

# Entity and Attribute Definitions Report

Run by: CASEOWNER  
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Total Pages: 67  
Total Entities: 62

## **Parameters**

|                                        |     |
|----------------------------------------|-----|
| <i>Application:</i>                    | CBR |
| <i>Entities:</i>                       | %   |
| <i>ER Diagram:</i>                     | %   |
| <i>Include Entity Notes?</i>           | Y   |
| <i>Include Attribute Descriptions?</i> | Y   |
| <i>Include Attribute Notes?</i>        | Y   |
| <i>Include Attribute Values?</i>       | Y   |
| <i>Include Table of Contents?</i>      | N   |
| <i>Include Index of Entities?</i>      | Y   |

**Entity Name:** ABUTMENT CODE**Short Name:** AC**Plural:** ABUTMENT CODE**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Contains codes and descriptions for abutments. An abutment is the vertical support at the end of a bridge. Left and Right End are determined facing downstream. An abutment can be Bin Wall, Concrete Cask-in Place, Concrete Precast, Crib, Log, Timber, Other, Pile (Permanent or Temporary Materials), Sill (Permanent or Temporary Materials), Steel Pipe Precast Pad or Concrete Lock Blocks.

**Attributes:**

| <u>Name</u>                                                           | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * ABUTMENT CODE                                                       |               | N          | VARCHAR2      | 10            |
| Code representing an abutment.                                        |               |            |               |               |
| DESCRIPTION                                                           |               | N          | VARCHAR2      | 120           |
| Text describing an abutment code.                                     |               |            |               |               |
| EFFECTIVE DATE                                                        |               | N          | DATE          |               |
| The date the data is effective and available as a valid abutment.     |               |            |               |               |
| EXPIRY DATE                                                           |               | N          | DATE          |               |
| The date the data expires and can no longer be used a valid abutment. |               |            |               |               |
| UPDATE TIMESTAMP                                                      |               | N          | DATE          |               |
| The date and time the content was last updated.                       |               |            |               |               |
| * = Attributes in primary unique identifier.                          |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MAY BE shows left end abutment of one or more FOREST SERVICE BRIDGE

MAY BE shows right end abutment of one or more FOREST SERVICE BRIDGE

MAY BE is part of one or more STRUCTURE INSPCTN QUESTION CRITERIA XREF

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ALEC Primary Y

ABUTMENT CODE

*Short Name:* BBC

*Init. Volume:*                      *Avg. Volume:*                      *Max. Volume:*                      *Annual Growth Rate:*

Contains codes and descriptions for organizations structures were originally built by.

*Attributes:*

| <u>Name</u>      | <u>Domain</u>                                                                                                  | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------|----------------------------------------------------------------------------------------------------------------|------------|---------------|---------------|
| * BUILT BY CODE  | Code representing an organization a structure was built by.                                                    | N          | VARCHAR2      | 10            |
| DESCRIPTION      | Text describing a built by code.                                                                               | N          | VARCHAR2      | 120           |
| EFFECTIVE DATE   | The date the data is effective and available to be used as a valid organization that a structure was built by. | N          | DATE          |               |
| EXPIRY DATE      | The date the data expires and can no longer be used as a valid organization a structure was built by.          | N          | DATE          |               |
| UPDATE TIMESTAMP | The date and time the content was last updated.                                                                | N          | DATE          |               |

\* = Attributes in primary unique identifier.

*Relationships:*

Each Occurrence Of This Entity:

MAY BE shows Org who built one or more CROSSING STRUCTURE

\* = Relationships in primary unique identifier.

### Unique Identifiers:

|               |         |   |
|---------------|---------|---|
| BBC           | Primary | Y |
| BUILT BY CODE |         |   |

|                              |                     |                         |                            |
|------------------------------|---------------------|-------------------------|----------------------------|
| <b>Entity Name:</b> BULLETIN |                     | <b>Short Name:</b> BLTN |                            |
| <i>Plural:</i>               | BULLETIN            |                         |                            |
| <i>Init. Volume:</i>         | <i>Avg. Volume:</i> | <i>Max. Volume:</i>     | <i>Annual Growth Rate:</i> |

*Description:*

Contains a main bulletin for an application. When a user enters the application the bulletin data will be displayed (if present).

*Attributes:*

| <u>Name</u>                                                                                       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * BULLETIN IDENTIFIER                                                                             |               | N          | NUMBER        | 10            |
| A unique identifier for the bulletin.                                                             |               |            |               |               |
| DESCRIPTION                                                                                       |               | N          | VARCHAR2      | 2000          |
| Text describing the bulletin which will be displayed to the user when they enter the application. |               |            |               |               |
| ENTRY USERID                                                                                      |               | N          | VARCHAR2      | 30            |
| The user who first entered the data.                                                              |               |            |               |               |
| ENTRY TIMESTAMP                                                                                   |               | N          | DATE          |               |
| The date/time the data was first entered.                                                         |               |            |               |               |
| UPDATE USERID                                                                                     |               | N          | VARCHAR2      | 30            |
| The user who last updated the data.                                                               |               |            |               |               |
| UPDATE TIMESTAMP                                                                                  |               | N          | DATE          |               |
| The date/time the data was last updated.                                                          |               |            |               |               |
| * = Attributes in primary unique identifier.                                                      |               |            |               |               |

*Unique Identifiers:*

|                     |         |   |
|---------------------|---------|---|
| BLTN                | Primary | Y |
| BULLETIN IDENTIFIER |         |   |

|                              |                 |              |                     |    |
|------------------------------|-----------------|--------------|---------------------|----|
| Entity Name: CLIENT LOCATION |                 |              | Short Name:         | CL |
| Plural:                      | CLIENT LOCATION |              |                     |    |
| Init. Volume:                | Avg. Volume:    | Max. Volume: | Annual Growth Rate: |    |

Description:

Attributes:

| Name               | Domain | Opt | Format   | Length |
|--------------------|--------|-----|----------|--------|
| * CLIENT NUMBER    |        | N   | VARCHAR2 | 8      |
| * CLIENT LOCN CODE |        | N   | VARCHAR2 | 2      |

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE is primary user of one or more CROSSING STRUCTURE

MUST BE part of one and only one FOREST CLIENT

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                  |         |   |
|------------------|---------|---|
| CL               | Primary | Y |
| CLIENT NUMBER    |         |   |
| CLIENT LOCN CODE |         |   |

**Entity Name:** CLOSE PROXIMITY INSPECTION*Short Name:*

CPI

*Plural:* CLOSE PROXIMITY INSPECTION*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

Contains information about a close proximity inspection. A close proximity inspection is a much more detailed inspection that will result in a hard copy report by a Professional Engineer that is unique to each inspection. Note that this table's records are never updated.

**Attributes:**

| <u>Name</u>                                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CLOSE PROXIMITY INSPECTION ID                                |               | N          | NUMBER        | 10            |
| Unique identifier assigned to each close proximity inspection. |               |            |               |               |
| COMPLETION DATE                                                |               | N          | DATE          |               |
| The date the close proximity inspection was completed.         |               |            |               |               |
| ENTRY USERID                                                   |               | N          | VARCHAR2      | 30            |
| The user who initially created the data.                       |               |            |               |               |
| ENTRY TIMESTAMP                                                |               | N          | DATE          |               |
| The date/time the data was first created.                      |               |            |               |               |
| * = Attributes in primary unique identifier.                   |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE inspected on one and only one CROSSING SITE

MUST BE shows inspection for one and only one CROSSING STRUCTURE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**CPI *Primary* Y

CLOSE PROXIMITY INSPECTION ID

**Entity Name:** CROSSING SITE

Short Name:

CS

Plural: CROSSING SITE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

**Description:**

Contains information about a site where bridge or culvert structures are located.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CROSSING SITE IDENTIFIER                                                                                                                                                                                                                                                   |               | N          | VARCHAR2      | 14            |
| Unique identifier for the physical site where a structure will be installed. Structure number and site number will usually be the same except in the case of portables.                                                                                                      |               |            |               |               |
| CROSSING NAME                                                                                                                                                                                                                                                                |               | Y          | VARCHAR2      | 255           |
| Common name of crossing. Normally this would be a creek or river name.                                                                                                                                                                                                       |               |            |               |               |
| POINT OF COMMENCEMENT DISTANCE                                                                                                                                                                                                                                               |               | Y          | NUMBER        | 8,2           |
| Distance in kilometres (km) from the PoC (point of commencement) to the road section or system.                                                                                                                                                                              |               |            |               |               |
| USER KILOMETRES                                                                                                                                                                                                                                                              |               | Y          | NUMBER        | 8,2           |
| The posted distance (relative to a sign), may vary from the Point of Commencement Distance which should be the current measured distance from the start of the road. User km can also be difference because often licensees are marking "km" from the paved highway or mill. |               |            |               |               |
| LONGITUDE                                                                                                                                                                                                                                                                    |               | Y          | NUMBER        | 9,6           |
| A global designation for the relative distance east or west from the Greenwich meridian (measured in decimal degrees).                                                                                                                                                       |               |            |               |               |
| LATITUDE                                                                                                                                                                                                                                                                     |               | Y          | NUMBER        | 8,6           |
| A global designation for the relative distance north or south from the equator (measured in decimal degrees).                                                                                                                                                                |               |            |               |               |
| UTM ZONE                                                                                                                                                                                                                                                                     |               | Y          | NUMBER        | 2             |
| Universal Transverse Mercator (UTM) Zone. Usually captured with GPS.                                                                                                                                                                                                         |               |            |               |               |
| UTM EASTING                                                                                                                                                                                                                                                                  |               | Y          | NUMBER        | 10            |
| The Universal Transverse Mercator (UTM) location reference for the site. This is the Easting reference (metres east of the Central Meridian of the zone).                                                                                                                    |               |            |               |               |
| UTM NORTHING                                                                                                                                                                                                                                                                 |               | Y          | NUMBER        | 10            |
| The Universal Transverse Mercator (UTM) location reference. This is the Northing reference (metres north of the Equator).                                                                                                                                                    |               |            |               |               |
| POINT OF ACCESS DESCRIPTION                                                                                                                                                                                                                                                  |               | Y          | VARCHAR2      | 255           |
| This is a comment field which contains directions on how to get to the road system (i.e., "Helicopter required to get to cove").                                                                                                                                             |               |            |               |               |
| NTS MAP SHEET NUMBER                                                                                                                                                                                                                                                         |               | Y          | VARCHAR2      | 10            |
| National Topographic Service (NTS) 1:50,000 map sheet number, e.g. 92P/10. 1:50,000 is one of the scales of base maps available.                                                                                                                                             |               |            |               |               |
| TRIM MAP SHEET NUMBER                                                                                                                                                                                                                                                        |               | Y          | VARCHAR2      | 10            |
| Identifier of the TRIM map sheet (1:20,000). TRIM stands for Terrain Resource Information Management. TRIM maps are the standard base maps used in BC.                                                                                                                       |               |            |               |               |
| ENTRY USERID                                                                                                                                                                                                                                                                 |               | N          | VARCHAR2      | 30            |
| The user who initially created the data.                                                                                                                                                                                                                                     |               |            |               |               |
| ENTRY TIMESTAMP                                                                                                                                                                                                                                                              |               | N          | DATE          |               |
| The date/time the data was first created.                                                                                                                                                                                                                                    |               |            |               |               |
| UPDATE USERID                                                                                                                                                                                                                                                                |               | N          | VARCHAR2      | 30            |
| The user who last updated the data.                                                                                                                                                                                                                                          |               |            |               |               |
| UPDATE TIMESTAMP                                                                                                                                                                                                                                                             |               | N          | DATE          |               |
| The date/time the data was last updated.                                                                                                                                                                                                                                     |               |            |               |               |

|                                     |             |    |
|-------------------------------------|-------------|----|
| Entity Name: CROSSING SITE (cont'd) | Short Name: | CS |
|-------------------------------------|-------------|----|

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- MAY BE has one or more CLOSE PROXIMITY INSPECTION
- MAY BE has status one and only one CROSSING SITE STATUS CODE
- MAY BE has type one and only one CROSSING SITE TYPE CODE
- MAY BE holds one or more CROSSING STRUCTURE
- MAY BE belongs in one and only one ORG UNIT
- MAY BE has business area defined by one and only one ORG UNIT
- MAY BE is managed by one and only one ORG UNIT
- MAY BE connected to one and only one ROAD SEGMENT
- MAY BE needs one and only one SPECIAL ACCESS REQUIREMENT CODE
- MAY BE has inspection status one and only one STRUCTURE INSPECTION STATUS CODE

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                          |         |   |
|--------------------------|---------|---|
| SITE                     | Primary | Y |
| CROSSING SITE IDENTIFIER |         |   |

|                                               |                           |                     |                            |      |
|-----------------------------------------------|---------------------------|---------------------|----------------------------|------|
| <b>Entity Name:</b> CROSSING SITE STATUS CODE |                           |                     | <b>Short Name:</b>         | CSSC |
| <b>Plural:</b>                                | CROSSING SITE STATUS CODE |                     |                            |      |
| <b>Init. Volume:</b>                          | <b>Avg. Volume:</b>       | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |      |

*Description:*

Contains codes and descriptions for site statuses. This determines the current status of the site which may be Active, Transferred, Barricaded or De-activated/Removed.

