advanced section loss, deterioration, spalling, or scour.</p>  |
| Bad    | <p>3 - SERIOUS CONDITION (PRIMARY STRUCTURE AFFECTED)</p> <p>Loss of section, deterioration, spalling, or scour has seriously affected primary structural components. Local failures are possible. Fatigue cracks in steel or shear cracks in concrete may be present.</p> <p>2 - CRITICAL CONDITION (ADVANCED LOSS TO PRIMARY STRUCTURE, MAY CLOSE BRIDGE) Advanced deterioration of primary structural elements. Fatigue cracks in steel or shear cracks in concrete may be present or scour may have removed substructure support. Unless closely monitored it may be necessary to close the bridge until corrective action is taken.</p> |
| Closed | <p>1 - "IMMINENT" FAILURE CONDITION (BRIDGE CLOSED, PENDING CORRECTIVE ACTION) Major deterioration or section loss present in critical structural components or obvious vertical or horizontal movement affecting structure stability. Bridge is closed to traffic but corrective action may put back in light service.</p> <p>0 - FAILED CONDITION (OUT OF SERVICE - BEYOND CORRECTIVE ACTION)</p>  |

**Notes:** This item is used to calculate the Sufficiency Rating.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	60	<b>Item Name:</b>	Substructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Substructure (60)	<b>Misc. Fields:</b>	Rating Based On, Substruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Substructure (continued)

**Instructions:** Enter N for all culverts.

General  
Comments

All substructure elements should be inspected for visible signs of distress including evidence of cracking, section loss, settlement, misalignment, scour, collision damage, and corrosion. If significant scour has resulted in a rating of 2 or less for item 113, the rating for item 60 should be comparable (usually the same as for item 113, but item 60 could be worse if significant material deterioration also exists at critical sections).

The substructure condition rating should be made independent of the deck and superstructure.

Integral-abutment wingwalls to the first construction or expansion joint shall be included in the evaluation. For non-integral superstructure and substructure units, the substructure shall be considered as the portion below the bearings. For structures where the substructure and superstructure are integral, the substructure shall be considered as the portion below the superstructure.

See the following pages for a detailed description of each condition rating for different substructure material types.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	60	<b>Item Name:</b>	Substructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Substructure (60)	<b>Misc. Fields:</b>	Rating Based On, Substruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Concrete Substructure

**Instructions:** Enter the appropriate code from the drop-down menu for the overall condition of the substructure:

N  
Not Applicable      Used for underfill structures, culverts, and spandrel arches where footings cannot be seen.

9  
Excellent      There are no noticeable or noteworthy deficiencies that affect the condition of the substructure. There may be insignificant scrape marks caused by drift or collision.

8  
Very Good      There may be shrinkage cracks, light scaling or insignificant spalling which does not expose reinforcing steel. There may be insignificant damage caused by drift or collision with no resulting misalignment.

7  
Good      There may be minor cracking or spalls with no detrimental effect on bearing area. Minor scouring may have occurred.

6  
Satisfactory      Minor deterioration or disintegration, spalls, cracking or leaching with little or no loss of bearing area. Shallow, local scouring may have occurred near the foundation.

5  
Fair      Measurable but minor section loss may exist, with possible exposed reinforcing steel. Scour may be progressive and/or is becoming more prominent with possible top of footing exposure. However, no misalignment or settlement is noted.

4  
Poor      Structural cracks or settlement with advanced deterioration. Additional backfilling is required. Extensive scouring or undermining of the footing is affecting the stability of the unit and requires corrective action. Settlement that is causing stress on the structure, or is creating a hazardous riding surface on the roadway above may be present. Wingwall rotation causing roadway settlement. Severe impact damage may be present.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	60	<b>Item Name:</b>	Substructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Substructure (60)	<b>Misc. Fields:</b>	Rating Based On, Substruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Concrete Substructure (continued)

**Instructions:** Enter the appropriate code from the drop-down menu for the overall condition of the substructure:

- |                          |  |
|--------------------------|--|
| 3<br>Serious             | Severe disintegration may be present. The reinforcing steel is exposed with advanced stages of corrosion. There is severe section loss in critical stress areas. Bearing areas are seriously deteriorated with considerable loss of bearing. Severe scouring or undermining of the footings affects the stability of the unit. Settlement may have occurred. Shoring is considered necessary to maintain the safety and alignment of the structure. There is severe undermining of a spread footing. Severe impact damage. |
| 2<br>Critical            | The concrete cap is soft and spalling, with reinforcing steel exposed with no bond to concrete. The top of the cap is split or a pillar has undergone a shear failure. Scouring is sufficient that the substructure is near a state of collapse. Piers or bents have settled.  |
| 1<br>Imminent<br>Failure | Major deterioration or section loss present in critical structural components or obvious vertical or horizontal movement affecting structural stability is present. Bridge is closed to traffic but corrective action may put it back in light service.  |
| 0<br>Failed              | Out of service, beyond corrective action.  |

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	60	<b>Item Name:</b>	Substructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Substructure (60)	<b>Misc. Fields:</b>	Rating Based On, Substruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Steel Substructure

**Instructions:** Enter the appropriate code from the drop-down menu for the overall condition of the substructure:

N  
Not Applicable      Used for underfill structures, culverts, and spandrel arches where footings cannot be seen.

9  
Excellent      There are no noticeable or noteworthy deficiencies that affect the condition of the substructure. There may be insignificant scrape marks caused by drift or collision.

8  
Very Good      There may be insignificant damage caused by drift or collision with no resulting misalignment.

7  
Good      Leakage of expansion devices may have started minor rusting without measurable section loss. Minor scouring may have occurred.

6  
Satisfactory      Corrosion, but no measurable section loss may be present. Shallow, local scouring may have occurred near the foundation.

5  
Fair      Corrosion with measurable but minor section loss of less than 5% may be present. Scour may be progressive and/or is becoming more prominent with possible top of footing exposure. However, no misalignment or settlement is noted.

4  
Poor      Corrosion with extensive section loss, between 5% and 10% may be present. Extensive scouring or undermining of the footing is affecting the stability of the unit and requires corrective action. Settlement that is causing stress on the structure, or is creating a hazardous riding surface on the roadway above. Wingwall rotation causing roadway settlement. Severe impact damage.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	60	<b>Item Name:</b>	Substructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Substructure (60)	<b>Misc. Fields:</b>	Rating Based On, Substruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Steel Substructure (continued)

**Instructions:** Enter the appropriate code from the drop-down menu for the overall condition of the substructure:

- |                          |   |
|--------------------------|---|
| 3<br>Serious             | There is severe section loss of greater than 10% in critical stress areas. Bearing areas are seriously deteriorated with considerable loss of bearing. Severe scouring or undermining of the footings affects the stability of the unit. Settlement may have occurred. Shoring is considered necessary to maintain the safety and alignment of the structure. There is severe undermining of a spread footing. Severe impact damage may be present. |
| 2<br>Critical            | Members have critical section loss. Holes in the web and/or knife-edged flanges are typical. Scouring is sufficient that the substructure is near a state of collapse. Piers or bents have settled.   |
| 1<br>Imminent<br>Failure | Major deterioration or section loss present in critical structural components or obvious vertical or horizontal movement affecting structural stability is present. Bridge is closed to traffic but corrective action may put it back in light service.   |
| 0<br>Failed              | Out of service, beyond corrective action.   |

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	60	<b>Item Name:</b>	Substructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Substructure (60)	<b>Misc. Fields:</b>	Rating Based On, Substruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Timber Substructure

**Instructions:** Enter the appropriate code from the drop-down menu for the overall condition of the substructure:

N  
Not Applicable      Used for underfill structures, culverts, and spandrel arches where footings cannot be seen.

9  
Excellent      There are no noticeable or noteworthy deficiencies that affect the condition of the substructure. There may be insignificant scrape marks caused by drift or collision.

8  
Very Good      There may be insignificant damage caused by drift or collision with no resulting misalignment.

7  
Good      Insignificant decay, cracking or splitting may be present. Minor scouring may have occurred.

6  
Satisfactory      Minor decay, cracking or splitting may be present. Fire damage is limited to surface scorching with no measurable section loss.

5  
Fair      Moderate decay, cracking or splitting may be present. A few secondary members may need replacement. Fire damage is limited to surface charring with minor, measurable section loss. There may be some exposure of piles as a result of erosion, reducing penetration.

4  
Poor      Substantial decay, cracking, splitting or crushing of primary members, requiring replacement. Section loss greater than 5%. Extensive exposure of piles as a result of erosion, thus reducing penetration and affecting the stability of the unit. Settlement that is causing stress on the structure, or is creating a hazardous riding surface on the roadway above may be present. Wingwall rotation causing roadway settlement may be present. Severe impact damage may be present.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	60	<b>Item Name:</b>	Substructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Substructure (60)	<b>Misc. Fields:</b>	Rating Based On, Substruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Timber Substructure (continued)

**Instructions:** Enter the appropriate code from the drop-down menu for the overall condition of the substructure:

- |                          |   |
|--------------------------|---|
| 3<br>Serious             | There is severe section loss in critical stress areas and section loss greater than 10% of the cross sectional area. Bearing areas are seriously deteriorated with considerable loss of bearing. Settlement may have occurred. Shoring is considered necessary to maintain the safety and alignment of the structure. There is severe undermining of a spread footing. Severe impact damage may be present. |
| 2<br>Critical            | The primary members are crushed or split and ineffective. Piers or bents have settled. Section loss greater than 20% of the cross sectional area may be present. Scouring is sufficient that the substructure is near a state of collapse.  |
| 1<br>Imminent<br>Failure | Major deterioration or section loss present in critical structural components or obvious vertical or horizontal movement affecting structural stability. Bridge is closed to traffic but corrective action may put it back in light service.  |
| 0<br>Failed              | Out of service, beyond corrective action.   |

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	60	<b>Item Name:</b>	Substructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Substructure (60)	<b>Misc. Fields:</b>	Rating Based On, Substruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Masonry Substructure

**Instructions:** Enter the appropriate code from the drop-down menu for the overall condition of the substructure:

N  
Not Applicable      Used for underfill structures, culverts, and spandrel arches where footings cannot be seen.

9  
Excellent      There are no noticeable or noteworthy deficiencies that affect the condition of the substructure. There may be insignificant scrape marks caused by drift or collision.

8  
Very Good      There may be insignificant spalling of the masonry units. Damage caused by drift or collision may have occurred, but with no resulting misalignment.

7  
Good      There may be minor cracking or the mortar or spalls/cracking of the masonry units with no detrimental effect on bearing area. Minor scouring may have occurred.

6  
Satisfactory      Minor deterioration or disintegration and spalls or cracking of the masonry units or mortar with little or no loss of bearing area. Shallow, local scouring may have occurred near the foundation.

5  
Fair      Minor deterioration or disintegration and spalls or cracking of the masonry units and mortar with little or no loss of the bearing area may be present. Scour may be progressive and/or is becoming more prominent with possible top of footing exposure. However, no misalignment or settlement is noted.

4  
Poor      Structural cracks or settlement with advanced deterioration of the masonry units and mortar may be present. Additional backfilling is required. Extensive scouring or undermining of the footing is affecting the stability of the unit and requires corrective action. Settlement that is causing stress on the structure, or is creating a hazardous riding surface on the roadway above may be present. Wingwall rotation causing roadway settlement may be present. Severe impact damage may be present.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	60	<b>Item Name:</b>	Substructure Condition
<b>Main Tab/Sub Tab:</b>	Primary/Substructure (60)	<b>Misc. Fields:</b>	Rating Based On, Substruc. Comm.
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the Masonry Substructure (continued)

**Instructions:** Enter the appropriate code from the drop-down menu for the overall condition of the substructure:

- |                          |  |
|--------------------------|--|
| 3<br>Serious             | Severe disintegration of the masonry units and mortar. There is severe section loss in critical stress areas. Bearing areas are seriously deteriorated with considerable loss of bearing. Severe scouring or undermining of the footings affects the stability of the unit. Settlement may have occurred. Shoring is considered necessary to maintain the safety and alignment of the structure. There is severe undermining of a spread footing. Severe impact damage may be present. |
| 2<br>Critical            | Scouring is sufficient that the substructure is near a state of collapse. Piers or bents have settled.   |
| 1<br>Imminent<br>Failure | Major deterioration or section loss present in critical structural components or obvious vertical or horizontal movement affecting structural stability. Bridge is closed to traffic but corrective action may put it back in light service.   |
| 0<br>Failed              | Out of service, beyond corrective action.  |

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	61	<b>Item Name:</b>	Channel Condition
<b>Main Tab/Sub Tab:</b>	Primary/Channel (61)	<b>Misc. Fields:</b>	Rating Based On
<b>Main Tab/Sub Tab:</b>	Primary/Channel (61)	<b>Misc. Fields:</b>	Overall Channel Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item describes the physical conditions associated with the flow of water through the bridge such as stream stability and the condition of the channel, riprap, slope protection, or stream control devices including spur dikes.

**Instructions:** Enter the 1 digit code that best describes the condition of the channel and channel protection. Pay particular attention to visible signs of excess water velocity that may undermine slope protection or footings, as well as erosion and channel realignment.

- N - Not applicable
- 9 - No noticeable deficiencies
- 8 - Banks are protected
- 7 - Bank protection needs minor repairs
- 6 - Bank slump, widespread minor damage
- 5 - Bank eroded, major damage
- 4 - Protection severely undermined, severe damage
- 3 - Protection failure
- 2 - Near collapse
- 1 - Closed because of failure, corrective action
- 0 - Closed because of failure, replacement needed

More specific guidance on the condition ratings is given on the next pages.

**Notes:** -

## INDOT Coding Guide: Bridge Reporting for Appraisal & Greater Inventory

<b>Item Number:</b>	61	<b>Item Name:</b>	Channel Condition
<b>Main Tab/Sub Tab:</b>	Primary/Channel (61)	<b>Misc. Fields:</b>	Rating Based On
<b>Main Tab/Sub Tab:</b>	Primary/Channel (61)	<b>Misc. Fields:</b>	Overall Channel Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Channel and channel protection (continued)

**Instructions:** Enter the 1 digit code that best describes the condition of the channel and channel protection.

DRAFT

N Not Applicable	Not over waterway.
9 Excellent	No noticeable deficiencies.
8 Very Good	Banks protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable state.
7 Good	Bank protection needs minor repair. River control and embankment protection show minor damage. Banks and/or channel have minor amounts of drift.
6 Satisfactory	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor streambed movement evident. Debris is restricting the channel slightly.
5 Fair	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and brush restrict the channel. Signs of lateral movement.
4 Poor	Bank and embankment protection are severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. Significant channel migration.
3 Serious	Bank protection has failed. River control devices have been destroyed. Streambed aggradation, degradation or lateral movement has changed the channel and now threatens the bridge and/or the approach roadway. Drift/debris blocks more than half the channel and/or floodplain.

**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	61	<b>Item Name:</b>	Channel Condition
<b>Main Tab/Sub Tab:</b>	Primary/Channel (61)	<b>Misc. Fields:</b>	Rating Based On
<b>Main Tab/Sub Tab:</b>	Primary/Channel (61)	<b>Misc. Fields:</b>	Overall Channel Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Channel and channel protection (continued)

**Instructions:** Enter the 1 digit code that best describes the condition of the channel and channel protection.

2      The channel has changed to the extent the bridge is near a state of collapse. Drift/debris completely blocks the channel and/or floodplain.  
Critical

1      Bridge is closed because of channel failure. Corrective action may put it back in light service.  
Imminent Failure

0      Bridge closed because of channel failure. Replacement necessary.  
Failed

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	62	<b>Item Name:</b>	Culvert Condition
<b>Main Tab/Sub Tab:</b>	Primary/Culvert (62)	<b>Misc. Fields:</b>	Rating Based On, Overall Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/ Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item describes the overall condition rating of the culvert/underfill structure. Evaluate the alignment, settlement, joints, structural condition, scour, and other items associated with culverts/underfill structures.

**Instructions:** Enter the 1 digit code that best describes the condition of the culvert/underfill structure.

- N - Not applicable
- 9 - No deficiencies
- 8 - No noteworthy deficiencies
- 7 - Shrinkage cracks/insignificant spalling
- 6 - Deterioration or initial disintegration
- 5 - Moderate or major deterioration
- 4 - Large spalls, heavy scaling, wide cracks
- 3 - Any condition in 4 but excessive in scope
- 2 - Wingwalls collapsed, severe settlement of road
- 1 - Bridge closed. Corrective action possible
- 0 - Bridge closed. Replacement necessary

**Notes:** This item is used to calculate the Sufficiency Rating.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	62	<b>Item Name:</b>	Culvert Condition
<b>Main Tab/Sub Tab:</b>	Primary/Culvert (62)	<b>Misc. Fields:</b>	Rating Based On, Overall Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/ Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the culvert/underfill structure (continued)

**Instructions:** Culvert/underfill structures are generally structures where vehicles do not drive directly on a structural deck set on superstructure elements. Closed spandrel concrete arches are considered underfill structures if the level of soil or fill is higher than the level of the copings or headwall/spandrel walls.

General  
Comments

Flexible culvert/underfill structures have little structural bending strength and depend on the backfill support to resist bending. They are generally constructed of steel or aluminum. Rigid culverts carry the load utilizing the structural strength of the pipe or box with little benefit from the surrounding soil. Rigid culvert/underfill structures are generally constructed of concrete, stone, or masonry.

Wingwalls integral with the culvert to the first construction or expansion joint shall be included in the evaluation.

Enter N for structures that are not culverts or underfill structures.

For all culverts/underfill structures, item 58 - Deck, item 59 - Superstructure, and item 60 - Substructure shall be coded N.

See the following pages for a detailed description of each condition rating for flexible and rigid culvert/underfill structures.

**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	62	<b>Item Name:</b>	Culvert Condition
<b>Main Tab/Sub Tab:</b>	Primary/Culvert (62)	<b>Misc. Fields:</b>	Rating Based On, Overall Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/ Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the flexible culvert/underfill structure, such as those constructed of steel or aluminum

**Instructions:** Enter the 1 digit code that best describes the condition of the flexible culvert/underfill structure, such as one constructed of steel or aluminum.

N  
Not Applicable      Not a culvert/underfill structure.

9  
Excellent      No deficiencies, new condition.

8  
Very Good      No noteworthy deficiencies. Superficial corrosion, no pitting, minor construction defects, protective coating for steel intact. Smooth curvature. Horizontal shapes measurements within 10% of design for round pipes, 3% for pipe arches. Rise in structural plate arches within 3% of design. Seams tight. No erosion at footings.

7  
Good      Some minor problems. No significant damage, no misalignment. Smooth symmetrical curvature with superficial corrosion or slight pitting. Local section loss less than 10%. The protective coating is ineffective. Top half of the pipe is smooth. Minor flattening of the bottom of round pipe. Bottom half flattened but still curved for pipe arches. Horizontal shape measurements are within 10% of design for round pipes, and within 3 to 5% greater than design for pipe arches. Structural plate arches have a smooth and symmetrical shape with slight flattening of top or sides in one section, and the rise is within 3 to 4% of design. Footings have minor erosion causing minor differential settlement and minor cracking in footing. Local minor scouring near the cut-off walls, wingwalls, or pipes.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	62	<b>Item Name:</b>	Culvert Condition
<b>Main Tab/Sub Tab:</b>	Primary/Culvert (62)	<b>Misc. Fields:</b>	Rating Based On, Overall Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/ Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Flexible culvert/underfill structure condition (continued)

**Instructions:** Enter the 1 digit code that best describes the condition of the flexible culvert/underfill structure, such as one constructed of steel or aluminum.

6  
Satisfactory

Structural elements show some minor deterioration. Smooth curvature, but non-symmetrical shape. Local section loss up to 25%. The top half of the pipe has a smooth curvature but the bottom half has flattened significantly for round pipes, or has flattened for pipe arches. Horizontal shape measurements are within 10% of design for round pipes, and 5% greater than design for pipe arches. Structural plate arches have a smooth but non-symmetrical shape with slight flattening of top and sides throughout, and the rise is within 4% to 5% of design. Hairline cracking at the bolt holes in one or more seams, 1 inch or less openings, and evidence of minor backfill infiltration at the joints and seams. Footings have moderate cracking and differential settlement due to moderate erosion. Minor scouring at the cutoff walls, wingwalls, or pipes.

5  
Fair

Moderate to major deterioration. Primary structural elements sound. Significant distortion and deflection in one section, significant corrosion or deep pitting. Moderate thinning with global section loss less than 10%, and/or local section loss less than 50%. Significant distortion at isolated locations in the top half and extreme flattening of the invert for round pipe, or slight reverse curvature in one location for pipe arches. Horizontal shape measurements are between 10% and 15% greater than design for round pipe, or within 5% to 7% for pipe arches. For structural plate arches, there is significant distortion and deflection in one section, the sides are beginning to flatten, the shape is non-symmetrical, and the rise is within 5% to 7% of design. Moderate cracking at the bolt holes in one seam near the bottom of pipe. Slight deflection of pipe caused by backfill infiltration through joints and seams. Minor settlement or misalignment. Conspicuous scouring or erosion at cut-off walls, wingwalls, or pipes.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	62	<b>Item Name:</b>	Culvert Condition
<b>Main Tab/Sub Tab:</b>	Primary/Culvert (62)	<b>Misc. Fields:</b>	Rating Based On, Overall Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/ Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Flexible culvert/underfill structure condition (continued)

**Instructions:** Enter the 1 digit code that best describes the condition of the flexible culvert/underfill structure, such as one constructed of steel or aluminum.

4  
Poor      Advanced section loss. Considerable settlement or misalignment. Significant distortion and deflection throughout and extensive corrosion or deep pitting. Pronounced thinning. Some deflection or penetration when struck with pick hammer. Global section loss up to 20%, local section loss up to 75%. Round pipes have significant distortion throughout length of pipe and the lower third may be kinked. Pipe arches have significant distortion along the top of arch and the bottom has reverse curvature. Horizontal shape measurements are between 10 to 15% greater than design for round pipe, and more than 7% greater for pipe arches. For structural plate arches, there is significant distortion and deflection throughout, the sides are flattened with radius no more than 100% greater than design, and the rise is within 7% to 8% of design. Cracking at the bolt holes on one seam near top of pipe, with up to 2 inch crack propagation on each side of the bolt holes. Backfill infiltration through open joints and seams. Settlement has caused damage to the arch. Major cracking in the footing. Considerable scouring or erosion at cut-off walls, wingwalls, or pipes.