*Attributes:*

| <u>Name</u>                                                                 | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CROSSING SITE STATUS CODE                                                 |               | N          | VARCHAR2      | 10            |
| Code representing a crossing site status.                                   |               |            |               |               |
| DESCRIPTION                                                                 |               | N          | VARCHAR2      | 120           |
| Text describing a crossing site status code.                                |               |            |               |               |
| EFFECTIVE DATE                                                              |               | N          | DATE          |               |
| The date the data is effective and available as a valid stie status.        |               |            |               |               |
| EXPIRY DATE                                                                 |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid site status. |               |            |               |               |
| UPDATE TIMESTAMP                                                            |               | N          | DATE          |               |
| The date and time the content was last updated.                             |               |            |               |               |
| * = Attributes in primary unique identifier.                                |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

MAY BE shows site status one or more CROSSING SITE

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                           |         |   |
|---------------------------|---------|---|
| SSC                       | Primary | Y |
| CROSSING SITE STATUS CODE |         |   |

|                                             |                         |                     |                            |      |
|---------------------------------------------|-------------------------|---------------------|----------------------------|------|
| <b>Entity Name:</b> CROSSING SITE TYPE CODE |                         |                     | <i>Short Name:</i>         | CSTC |
| <i>Plural:</i>                              | CROSSING SITE TYPE CODE |                     |                            |      |
| <i>Init. Volume:</i>                        | <i>Avg. Volume:</i>     | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |      |

*Description:*

Contains codes and descriptions for site types. This determines the current type of the site (e.g., Crossing or Storage). A crossing site is spaned by a structure like a bridge or storage site which stores a crossing structure.

| Attributes:                                  |               |            |               |               |
|----------------------------------------------|---------------|------------|---------------|---------------|
| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
| * CROSSING SITE TYPE CODE                    |               | N          | VARCHAR2      | 10            |
| Code representing a crossing site type.      |               |            |               |               |
| DESCRIPTION                                  |               | N          | VARCHAR2      | 120           |
| Text describing a crossing site type code.   |               |            |               |               |
| EFFECTIVE DATE                               |               | N          | DATE          |               |
| The date the code becomes effective.         |               |            |               |               |
| EXPIRY DATE                                  |               | N          | DATE          |               |
| The date the code is no longer valid.        |               |            |               |               |
| UPDATE TIMESTAMP                             |               | N          | DATE          |               |
| The date the record was last updated.        |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

*Relationships:*

*Each Occurrence Of This Entity:*

MAY BE shows site type one or more CROSSING SITE

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                         |         |   |
|-------------------------|---------|---|
| CSTC                    | Primary | Y |
| CROSSING SITE TYPE CODE |         |   |

**Entity Name:** CROSSING STRUCTURE

Short Name:

CRS

Plural: CROSSING STRUCTURE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

**Description:**

Contains information about a structure regardless of what type.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                                                                                                                                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * CROSSING STRUCTURE IDENTIFIER                                                                                                                                                                                                                                                                                                                                |               | N          | VARCHAR2      | 14            |
| Unique identifier assigned to each structure.                                                                                                                                                                                                                                                                                                                  |               |            |               |               |
| DESIGN LOAD RATING                                                                                                                                                                                                                                                                                                                                             |               | Y          | NUMBER        | 6             |
| The capacity (i.e., the amount of weight in tons that a bridge can carry) of the bridge superstructure when it was first constructed.                                                                                                                                                                                                                          |               |            |               |               |
| LOAD RATING UNKNOWN INDICATOR                                                                                                                                                                                                                                                                                                                                  |               | Y          | VARCHAR2      | 1             |
| This flag identifies whether the crossing structure's load rating is known or not.                                                                                                                                                                                                                                                                             |               |            |               |               |
| INSTALLATION COST                                                                                                                                                                                                                                                                                                                                              |               | Y          | NUMBER        | 6             |
| The cost of installation (i.e., labour) used in the construction of a structure.                                                                                                                                                                                                                                                                               |               |            |               |               |
| MATERIAL COST                                                                                                                                                                                                                                                                                                                                                  |               | Y          | NUMBER        | 6             |
| The cost of components used in the construction of a structure.                                                                                                                                                                                                                                                                                                |               |            |               |               |
| YEAR BUILT                                                                                                                                                                                                                                                                                                                                                     |               | Y          | NUMBER        | 4             |
| The year that the construction of a structure is completed.                                                                                                                                                                                                                                                                                                    |               |            |               |               |
| AS BUILT INFORMATION PRESENT INDICATOR                                                                                                                                                                                                                                                                                                                         |               | N          | VARCHAR2      | 1             |
| This flag identifies if the as-built information is part of the structure record.                                                                                                                                                                                                                                                                              |               |            |               |               |
| INVENTORY ADDED YEAR                                                                                                                                                                                                                                                                                                                                           |               | Y          | NUMBER        | 4             |
| The year that the construction was inherited or found and was recorded as part of the Ministry's inventory.                                                                                                                                                                                                                                                    |               |            |               |               |
| ESTIMATED CLOSURE DATE                                                                                                                                                                                                                                                                                                                                         |               | Y          | NUMBER        | 4             |
| Estimated date when structure will be required to be closed (i.e., made inactive) and is usually a few years beyond the light traffic replacement date. This is when a bridge can no longer carry light traffic, such as pick-ups, safely. Determined at time of each inspection.                                                                              |               |            |               |               |
| ORIGINAL REPLACEMENT DATE                                                                                                                                                                                                                                                                                                                                      |               | Y          | NUMBER        | 4             |
| The replacement date of the structure as determined at the time of acquisition or construction.                                                                                                                                                                                                                                                                |               |            |               |               |
| ESTIMATED REPLACEMENT COST                                                                                                                                                                                                                                                                                                                                     |               | Y          | NUMBER        | 8             |
| Estimated cost to replace structure. Determined at time of original construction as well as from inspection to inspection.                                                                                                                                                                                                                                     |               |            |               |               |
| ESTIMATED REPLACEMENT COST COMMENT                                                                                                                                                                                                                                                                                                                             |               | Y          | VARCHAR2      | 2000          |
| A comment field which contains the rational for the basis of the value input for estimated replacement cost.                                                                                                                                                                                                                                                   |               |            |               |               |
| LIGHT VEHICLE TRAFFIC REPLACEMENT DATE                                                                                                                                                                                                                                                                                                                         |               | Y          | NUMBER        | 4             |
| Replacement date to accommodate no less than 5 ton structures. The original date is determined once at time of construction. This date usually remains except when a structure is at the end of its design life where the replacement date may be extended (or shortened) from inspection to inspection based on an assessment of the actual bridge condition. |               |            |               |               |
| FULL LOG HAUL TRAFFIC REPLACEMENT DATE                                                                                                                                                                                                                                                                                                                         |               | Y          | NUMBER        | 4             |
| Replacement date to accommodate full industrial use. The original date is determined once at time of construction. This date usually remains except when a structure is at the end of its design life where the replacement date may be extended (or shortened) from inspection to inspection based on an assessment of the actual bridge condition.           |               |            |               |               |

| <b>Entity Name:</b> CROSSING STRUCTURE (cont'd)                                                                                                                       | Short Name: | CRS  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|
| PORTABLE STRUCTURE INDICATOR                                                                                                                                          | N VARCHAR2  | 1    |
| Indicates if the structure was designed to be easily moved from site to site.                                                                                         |             |      |
| NEXT PLANNED INSPECTION DATE                                                                                                                                          | Y DATE      |      |
| Projected date for the next planned inspection for the structure.                                                                                                     |             |      |
| DESIGN VEHICLE COMMENT                                                                                                                                                | Y VARCHAR2  | 2000 |
| Comment field which will be entered if the DESIGN VEHICLE CD attribute is set to the code corresponding to 'Other'. This allows the user to enter additional details. |             |      |
| ACTIVE INDICATOR                                                                                                                                                      | N VARCHAR2  | 1    |
| Determines if the current structure is active or not.                                                                                                                 |             |      |
| CLOSE PROXIMITY IND                                                                                                                                                   | N VARCHAR2  | 1    |
| Indicates if close proximity inspections are required.                                                                                                                |             |      |
| NEXT PLANNED CLS PROX INSP DT                                                                                                                                         | Y DATE      |      |
| The date of the next planned close proximity inspection.                                                                                                              |             |      |
| YEAR FABRICATED                                                                                                                                                       | Y NUMBER    | 4    |
| The year that the fabrication of a structure was completed.                                                                                                           |             |      |
| ENTRY USERID                                                                                                                                                          | N VARCHAR2  | 30   |
| The user who initially created the data.                                                                                                                              |             |      |
| ENTRY TIMESTAMP                                                                                                                                                       | N DATE      |      |
| The date/time the data was first created.                                                                                                                             |             |      |
| UPDATE USERID                                                                                                                                                         | N VARCHAR2  | 30   |
| The user who last updated the data.                                                                                                                                   |             |      |
| UPDATE TIMESTAMP                                                                                                                                                      | N DATE      |      |
| The date/time the data was last updated.                                                                                                                              |             |      |
| * = Attributes in primary unique identifier.                                                                                                                          |             |      |

## Relationships:

### Each Occurrence Of This Entity:

MAY BE is a one and only one FOREST SERVICE BRIDGE  
 or MAY BE is a one and only one FOREST SERVICE CULVERT  
 MAY BE was built by one and only one BUILT BY CODE  
 MAY BE has primary user one and only one CLIENT LOCATION  
 MAY BE is inspected through one or more CLOSE PROXIMITY INSPECTION  
 MAY BE found at one and only one CROSSING SITE  
 MAY BE has one or more CROSSING STRUCTURE FILE DETAIL  
 MAY BE had design load rating identified using one and only one DESIGN VEHICLE LOAD CODE  
 MUST BE has a one and only one LOAD POSTING SIGN WRRNTD CODE  
 MAY BE requires one and only one SPECIAL EQUIPMENT REQUIREMENT CODE  
 MAY BE has one or more STRUCTURE COMMENT  
 MAY BE is inspected through one or more STRUCTURE INSPECTION  
 MAY BE is rated by one or more STRUCTURE LOAD RATING  
 MAY BE recommends one or more STRUCTURE MONITOR ITEMS  
 MAY BE completes one or more STRUCTURE REPAIR  
 MAY BE replaced by one or more STRUCTURE REPLACEMENT XREF  
 MAY BE replaces one or more STRUCTURE REPLACEMENT XREF  
 MAY BE has one and only one STRUCTURE SOURCE CODE  
 MUST BE identified as one and only one STRUCTURE TYPE CLASS CODE

\* = Relationships in primary unique identifier.

## Unique Identifiers:

STRCT Primary Y  
 CROSSING STRUCTURE IDENTIFIER

|                                             |                         |                     |                            |     |
|---------------------------------------------|-------------------------|---------------------|----------------------------|-----|
| <b>Entity Name:</b> CROSSING STRUCTURE FILE |                         |                     | <i>Short Name:</i>         | CSF |
| <i>Plural:</i>                              | CROSSING STRUCTURE FILE |                     |                            |     |
| <i>Init. Volume:</i>                        | <i>Avg. Volume:</i>     | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |     |

*Description:*

Contains the actual files that have been uploaded through the application.

*Attributes:*

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| STRUCTURE FILE                               |               | N          | IMAGE         |               |
| A file that has been uploaded.               |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

\* MUST BE contains details for one and only one CROSSING STRUCTURE FILE DETAIL

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|      |         |   |
|------|---------|---|
| CSFD | Primary | Y |
|------|---------|---|

MUST BE contains details for one and only one CROSSING STRUCTURE FILE DETAIL

|                                                    |                                |                     |                            |      |
|----------------------------------------------------|--------------------------------|---------------------|----------------------------|------|
| <b>Entity Name:</b> CROSSING STRUCTURE FILE DETAIL |                                |                     | <i>Short Name:</i>         | CSFD |
| <i>Plural:</i>                                     | CROSSING STRUCTURE FILE DETAIL |                     |                            |      |
| <i>Init. Volume:</i>                               | <i>Avg. Volume:</i>            | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |      |

*Description:*  
Contains uploaded files and their associated information.