**Notes:** -

## INDOT Coding Guide: Bridge Reporting for Appraisal & Greater Inventory

<b>Item Number:</b>	62	<b>Item Name:</b>	Culvert Condition
<b>Main Tab/Sub Tab:</b>	Primary/Culvert (62)	<b>Misc. Fields:</b>	Rating Based On, Overall Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/ Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Flexible culvert/underfill structure condition (continued)

**Instructions:** Enter the 1 digit code that best describes the condition of the flexible culvert/underfill structure, such as one constructed of steel or aluminum.

3 Serious	<p>Loss of section or spalling has seriously affected the primary structural elements. Local failures possible. Severe movement or differential settlement of the segments and loss of fill. Extreme distortion and deflection in one section, extensive corrosion, or deep pitting with scattered perforations. Global section loss up to 30%, local section loss up to 100%. Round pipes have extreme deflection at isolated locations, flattening of crown, and a crown radius of 20 to 30 feet. Pipe arches have extreme deflection in top arch in one section and the bottom has reverse curvature throughout. Horizontal shape measurements are in excess of 15% greater than design for circular pipes, and over 7% greater for pipe arches. For structural plate arches, there is extreme distortion and deflection in one section, the sides are virtually flat, the shape is extremely non-symmetrical, and the rise is within 8% to 10% of design. Up to 3 inch long cracks on either side of bolt holes on one or more seams. Severe scour or erosion at cut-off walls, wingwalls or pipes.</p>
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**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	62	<b>Item Name:</b>	Culvert Condition
<b>Main Tab/Sub Tab:</b>	Primary/Culvert (62)	<b>Misc. Fields:</b>	Rating Based On, Overall Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/ Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Flexible culvert/underfill structure condition (continued)

**Instructions:** Enter the 1 digit code that best describes the condition of the flexible culvert/underfill structure, such as one constructed of steel or aluminum.

2  
Critical      Wingwalls collapsed, severe settlement of the road. Advanced deterioration of primary structural elements. Unless closely monitored, it may be necessary to close the structure until corrective action is taken. Extreme distortion and deflection throughout. Extensive perforations due to corrosion on up to 5% of the structure. Round pipes have extreme deflection and distortion throughout the pipe, flattening of the crown, and a crown radius over 30 feet. Pipe arches have extreme deflection along the top of the pipe. Horizontal shape measurements are in excess of 20% greater than design for circular pipes, and 7% greater for pipe arches. For structural plate arches, there is extreme distortion and deflection throughout, the sides are flattened, the shape is extremely non-symmetrical, and the rise is not within 10% of design. Seams are cracked from bolt to bolt with significant amounts of backfill infiltration. Severe differential settlement of the footing has caused distortion and kinking of the arch. Complete undermining at cut-off walls and pipes.

1  
Imminent Failure      Bridge closed, corrective action possible. Partial Collapse. Obvious vertical or horizontal movement affecting structural stability. The invert is completely deteriorated. Reverse curvature of the crown in round pipes. Seams have failed.

0  
Failed      Bridge closed, replacement necessary.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	62	<b>Item Name:</b>	Culvert Condition
<b>Main Tab/Sub Tab:</b>	Primary/Culvert (62)	<b>Misc. Fields:</b>	Rating Based On, Overall Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/ Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Condition of the rigid culvert/underfill structure, such as those constructed of concrete, masonry, or stone

**Instructions:** Enter the 1 digit code that best describes the condition of the rigid culvert/underfill structure.

N Not a culvert/underfill structure.  
Not Applicable

9 No deficiencies, new condition.  
Excellent

8 No noteworthy deficiencies. No settlement or misalignment. Joints are tight with no defects apparent. No cracking, spalling, or scaling. Mortar is tight with no defects apparent. No cracking, missing, or dislocated masonry. Surface is in good condition.

7 Insignificant damage. Scaling or spalling which does not expose reinforcing steel. No settlement. Misalignment less than 1 inch at joints. Joints have up to ½ inch wide openings. Joint material is deteriorated at up to 5% of joints. Hairline cracking at isolated locations. Shallow mortar deterioration at up to 5% of the underfill structure. Surface deterioration of masonry at isolated locations. Local minor scouring near the cut-off walls, wingwalls, or pipes.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	62	<b>Item Name:</b>	Culvert Condition
<b>Main Tab/Sub Tab:</b>	Primary/Culvert (62)	<b>Misc. Fields:</b>	Rating Based On, Overall Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/ Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Rigid culvert/underfill structure condition (continued)

**Instructions:** Enter the 1 digit code that best describes the condition of the rigid culvert/underfill structure.

6  
Satisfactory

Structural elements show minor deterioration. Minor chloride contamination, cracking with some leaching or spalls. Up to 1 inch of misalignment and settlement at isolated locations. Joint material is generally deteriorated with minor cracking or spalling at joints. Joints have 1 inch maximum separations with possible infiltration or exfiltration. Cracks with widths less than 1/8 inch, some with minor delaminations or spalling. Shallow mortar deterioration over no more than 20% of the structure, missing mortar at isolated locations, possible infiltration or exfiltration, and minor cracking. Minor cracking of masonry units. Minor scouring near the cut-off walls, wingwalls, or pipes.

5  
Fair

Primary structural elements sound. Extensive cracking and moderate leaching, or spalls on concrete walls and slabs. Up to 2 inches of misalignment and settlement throughout the pipe with possible piping. Joints are open and allowing backfill to infiltrate. Significant cracking or joint spalling. Crack widths greater than 1/8 inch with moderate delamination and moderate spalling exposing reinforcing steel at up to 5% of the structure. Large areas of invert with surface scaling or spalls greater than 1/4 inch deep. Mortar is deteriorated at up to 50% of the structure with loose or missing mortar at up to 5% of the structure. Infiltration staining is apparent. Minor cracking and slight dislocation of masonry units. Large areas of surface scaling. Conspicuous scouring or erosion at cut-off walls, wingwalls, or pipes.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	62	<b>Item Name:</b>	Culvert Condition
<b>Main Tab/Sub Tab:</b>	Primary/Culvert (62)	<b>Misc. Fields:</b>	Rating Based On, Overall Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/ Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Rigid culvert/underfill structure condition (continued)

**Instructions:** Enter the 1 digit code that best describes the condition of the rigid culvert/underfill structure.

4  
Poor

Advanced deterioration or spalling. Exposed reinforcement, heavy scaling, considerable efflorescence, or opened construction joints permitting loss of backfill. Up to 3 inches of misalignment and settlement of the pipe with evidence of piping. The end sections of precast pipes are dislocated. Up to 2 inches of differential movement and separation at the joints with significant infiltration and exfiltration. Extensive cracking with crack widths greater than 1/8 inch with efflorescence and spalling at up to 10% of the underfill structure. At up to 5% of the underfill structure, spalls with exposed and corroded reinforcing steel with no more than 10% section loss. Invert has extensive surface scaling greater than 1/2 inch deep. Mortar is severely deteriorated over no more than 75% of the structure. Loss of mortar, infiltration and exfiltration between masonry and stone units. Displacement of individual units. Considerable scouring or erosion at cut-off walls, wingwalls, or pipes.

3  
Serious

Spalling has seriously affected the primary structural components. Local failures possible. Shear cracks may be present. Up to 4 inches of ponding water due to sagging and misalignment of the structure. End section of precast pipes has dropped off. Up to 3 inch joint openings and differential movement. Dislocated joints in several locations, exposing fill material. Infiltration or exfiltration causing misalignment of pipe and depressions or settlement in the roadway. Extensive cracking throughout no more than 30% of the structure. Spalling with exposed reinforcement that has 10% section loss throughout no more than 10% of the structure. Scaling has exposed reinforcing steel in bottom of top slab or invert. Severe scour or erosion at cut-off walls, wingwalls or pipes.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	62	<b>Item Name:</b>	Culvert Condition
<b>Main Tab/Sub Tab:</b>	Primary/Culvert (62)	<b>Misc. Fields:</b>	Rating Based On, Overall Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/ Condition	<b>Misc. Fields:</b>	Simple Condition Statement, Material
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Rigid culvert/underfill structure condition (continued)

**Instructions:** Enter the 1 digit code that best describes the condition of the rigid culvert/underfill structure.

- |                          |  |
|--------------------------|--|
| 2<br>Critical            | Wingwalls collapsed, severe settlement of road. Severe cracks with more than 2 inches of differential movement. Exposed reinforcement with more than 20% section loss throughout at least 20% of the structure. Top slab or invert concrete is completely deteriorated over more than 3% of the structure. Complete undermining at cut-off walls or pipes. |
| 1<br>Imminent<br>Failure | Bridge closed, corrective action possible. Major deterioration of critical structural components or obvious vertical or horizontal movement affecting structural stability. Partial Collapse.  |
| 0<br>Failed              | Bridge closed, replacement necessary. Partial or complete collapse.  |

**Notes:** -































## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 73      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**     Yes

**Toll Road:**     Yes

**Input Format:**     Drop-Down     Manual

**INDOT:**     Yes

**County/Local:**     Yes

**NBIS Underrec.:**     Yes

**Description:** -

**Instructions:** -

**Notes:** -

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## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 74      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input type="checkbox"/> Yes	<b>Toll Road:</b> <input type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down <input type="checkbox"/> Manual
<b>INDOT:</b> <input type="checkbox"/> Yes	<b>County/Local:</b> <input type="checkbox"/> Yes	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** -

**Instructions:** -

**Notes:** -

DRAFT



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 75A                      **Item Name:** Type of Work Proposed

<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Prop. Improvements	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item describes the type of work proposed to improve the structure to the point that it will provide the type of service needed.

**Instructions:** Enter the appropriate 2 digit code from the drop-down menu.

- (BLANK) – NO MAJOR WORK NEEDED
- 31 - REPLACEMENT - LOAD/GEOMETRY
- 32 - REPLACEMENT - RELOCATION
- 33 - WIDENING - NO DECK REHAB
- 34 - WIDENING- WITH DECK REHAB
- 35 - REHABILITATION - DETERIORATION
- 36 - DECK REHABILITATION - SOME WIDENING
- 37 - DECK REPLACEMENT - SOME WIDENING
- 38 - OTHER STRUCTURAL WORK

This item must be coded for bridges eligible for the Highway Bridge Replacement and Rehabilitation Program. To be eligible, a bridge must carry highway traffic and be deficient with a sufficiency rating of 80.0 or less; if this is not the case and this item is coded (not left blank), an error will result when running the error check.

The Inspector is required to run the Unofficial Sufficiency Rating computation and then run the error check. If errors are reported, then the inspector will need to complete items 73, 75, 76, 94, 95, 96, and 97 with the appropriate data to complete these fields and address the errors. The Inspector should code the appropriate work type to address the items that cause the bridge to be eligible. The bridge does not have to actually be programmed for work by the owner.

See the following page for a detailed description of each type of work.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 75A      **Item Name:** Type of Work Proposed

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Prop. Improvements      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Type of Work (continued)

**Instructions:** Enter the appropriate 2 digit code from the drop-down menu.

- 31 Replacement of bridge or culvert/underfill structure because of substandard load carrying capacity or substandard bridge roadway geometry.
- 32 Replacement of bridge or culvert/underfill structure because of relocation of the road.
- 33 Widening of existing bridge or culvert/underfill structure without deck rehabilitation or replacement.
- 34 Widening of existing bridge with deck rehabilitation or replacement.
- 35 Bridge or culvert/underfill structure rehabilitation because of general structure deterioration or inadequate strength.
- 36 Bridge deck rehabilitation with only incidental widening.
- 37 Bridge deck replacement with only incidental widening.
- 38 Other structural work, including hydraulic replacements.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 75B                      **Item Name:** Work Done By

**Main Tab/Sub Tab:** SI&A/All                      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Prop. Improvements                      **Misc. Fields:** -

**Main Tab/Sub Tab:** -                      **Misc. Fields:** -

**Main Tab/Sub Tab:** -                      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down <input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b> <b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:**    This item indicates whether the proposed work will be done by contract or by local forces.

**Instructions:**    Enter the appropriate 1 digit code from the drop down menu.

(BLANK) – NO MAJOR WORK NEEDED  
 1 - CONTRACT  
 2 - LOCAL FORCES

Item 75B must be coded whenever item 75A is coded anything except (BLANK).

Note that since this is related to using Federal Bridge Funds, it will be very rare in Indiana to ever code this as 2. Refer to items related to maintenance work for issues that Local Forces should address.

**Notes:**                      -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 76      **Item Name:** Length of Struc. Improv.

<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Prop. Improvements	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

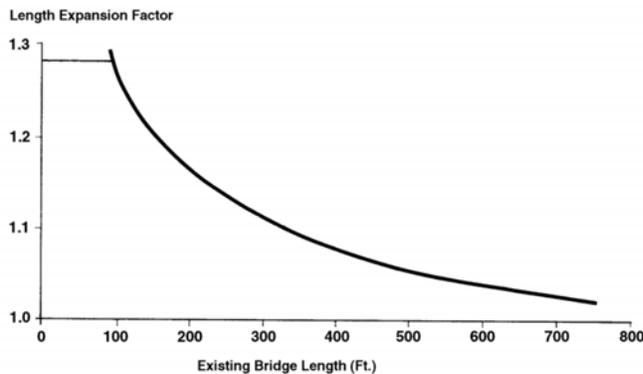
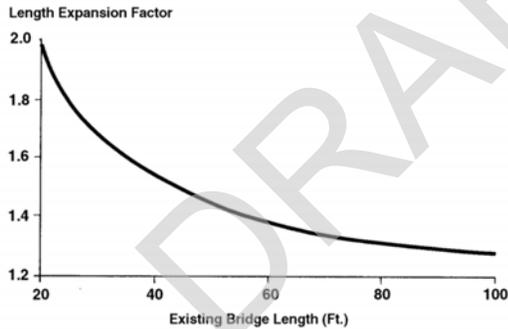
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	XXXXXX	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Length of Structure Improvement (continued)

**Instructions:**

### Increased Length of Replaced Bridges

Replaced Bridge Length = Existing Bridge Length x Length Expansion Factor



**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 77      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**     Yes

**Toll Road:**     Yes

**Input Format:**     Drop-Down

Manual

**INDOT:**     Yes

**County/Local:**     Yes

**NBIS Underrec.:**     Yes

**Description:** -

**Instructions:** -

**Notes:** -

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## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 78      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**     Yes

**Toll Road:**     Yes

**Input Format:**     Drop-Down

Manual

**INDOT:**     Yes

**County/Local:**     Yes

**NBIS Underrec.:**     Yes

**Description:** -

**Instructions:** -

**Notes:** -

DRAFT

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 79      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**     Yes

**Toll Road:**     Yes

**Input Format:**     Drop-Down

Manual

**INDOT:**     Yes

**County/Local:**     Yes

**NBIS Underrec.:**     Yes

**Description:** -

**Instructions:** -

**Notes:** -

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## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 80      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**     Yes

**Toll Road:**     Yes

**Input Format:**     Drop-Down

Manual

**INDOT:**     Yes

**County/Local:**     Yes

**NBIS Underrec.:**     Yes

**Description:** -

**Instructions:** -

**Notes:** -

DRAFT

**INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory***

**Item Number:** 81      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input type="checkbox"/> Yes	<b>Toll Road:</b> <input type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down <input type="checkbox"/> Manual
<b>INDOT:</b> <input type="checkbox"/> Yes	<b>County/Local:</b> <input type="checkbox"/> Yes	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** -

**Instructions:** -

**Notes:** -

DRAFT

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 82      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**     Yes

**Toll Road:**     Yes

**Input Format:**     Drop-Down

Manual

**INDOT:**     Yes

**County/Local:**     Yes

**NBIS Underrec.:**     Yes

**Description:** -

**Instructions:** -

**Notes:** -

DRAFT

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 83      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input type="checkbox"/> Yes	<b>Toll Road:</b> <input type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input type="checkbox"/> Yes	<b>County/Local:</b> <input type="checkbox"/> Yes	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes	

**Description:** -

**Instructions:** -

**Notes:** -

DRAFT

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 84      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**     Yes

**Toll Road:**     Yes

**Input Format:**     Drop-Down

Manual

**INDOT:**     Yes

**County/Local:**     Yes

**NBIS Underrec.:**     Yes

**Description:** -

**Instructions:** -

**Notes:** -

DRAFT

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 85      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input type="checkbox"/> Yes	<b>Toll Road:</b> <input type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down <input type="checkbox"/> Manual
<b>INDOT:</b> <input type="checkbox"/> Yes	<b>County/Local:</b> <input type="checkbox"/> Yes	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** -

**Instructions:** -

**Notes:** -

DRAFT

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 86      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**     Yes

**Toll Road:**     Yes

**Input Format:**     Drop-Down

Manual

**INDOT:**     Yes

**County/Local:**     Yes

**NBIS Underrec.:**     Yes

**Description:** -

**Instructions:** -

**Notes:** -

DRAFT

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 87      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input type="checkbox"/> Yes	<b>Toll Road:</b> <input type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down <input type="checkbox"/> Manual
<b>INDOT:</b> <input type="checkbox"/> Yes	<b>County/Local:</b> <input type="checkbox"/> Yes	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** -

**Instructions:** -

**Notes:** -

DRAFT

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 88      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**     Yes

**Toll Road:**     Yes

**Input Format:**     Drop-Down

Manual

**INDOT:**     Yes

**County/Local:**     Yes

**NBIS Underrec.:**     Yes

**Description:** -

**Instructions:** -

**Notes:** -

DRAFT

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 89      **Item Name:** Not Used; FHWA Reserved

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**NBIS:**     Yes

**Toll Road:**     Yes

**Input Format:**     Drop-Down

Manual

**INDOT:**     Yes

**County/Local:**     Yes

**NBIS Underrec.:**     Yes

**Description:** -

**Instructions:** -

**Notes:** -

DRAFT





## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	92	<b>Item Name:</b>	Critical Feature Inspection
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Main/Sub Tab:</b>	FC-UW-Spec./92B NBI Data
<b>Main Tab/Sub Tab:</b>	SI&A/Inspection	<b>Main/Sub Tab:</b>	FC-UW-Spec./92C Special Data
<b>Main Tab/Sub Tab:</b>	FC-UW-Spec./92A Data	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	FC-UW-Spec./92A Req.	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes	

**Description:** This is a composite item composed of three segments: 92A, 92B, and 92C. The segments identify critical features that require in-depth or special inspections, along with the inspection interval, in months.

**Instructions:** See the following pages for instructions regarding the component segments 92A, 92B, and 92C.

Inspectors cannot make changes to critical feature inspection requirements (necessity or frequency) in items 92A, 92B, or 92C. They can make a recommendation to change these via items 92XA, 92XB, and 92XC. If the Inspector agrees with both the current necessity and frequency of a critical feature inspection (e.g., 92A.01 and 92A.02), then he should not fill in the corresponding 92X fields (e.g., 92XA.01 and 92XA.02); these shall be kept blank. If Inspectors propose changes they will need to email the State Program Manager and submit the report with this recommendation to the State Program Manager with a comment in the Submit Box. Documentation on why the change is needed is required in the comment field associated with the 92X item in the database. The State Program Manager will either concur or not and add a comment on his decision. If he agrees, he will change the official data (92A, 92B, or 92C). If he does not, he will remove the proposed 92X values and explain why in a comment. The goal is to keep the proposed values blank unless there is a change being considered. A query of the official and unofficial data will be run on a quarterly basis to check for discrepancies.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	92A	<b>Item Name:</b>	Fracture Critical Details
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Main/Sub Tab:</b>	FC-UW-Spec./92A Req.
<b>Main Tab/Sub Tab:</b>	SI&A/Inspection	<b>Main/Sub Tab:</b>	-
<b>Main Tab/Sub Tab:</b>	FC-UW-Spec./92A Data	<b>Misc. Fields:</b>	Notes and Comments for 92A
<b>Main Tab/Sub Tab:</b>	FC-UW-Spec./92C Special	<b>Misc. Fields:</b>	Notes and Comments for 92A
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down <input type="checkbox"/> Manual	
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes	

**Description:** This segment of item 92 is itself composed of two subparts, 92A.01 and 92A.02. These subparts denote whether a fracture critical inspection is required and the inspection interval, in months, as determined by the State Program Manager.

**Instructions:** See the following pages for instructions regarding the subcomponents 92A.01 and 92A.02.

In item 92XA, Inspectors can make a recommendation to add or remove the inspection type (Y / N) and to change the proposed frequency. If they do so, they must email the Program Manager and send a report to the Program Manager for Approval.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	92A.01	<b>Item Name:</b>	Requires FC Inspection?
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Main/Sub Tab:</b>	FC-UW-Spec./92C Special Data
<b>Main Tab/Sub Tab:</b>	SI&A/Inspection	<b>Main/Sub Tab:</b>	-
<b>Main Tab/Sub Tab:</b>	FC-UW-Spec./92A Data	<b>Misc. Fields:</b>	Reason for FC Rating: Check Boxes
<b>Main Tab/Sub Tab:</b>	FC-UW-Spec./92A Data	<b>Misc. Fields:</b>	Reason for FC Rating: Text Box
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item will either be Y for yes or N for no, indicating whether a fracture critical inspection is required.

**Instructions:** This item is read-only to inspectors, as the need for a fracture critical inspection is determined by the State Program Manager.

DRAFT

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	92A.02	<b>Item Name:</b>	FC Inspection Frequency
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Main/Sub Tab:</b>	FC-UW-Spec./92C Special Data
<b>Main Tab/Sub Tab:</b>	SI&A/Inspection	<b>Main/Sub Tab:</b>	-
<b>Main Tab/Sub Tab:</b>	FC-UW-Spec./92A Data	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	FC-UW-Spec./92A Req.	<b>Misc. Fields:</b>	Reason for Above
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item is a two digit field, indicating inspection frequency, in months. A leading zero will be included, if applicable. The maximum permissible inspection interval per NBIS is 24 months.

**Instructions:** This item is read-only to inspectors, as the fracture critical inspection interval is determined by the State Program Manager. If 92A.01 is N for no (i.e., no fracture critical inspections required), then this field should be blank.

DRAFT

**Questions:** What is the idea behind 92A.02 on FC-UW-Spec./92A Req. Tab? Strongly suggest either eliminating comment field "Reason for Above" and changing label to "Reinspection Frequency", or changing from read-only to input and explicitly labeling as 92XA.02 (i.e., changing 92A.02 to 92XA.02 here). The latter idea corresponds to how 92XB.02 and 92XC.02 are handled in FC-UW-Spec./92B NBI Data and FC-UW-Spec./92C Special Data Tabs, respectively.

**Notes/Issues:** In FC-UW-Spec./92A Req. Tab, 92A.02 is read-only, is not numbered, and has the misleading label of "Proposed Reinspection Frequency". There is also a comment field called "Reason for Above", implying that the user can enter a suggested frequency and justify it with an explanation.



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 92B.01      **Item Name:** Requires UW Inspection?