*Attributes:*

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * FILE IDENTIFIER                            |               | N          | NUMBER        | 10            |
| A unique identifier for an uploaded file.    |               |            |               |               |
| FILENAME                                     |               | N          | VARCHAR2      | 255           |
| The filename of the uploaded file.           |               |            |               |               |
| FILE CREATE DATE                             |               | N          | DATE          |               |
| The date the file was originally created.    |               |            |               |               |
| DESCRIPTION                                  |               | Y          | VARCHAR2      | 2000          |
| A business description of the uploaded file. |               |            |               |               |
| ENTRY USERID                                 |               | N          | VARCHAR2      | 30            |
| The user who initially created the data.     |               |            |               |               |
| ENTRY TIMESTAMP                              |               | N          | DATE          |               |
| The date/time the data was first created.    |               |            |               |               |
| UPDATE USERID                                |               | N          | VARCHAR2      | 30            |
| The user who last updated the data.          |               |            |               |               |
| UPDATE TIMESTAMP                             |               | N          | DATE          |               |
| The date/time the data was last updated.     |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

- MUST BE belongs to one and only one CROSSING STRUCTURE
- MUST BE contains file for one and only one CROSSING STRUCTURE FILE
- MUST BE has a one and only one FILE ATTACHMENT TYPE CODE
- MUST BE has one and only one FILE MIME TYPE XREF
- MAY BE belongs to one and only one STRUCTURE INSPECTION
- \* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                 |         |   |
|-----------------|---------|---|
| FILE            | Primary | Y |
| FILE IDENTIFIER |         |   |

|                                    |                     |                     |                            |     |
|------------------------------------|---------------------|---------------------|----------------------------|-----|
| <b>Entity Name:</b> DECK TYPE CODE |                     |                     | <i>Short Name:</i>         | DTC |
| <i>Plural:</i>                     | DECK TYPE CODE      |                     |                            |     |
| <i>Init. Volume:</i>               | <i>Avg. Volume:</i> | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |     |

Description:

Contains codes and descriptions for types of deck. Decks can be composed of Concrete Composite, Concrete, Concrete Removable, Gravel, Steel, Timber (Untreated/Treated/Untreated Panels/Treated Panels), Steel Free and Other. Concrete slab girders have no deck.

Attributes:

| <u>Name</u>                                                               | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * DECK TYPE CODE                                                          |               | N          | VARCHAR2      | 10            |
| Code representing a type of deck.                                         |               |            |               |               |
| DESCRIPTION                                                               |               | N          | VARCHAR2      | 120           |
| Text describing a deck type code.                                         |               |            |               |               |
| EFFECTIVE DATE                                                            |               | N          | DATE          |               |
| The date the data is effective and available as a valid deck type.        |               |            |               |               |
| EXPIRY DATE                                                               |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid deck type. |               |            |               |               |
| UPDATE TIMESTAMP                                                          |               | N          | DATE          |               |
| The date and time the content was last updated.                           |               |            |               |               |
| * = Attributes in primary unique identifier.                              |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE shows type of deck of one or more FOREST SERVICE BRIDGE  
MAY BE is part of one or more STRUCTURE INSPCTN QUESTION CRITERIA XREF  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                |         |   |
|----------------|---------|---|
| DTC            | Primary | Y |
| DECK TYPE CODE |         |   |

Short Name: DVLC

Init. Volume:                      Avg. Volume:                      Max. Volume:                      Annual Growth Rate:

Contains codes and descriptions for design vehicle configurations (the type of vehicle for which the structure design load rating is applicable). This value identifies what vehicle configuration was used when the initial structure was designed (such as Off Highway [L100] or On Highway [L75]).

| <u>Name</u>                                                                                      | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| DESIGN VEHICLE LOAD CODE                                                                         |               | N          | VARCHAR2      | 10            |
| Code representing a vehicle configuration used during structure design.                          |               |            |               |               |
| DESCRIPTION                                                                                      |               | N          | VARCHAR2      | 120           |
| Text describing a design vehicle code.                                                           |               |            |               |               |
| EFFECTIVE DATE                                                                                   |               | N          | DATE          |               |
| The date the data is effective and available to be used as a valid design vehicle configuration. |               |            |               |               |
| EXPIRY DATE                                                                                      |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid vehicle design configuration.     |               |            |               |               |
| UPDATE TIMESTAMP                                                                                 |               | N          | DATE          |               |
| The date and time the content was last updated.                                                  |               |            |               |               |
| * = <i>Attributes in primary unique identifier.</i>                                              |               |            |               |               |

Each Occurrence Of This Entity:

MAY BE defines vehicle design configuration for one or more CROSSING STRUCTURE

\* = Relationships in primary unique identifier.

DVC Primary Y  
*DESIGN VEHICLE LOAD CODE*

|                                          |                      |              |                     |
|------------------------------------------|----------------------|--------------|---------------------|
| <b>Entity Name:</b> EFILE EXTENSION CODE |                      | Short Name:  | EEC                 |
| Plural:                                  | EFILE EXTENSION CODE |              |                     |
| Init. Volume:                            | Avg. Volume:         | Max. Volume: | Annual Growth Rate: |

Description:

Contains codes and descriptions for file type extensions. For example DOC for a Microsoft Word document and JPG for a JPEG Graphic file.

Attributes:

| <u>Name</u>                                                               | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * EFILE EXTENSION CODE                                                    |               | N          | VARCHAR2      | 10            |
| Code representing a type of file.                                         |               |            |               |               |
| DESCRIPTION                                                               |               | N          | VARCHAR2      | 120           |
| Text describing an efile extension code.                                  |               |            |               |               |
| EFFECTIVE DATE                                                            |               | N          | DATE          |               |
| The date the data is effective and available as a valid file type.        |               |            |               |               |
| EXPIRY DATE                                                               |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid file type. |               |            |               |               |
| UPDATE TIMESTAMP                                                          |               | N          | DATE          |               |
| The date and time the content was last updated.                           |               |            |               |               |
| * = Attributes in primary unique identifier.                              |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE makes up one or more FILE MIME TYPE XREF  
MAY BE makes up one or more SIGN OUT FILE MIME TYPE XREF  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                      |         |   |
|----------------------|---------|---|
| FTC                  | Primary | Y |
| EFILE EXTENSION CODE |         |   |

|                                                     |                                |                     |                            |
|-----------------------------------------------------|--------------------------------|---------------------|----------------------------|
| <b>Entity Name:</b> ENGINEERED CULVERT MATERIAL COD |                                | <b>Short Name:</b>  | ECMC                       |
| <b>Plural:</b>                                      | ENGINEERED CLVRT MATERIAL CODE |                     |                            |
| <b>Init. Volume:</b>                                | <b>Avg. Volume:</b>            | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |

**Description:**

Contains codes and descriptions for culvert materials. Culvert materials can be Corrugated Steel, Steel (non-corrugated), Conrete, Log or Other.

**Attributes:**

| <u>Name</u>                                                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * ENGINEERED CLVRT MATERIAL CODE                                               |               | N          | VARCHAR2      | 10            |
| Code representing a type of culvert material.                                  |               |            |               |               |
| DESCRIPTION                                                                    |               | N          | VARCHAR2      | 120           |
| Text describing a culvert material code.                                       |               |            |               |               |
| EFFECTIVE DATE                                                                 |               | N          | DATE          |               |
| The date the data is effective and available as valid culvert material.        |               |            |               |               |
| EXPIRY DATE                                                                    |               | N          | DATE          |               |
| The date the data expires and can no longer be used as valid culvert material. |               |            |               |               |
| UPDATE TIMESTAMP                                                               |               | N          | DATE          |               |
| The date and time the content was last updated.                                |               |            |               |               |
| * = Attributes in primary unique identifier.                                   |               |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

MAY BE makes up a one or more FOREST SERVICE CULVERT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                                |         |   |
|--------------------------------|---------|---|
| CMC                            | Primary | Y |
| ENGINEERED CLVRT MATERIAL CODE |         |   |

|                                                  |                              |                     |                            |
|--------------------------------------------------|------------------------------|---------------------|----------------------------|
| <b>Entity Name:</b> ENGINEERED CULVERT TYPE CODE |                              | <b>Short Name:</b>  | ECTC                       |
| <b>Plural:</b>                                   | ENGINEERED CULVERT TYPE CODE |                     |                            |
| <b>Init. Volume:</b>                             | <b>Avg. Volume:</b>          | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |

Description:

Contains codes and descriptions for culvert types. A culvert can be Round, Elliptical, Box or Open Bottom.

Attributes:

| <u>Name</u>                                                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * ENGINEERED CULVERT TYPE CODE                                               |               | N          | VARCHAR2      | 10            |
| Code representing a type of culvert.                                         |               |            |               |               |
| DESCRIPTION                                                                  |               | N          | VARCHAR2      | 120           |
| Text describing a culvert type code.                                         |               |            |               |               |
| EFFECTIVE DATE                                                               |               | N          | DATE          |               |
| The date the data is effective and available as a valild culvert type.       |               |            |               |               |
| EXPIRY DATE                                                                  |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid culvert type. |               |            |               |               |
| UPDATE TIMESTAMP                                                             |               | N          | DATE          |               |
| The date and time the content was last updated.                              |               |            |               |               |
| * = Attributes in primary unique identifier.                                 |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE shows type of one or more FOREST SERVICE CULVERT

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                              |         |   |
|------------------------------|---------|---|
| CTC                          | Primary | Y |
| ENGINEERED CULVERT TYPE CODE |         |   |



|                                         |                     |              |                     |      |
|-----------------------------------------|---------------------|--------------|---------------------|------|
| <b>Entity Name:</b> FILE MIME TYPE CODE |                     |              | Short Name:         | FMTC |
| Plural:                                 | FILE MIME TYPE CODE |              |                     |      |
| Init. Volume:                           | Avg. Volume:        | Max. Volume: | Annual Growth Rate: |      |

**Description:**

Contains codes and descriptions for mime types. This allows the application to open files appropriately. Valid mime types include 'application/msword' (for Word documents), 'application/pdf' (for PDF documents).

**Attributes:**

| <u>Name</u>                                                               | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * FILE MIME TYPE CODE                                                     |               | N          | VARCHAR2      | 10            |
| Code representing a mime type.                                            |               |            |               |               |
| DESCRIPTION                                                               |               | N          | VARCHAR2      | 120           |
| Text describing a mime type code.                                         |               |            |               |               |
| EFFECTIVE DATE                                                            |               | N          | DATE          |               |
| The date the data is effective and available as a valid mime type.        |               |            |               |               |
| EXPIRY DATE                                                               |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid mime type. |               |            |               |               |
| UPDATE TIMESTAMP                                                          |               | N          | DATE          |               |
| The date and time the content was last updated.                           |               |            |               |               |
| * = Attributes in primary unique identifier.                              |               |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

MAY BE makes up one or more FILE MIME TYPE XREF

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                     |         |   |
|---------------------|---------|---|
| MTC                 | Primary | Y |
| FILE MIME TYPE CODE |         |   |

|                      |                     |                     |                            |
|----------------------|---------------------|---------------------|----------------------------|
| <b>Entity Name:</b>  | FILE MIME TYPE XREF | <i>Short Name:</i>  | FMTX                       |
| <i>Plural:</i>       | FILE MIME TYPE XREF |                     |                            |
| <i>Init. Volume:</i> | <i>Avg. Volume:</i> | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |

*Description:*

Cross reference table which relates a type of a file to a specific mime type.

*Attributes:*

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * = Attributes in primary unique identifier. |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

MAY BE show file and mime type of one or more CROSSING STRUCTURE FILE DETAIL

- \* MUST BE contains one and only one EFILE EXTENSION CODE
- \* MUST BE contains one and only one FILE MIME TYPE CODE

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|      |         |   |
|------|---------|---|
| FMTX | Primary | Y |
|------|---------|---|

MUST BE contains one and only one FILE MIME TYPE CODE

MUST BE contains one and only one EFILE EXTENSION CODE

|                                   |                     |                     |                            |
|-----------------------------------|---------------------|---------------------|----------------------------|
| <b>Entity Name:</b> FOREST CLIENT |                     | <i>Short Name:</i>  | FC                         |
| <i>Plural:</i>                    | FOREST CLIENT       |                     |                            |
| <i>Init. Volume:</i>              | <i>Avg. Volume:</i> | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |

Description:

Attributes:

| <u>Name</u>     | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------|---------------|------------|---------------|---------------|
| * CLIENT NUMBER |               | N          | VARCHAR2      | 8             |

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE has a one or more CLIENT LOCATION

\* = Relationships in primary unique identifier.