<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Inspection	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	FC-UW-Spec./92B NBI Data	<b>Misc. Fields:</b>	Reason for UW Insp. (Depth / Loc.)
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item will either be Y for yes or N for no, indicating whether an underwater inspection is required.

**Instructions:** This item is read-only to inspectors, as the need for an underwater inspection is determined by the State Program Manager, based on information provided by inspectors concerning water depth, current and other factors at the substructure unit locations.

DRAFT

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 92B.02      **Item Name:** UW Inspection Frequency

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Inspection      **Misc. Fields:** -

**Main Tab/Sub Tab:** FC-UW-Spec./92B NBI Data      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item is a two digit field, indicating inspection frequency, in months. A leading zero will be included, if applicable. The maximum inspection interval is typically 60 months, although this may be extended to 72 months with FHWA approval.

**Instructions:** This item is read-only to inspectors, as the underwater inspection interval is determined by the State Program Manager. If 92B.01 is N for no (i.e., no underwater inspections required), then this field should be blank.

Note that the current maximum underwater inspection interval is 60 months as INDOT has not requested approval from the FHWA for any extensions.

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 92C.01      **Item Name:** Requires Special Inspection?

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Inspection      **Misc. Fields:** -

**Main Tab/Sub Tab:** FC-UW-Spec./92A Data      **Misc. Fields:** -

**Main Tab/Sub Tab:** FC-UW-Spec./92C Special      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item will either be Y for yes or N for no, indicating whether a special detail inspection is required.

**Instructions:** This item is read-only to inspectors, as the need for a special detail inspection is determined by the State Program Manager.

DRAFT

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 92C.02      **Item Name:** Special Inspection Frequency

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Inspection      **Misc. Fields:** -

**Main Tab/Sub Tab:** FC-UW-Spec./92A Data      **Misc. Fields:** -

**Main Tab/Sub Tab:** FC-UW-Spec./92C Special      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item is a two digit field, indicating inspection frequency, in months. A leading zero will be included, if applicable.

**Instructions:** This item is read-only to inspectors, as the special inspection interval is determined by the State Program Manager. If 92C.01 is N for no (i.e., no special detail inspections required), then this field should be blank.

Inspection intervals greater than 24 months can be allowed for a few categories of Special Details, by the Program Manager, if the Special Detail Plan of Action clearly states how and when and why this is being done, and as long as no deficiencies in the Special Details are found.

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	93A	<b>Item Name:</b>	Fracture Crit. Details – Date
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Main/Sub Tab:</b>	FC-UW-Spec./92C Special Data
<b>Main Tab/Sub Tab:</b>	SI&A/Inspection	<b>Main/Sub Tab:</b>	-
<b>Main Tab/Sub Tab:</b>	FC-UW-Spec./92A Data	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	FC-UW-Spec./92A Req.	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX/XX/XXXX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item represents the date of the last NBIS fracture critical inspection of the structure.

**Instructions:** When creating a new fracture critical inspection report, this date should be changed to reflect the latest (current) inspection. If the inspection is carried out over the course of several days, it is acceptable to enter the last date of the new inspection activities.

The date is entered in the program via a hidden (calendar) dropdown. Note that the Routine Inspection Date (90) may differ from the Fracture Critical Inspection Date (93A), Underwater Inspection Date (93B), or Special Inspection Date (93C), depending on frequency and scheduling / mobilization considerations.

If the structure does not require fracture critical inspections, this field should be blank. If the structure required fracture critical inspections in the past but no longer does so (e.g., due to retrofitting or replacement), the date of the last fracture critical inspection that was completed should be kept in this field. This can be used to find historic data if there should ever be problems with the bridge.

**Notes/Issues:** There is a hidden dropdown (calendar) box, presumably for 93A, in the FC-UW-Spec./92A Req. Tab, at the lower half of the page with "Current Inspection Data". Suggest labeling this as 93A, since its current label is only "Date of Inspection".















## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 97      **Item Name:** Year of Improv. Cost Estimate

<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b> SI&A/Prop. Improvement	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item represents the year upon which the construction costs in items 94, 95, and 96 were based.

**Instructions:** Enter four digits corresponding to the year of the improvement cost estimate. The year and the associated cost estimates of items 94, 95, and 96 must be recent. Only the current year or a date within 8 years of the current year will be acceptable. For example, in the year 2010, it is acceptable for item 97 to be coded either 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, or 2010.

Data must be consistent with items 73, 75, 76, 94, 95, and 96.

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 98A      **Item Name:** Neighboring State Code

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Identification      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies the state with which Indiana shares responsibility for the border bridge in question. If the bridge does not connect Indiana to another state (i.e., it is not a border bridge), leave this blank.

**Instructions:** The options in the drop-down menu are:

- Blank – Not a border bridge
- 175 – Illinois
- 214 – Kentucky
- 215 – Michigan
- 395 – Ohio

Currently there are no border bridges between Indiana and Michigan. There are only local border bridges between Indiana and Ohio. There are a variety of border bridges (i.e., different owners) between Indiana and Illinois and between Indiana and Kentucky.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 98B      **Item Name:** Percentage Responsibility

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Identification      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies the percentage of deck area of the border bridge for which the neighboring state has funding responsibility. This percentage relates to funding for future improvements, and may not represent division of maintenance costs.

**Instructions:** This is a two digit number. Include a leading zero, if applicable. If the bridge does not connect Indiana to another state (i.e., it is not a border bridge), leave this blank.

If the neighboring state is responsible for 100% of the replacement or improvement of the bridge, but Indiana still maintains a bridge file and submits SI&A data to the FHWA, then enter 99. Otherwise, the funding responsibility, in percent, of the neighboring state (identified by item 98A) will be entered. If Indiana is entirely responsible for replacement or improvement costs of the border bridge, enter 00.

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 100      **Item Name:** STRAHNET Hwy. Designation

<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Classification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This indicates whether the inventory record (either on or under the structure) is part of the Strategic Highway Corridor Network (STRAHNET); if not a STRAHNET route itself, the inventory route may still be a STRAHNET connector.

**Instructions:** There are four options in the drop-down list:

- 0 – The inventory route is not a STRAHNET route.
- 1 – The inventory route is on an Interstate STRAHNET route.
- 2 – The inventory route is on a non-Interstate STRAHNET route.
- 3 – The inventory route is on a STRAHNET connector route.

See the following map which illustrates the Eisenhower Interstate System (all Interstate Routes are part of STRAHNET) as well as Non-Interstate STRAHNET Routes and STRAHNET Connectors in Indiana.

**Notes:** This item is used to calculate the Sufficiency Rating.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 100      **Item Name:** STRAHNET Hwy. Designation

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Underrecords      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Classification      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** STRAHNET Highway Designation (continued)

**Instructions:**



**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 101      **Item Name:** Parallel Structure Designation

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Classification      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Underrecords (RO)      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item indicates if separate structures carry the inventory route in opposite directions of travel over the same feature (river, highway, etc.).

**Instructions:** Typically, the direction of inventory will be west to east and south to north, but this may not always be the case for local (non-federal) routes. Facing in the direction of inventory (however it may be defined), the structure at the right-hand side will be designated at the right structure of parallel bridges, and the structure at the left-hand side will be designated the left structure of parallel bridges. Note that as long as the inventory route and feature crossed are the same, the lateral distance between the parallel structures is irrelevant (whether a few feet or a few miles). The basic codes are as follows:

- R – The bridge is the right structure of parallel bridges, as defined above
- L – The bridge is the left structure of parallel bridges, as defined above
- N – No parallel structure exists

For Indiana, this may be simplified to the following codes:

- R – Right structure (Northbound or Eastbound)
- L – Left structure (Southbound or Westbound)
- N – No parallel structure

**Notes/Issues:** Drop-down menu option “R – Right structure (North or East)” should read “R – Right structure (Northbound or Eastbound)”. Drop-down menu option “L – Left structure (South or West)” should read “L – Left Structure (Southbound or Westbound)”.



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 102      **Item Name:** Direction of Traffic

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Classification	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies the direction of traffic on the inventory route.

**Instructions:** Code as follows:

- 0 – Highway traffic not carried
- 1 – 1-way traffic
- 2 – 2-way traffic
- 3 – One lane bridge for 2-way traffic

Note that a Narrow Bridge is defined as having 16 ft to 18 ft wide clearance, and a One Lane Bridge is defined as having less than 16 ft wide clearance. Both conditions require the appropriate signage at each end of the bridge; refer to item 41X.

**Notes:**

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 103      **Item Name:** Temp. Structure Designation

<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Underrecords	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Classification	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> Load Rating/Struc. Data (1)	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies if a temporary structure or condition exists at the bridge. Typically, temporary measures would be those required to facilitate traffic flow before or during replacement or repairs of a deficient bridge.

**Instructions:** Some examples of temporary conditions are:

- Shoring and temporary supports at the bridge
- Temporary repairs to allow the bridge to remain open until further repairs can be effected
- Temporary structures, runarounds, or bypasses
- Temporary traffic restrictions, such as barricaded traffic lanes to avoid overloads from multi-lane traffic and thus allow the bridge to remain open until repairs can be effected
- For INDOT bridges only, any box beam bridge with a bituminous overlay (item 108A coded as 6)
- Any U.S. or State Highway bridge in Indiana with a foundation type of timber (item 113B.02, 113B.03, 113B.06A, 113B.06B, 113B.06C, 113B.06D, 113B.06E, or 113B.06F coded as timber)

Note that the term “temporary” is crucial to the definition of this item. For replacement structures or repairs that are intended to last indefinitely (i.e., no further repairs or replacement are intended for a significant period of time), the condition should not be considered “temporary” but rather permanent and evaluated accordingly.

Code by choosing from the drop-down menu as follows:

T – Temporary structure(s) or condition(s)  
 Blank – Not temporary

**Notes/Issues:** This could be changed to read-only in the SI&A/Underrecs Tab (like item 101), since the coding is applicable to the entire structure, and does not vary between inventory routes.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 103      **Item Name:** Temp. Structure Designation

<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Classification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** Temporary Structure Designation (continued)

**Instructions:** If item 103 is in fact coded "T", then the following coding items should be changed, as necessary, to reflect the temporary situation:

- 10 (Inventory Route, Minimum Vertical Clearance)
- 41 (Structure Open, Posted, or Closed to Traffic)
- 47 (Inventory Route, Total Horizontal Clearance)
- 53 (Minimum Vertical Clearance over Bridge Roadway)
- 54 (Minimum Vertical Underclearance)
- 55 (Minimum Lateral Underclearance on Right)
- 56 (Minimum Lateral Underclearance on Left)
- 64 (Operating Rating)
- 66 (Inventory Rating)
- 70 (Bridge Posting)

**Questions:** Why is it permitted to change this for each underrecord? Different underrecords being coded differently could lead to errors, as they must be consistent with the structure. Why is "Not Temporary" option repeated in dropdown (shows up twice)?

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 104      **Item Name:** Hwy. System of the Inv. Rte.

<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies whether the inventory route under the bridge is part of the National Highway System (NHS).

**Instructions:** Code as follows:

(Blank)

0 – Inventory route is not on the NHS

1 – Inventory route is on the NHS

The NHS includes the Interstate system, STRAHNET, and principal arterials. See the following map which illustrates the NHS in Indiana.

If item 104 is coded as 1, then item 26 must be coded as 01, 02, 11, 12, or 14.

If item 104 is coded as 0, then item 26 must be coded as 06, 07, 08, 09, 16, 17, or 19.

This item must also be consistent with items 600.01, 601.01, and 601.02.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 104      **Item Name:** Hwy. System of the Inv. Rte.