Unique Identifiers:

|               |         |   |
|---------------|---------|---|
| FC            | Primary | Y |
| CLIENT NUMBER |         |   |

|                                           |                       |                     |                            |     |
|-------------------------------------------|-----------------------|---------------------|----------------------------|-----|
| <b>Entity Name:</b> FOREST SERVICE BRIDGE |                       |                     | <b>Short Name:</b>         | FSB |
| <b>Plural:</b>                            | FOREST SERVICE BRIDGE |                     |                            |     |
| <b>Init. Volume:</b>                      | <b>Avg. Volume:</b>   | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |     |

**Description:**  
Contains information specific to a bridge structure.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * FOREST SERVICE BRIDGE IDENTIFIER                                                                                                                                                            |               | N          | NUMBER        | 10            |
| Unique identifier generated for each bridge.                                                                                                                                                  |               |            |               |               |
| TOTAL BRIDGE LENGTH                                                                                                                                                                           |               | Y          | NUMBER        | 6,1           |
| Length from one bridge end to the other end measured at bridge deck at center line.<br>Measured in metres.                                                                                    |               |            |               |               |
| DECK WIDTH                                                                                                                                                                                    |               | Y          | NUMBER        | 7,2           |
| Minimum available running surface (i.e., the bridge deck that is driven on between curbs).<br>Measured in metres.                                                                             |               |            |               |               |
| PORTABLE SUPERSTRUCTURE                                                                                                                                                                       |               | Y          | VARCHAR2      | 2000          |
| LOCATION DETAILS                                                                                                                                                                              |               |            |               |               |
| Comments related to the location of the portable superstructure.                                                                                                                              |               |            |               |               |
| DECK TYPE COMMENT                                                                                                                                                                             |               | Y          | VARCHAR2      | 2000          |
| Holds any additional information about the structure deck type.                                                                                                                               |               |            |               |               |
| ABUTMENT COMMENT                                                                                                                                                                              |               | Y          | VARCHAR2      | 2000          |
| Holds any additional information about the structure abutments.                                                                                                                               |               |            |               |               |
| SUPERSTRUCTURE COMMENT                                                                                                                                                                        |               | Y          | VARCHAR2      | 2000          |
| Holds any additional information required about the structure superstructure.                                                                                                                 |               |            |               |               |
| NEEDLE BEAM INDICATOR                                                                                                                                                                         |               | N          | VARCHAR2      | 1             |
| Identifies if the bridge has needle beams. A needle beam is a log placed under the stringers at midspan in the transverse direction in order to distribute vehicle loads to structural curbs. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                  |               |            |               |               |

**Relationships:**

|                                                                       |
|-----------------------------------------------------------------------|
| <u>Each Occurrence Of This Entity:</u>                                |
| MAY BE has a left abutment of one and only one ABUTMENT CODE          |
| MAY BE has a right abutment of one and only one ABUTMENT CODE         |
| MUST BE is a type of one and only one CROSSING STRUCTURE              |
| MAY BE a type of one and only one DECK TYPE CODE                      |
| MAY BE contains one or more FOREST SERVICE BRIDGE PIER                |
| MUST BE contains one or more FOREST SERVICE BRIDGE SPAN               |
| MAY BE stored at one and only one ORG UNIT                            |
| MAY BE a type of one and only one PORTABLE SUPERSTRUCTURE STATUS CODE |
| MAY BE has a type of one and only one RUNNING SURFACE CODE            |
| MAY BE a type of one and only one SUPERSTRUCTURE TYPE CODE            |
| * = Relationships in primary unique identifier.                       |

**Unique Identifiers:**

|                                  |         |   |
|----------------------------------|---------|---|
| BDGE                             | Primary | Y |
| FOREST SERVICE BRIDGE IDENTIFIER |         |   |

|                                                |                            |                     |                            |       |
|------------------------------------------------|----------------------------|---------------------|----------------------------|-------|
| <b>Entity Name:</b> FOREST SERVICE BRIDGE PIER |                            |                     | <b>Short Name:</b>         | FSBPR |
| <b>Plural:</b>                                 | FOREST SERVICE BRIDGE PIER |                     |                            |       |
| <b>Init. Volume:</b>                           | <b>Avg. Volume:</b>        | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |       |

Description:

A pier is an intermediate vertical support (between abutments) for superstructure spans. A bridge will have multiple piers when it has more than one span.

Attributes:

| <u>Name</u>                                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------|---------------|------------|---------------|---------------|
| * FOREST SERVICE BRIDGE PIER IDENTIFIER                       |               | N          | NUMBER        | 10            |
| Unique identifier generated for each span.                    |               |            |               |               |
| PIER NUMBER                                                   |               | N          | NUMBER        | 10            |
| Sequential number starting at one for each pier for a bridge. |               |            |               |               |
| ENTRY USERID                                                  |               | N          | VARCHAR2      | 30            |
| The user who initially created the data.                      |               |            |               |               |
| ENTRY TIMESTAMP                                               |               | N          | DATE          |               |
| The date/time the data was first created.                     |               |            |               |               |
| UPDATE USERID                                                 |               | N          | VARCHAR2      | 30            |
| The user who last updated the data.                           |               |            |               |               |
| UPDATE TIMESTAMP                                              |               | N          | DATE          |               |
| The date/time the data was last updated.                      |               |            |               |               |
| * = Attributes in primary unique identifier.                  |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MUST BE is part of one and only one FOREST SERVICE BRIDGE

MUST BE has a one and only one PIER TYPE CODE

MAY BE is inspected through one or more STRUCTURE INSPECTION ITEM

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                           |         |   |
|-----------------------------------------------------------|---------|---|
| PIER_NUMBER                                               | Primary | N |
| PIER NUMBER                                               |         |   |
| MUST BE is part of one and only one FOREST SERVICE BRIDGE |         |   |
| PR                                                        | Primary | Y |
| FOREST SERVICE BRIDGE PIER IDENTIFIER                     |         |   |

|                                                |                            |                     |                            |      |
|------------------------------------------------|----------------------------|---------------------|----------------------------|------|
| <b>Entity Name:</b> FOREST SERVICE BRIDGE SPAN |                            |                     | <i>Short Name:</i>         | FSBS |
| <i>Plural:</i>                                 | FOREST SERVICE BRIDGE SPAN |                     |                            |      |
| <i>Init. Volume:</i>                           | <i>Avg. Volume:</i>        | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |      |

Description:

A span is a minimum available running surface between curbs.

Attributes:

| <u>Name</u>                                                             | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * FOREST SERVICE BRIDGE SPAN IDENTIFIER                                 |               | N          | NUMBER        | 10            |
| Unique identifier generated for each span.                              |               |            |               |               |
| SPAN LENGTH                                                             |               | N          | NUMBER        | 6,1           |
| Length from center of bearing to center of bearing. Measured in metres. |               |            |               |               |
| SPAN NUMBER                                                             |               | N          | NUMBER        | 5             |
| Sequential number starting at one for each span for a bridge.           |               |            |               |               |
| ENTRY USERID                                                            |               | N          | VARCHAR2      | 30            |
| The user who initially created the data.                                |               |            |               |               |
| ENTRY TIMESTAMP                                                         |               | N          | DATE          |               |
| The date/time the data was first created.                               |               |            |               |               |
| UPDATE USERID                                                           |               | N          | VARCHAR2      | 30            |
| The user who last updated the data.                                     |               |            |               |               |
| UPDATE TIMESTAMP                                                        |               | N          | DATE          |               |
| The date/time the data was last updated.                                |               |            |               |               |
| * = Attributes in primary unique identifier.                            |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MUST BE is part of one and only one FOREST SERVICE BRIDGE  
MAY BE is inspected through one or more STRUCTURE INSPECTION ITEM  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                           |         |   |
|-----------------------------------------------------------|---------|---|
| SPAN_NUMBER                                               | Primary | N |
| SPAN NUMBER                                               |         |   |
| MUST BE is part of one and only one FOREST SERVICE BRIDGE |         |   |
| SPAN                                                      | Primary | Y |
| FOREST SERVICE BRIDGE SPAN IDENTIFIER                     |         |   |

|                                            |                        |                     |                            |     |
|--------------------------------------------|------------------------|---------------------|----------------------------|-----|
| <b>Entity Name:</b> FOREST SERVICE CULVERT |                        |                     | <b>Short Name:</b>         | FSC |
| <b>Plural:</b>                             | FOREST SERVICE CULVERT |                     |                            |     |
| <b>Init. Volume:</b>                       | <b>Avg. Volume:</b>    | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |     |

**Description:**  
Contains information specific to a culvert structure.

**Attributes:**

| <u>Name</u>                                                                                                                | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * FOREST SERVICE CULVERT IDENTIFIER                                                                                        |               | N          | NUMBER        | 10            |
| Unique identifier generated for a culvert.                                                                                 |               |            |               |               |
| CULVERT NUMBER                                                                                                             |               | Y          | NUMBER        | 5             |
| Identifies where the culvert is starting from the left bank. I.e., culvert number one is the closest to the left bank.     |               |            |               |               |
| CULVERT LENGTH                                                                                                             |               | Y          | NUMBER        | 6,1           |
| Length of a culvert along the direction of the watercourse (i.e., the direction the water is flowing). Measured in metres. |               |            |               |               |
| SLOPE                                                                                                                      |               | Y          | NUMBER        | 4,1           |
| The slope of culvert expressed as a percentage (rise over run ratio).                                                      |               |            |               |               |
| INLET COVER DEPTH                                                                                                          |               | Y          | NUMBER        | 10            |
| The depth of soil fill over upstream end of the culvert at the edge of the road surface. Measured in millimetres.          |               |            |               |               |
| OUTLET COVER DEPTH                                                                                                         |               | Y          | NUMBER        | 10            |
| The depth of soil fill over the downstream end of the culvert at the edge of the road surface. Measured in millimetres.    |               |            |               |               |
| OPENING HEIGHT                                                                                                             |               | Y          | NUMBER        | 10            |
| The height from the base of the culvert to the inside top (measured vertically). Measured in millimetres.                  |               |            |               |               |
| OPENING WIDTH                                                                                                              |               | Y          | NUMBER        | 10            |
| Inside wall to wall distance of a culvert (measured horizontally). Measured in millimetres.                                |               |            |               |               |
| CULVERT MATERIAL COMMENT                                                                                                   |               | Y          | VARCHAR2      | 2000          |
| Holds any additional information required about the structure culvert material.                                            |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                               |               |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

- MUST BE is a type of one and only one CROSSING STRUCTURE
  - MAY BE made up of one and only one ENGINEERED CULVERT MATERIAL CODE
  - MAY BE has a one and only one ENGINEERED CULVERT TYPE CODE
  - MAY BE has a one and only one HEADWALL LOCATION CODE
  - MAY BE made up of one and only one OPEN BOTTOM CULVERT SUBSTRUCTURE CODE
- \* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                                   |         |   |
|-----------------------------------|---------|---|
| CLVRT                             | Primary | Y |
| FOREST SERVICE CULVERT IDENTIFIER |         |   |

|                                            |                        |                     |                            |
|--------------------------------------------|------------------------|---------------------|----------------------------|
| <b>Entity Name:</b> HEADWALL LOCATION CODE |                        | <i>Short Name:</i>  | HLC                        |
| <i>Plural:</i>                             | HEADWALL LOCATION CODE |                     |                            |
| <i>Init. Volume:</i>                       | <i>Avg. Volume:</i>    | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |

*Description:*

Contains codes and descriptions for headwall locations. Codes include Inlet, Outlet, Both or None. A headwall is a vertical wall built at the end of a culvert to retain fill.

*Attributes:*

| <u>Name</u>                                                                       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * HEADWALL LOCATION CODE                                                          |               | N          | VARCHAR2      | 10            |
| Code representing a location of a headwall.                                       |               |            |               |               |
| DESCRIPTION                                                                       |               | N          | VARCHAR2      | 120           |
| Text describing a headwall location code.                                         |               |            |               |               |
| EFFECTIVE DATE                                                                    |               | N          | DATE          |               |
| The date the data is effective and available as a valid headwall location.        |               |            |               |               |
| EXPIRY DATE                                                                       |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid headwall location. |               |            |               |               |
| UPDATE TIMESTAMP                                                                  |               | N          | DATE          |               |
| The date and time the content was last updated.                                   |               |            |               |               |
| * = Attributes in primary unique identifier.                                      |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

MAY BE shows headwall location of one or more FOREST SERVICE CULVERT

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                        |         |   |
|------------------------|---------|---|
| HLC                    | Primary | Y |
| HEADWALL LOCATION CODE |         |   |

**Entity Name:** INSPECTION REPORT STATUS*Short Name:*

IRS

*Plural:* INSPECTION REPORT STATUS*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

Maintains a list of all inspection report status codes for each inspection. The most recent status code for an inspection is considered to be the inspection's current status code.

**Attributes:**

| <u>Name</u>                                                                                               | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * INSPECTION REPORT STATUS ID                                                                             |               | N          | NUMBER        | 10            |
| The primary key used to uniquely identify each audited inspection report status code for all inspections. |               |            |               |               |
| ENTRY USERID                                                                                              |               | N          | VARCHAR2      | 30            |
| The user that set the inspection status.                                                                  |               |            |               |               |
| ENTRY TIMESTAMP                                                                                           |               | N          | DATE          |               |
| The date when a user set the inspection status.                                                           |               |            |               |               |
| * = Attributes in primary unique identifier.                                                              |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE has a one and only one INSPECTION REPORT STATUS CODE

MUST BE shows status audit one and only one STRUCTURE INSPECTION

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

IRST\_PK Primary Y

INSPECTION REPORT STATUS ID

|                                                   |                               |              |                     |
|---------------------------------------------------|-------------------------------|--------------|---------------------|
| <b>Entity Name:</b> INSPECTION REPORT STATUS CODE |                               | Short Name:  | IRSC                |
| Plural:                                           | INSPECTION REPORT STATUS CODE |              |                     |
| Init. Volume:                                     | Avg. Volume:                  | Max. Volume: | Annual Growth Rate: |

Description:

Contains codes and descriptions for inspection report statuses. An inspection report can either be In Progress, Submitted, Accepted or Taken Offline. Note: An XREF table exists for these codes which defines the display order of the codes.