**Main Tab/Sub Tab:** SI&A/Underrecords      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

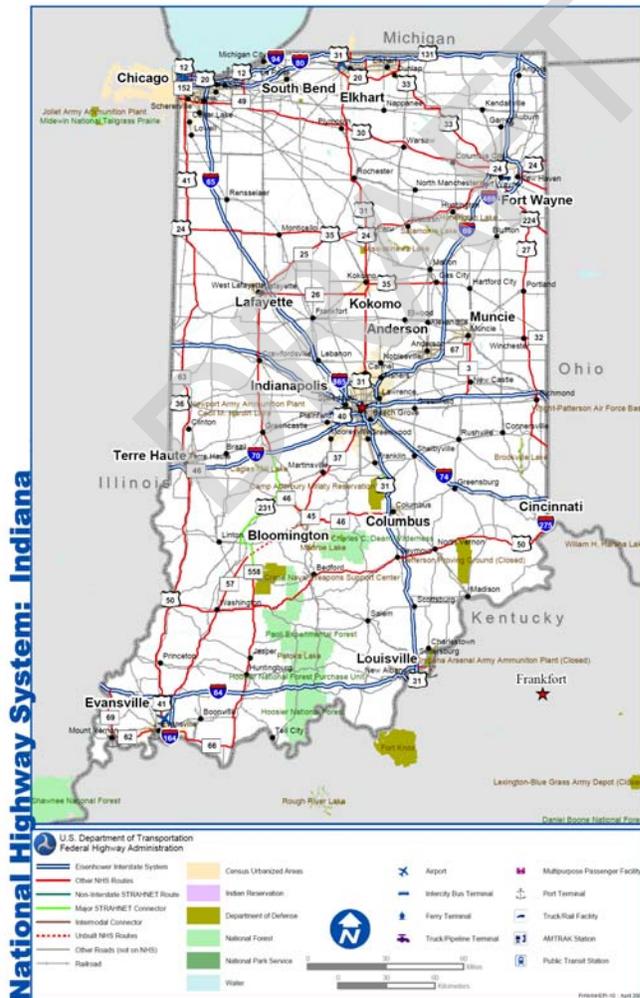
**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down <input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b> <b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** Highway System of the Inventory Route (continued)

**Instructions:**



**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 104A      **Item Name:** Highway System Over

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Classification      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies whether the inventory route on the bridge is part of the National Highway System (NHS).

**Instructions:** Code as follows:

(Blank)

0 – Inventory route is not on the NHS

1 – Inventory route is on the NHS

The NHS includes the Interstate system, STRAHNET, and principal arterials. See the following map which illustrates the NHS in Indiana.

If item 104 is coded as 1, then item 26 must be coded as 01, 02, 11, 12, or 14.

If item 104 is coded as 0, then item 26 must be coded as 06, 07, 08, 09, 16, 17, or 19.

This item must also be consistent with items 600.01, 601.01, and 601.02.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 104A      **Item Name:** Highway System Over

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Classification      **Misc. Fields:** -

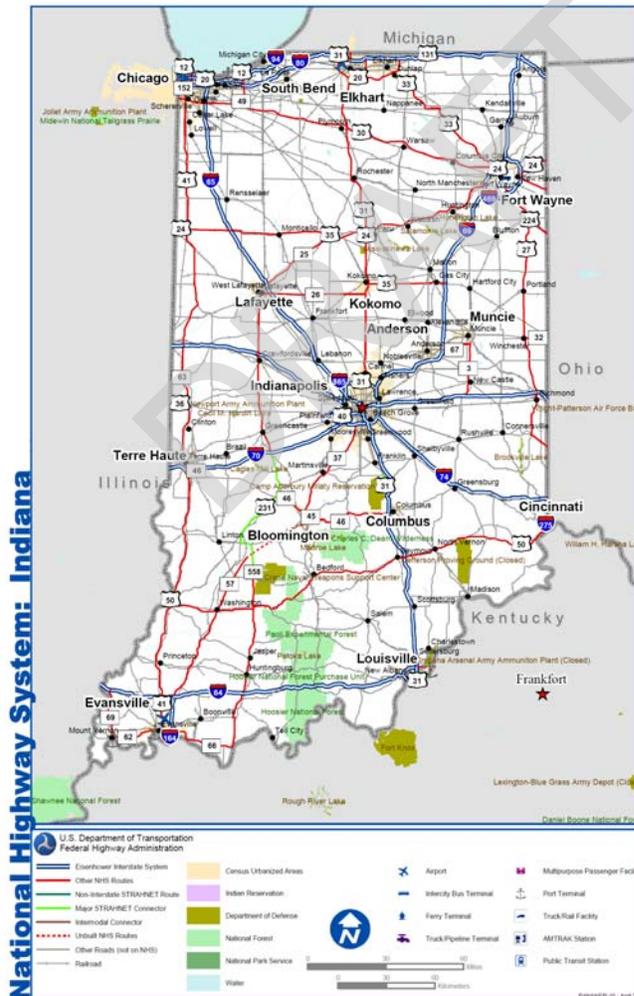
**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Highway System Over (continued)

**Instructions:**



**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 104B      **Item Name:** Highway System Under

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Classification      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies whether the first inventory route under the bridge is part of the National Highway System (NHS).

**Instructions:** Code as follows:

(Blank)

0 – Inventory route is not on the NHS

1 – Inventory route is on the NHS

The NHS includes the Interstate system, STRAHNET, and principal arterials. See the following map which illustrates the NHS in Indiana.

If item 104 is coded as 1, then item 26 must be coded as 01, 02, 11, 12, or 14.

If item 104 is coded as 0, then item 26 must be coded as 06, 07, 08, 09, 16, 17, or 19.

This item must also be consistent with items 600.01, 601.01, and 601.02.

**Notes:** -

# INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

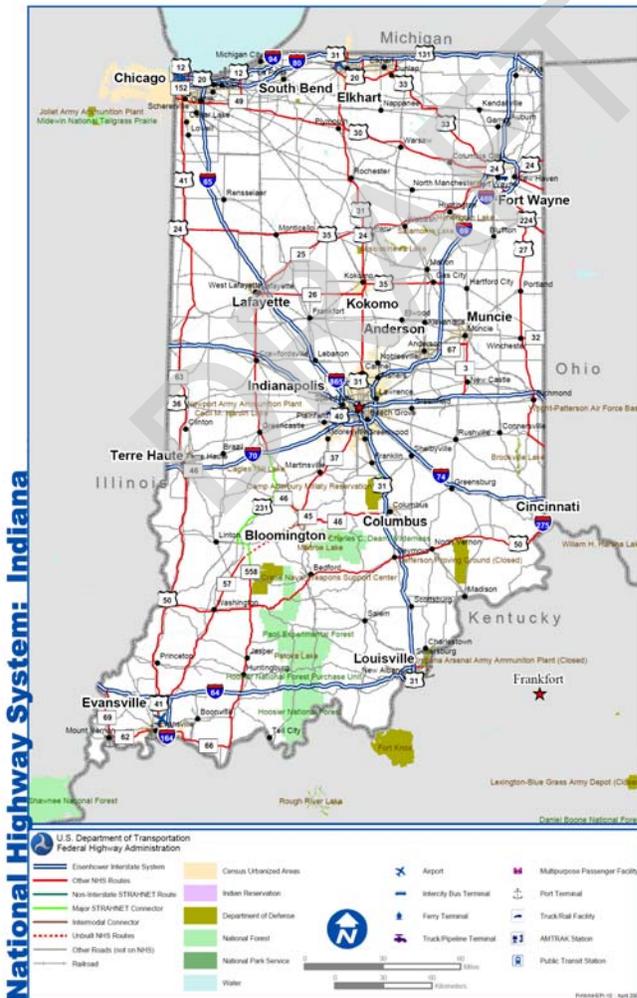
**Item Number:** 104B      **Item Name:** Highway System Under

<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Classification	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** Highway System Under (continued)

**Instructions:**



**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 105      **Item Name:** Federal Lands Highways

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies whether the structure is on a road that leads to or traverses through federal lands; if so, the structure may be eligible to receive funding from the Federal Lands Highway Program.

**Instructions:** Code as follows:

- 0 – Not applicable
- 1 – Indian Reservation Road (IRR)
- 2 – Forest Highway (FH)
- 3 – Land Management Highway System (LMHS)
- 4 – Both IRR and FH
- 5 – Both IRR and LMHS
- 6 – Both FH and LMHS
- 9 – Combined IRR, FH and LMHS

Currently no bridge in the Indiana NBI data base is a Federal Lands Highway. Therefore, this should always be coded as 0 unless otherwise instructed.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	106A	<b>Item Name:</b>	Year Reconstructed
---------------------	------	-------------------	--------------------

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	Contract Number, Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Age of Service	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies the year of the most recent reconstruction of the structure. Note that for a bridge to meet the definition of reconstruction, the work performed must have been eligible for funding under any of the Federal-aid funding categories.

**Instructions:** Enter all 4 digits of the year in which reconstruction was completed. If the structure has been reconstructed several times during its service life, enter the year of completion of the most recent reconstruction. If no reconstruction has taken place, code 0000. If the reconstruction has not yet been completed, code 0000 or code the year of completion of the most recent project; make a note in the comments field that reconstruction is currently ongoing but not yet completed.

In the comments field identify important aspects of the reconstruction. For example, if a bridge was reconstructed in 2005, it would be helpful to add to the bridge record that the existing PPC beams from 1956 were reused, as was the original substructure, but the deck was completely replaced and widened (which also required 3 new PPC beams and the widening of the original piers and abutments). Indicate the reconstruction project contract number in its own field.

In Indiana the following terms are generally used as follows:

**Reconstruction** - Almost the entire existing bridge is removed and an almost entirely new bridge is built, except for possibly a footing or pier column.

**Rehabilitation** - May include new deck, concrete overlay, or other deck work, including widening, along with addressing all other bridge, channel, and approach deficiencies (can use Federal Funds).

To qualify as reconstruction, only the Federal-aid funding eligibility matters, not the actual funding source used. If the work was not eligible for Federal-aid funding, code item 106A as 0000 (meaning no reconstruction as defined by FHWA), but note the type of work and date of completion in the comments field; the date is used to help determine the "TEN YEAR" Rule for eligibility for Federal Bridge Funds.

**Notes:** Equivalent to 106 in FHWA coding guide.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	106A	<b>Item Name:</b>	Year Reconstructed
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	Contract Number, Comments
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Age of Service	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	Load Rating/Struc. Data (1)	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Year Reconstructed (continued)

**Instructions:** Note also that some types of work (also see item 106C.1) are eligible for Federal-aid funding but do not satisfy the notion of reconstruction. Some examples are listed below:

- Safety feature replacement or upgrading (bridge rail, approach guardrail, impact attenuators, etc.)
- Painting structural steel
- Bridge deck overlay, without additional bridge work, as part of a highway resurfacing project that extends beyond the limits of the bridge
- Utility work
- Emergency repairs or retrofitting to restore the bridge's structural integrity to a minimum acceptable level (e.g., after an accident or significant deterioration), including temporary measures to keep the bridge operational

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 107      **Item Name:** Deck Structure Type

<b>Main Tab/Sub Tab:</b>	SI&A/Structure Data	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item codes the type of deck system on the bridge.

**Instructions:** If there is more than one type of deck system on the bridge, code the most prevalent. Code N for an under-fill structure (i.e., filled culvert or arch with the approach roadway section carried across the structure). Code 5 for an orthotropic deck.

Choose one of the following from the drop-down menu:

- 1 – CONCRETE CAST-IN-PLACE
- 2 – CONCRETE PRECAST
- 3 – OPEN GRATING
- 4 – CLOSED GRATING
- 5 – STEEL PLATE
- 6 – CORRUGATED STEEL
- 7 – ALUMINUM
- 8 – TIMBER
- 9 – OTHER
- N – N/A – UNDERFILL

Note that “Concrete Precast” includes precast box and channel beams if traffic is riding directly on the beam with no overlay on top.

**Notes/Issues:** Confusing to have both 107 & 107A for Deck Structure Type; strongly suggest labeling as 107A here to be consistent.

**Questions:** Isn't this the same as item 107A?

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 107A      **Item Name:** Deck Structure Type

**Main Tab/Sub Tab:** Primary/General Inventory      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** Load Rating/Struc. Data (1)      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item codes the type of deck system on the bridge.

**Instructions:** If there is more than one type of deck system on the bridge, code the most prevalent. Code N for an under-fill structure (i.e., filled culvert or arch with the approach roadway section carried across the structure). Code 5 for an orthotropic deck.

Choose one of the following from the drop-down menu:

- 1 – CONCRETE CAST-IN-PLACE
- 2 – CONCRETE PRECAST
- 3 – OPEN GRATING
- 4 – CLOSED GRATING
- 5 – STEEL PLATE
- 6 – CORRUGATED STEEL
- 7 – ALUMINUM
- 8 – TIMBER
- 9 – OTHER
- N – N/A – UNDERFILL

Note that “Concrete Precast” includes precast box and channel beams if traffic is riding directly on the beam with no overlay on top.

**Notes:** Equivalent to 107 in FHWA coding guide.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 108      **Item Name:** Wearing Surf./Protect. System

**Main Tab/Sub Tab:** Primary/General Inventory      **Main/Sub Tab:** Load Rating/Structure Data (1)

**Main Tab/Sub Tab:** Primary/Deck (58)      **Main/Sub Tab:** -

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Structure Data      **Misc. Fields:** -

**NBIS:**  Yes      **Toll Road:**  Yes

**Input Format:**  Drop-Down       Manual

**INDOT:**  Yes      **County/Local:**  Yes

**NBIS Underrec.:**  Yes

**Description:** This is a composite item composed of four segments: 108A, 108B, 108C, and 108D. The segments identify important aspects of the bridge deck pertaining to the wearing surface, waterproofing membrane, and protective system for the rebar.

**Instructions:** See the following pages for instructions regarding the component segments 108A, 108B, 108C, and 108D.

DRAFT

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 108A      **Item Name:** Type of Wearing Surface

**Main Tab/Sub Tab:** Primary/General Inventory      **Main/Sub Tab:** Load Rating/Structure Data (1)

**Main Tab/Sub Tab:** Primary/Deck (58)      **Main/Sub Tab:** -

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Structure Data      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down <input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b> <b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:**    This item identifies what type of wearing surface, if any, is present on the bridge deck.

**Instructions:**    Choose one of the following from the drop-down menu:

- 0 – NONE
- 1 – CONCRETE
- 2 – INTEGRAL CONCRETE
- 3 – LATEX CONCRETE
- 4 – LOW SLUMP CONCRETE
- 5 – EPOXY OVERLAY
- 6 – BITUMINOUS
- 7 – TIMBER
- 8 – GRAVEL
- 9 – OTHER
- N – NOT APPLICABLE

Code 1 for monolithic concrete (placed concurrently with structural deck), but code 2 for integral concrete (separate non-modified concrete layer added to structural deck). Code 3 if wearing surface is not latex concrete but is a similar type of additive enhanced concrete (e.g., silica fume). Code N for structures with no deck.

For Indiana, a code of 1 will usually be used on most bridges without an overlay.

For Indiana, a code of 2 will rarely be used because only a few INDOT bridges were built with an original overlay present.

For Indiana, a code of 5 will usually be used on most bridges with a concrete overlay.

**Notes:**            -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 108B      **Item Name:** Type of Membrane

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Structure Data	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> -	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies the type of waterproofing membrane, if any, present between the wearing surface and the deck structure.

**Instructions:** Choose one of the following from the drop-down menu:

- 0 – NONE
- 1 – BUILT-UP
- 2 – PREFORMED FABRIC
- 3 – EPOXY
- 8 – UNKNOWN
- 9 – OTHER
- N – NOT APPLICABLE

Code N for structures with no deck.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	108C	<b>Item Name:</b>	Deck Protection
<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	Primary/Deck (58)	<b>Misc. Fields:</b>	Check Box: Cathodic Protection
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Structure Data	<b>Misc. Fields:</b>	-
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies the type of protective system, if any, present in the bridge deck to inhibit corrosion of the rebar.

**Instructions:** Choose one of the following from the drop-down menu:

- 0 – NONE
- 1 – EPOXY COATED REINFORCING
- 2 – GALVANIZED REINFORCING
- 3 – OTHER COATED REINFORCING
- 4 – CATHODIC PROTECTION
- 6 – POLYMER IMPREGNATED
- 7 – INTERNALLY SEALED
- 8 – UNKNOWN
- 9 – OTHER
- N – NOT APPLICABLE

Code N for structures with no deck.

If there is cathodic protection in addition to some other form of deck protection, code 4.

Check the box if cathodic protection is present.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 108D      **Item Name:** Add. Wearing Surf. Thickness

<b>Main Tab/Sub Tab:</b> Primary/General Inventory	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/All	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> SI&A/Structure Data	<b>Misc. Fields:</b> -
<b>Main Tab/Sub Tab:</b> Load Rating/Struc. Data (1)	<b>Misc. Fields:</b> -

<b>NBIS:</b> <input type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XX.XX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item records the thickness of any subsequent overlays or additional wearing surfaces, exclusive of the original bridge deck and original wearing surface.

**Instructions:** This is a 4 digit field, right justified with a leading zero for thicknesses less than 10 inches. Enter the thickness of the additional wearing surface to the nearest hundredth of an inch (e.g., 02.75).

The value recorded for this item must be consistent with the total thickness of the original deck coded in item 107D. For example, if the original bridge deck was 8 inches thick, including 1 inch of wearing surface (integral), but now the deck is 10 inches thick because a 2 inch overlay was added last year, then item 107D should be coded 08.00 and item 108D should be coded 02.00.

If the thickness of the overlay varies, code as 99.99 and explain in a comment. For example, a bridge has concrete decks slabs on prestressed concrete box beams, and the deck varies from 7 inches thick at the centerline to 5 inches thick at the curbline-code as 99.99 and comment on this.

Also note that, during a rehabilitation, the normal process on INDOT bridges is to scarify ¼ inch off of the original 8 inch deck slab and then place a new Modified Portland Cement Concrete overlay of 1.75 inches on top. Thus, item 107D would change from 08.00 to 07.75 and item 108D would change from blank to 01.75.

**Notes:** -



## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 110      **Item Name:** Designated National Network

<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Underrecords	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Classification	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input checked="" type="checkbox"/> Yes

**Description:** This item identifies whether the inventory route is part of the national network for trucks.

**Instructions:** The designated national truck network includes most of the Interstate System and certain portions of the Federal-Aid highways as identified in the Code of Federal Regulations. This system of highways is approved for the use of commercial tractor/semitrailer trucks weighing 80,000 lb and having specified wheelbases.

Choose one of the following from the drop-down menu:

- 0 – Inventory route not on Network
- 1 – Inventory route on National Truck Network

For Indiana, the national network includes the Interstate system and all Federal-Aid primary highways.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 111      **Item Name:** Pier/Abut. Protect. (for Navig.)

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Navigation      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item indicates the presence and adequacy of pier or abutment navigation protection features such as fenders, dolphins, etc.

**Instructions:** Choose one of the following from the drop-down menu:

(BLANK)

- 1 – Protection not required
- 2 – In place and functioning
- 3 – In place but in a deteriorated condition
- 4 – In place but reevaluation of design suggested
- 5 – None present but reevaluation suggested

If item 38 is coded 0 or N, this item should be left blank to indicate that it is not applicable.

Note that the overall substructure evaluation in item 60 may be affected by the condition of navigation protection devices.

**Notes:** -





# INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 112      **Item Name:** NBIS Bridge Length

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Classification      **Misc. Fields:** -

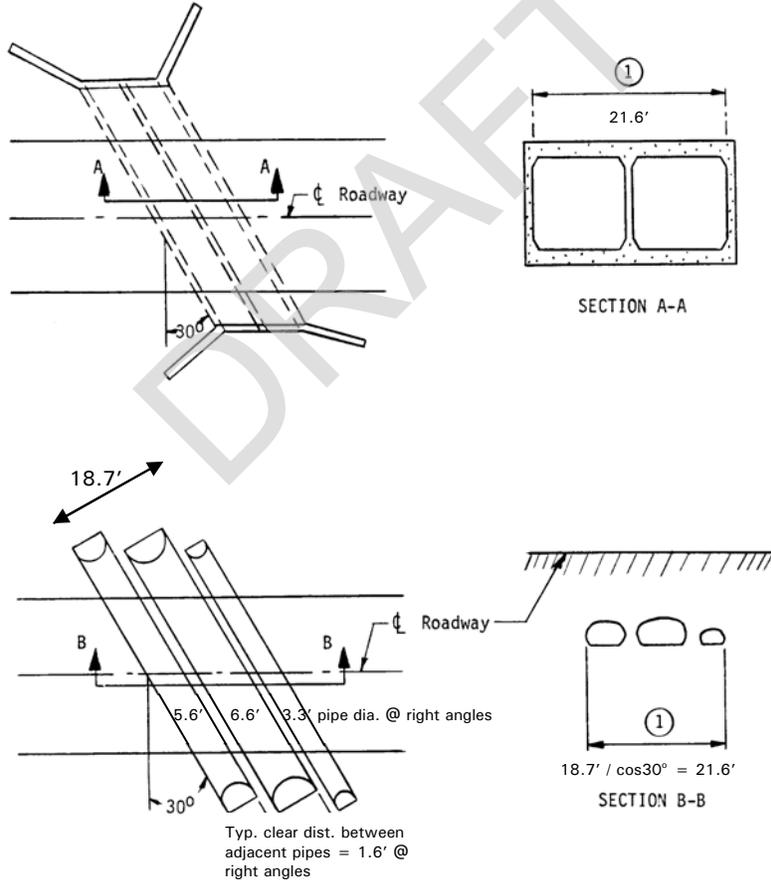
**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>X</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** NBIS Bridge Length (continued)

**Instructions:** See the figures below for examples.



Item 112 = Y for both culvert examples (21.6 feet > 20 feet)

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	113A	<b>Item Name:</b>	Scour Critical Bridges
<b>Main Tab/Sub Tab:</b>	SI&A/All, SI&A/Appraisal	<b>Main/Sub Tab:</b>	FC-UW-Spec./92B NBI Data
<b>Main Tab/Sub Tab:</b>	Primary/Substructure (60)	<b>Misc. Fields:</b>	Comments
<b>Main Tab/Sub Tab:</b>	Scour/Office Screening	<b>Misc. Fields:</b>	Last Review, Scour Risk, Notes/Data
<b>Main Tab/Sub Tab:</b>	Scour/Scour Cmte. Review	<b>Misc. Fields:</b>	Date: Last Review, Text: Scour Risk
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies the current status of the bridge regarding its vulnerability to scour. It is the "official" scour rating reported to the FHWA.