Attributes:

| <u>Name</u>                                                                              | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * INSPECTION REPORT STATUS CODE                                                          |               | N          | VARCHAR2      | 10            |
| Code representing an inspection report status.                                           |               |            |               |               |
| DESCRIPTION                                                                              |               | N          | VARCHAR2      | 120           |
| Text describing an inspection report status code.                                        |               |            |               |               |
| EFFECTIVE DATE                                                                           |               | N          | DATE          |               |
| The date the data is effective and available as a valid inspection report status.        |               |            |               |               |
| EXPIRY DATE                                                                              |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid inspection report status. |               |            |               |               |
| UPDATE TIMESTAMP                                                                         |               | N          | DATE          |               |
| The date and time the content was last updated.                                          |               |            |               |               |
| * = Attributes in primary unique identifier.                                             |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE shows status of one or more INSPECTION REPORT STATUS

MUST BE is ordered by one and only one INSPECTION REPORT STS CD XREF

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                               |         |   |
|-------------------------------|---------|---|
| IRSC                          | Primary | Y |
| INSPECTION REPORT STATUS CODE |         |   |

|                                                   |                               |                     |                            |
|---------------------------------------------------|-------------------------------|---------------------|----------------------------|
| <b>Entity Name:</b> INSPECTION REPORT STS CD XREF |                               | <i>Short Name:</i>  | IRSCX                      |
| <i>Plural:</i>                                    | INSPECTION REPORT STS CD XREF |                     |                            |
| <i>Init. Volume:</i>                              | <i>Avg. Volume:</i>           | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |

*Description:*

Contains the display order of the inspection report status codes. Used for displaying the codes in a specific order in drop-down fields/elements in the CBR application.

*Attributes:*

| <u>Name</u>   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------|---------------|------------|---------------|---------------|
| DISPLAY ORDER |               | N          | NUMBER        | 2             |

A number representing the display order of the inspection report status code.

\* = *Attributes in primary unique identifier.*

*Relationships:*

*Each Occurrence Of This Entity:*

MUST BE defines order for one and only one INSPECTION REPORT STATUS CODE

\* = *Relationships in primary unique identifier.*

|                                                   |                     |                     |                            |
|---------------------------------------------------|---------------------|---------------------|----------------------------|
| <b>Entity Name:</b> LOAD POSTING SIGN WRRNTD CODE |                     |                     | <b>Short Name:</b> LPSWC   |
| <b>Plural:</b> LOAD POSTING SIGN WRRNTD CODE      |                     |                     |                            |
| <b>Init. Volume:</b>                              | <b>Avg. Volume:</b> | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |

**Description:**

Contains codes and descriptions for the load posting sign warranted field on an inspection. The data for this entry can be Yes, No or Unknown.

**Attributes:**

| <u>Name</u>                                                                                       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * LOAD POSTING SIGN WRRNTD CODE                                                                   |               | N          | VARCHAR2      | 10            |
| Code representing a load posting sign warranted entry.                                            |               |            |               |               |
| DESCRIPTION                                                                                       |               | N          | VARCHAR2      | 120           |
| Text describing a load posting sign warranted code.                                               |               |            |               |               |
| EFFECTIVE DATE                                                                                    |               | N          | DATE          |               |
| The date the data is effective and available as a valid load posting sign warranted entry.        |               |            |               |               |
| EXPIRY DATE                                                                                       |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid load posting sign warranted entry. |               |            |               |               |
| UPDATE TIMESTAMP                                                                                  |               | N          | DATE          |               |
| The date/time the data was last updated.                                                          |               |            |               |               |
| * = Attributes in primary unique identifier.                                                      |               |            |               |               |

**Relationships:**

Each Occurrence Of This Entity:

MAY BE shows if warranted for one or more CROSSING STRUCTURE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                               |         |   |
|-------------------------------|---------|---|
| LPSWC                         | Primary | Y |
| LOAD POSTING SIGN WRRNTD CODE |         |   |

|                                            |                        |                     |                            |     |
|--------------------------------------------|------------------------|---------------------|----------------------------|-----|
| <b>Entity Name:</b> MONITOR FREQUENCY CODE |                        |                     | <i>Short Name:</i>         | MFC |
| <i>Plural:</i>                             | MONITOR FREQUENCY CODE |                     |                            |     |
| <i>Init. Volume:</i>                       | <i>Avg. Volume:</i>    | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |     |

Description:

Contains codes and descriptions for the frequency that a monitor item should be monitored. A monitor frequency code can either be Daily, Weekly, Monthly, Every 3 Months, Every 6 Months, Anually, Every Routine Inspection and Other. When Other is used, a comment is required.

Attributes:

| <u>Name</u>                                                                       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * MONITOR FREQUENCY CODE                                                          |               | N          | VARCHAR2      | 10            |
| Code representing a monitor frequency.                                            |               |            |               |               |
| DESCRIPTION                                                                       |               | N          | VARCHAR2      | 120           |
| Text describing a monitor frequency code.                                         |               |            |               |               |
| EFFECTIVE DATE                                                                    |               | N          | DATE          |               |
| The date the data is effective and available as a valid monitor frequency.        |               |            |               |               |
| EXPIRY DATE                                                                       |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid monitor frequency. |               |            |               |               |
| UPDATE TIMESTAMP                                                                  |               | N          | DATE          |               |
| The date/time the data was last updated.                                          |               |            |               |               |
| * = Attributes in primary unique identifier.                                      |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE shows frequency of one or more STRUCTURE MONITOR ITEMS

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                        |         |   |
|------------------------|---------|---|
| MFC                    | Primary | Y |
| MONITOR FREQUENCY CODE |         |   |

|                                            |                        |                     |                            |     |
|--------------------------------------------|------------------------|---------------------|----------------------------|-----|
| <b>Entity Name:</b> MONITORING STATUS CODE |                        |                     | <i>Short Name:</i>         | MSC |
| <i>Plural:</i>                             | MONITORING STATUS CODE |                     |                            |     |
| <i>Init. Volume:</i>                       | <i>Avg. Volume:</i>    | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |     |

*Description:*

Contains codes and descriptions for monitoring statuses. The status for a monitor can either be Suggested, Required, Not Required or Completed.

*Attributes:*

| <u>Name</u>                                                                       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * MONITORING STATUS CODE                                                          |               | N          | VARCHAR2      | 10            |
| Code representing a monitoring status.                                            |               |            |               |               |
| DESCRIPTION                                                                       |               | N          | VARCHAR2      | 120           |
| Text describing a monitoring status code.                                         |               |            |               |               |
| EFFECTIVE DATE                                                                    |               | N          | DATE          |               |
| The date the data is effective and available as a valid monitoring status.        |               |            |               |               |
| EXPIRY DATE                                                                       |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid monitoring status. |               |            |               |               |
| UPDATE TIMESTAMP                                                                  |               | N          | DATE          |               |
| The date and time the content was last updated.                                   |               |            |               |               |
| * = Attributes in primary unique identifier.                                      |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

MAY BE shows status of one or more STRUCTURE MONITOR ITEMS

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                        |         |   |
|------------------------|---------|---|
| MSC                    | Primary | Y |
| MONITORING STATUS CODE |         |   |

|                                                    |                                |                          |                            |
|----------------------------------------------------|--------------------------------|--------------------------|----------------------------|
| <b>Entity Name:</b> OPEN BOTTOM CULVERT SUBSTRUCTU |                                | <i>Short Name:</i> OBCSC |                            |
| <i>Plural:</i>                                     | OPN BTOM CLVRT SUBSTRCTRE CODE |                          |                            |
| <i>Init. Volume:</i>                               | <i>Avg. Volume:</i>            | <i>Max. Volume:</i>      | <i>Annual Growth Rate:</i> |

Description:

Contains codes and descriptions for types of materials that the foundation of an open bottom culvert is composed of. For example, Piles, Lock-block Footing, Cast in Place Concrete Footing and Steel Footing.

Attributes:

| <u>Name</u>                                                                                                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * OPN BTOM CLVRT SUBSTRCTRE CODE                                                                                              |               | N          | VARCHAR2      | 10            |
| Code representing a type of material for the foundation of an open bottom culvert.                                            |               |            |               |               |
| DESCRIPTION                                                                                                                   |               | N          | VARCHAR2      | 120           |
| Text describing an open bottom culvert substructure code.                                                                     |               |            |               |               |
| EFFECTIVE DATE                                                                                                                |               | N          | DATE          |               |
| The date the data is effective and available as a valid type of material for the foundation of an open bottom culvert         |               |            |               |               |
| EXPIRY DATE                                                                                                                   |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid type of material for the foundation of an open bottom culvert. |               |            |               |               |
| UPDATE TIMESTAMP                                                                                                              |               | N          | DATE          |               |
| The date and time the content was last updated.                                                                               |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                  |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE describe a one or more FOREST SERVICE CULVERT

MAY BE is part of one or more STRUCTURE INSPCTN QUESTION CRITERIA XREF

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                |         |   |
|--------------------------------|---------|---|
| OBCSC                          | Primary | Y |
| OPN BTOM CLVRT SUBSTRCTRE CODE |         |   |

Short Name: OU

Init. Volume:                      Avg. Volume:                      Max. Volume:                      Annual Growth Rate:

*Attributes:*

\* = Attributes in primary unique identifier.

*Each Occurrence Of This Entity:*

\* = Relationships in primary unique identifier.

### Unique Identifiers:

ORG UNIT NUMBER

|                                    |                |              |                     |     |
|------------------------------------|----------------|--------------|---------------------|-----|
| <b>Entity Name:</b> PIER TYPE CODE |                |              | Short Name:         | PTC |
| Plural:                            | PIER TYPE CODE |              |                     |     |
| Init. Volume:                      | Avg. Volume:   | Max. Volume: | Annual Growth Rate: |     |

Description:

Contains codes and descriptions for pier types. A pier type describes the material that a pier is composed of. A pier is an intermediate vertical support (between abutments) for superstructure spans. A pier could be a Steel Column on Concrete Pad, Piles (Timber Treated or Untreated), Piles (Concrete), Crib (Timber), Concrete or Piles (Steel).

Attributes:

| <u>Name</u>                                                               | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * PIER TYPE CODE                                                          |               | N          | VARCHAR2      | 10            |
| Code representing a type of pier.                                         |               |            |               |               |
| DESCRIPTION                                                               |               | N          | VARCHAR2      | 120           |
| Text describing a pier type code.                                         |               |            |               |               |
| EFFECTIVE DATE                                                            |               | N          | DATE          |               |
| The date the data is effective and available as a valid pier type.        |               |            |               |               |
| EXPIRY DATE                                                               |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid pier type. |               |            |               |               |
| UPDATE TIMESTAMP                                                          |               | N          | DATE          |               |
| The date and time the content was last updated.                           |               |            |               |               |
| * = Attributes in primary unique identifier.                              |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE describes a one or more FOREST SERVICE BRIDGE PIER

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                |         |   |
|----------------|---------|---|
| PTC            | Primary | Y |
| PIER TYPE CODE |         |   |

|                                                      |                                |              |                     |
|------------------------------------------------------|--------------------------------|--------------|---------------------|
| <b>Entity Name:</b> PORTABLE SUPERSTRUCTURE STATUS ( |                                | Short Name:  | PSSC                |
| Plural:                                              | PRTBLE SUPERSTRUCTURE STS CODE |              |                     |
| Init. Volume:                                        | Avg. Volume:                   | Max. Volume: | Annual Growth Rate: |

**Description:**  
Contains codes and descriptions for portable superstructure statuses. This status indicates whether a structure is Installed at a road site or is in Storage.

| Attributes:                                                                                    |               |            |               |               |
|------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| <u>Name</u>                                                                                    | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
| * PRTBLE SUPERSTRUCTURE STS CODE                                                               |               | N          | VARCHAR2      | 10            |
| Code representing a portable superstructure status.                                            |               |            |               |               |
| DESCRIPTION                                                                                    |               | N          | VARCHAR2      | 120           |
| Text describing a portable superstructure status code.                                         |               |            |               |               |
| EFFECTIVE DATE                                                                                 |               | N          | DATE          |               |
| The date the data is effective and available as a valid portable superstructure status.        |               |            |               |               |
| EXPIRY DATE                                                                                    |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid portable superstructure status. |               |            |               |               |
| UPDATE TIMESTAMP                                                                               |               | N          | DATE          |               |
| The date and time the content was last updated.                                                |               |            |               |               |
| * = Attributes in primary unique identifier.                                                   |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:  
MAY BE describes a one or more FOREST SERVICE BRIDGE  
\* = Relationships in primary unique identifier.