**Instructions:** This field is read only to INDOT/Toll Road inspectors and can only be changed by the State Program Manager. No input is required, except for County/Local bridges. INDOT inspectors should use item 113R to recommend changes to the scour status, which the State Program Manager will review.

For County/Local bridges, choose one of the following from the drop-down menu:

- N – N/A
- 9 – ABOVE FLOOD ELEVATION
- 8 – STABLE – EXCELLENT CONDITION
- 7 – FIXED – NOT SCOUR CRITICAL
- 6 – NOT YET EVALUATED
- 5 – STABLE – WITHIN LIMITS
- 4 – STABLE – ACTION NEEDED
- 3 – SCOUR CRITICAL – UNSTABLE
- 2 – SCOUR CRITICAL – IMMEDIATE ACTION
- 1 – SCOUR CRITICAL – CLOSED
- 0 – SCOUR CRITICAL – BRIDGE FAILED
- U – UNKNOWN FOUNDATION

Scour analyses shall be made by a scour evaluation team composed of hydraulic, geotechnical, and structural engineers. The bridge may be determined to be scour critical because abutment or pier foundations are rated as unstable due to observed scour at the bridge site. Otherwise, the scour criticality of the bridge shall be rated based on its scour potential as determined from a scour evaluation study.

**Notes:** Equivalent to 113 in FHWA coding guide.

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	113A	<b>Item Name:</b>	Scour Critical Bridges
<b>Main Tab/Sub Tab:</b>	SI&A/All, SI&A/Appraisal	<b>Main/Sub Tab:</b>	FC-UW-Spec./92B NBI Data
<b>Main Tab/Sub Tab:</b>	Primary/Substructure (60)	<b>Misc. Fields:</b>	Comments
<b>Main Tab/Sub Tab:</b>	Scour/Office Screening	<b>Misc. Fields:</b>	Last Review, Scour Risk, Notes/Data
<b>Main Tab/Sub Tab:</b>	Scour/Scour Cmte. Review	<b>Misc. Fields:</b>	Date: Last Review, Text: Scour Risk
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Scour Critical Bridges (continued)

**Instructions:** If item 113A is rated 2 or less, the overall substructure rating (item 60) and other related items (e.g., load ratings, superstructure rating) should reflect the severity of actual scour and resultant damage to the bridge. For example, if item 113A is rated 2 because of extensive observed scour and foundation instability, item 60 will probably be rated 2 also, even if the pier structural elements are in fair condition with only minor section loss that would otherwise suggest a rating of 5; however, if major deterioration or section loss is also present in critical locations of the substructure such that failure is imminent, item 113A would still be rated 2, but item 60 would be rated 1.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	113A	<b>Item Name:</b>	Scour Critical Bridges
<b>Main Tab/Sub Tab:</b>	SI&A/All, SI&A/Appraisal	<b>Main/Sub Tab:</b>	FC-UW-Spec./92B NBI Data
<b>Main Tab/Sub Tab:</b>	Primary/Substructure (60)	<b>Misc. Fields:</b>	Comments
<b>Main Tab/Sub Tab:</b>	Scour/Office Screening	<b>Misc. Fields:</b>	Last Review, Scour Risk, Notes/Data
<b>Main Tab/Sub Tab:</b>	Scour/Scour Cmte. Review	<b>Misc. Fields:</b>	Date: Last Review, Text: Scour Risk
<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input checked="" type="checkbox"/> Drop-Down	<input type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Scour Critical Bridges (continued)

**Instructions:** Code according to the following guidelines:

- N= The bridge is not over a waterway and the scour rating is thus not applicable.
- 9= Bridge foundations, including piles, are on dry land well above flood elevations.
- 8= Bridge foundations are determined to be stable because scour is above top of footing by qualitative assessment, by quantitative assessment (calculation), or by virtue of properly designed countermeasures.
- 7= Countermeasures have been installed to mitigate an existing scour problem, or a plan of action has been implemented to reduce risk to the public that might result from a bridge failure during or immediately after a flood event.
- 6= No scour evaluation has yet been made; this should not be the case for most bridges, but might occur with the jurisdictional transfer of an old bridge or due to other unusual circumstances.
- 5= Bridge foundations are determined to stable because scour is within the limits of footing or piles by qualitative assessment, by quantitative assessment (calculation), or by virtue of properly designed countermeasures.
- 4= Bridge foundations were determined to be stable by qualitative assessment or quantitative assessment (calculation), but field review indicates action is required to protect exposed foundations.
- 3= Bridge foundations are determined to be unstable because qualitative assessment or quantitative assessment (calculation) indicates scour is within limits of footing or piles, or assessment indicates scour is below spread footing base or pile tips.
- 2= Field review indicates extensive scour has occurred; bridge foundations are unstable because observed scour is below calculated acceptable limits, or because of observed scour conditions reported in item 60 (thus affecting substructure stability).
- 1= Bridge is closed to traffic; field review indicates failure of piers or abutments is imminent because observed scour is below calculated acceptable limits, or because of observed scour conditions reported in item 60 (thus affecting substructure stability).
- 0= Bridge has failed and is closed to traffic.
- U= Bridge foundations are unknown and not yet evaluated for scour; POA is required.

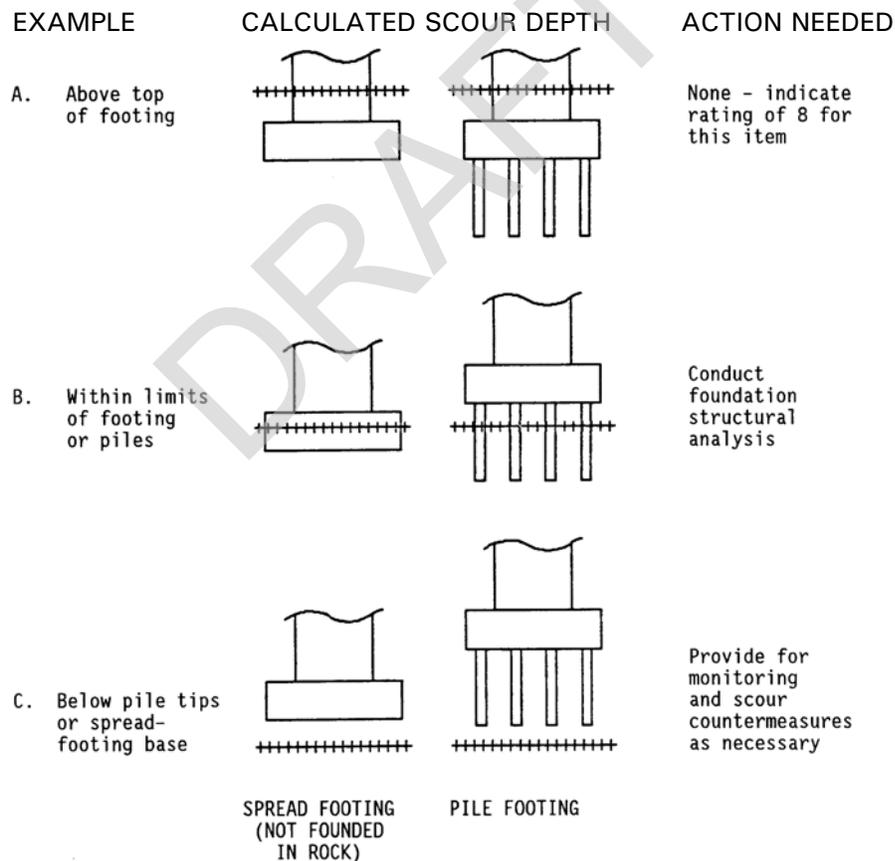
**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

<b>Item Number:</b>	113A	<b>Item Name:</b>	Scour Critical Bridges
<b>Main Tab/Sub Tab:</b>	SI&A/All, SI&A/Appraisal	<b>Main/Sub Tab:</b>	FC-UW-Spec./92B NBI Data
<b>Main Tab/Sub Tab:</b>	Primary/Substructure (60)	<b>Misc. Fields:</b>	Comments
<b>Main Tab/Sub Tab:</b>	Scour/Office Screening	<b>Misc. Fields:</b>	Last Review, Scour Risk, Notes/Data
<b>Main Tab/Sub Tab:</b>	Scour/Scour Cmte. Review	<b>Misc. Fields:</b>	Date: Last Review, Text: Scour Risk
<b>NBIS:</b>	<input checked="" type="checkbox"/> Yes	<b>Toll Road:</b>	<input checked="" type="checkbox"/> Yes
<b>INDOT:</b>	<input checked="" type="checkbox"/> Yes	<b>County/Local:</b>	<input checked="" type="checkbox"/> Yes
		<b>Input Format:</b>	<input checked="" type="checkbox"/> Drop-Down <input type="checkbox"/> Manual
		X	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** Scour Critical Bridges (continued)

**Instructions:** See the figures below for examples.



+++++ = Calculated scour depth

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 114      **Item Name:** Future Average Daily Traffic

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Age of Service      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	XXXXXX	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item indicates the forecasted average daily traffic count for the inventory route on the bridge.

**Instructions:** The intent is to have a 20 year forecast, so the ADT must be projected at least 17 years but no more than 22 years from the year of the inspection. The forecast must be updated when it falls below the 17 year threshold, but it may also be updated more regularly. Use the best estimate available if no planning data can be obtained for the site.

This is a 6 digit field, right justified with leading zeros if necessary.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 115      **Item Name:** Year of Future ADT

**Main Tab/Sub Tab:** SI&A/All      **Misc. Fields:** -

**Main Tab/Sub Tab:** SI&A/Age of Service      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

**Main Tab/Sub Tab:** -      **Misc. Fields:** -

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item indicates the year represented by the forecasted average daily traffic count for the inventory route on the bridge.

**Instructions:** The intent is to have a 20 year forecast, so the ADT must be projected at least 17 years but no more than 22 years from the year of the inspection. The forecast must be updated when it falls below the 17 year threshold, but it may also be updated more regularly.

This is a 4 digit field; enter the year of the forecasted ADT in item 114.

**Notes:** -

## INDOT Coding Guide: *Bridge Reporting for Appraisal & Greater Inventory*

**Item Number:** 116      **Item Name:** Navig. Vert. Clear., Lift Bridge

<b>Main Tab/Sub Tab:</b>	Primary/General Inventory	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/All	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	SI&A/Navigation	<b>Misc. Fields:</b>	-
<b>Main Tab/Sub Tab:</b>	-	<b>Misc. Fields:</b>	-

<b>NBIS:</b> <input checked="" type="checkbox"/> Yes	<b>Toll Road:</b> <input checked="" type="checkbox"/> Yes	<b>Input Format:</b> <input type="checkbox"/> Drop-Down	<input checked="" type="checkbox"/> Manual
<b>INDOT:</b> <input checked="" type="checkbox"/> Yes	<b>County/Local:</b> <input checked="" type="checkbox"/> Yes	<b>XXXX</b>	<b>NBIS Underrec.:</b> <input type="checkbox"/> Yes

**Description:** This item identifies the minimum vertical clearance for a vertical lift bridge in the closed position, as measured above a datum specified on a navigation permit issued by a control agency.

**Instructions:** Leave blank unless the structure is a vertical lift bridge. If the structure is a vertical lift bridge, record the minimum vertical clearance for navigation with the bridge in the dropped or closed position.

This is a 4 digit field, truncated to the foot; right justify with leading zeros as required.

**Notes:** -