**Unique Identifiers:**  
PSSC Primary Y  
PRTBLE SUPERSTRUCTURE STS CODE

|                                          |                      |              |                     |     |
|------------------------------------------|----------------------|--------------|---------------------|-----|
| <b>Entity Name:</b> REPAIR PRIORITY CODE |                      |              | Short Name:         | RPC |
| Plural:                                  | REPAIR PRIORITY CODE |              |                     |     |
| Init. Volume:                            | Avg. Volume:         | Max. Volume: | Annual Growth Rate: |     |

*Description:*

Contains codes and descriptions for repair priorities. A repair priority is either High, Medium or Low.

*Attributes:*

| <u>Name</u>                                                                     | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * REPAIR PRIORITY CODE                                                          |               | N          | VARCHAR2      | 10            |
| Code representing a repair priority.                                            |               |            |               |               |
| DESCRIPTION                                                                     |               | N          | VARCHAR2      | 120           |
| Text describing a repair priority code.                                         |               |            |               |               |
| EFFECTIVE DATE                                                                  |               | N          | DATE          |               |
| The date the data is effective and available as a valid repair priority.        |               |            |               |               |
| EXPIRY DATE                                                                     |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid repair priority. |               |            |               |               |
| UPDATE TIMESTAMP                                                                |               | N          | DATE          |               |
| The date and time the content was last updated.                                 |               |            |               |               |
| * = Attributes in primary unique identifier.                                    |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

MAY BE shows priority of one or more STRUCTURE REPAIR

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                      |         |   |
|----------------------|---------|---|
| RPC                  | Primary | Y |
| REPAIR PRIORITY CODE |         |   |

**Entity Name:** REPAIR STATUS CODE*Short Name:*

RPSC

*Plural:* REPAIR STATUS CODE*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

Contains codes and descriptions for repair statuses. A repair status is either Suggested, Required, Not Required or Completed.

**Attributes:**

| <u>Name</u>                                                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * REPAIR STATUS CODE                                                          |               | N          | VARCHAR2      | 10            |
| Code representing a type of repair status.                                    |               |            |               |               |
| DESCRIPTION                                                                   |               | N          | VARCHAR2      | 120           |
| Text describing a repair status code.                                         |               |            |               |               |
| EFFECTIVE DATE                                                                |               | N          | DATE          |               |
| The date the data is effective and available as a valid repair status.        |               |            |               |               |
| EXPIRY DATE                                                                   |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid repair status. |               |            |               |               |
| UPDATE TIMESTAMP                                                              |               | N          | DATE          |               |
| The date and time the content was last updated.                               |               |            |               |               |
| * = Attributes in primary unique identifier.                                  |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MAY BE shows status of one or more STRUCTURE REPAIR

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

RPSC

*Primary* Y

REPAIR STATUS CODE

|                                  |                     |                     |                            |  |
|----------------------------------|---------------------|---------------------|----------------------------|--|
| <b>Entity Name:</b> ROAD SECTION |                     |                     | <i>Short Name:</i> RS      |  |
| <i>Plural:</i> ROAD SECTION      |                     |                     |                            |  |
| <i>Init. Volume:</i>             | <i>Avg. Volume:</i> | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |  |

Description:

Attributes:

| <u>Name</u>       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------|---------------|------------|---------------|---------------|
| * FOREST FILE ID  |               | N          | VARCHAR2      | 10            |
| ROAD SECT NAME    |               | N          | VARCHAR2      | 20            |
| * ROAD SECTION ID |               | N          | VARCHAR2      | 30            |

\* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MAY BE provides access to one or more ROAD SEGMENT

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                 |         |   |
|-----------------|---------|---|
| RS              | Primary | Y |
| ROAD SECTION ID |         |   |
| FOREST FILE ID  |         |   |

|                                  |                     |                     |                            |     |
|----------------------------------|---------------------|---------------------|----------------------------|-----|
| <b>Entity Name:</b> ROAD SEGMENT |                     |                     | <i>Short Name:</i>         | RDS |
| <i>Plural:</i>                   | ROAD SEGMENT        |                     |                            |     |
| <i>Init. Volume:</i>             | <i>Avg. Volume:</i> | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |     |

Description:

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * FOREST FILE ID                             |               | N          | VARCHAR2      | 10            |
| ROAD RESPONSIBILITY TYPE CODE                |               | N          | VARCHAR2      | 3             |
| * ROAD SECTION ID                            |               | N          | VARCHAR2      | 30            |
| * ROAD SEGMENT ID                            |               | N          | NUMBER        | 10            |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE shows road responsibility for one or more CROSSING SITE

MUST BE connected to one and only one ROAD SECTION

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                 |         |   |
|-----------------|---------|---|
| RDS             | Primary | Y |
| FOREST FILE ID  |         |   |
| ROAD SECTION ID |         |   |
| ROAD SEGMENT ID |         |   |

|                                          |                      |                     |                            |     |
|------------------------------------------|----------------------|---------------------|----------------------------|-----|
| <b>Entity Name:</b> RUNNING SURFACE CODE |                      |                     | <b>Short Name:</b>         | RSC |
| <b>Plural:</b>                           | RUNNING SURFACE CODE |                     |                            |     |
| <b>Init. Volume:</b>                     | <b>Avg. Volume:</b>  | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |     |

Description:

Contains codes and descriptions for running surfaces. A running surface describes the material that the surface of the bridge is composed of (excluding the material used to compose the structure deck) such as Concrete, Timber Planks, Gravel, Asphalt, Anti-skid or Not Available.

Attributes:

| <u>Name</u>                                                                     | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * RUNNING SURFACE CODE                                                          |               | N          | VARCHAR2      | 10            |
| Code representing a running surface.                                            |               |            |               |               |
| DESCRIPTION                                                                     |               | N          | VARCHAR2      | 120           |
| Text describing a running surface.                                              |               |            |               |               |
| EFFECTIVE DATE                                                                  |               | N          | DATE          |               |
| The date the data is effective and available as a valid running surface.        |               |            |               |               |
| EXPIRY DATE                                                                     |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid running surface. |               |            |               |               |
| UPDATE TIMESTAMP                                                                |               | N          | DATE          |               |
| The date and time the content was last updated.                                 |               |            |               |               |
| * = Attributes in primary unique identifier.                                    |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE shows type of running surface of one or more FOREST SERVICE BRIDGE

MAY BE is part of one or more STRUCTURE INSPCTN QUESTION CRITERIA XREF

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                      |         |   |
|----------------------|---------|---|
| RSC                  | Primary | Y |
| RUNNING SURFACE CODE |         |   |

SARC

*Annual Growth Rate:*

## SPECIAL ACCESS REQUIREMENT CODE

|                      |                                    |                     |                            |
|----------------------|------------------------------------|---------------------|----------------------------|
| <b>Entity Name:</b>  | SPECIAL EQUIPMENT REQUIREMENT CC   | <b>Short Name:</b>  | SERC                       |
| <b>Plural:</b>       | SPECIAL EQUIPMENT REQUIREMENT CODE |                     |                            |
| <b>Init. Volume:</b> | <b>Avg. Volume:</b>                | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |

Description:

Contains codes and descriptions for special equipment requirements required for accessing a structure. This helps an inspector identify what equipment may be required before accessing the structure such as Scuba gear or a Peeper truck.

Attributes:

| <u>Name</u>                                                                                   | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SPECIAL EQUIPMENT REQUIREMENT CODE                                                          |               | N          | VARCHAR2      | 10            |
| Code representing special equipment requirements for a structure.                             |               |            |               |               |
| DESCRIPTION                                                                                   |               | N          | VARCHAR2      | 120           |
| Text describing a special equipment requirement code.                                         |               |            |               |               |
| EFFECTIVE DATE                                                                                |               | N          | DATE          |               |
| The date the data is effective and available as a valid special equipment requirement.        |               |            |               |               |
| EXPIRY DATE                                                                                   |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid special equipment requirement. |               |            |               |               |
| UPDATE TIMESTAMP                                                                              |               | N          | DATE          |               |
| The date and time the content was last updated.                                               |               |            |               |               |
| * = Attributes in primary unique identifier.                                                  |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE shows special equipment requirements one or more CROSSING STRUCTURE

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                    |         |   |
|------------------------------------|---------|---|
| SERC                               | Primary | Y |
| SPECIAL EQUIPMENT REQUIREMENT CODE |         |   |

**Entity Name:** STRUCTURE COMMENT

Short Name:

SC

Plural: STRUCTURE COMMENT

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

**Description:**

Contains comments for a crossing structure. Users are able to insert new comments and update existing comments. This table contains both structure comments and planned inspection comments. The two types of comments are differentiated via the PLANNED\_INSPECTION\_CMT\_IND column. If the PLANNED\_INSPECTION\_CMD\_IND column is set to Y, then the comment is considered to be a "planned inspection comment"; otherwise, the comment is a structure comment.

**Attributes:**

| <u>Name</u>                                                                                         | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * STRUCTURE COMMENT ID                                                                              |               | N          | NUMBER        | 10            |
| A unique identifier for a structure comment.                                                        |               |            |               |               |
| STRUCTURE COMMENT                                                                                   |               | N          | VARCHAR2      | 2000          |
| Text of the comment.                                                                                |               |            |               |               |
| PLANNED INSPECTION CMT IND                                                                          |               | N          | VARCHAR2      | 1             |
| An indicator of whether the comment is a planned inspection comment or a general structure comment. |               |            |               |               |
| ENTRY USERID                                                                                        |               | N          | VARCHAR2      | 30            |
| The user who initially created the data.                                                            |               |            |               |               |
| ENTRY TIMESTAMP                                                                                     |               | N          | DATE          |               |
| The date/time the data was first created.                                                           |               |            |               |               |
| UPDATE USERID                                                                                       |               | N          | VARCHAR2      | 30            |
| The user who updated the record. Set to the entry user when the record is created.                  |               |            |               |               |
| UPDATE TIMESTAMP                                                                                    |               | N          | DATE          |               |
| The date/time the data was edited. Set to the entry date/time when the record is first created.     |               |            |               |               |
| * = Attributes in primary unique identifier.                                                        |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE comments on one and only one CROSSING STRUCTURE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SC Primary Y

STRUCTURE COMMENT ID

Short Name: SIACO

*Init. Volume:*                      *Avg. Volume:*                      *Max. Volume:*                      *Annual Growth Rate:*

*MUST BE orders one and only one STRUCTURE INSPECTION ANSWER CODE*

|                                                      |                                        |              |                     |
|------------------------------------------------------|----------------------------------------|--------------|---------------------|
| <b>Entity Name:</b> STRUCTURE INSPCTN QUESTION ANSW[ |                                        | Short Name:  | SIQAX               |
| Plural:                                              | STRUCTURE INSPCTN QUESTION ANSWER XREF |              |                     |
| Init. Volume:                                        | Avg. Volume:                           | Max. Volume: | Annual Growth Rate: |

Description:

This entity represents the valid combinations of structure inspection questions and structure inspection answers.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- \* MUST BE contains one and only one STRUCTURE INSPECTION ANSWER CODE
- \* MUST BE contains one and only one STRUCTURE INSPECTION QUESTION CODE
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                                      |         |   |
|----------------------------------------------------------------------|---------|---|
| SIQAX                                                                | Primary | Y |
| MUST BE contains one and only one STRUCTURE INSPECTION QUESTION CODE |         |   |
| MUST BE contains one and only one STRUCTURE INSPECTION ANSWER CODE   |         |   |

|                      |                                          |                     |                            |
|----------------------|------------------------------------------|---------------------|----------------------------|
| <b>Entity Name:</b>  | STRUCTURE INSPCTN QUESTION CRITEI        | <b>Short Name:</b>  | SIQCX                      |
| <b>Plural:</b>       | STRUCTURE INSPCTN QUESTION CRITERIA XREF |                     |                            |
| <b>Init. Volume:</b> | <b>Avg. Volume:</b>                      | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |

Description:

Maps any criteria that must be met before a question is to be displayed. For example, a Deck question about Running Surface quality should be displayed for all structure types except for gravel, steel and timber.

Attributes:

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * INSPCTN QUESTION CRITERIA IDENTIFIER       |               | N          | NUMBER        | 10            |
| A unique identifier for data.                |               |            |               |               |
| * = Attributes in primary unique identifier. |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE contains one and only one RUNNING SURFACE CODE  
or MAY BE contains one and only one DECK TYPE CODE  
or MAY BE contains one and only one SUPERSTRUCTURE TYPE CODE  
or MAY BE contains one and only one OPEN BOTTOM CULVERT SUBSTRUCTURE CODE  
or MAY BE contains one and only one ABUTMENT CODE  
MUST BE shows criteria for one and only one STRUCTURE INSPECTION QUESTION CODE  
\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                      |         |   |
|--------------------------------------|---------|---|
| SIQCX                                | Primary | Y |
| INSPCTN QUESTION CRITERIA IDENTIFIER |         |   |

|                                                      |                                         |              |                     |
|------------------------------------------------------|-----------------------------------------|--------------|---------------------|
| <b>Entity Name:</b> STRUCTURE INSPCTN QUESTION SUBSC |                                         | Short Name:  | SIQSX               |
| Plural:                                              | STRUCTURE INSPCTN QUESTION SUBSCTN XREF |              |                     |
| Init. Volume:                                        | Avg. Volume:                            | Max. Volume: | Annual Growth Rate: |

**Description:**  
This entity defines which inspection questions belong to which subsection.

**Attributes:**

| <u>Name</u>                                                                                                              | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| ORDER BY                                                                                                                 |               | N          | NUMBER        | 2             |
| This attribute holds the order by which the structure inspection question is sorted per subsection for display purposes. |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                             |               |            |               |               |

**Relationships:**  
Each Occurrence Of This Entity:

- \* MUST BE contains one and only one STRUCTURE INSPECTION QUESTION CODE
- \* MUST BE contains one and only one STRUCTURE INSPECTION SUBSECTION CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

|       |         |   |
|-------|---------|---|
| SIQSX | Primary | Y |
|-------|---------|---|

MUST BE contains one and only one STRUCTURE INSPECTION SUBSECTION CODE  
MUST BE contains one and only one STRUCTURE INSPECTION QUESTION CODE

**Entity Name:** STRUCTURE INSPECTION

Short Name:

SI

Plural: STRUCTURE INSPECTION

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

**Description:**

Contains information found during an inspection.

**Attributes:**

| <u>Name</u>                                                                                                                                                                                                                      | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * INSPECTION IDENTIFIER                                                                                                                                                                                                          |               | N          | NUMBER        | 10            |
| A unique identifier for an inspection.                                                                                                                                                                                           |               |            |               |               |
| CHANNEL HWL CLEARANCE                                                                                                                                                                                                            |               | Y          | NUMBER        | 6,1           |
| Estimated minimum high-water level (HWL) clearance to underside of span given visual high-water evidence. Measured in metres.                                                                                                    |               |            |               |               |
| CHANNEL PWL DEPTH                                                                                                                                                                                                                |               | Y          | NUMBER        | 6,1           |
| Estimated average present water level (PWL) depth for present wetted width. Estimated present water surface width. Present wetted width can be defined as the total stream width at the present water level. Measured in metres. |               |            |               |               |
| CHANNEL PWL WIDTH                                                                                                                                                                                                                |               | Y          | NUMBER        | 6,1           |
| Estimated average present water level (PWL) width of the channel of at time of inspection measured from edge of water to edge of water. Measured in metres.                                                                      |               |            |               |               |
| HIGH WATER HAZARD INDICATOR                                                                                                                                                                                                      |               | N          | VARCHAR2      | 1             |
| Indication that a high water condition exists that could impact the integrity of the bridge.                                                                                                                                     |               |            |               |               |
| DEBRIS HAZARD INDICATOR                                                                                                                                                                                                          |               | N          | VARCHAR2      | 1             |
| Indication that debris exists that could impact the integrity of the bridge.                                                                                                                                                     |               |            |               |               |
| SCOUR HAZARD INDICATOR                                                                                                                                                                                                           |               | N          | VARCHAR2      | 1             |
| Indication that scour exists that could impact the integrity of the bridge.                                                                                                                                                      |               |            |               |               |
| AGGRADATION HAZARD INDICATOR                                                                                                                                                                                                     |               | N          | VARCHAR2      | 1             |
| Indication that aggradation exists that could impact the integrity of the bridge.                                                                                                                                                |               |            |               |               |
| ICE HAZARD INDICATOR                                                                                                                                                                                                             |               | N          | VARCHAR2      | 1             |
| Indication that ice exists that could impact the integrity of the bridge.                                                                                                                                                        |               |            |               |               |
| HAZARD COMMENT                                                                                                                                                                                                                   |               | Y          | VARCHAR2      | 2000          |
| Comment field which further describes any identified hazards.                                                                                                                                                                    |               |            |               |               |
| INSPECTION COMMENT                                                                                                                                                                                                               |               | Y          | VARCHAR2      | 4000          |
| Field for comments for the inspection.                                                                                                                                                                                           |               |            |               |               |
| INSPECTION COST                                                                                                                                                                                                                  |               | Y          | NUMBER        | 6             |
| The cost to conduct the inspection.                                                                                                                                                                                              |               |            |               |               |
| INSPECTION DATE                                                                                                                                                                                                                  |               | Y          | DATE          |               |
| Date that a field inspection is completed.                                                                                                                                                                                       |               |            |               |               |
| INSPECTOR NAME                                                                                                                                                                                                                   |               | Y          | VARCHAR2      | 255           |
| The name of the person who performed the inspection on the structure.                                                                                                                                                            |               |            |               |               |
| PENG REVIEWER DATE                                                                                                                                                                                                               |               | Y          | DATE          |               |
| Date when the professional engineer (PEng) approves the inspection report.                                                                                                                                                       |               |            |               |               |
| PENG INSPECTION REQUIRED INDICATOR                                                                                                                                                                                               |               | N          | VARCHAR2      | 1             |
| Determines if the structure will require a professional engineer (PEng) review.                                                                                                                                                  |               |            |               |               |
| INSPECTOR COMPANY NAME                                                                                                                                                                                                           |               | Y          | VARCHAR2      | 255           |
| The name of the company the person who performed the inspection belongs to.                                                                                                                                                      |               |            |               |               |
| SITE AT TIME OF INSPECTION                                                                                                                                                                                                       |               | N          | VARCHAR2      | 14            |
| The crossing site at the time the inspection was conducted.                                                                                                                                                                      |               |            |               |               |
| ENTRY USERID                                                                                                                                                                                                                     |               | N          | VARCHAR2      | 30            |
| The user who initially created the data.                                                                                                                                                                                         |               |            |               |               |

|                     |                               |             |    |
|---------------------|-------------------------------|-------------|----|
| <b>Entity Name:</b> | STRUCTURE INSPECTION (cont'd) | Short Name: | SI |
|---------------------|-------------------------------|-------------|----|

|                                              |   |          |    |
|----------------------------------------------|---|----------|----|
| ENTRY TIMESTAMP                              | N | DATE     |    |
| The date/time the data was first created.    |   |          |    |
| UPDATE USERID                                | N | VARCHAR2 | 30 |
| The user who last updated the data.          |   |          |    |
| UPDATE TIMESTAMP                             | N | DATE     |    |
| The date/time the data was last updated.     |   |          |    |
| * = Attributes in primary unique identifier. |   |          |    |

Relationships:

Each Occurrence Of This Entity:

- MUST BE shows inspection for one and only one CROSSING STRUCTURE
  - MAY BE has one or more CROSSING STRUCTURE FILE DETAIL
  - MUST BE has a status audit one or more INSPECTION REPORT STATUS
  - MUST BE identifies one or more STRUCTURE INSPECTION ITEM
  - MAY BE reviewed by one and only one STRUCTURE INSPECTION REVIEWER
  - MAY BE determined by one and only one STRUCTURE LOAD RATING
  - MAY BE recommends one or more STRUCTURE MONITOR ITEMS
  - MAY BE recommends one or more STRUCTURE REPAIR
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                       |         |   |
|-----------------------|---------|---|
| INSPCTN               | Primary | Y |
| INSPECTION IDENTIFIER |         |   |

**Entity Name:** STRUCTURE INSPCTN ANSWER CODE]

Short Name:

SIAC

Plural: STRUCTURE INSPCTN ANSWER CODE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

**Description:**

Holds codes for the answers to questions asked about the quality of structure components. For example, if the major structure is a Permanent Bridge and the component of the bridge being inspected is the Deck and the question being asked is about the quality of the Road Surface the answer code could be E - Excellent or P- Poor. Not all questions have a set of valid answers that can be supplied. For example, when asking about the Posted Load Rating the value will be in tonnes.

**Attributes:**

| <u>Name</u>                                                                       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * STRUCTURE INSPCTN ANSWER CODE                                                   |               | N          | VARCHAR2      | 10            |
| Code representing a structure inspection answer.                                  |               |            |               |               |
| DESCRIPTION                                                                       |               | N          | VARCHAR2      | 120           |
| Text describing a structure inspection answer code.                               |               |            |               |               |
| EFFECTIVE DATE                                                                    |               | N          | DATE          |               |
| The date the data is effective and available as a valid inspection answer.        |               |            |               |               |
| EXPIRY DATE                                                                       |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid inspection answer. |               |            |               |               |
| UPDATE TIMESTAMP                                                                  |               | N          | DATE          |               |
| The date and time the content was last updated.                                   |               |            |               |               |
| * = Attributes in primary unique identifier.                                      |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MAY BE is ordered by one and only one STRUCTURE INSPCTN ANSWER CODE ORDER

MAY BE is part of one or more STRUCTURE INSPCTN QUESTION ANSWER XREF

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SIAC Primary Y

STRUCTURE INSPCTN ANSWER CODE

|                                               |                           |                     |                            |    |
|-----------------------------------------------|---------------------------|---------------------|----------------------------|----|
| <b>Entity Name:</b> STRUCTURE INSPECTION ITEM |                           |                     | <b>Short Name:</b>         | II |
| <b>Plural:</b>                                | STRUCTURE INSPECTION ITEM |                     |                            |    |
| <b>Init. Volume:</b>                          | <b>Avg. Volume:</b>       | <b>Max. Volume:</b> | <b>Annual Growth Rate:</b> |    |

Description:

Holds answers for questions asked on an inspection report. An item will belong to a subsection within the report and be displayed beneath that section. An item may also have a valid set of answers for the particular question asked.

Attributes:

| <u>Name</u>                                                                                                                                | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * STRUCTURE INSPECTION ITEM IDENTIFIER                                                                                                     |               | N          | NUMBER        | 10            |
| Unique identifier for inspection item records.                                                                                             |               |            |               |               |
| ANSWER VALUE                                                                                                                               |               | N          | VARCHAR2      | 255           |
| The answer to the associated question for the inspection.                                                                                  |               |            |               |               |
| STRINGER NUMBER                                                                                                                            |               | Y          | NUMBER        | 5             |
| The number of the stringer that the particular question is referring to. Not all questions relate to a stringer so this value is optional. |               |            |               |               |
| COMMENT                                                                                                                                    |               | Y          | VARCHAR2      | 2000          |
| A comment related to the question asked.                                                                                                   |               |            |               |               |
| ENTRY USERID                                                                                                                               |               | N          | VARCHAR2      | 30            |
| The user who initially created the data.                                                                                                   |               |            |               |               |
| ENTRY TIMESTAMP                                                                                                                            |               | N          | DATE          |               |
| The date/time the data was first created.                                                                                                  |               |            |               |               |
| UPDATE USERID                                                                                                                              |               | N          | VARCHAR2      | 30            |
| The user who last updated the data.                                                                                                        |               |            |               |               |
| UPDATE TIMESTAMP                                                                                                                           |               | N          | DATE          |               |
| The date/time the data was last updated.                                                                                                   |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                               |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MAY BE refers to one and only one FOREST SERVICE BRIDGE PIER
- MAY BE refers to one and only one FOREST SERVICE BRIDGE SPAN
- MUST BE answers questions for a one and only one STRUCTURE INSPECTION
- MUST BE asks one and only one STRUCTURE INSPECTION QUESTION CODE
- MUST BE is displayed within one and only one STRUCTURE INSPECTION SUBSECTION CODE

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                      |         |   |
|--------------------------------------|---------|---|
| II                                   | Primary | Y |
| STRUCTURE INSPECTION ITEM IDENTIFIER |         |   |

**Entity Name:** STRUCTURE INSPECTION QUESTION CO

Short Name:

SIQC

Plural: STRUCTURE INSPCTN QSTN CODE

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

**Description:**

Holds codes for a series of questions which may be asked in inspecting a component of a major structure. For example, if the major structure is a Permanent Bridge and the component of the bridge being inspected is the Deck, a question about the quality of the Road Surface might be asked.

**Attributes:**

| <u>Name</u>                                                                         | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * STRUCTURE INSPCTN QSTN CODE                                                       |               | N          | VARCHAR2      | 10            |
| Code representing a structure inspection question.                                  |               |            |               |               |
| DESCRIPTION                                                                         |               | N          | VARCHAR2      | 120           |
| Text describing a structure inspection question code.                               |               |            |               |               |
| EFFECTIVE DATE                                                                      |               | N          | DATE          |               |
| The date the data is effective and available as a valid inspection question.        |               |            |               |               |
| EXPIRY DATE                                                                         |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid inspection question. |               |            |               |               |
| UPDATE TIMESTAMP                                                                    |               | N          | DATE          |               |
| The date and time the content was last updated.                                     |               |            |               |               |
| * = Attributes in primary unique identifier.                                        |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MAY BE is part of one or more STRUCTURE INSPCTN QUESTION ANSWER XREF

MAY BE identifies question for one or more STRUCTURE INSPCTN QUESTION CRITERIA XREF

MAY BE is part of one or more STRUCTURE INSPCTN QUESTION SUBSCTN XREF

MAY BE is answered by one or more STRUCTURE INSPECTION ITEM

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SIQC Primary Y

STRUCTURE INSPCTN QSTN CODE

|                                                   |                               |              |                     |     |
|---------------------------------------------------|-------------------------------|--------------|---------------------|-----|
| <b>Entity Name:</b> STRUCTURE INSPECTION REVIEWER |                               |              | Short Name:         | SIR |
| Plural:                                           | STRUCTURE INSPECTION REVIEWER |              |                     |     |
| Init. Volume:                                     | Avg. Volume:                  | Max. Volume: | Annual Growth Rate: |     |

Description:

Contains information about individuals that may be reviewing an inspection. A reviewer will either be a Ministry of Forest and Range employee who is a Regional Bridge Engineer or, in the case of BCTS, a Contracted Professional Engineer.

Attributes:

| <u>Name</u>                                                                          | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * STRUCTURE INSPECTION PERSON IDENTIFIER                                             |               | N          | NUMBER        | 10            |
| A unique identifier for the inspection person.                                       |               |            |               |               |
| FIRST NAME                                                                           |               | N          | VARCHAR2      | 50            |
| The first name of the person.                                                        |               |            |               |               |
| LAST NAME                                                                            |               | N          | VARCHAR2      | 50            |
| The last name of the person.                                                         |               |            |               |               |
| USERID                                                                               |               | N          | VARCHAR2      | 30            |
| The user id of the person.                                                           |               |            |               |               |
| ACTIVE INDICATOR                                                                     |               | N          | VARCHAR2      | 1             |
| Identifies if the reviewer is still active and has permission to review inspections. |               |            |               |               |
| ENTRY USERID                                                                         |               | N          | VARCHAR2      | 30            |
| The user who initially entered the data.                                             |               |            |               |               |
| ENTRY TIMESTAMP                                                                      |               | N          | DATE          |               |
| The date/time the data was first entered.                                            |               |            |               |               |
| UPDATE USERID                                                                        |               | N          | VARCHAR2      | 30            |
| The user who last updated the data.                                                  |               |            |               |               |
| UPDATE TIMESTAMP                                                                     |               | N          | DATE          |               |
| The date/time the data was last updated.                                             |               |            |               |               |
| * = Attributes in primary unique identifier.                                         |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE review an one or more STRUCTURE INSPECTION

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                                        |         |   |
|----------------------------------------|---------|---|
| USERID                                 | Primary | N |
| USERID                                 |         |   |
| IP                                     | Primary | Y |
| STRUCTURE INSPECTION PERSON IDENTIFIER |         |   |

**Entity Name:** STRUCTURE INSPECTION STATUS CODE*Short Name:*

STISC

*Plural:* STRUCTURE INSPECTION STATUS CODE*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

Contains codes and descriptions for inspection statuses. Valid codes include INS (Inspect) or DNI (Do Not Inspect). A status of "Do Not Inspect" may mean that the structure(s) on the site are not yet ready for inspection (maybe they haven't been built yet).

**Attributes:**

| <u>Name</u>                                                                       | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|-----------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * STRUCTURE INSPECTION STATUS CODE                                                |               | N          | VARCHAR2      | 10            |
| Code representing an inspection status.                                           |               |            |               |               |
| DESCRIPTION                                                                       |               | N          | VARCHAR2      | 120           |
| Text describing a structure inspection status code.                               |               |            |               |               |
| EFFECTIVE DATE                                                                    |               | N          | DATE          |               |
| The date the data is effective and available as a valid inspection status.        |               |            |               |               |
| EXPIRY DATE                                                                       |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid inspection status. |               |            |               |               |
| UPDATE TIMESTAMP                                                                  |               | N          | DATE          |               |
| The date and time the content was last updated.                                   |               |            |               |               |
| * = Attributes in primary unique identifier.                                      |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MAY BE shows inspection status one or more CROSSING SITE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**ISC *Primary* Y

STRUCTURE INSPECTION STATUS CODE

|                                                       |                                |              |                     |
|-------------------------------------------------------|--------------------------------|--------------|---------------------|
| <b>Entity Name:</b> STRUCTURE INSPECTION SUBSECTION ( |                                | Short Name:  | SISC                |
| Plural:                                               | STRUCTURE INSPCTN SUBSCTN CODE |              |                     |
| Init. Volume:                                         | Avg. Volume:                   | Max. Volume: | Annual Growth Rate: |

Description:

Holds codes for a list of components of a major structure which may be inspected. For example, if the major structure is a Permanent Bridge than a component of the bridge being inspected might be the Deck. Valid subsections for an inspection report are Approaches, Deck, Stringers, Curbs Needle Beans(s) and Shims, Superstructure, Piers, Abutments and Culvert Element.

Attributes:

| <u>Name</u>                                                                           | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|---------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * STRUCTURE INSPCTN SUBSCTN CODE                                                      |               | N          | VARCHAR2      | 10            |
| Code representing a type of inspection subsection.                                    |               |            |               |               |
| DESCRIPTION                                                                           |               | N          | VARCHAR2      | 120           |
| Text describing a structure inspection subsection code.                               |               |            |               |               |
| EFFECTIVE DATE                                                                        |               | N          | DATE          |               |
| The date the data is effective and available as a valid inspection subsection.        |               |            |               |               |
| EXPIRY DATE                                                                           |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid inspection subsection. |               |            |               |               |
| UPDATE TIMESTAMP                                                                      |               | N          | DATE          |               |
| The date and time the content was last updated.                                       |               |            |               |               |
| * = Attributes in primary unique identifier.                                          |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

- MAY BE is part of one or more STRUCTURE INSPCTN QUESTION SUBSCTN XREF
- MAY BE contains one or more STRUCTURE INSPECTION ITEM
- MAY BE is part of one or more STRUCTURE TYPE INSPCTN SUBSECTION XREF
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                |         |   |
|--------------------------------|---------|---|
| SISC                           | Primary | Y |
| STRUCTURE INSPCTN SUBSCTN CODE |         |   |

**Entity Name:** STRUCTURE LOAD RATING**Short Name:**

SLR

**Plural:** STRUCTURE LOAD RATING**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

Contains the historic and current load rating for a referenced crossing structure. The load rating is the present capacity of the structure. Each conducted inspection has one and only one load rating generated in this table which may or may not be different from the previous load rating of the crossing structure. A load rating may also be entered for a crossing structure without being associated with an inspection.

**Attributes:**

| <u>Name</u>                                                                                                          | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * STRUCTURE LOAD RATING ID                                                                                           |               | N          | NUMBER        | 10            |
| A unique identifier for a load rating.                                                                               |               |            |               |               |
| LOAD RATING                                                                                                          |               | N          | NUMBER        | 6             |
| The present capacity of the structure (measured in tonnes).                                                          |               |            |               |               |
| SITE AT TIME OF LOAD RATING                                                                                          |               | N          | VARCHAR2      | 14            |
| The crossing site at the time the load rating was determined for the crossing structure this load rating belongs to. |               |            |               |               |
| ENTRY USERID                                                                                                         |               | N          | VARCHAR2      | 30            |
| The user who initially created the data.                                                                             |               |            |               |               |
| ENTRY TIMESTAMP                                                                                                      |               | N          | DATE          |               |
| The date/time the data was first created.                                                                            |               |            |               |               |
| UPDATE USERID                                                                                                        |               | N          | VARCHAR2      | 30            |
| The user who last updated the data.                                                                                  |               |            |               |               |
| UPDATE TIMESTAMP                                                                                                     |               | N          | DATE          |               |
| The date/time the data was last updated.                                                                             |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                         |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MUST BE rates one and only one CROSSING STRUCTURE

MAY BE determines one and only one STRUCTURE INSPECTION

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

SLR Primary Y

STRUCTURE LOAD RATING ID

|                                      |                         |              |                     |     |
|--------------------------------------|-------------------------|--------------|---------------------|-----|
| Entity Name: STRUCTURE MONITOR ITEMS |                         |              | Short Name:         | SMI |
| Plural:                              | STRUCTURE MONITOR ITEMS |              |                     |     |
| Init. Volume:                        | Avg. Volume:            | Max. Volume: | Annual Growth Rate: |     |

Description:

Contains information about an item or set of items that require monitoring. A monitor may be identified through an inspection but may not and just be directly related to the structure.

Attributes:

| Name                                                                                   | Domain | Opt | Format   | Length |
|----------------------------------------------------------------------------------------|--------|-----|----------|--------|
| * MONITOR IDENTIFIER                                                                   |        | N   | NUMBER   | 10     |
| A unique identifier for a monitor.                                                     |        |     |          |        |
| DESCRIPTION                                                                            |        | N   | VARCHAR2 | 2000   |
| Description for monitoring items identified during an inspection.                      |        |     |          |        |
| MONITOR NUMBER                                                                         |        | N   | NUMBER   | 10     |
| Sequential number starting at one for each monitoring item found during an inspection. |        |     |          |        |
| MONITOR FREQUENCY CMT                                                                  |        | Y   | VARCHAR2 | 2000   |
| Field for comments when a monitoring frequency of Other is chosen.                     |        |     |          |        |
| SUGGESTED BY USERID                                                                    |        | N   | VARCHAR2 | 30     |
| The user who last updated the data with a monitoring status of Suggested.              |        |     |          |        |
| SUGGESTED BY TIMESTAMP                                                                 |        | N   | DATE     |        |
| The date/time the data was last updated with a monitoring status of Suggested.         |        |     |          |        |
| REQUIRED BY USERID                                                                     |        | Y   | VARCHAR2 | 30     |
| The user who last updated the data with a monitoring status of Required.               |        |     |          |        |
| REQUIRED BY TIMESTAMP                                                                  |        | Y   | DATE     |        |
| The date/time the data was last updated with a monitoring status of Required.          |        |     |          |        |
| COMPLETED BY USERID                                                                    |        | Y   | VARCHAR2 | 30     |
| The user who last updated the data with a monitoring status of Completed.              |        |     |          |        |
| COMPLETED BY TIMESTAMP                                                                 |        | Y   | DATE     |        |
| The date/time the data was last updated with a monitoring status of Completed.         |        |     |          |        |
| ENTRY USERID                                                                           |        | N   | VARCHAR2 | 30     |
| The user who initially created the data.                                               |        |     |          |        |
| ENTRY TIMESTAMP                                                                        |        | N   | DATE     |        |
| The date/time the data was first created.                                              |        |     |          |        |
| UPDATE USERID                                                                          |        | N   | VARCHAR2 | 30     |
| The user who last updated the data.                                                    |        |     |          |        |
| UPDATE TIMESTAMP                                                                       |        | N   | DATE     |        |
| The date/time the data was last updated.                                               |        |     |          |        |
| * = Attributes in primary unique identifier.                                           |        |     |          |        |

Relationships:

Each Occurrence Of This Entity:

- MUST BE shows monitoring recommendations one and only one CROSSING STRUCTURE
  - MAY BE has a one and only one MONITOR FREQUENCY CODE
  - MUST BE has a one and only one MONITORING STATUS CODE
  - MAY BE shows monitoring recommendations one and only one STRUCTURE INSPECTION
- \* = Relationships in primary unique identifier.

Unique Identifiers:

|                                                                               |         |   |
|-------------------------------------------------------------------------------|---------|---|
| MONITOR_NUMBER                                                                | Primary | N |
| MONITOR NUMBER                                                                |         |   |
| MUST BE shows monitoring recommendations one and only one CROSSING STRUCTURE  |         |   |
| MAY BE shows monitoring recommendations one and only one STRUCTURE INSPECTION |         |   |

|              |                                  |             |     |
|--------------|----------------------------------|-------------|-----|
| Entity Name: | STRUCTURE MONITOR ITEMS (cont'd) | Short Name: | SMI |
|--------------|----------------------------------|-------------|-----|

|      |         |   |
|------|---------|---|
| MNTR | Primary | Y |
|------|---------|---|

MONITOR IDENTIFIER

**Entity Name:** STRUCTURE REPAIR

Short Name:

SR

Plural: STRUCTURE REPAIR

Init. Volume:

Avg. Volume:

Max. Volume:

Annual Growth Rate:

**Description:**

Contains information about a repair that has been recommended or completed for a structure.

**Attributes:**

| <u>Name</u>                                                                                | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|--------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * REPAIR IDENTIFIER                                                                        |               | N          | NUMBER        | 10            |
| A unique identifier for a repair.                                                          |               |            |               |               |
| ACTUAL COST                                                                                |               | Y          | NUMBER        | 6             |
| Total actual costs to complete the repair.                                                 |               |            |               |               |
| COMPLETED DATE                                                                             |               | Y          | DATE          |               |
| Date when the recommended repair has been completed.                                       |               |            |               |               |
| DESCRIPTION                                                                                |               | N          | VARCHAR2      | 2000          |
| Description of the repair.                                                                 |               |            |               |               |
| ESTIMATE                                                                                   |               | N          | NUMBER        | 6             |
| The inspector or RBEs estimate as to the cost to complete the repair.                      |               |            |               |               |
| REPAIR NUMBER                                                                              |               | N          | NUMBER        | 10            |
| Sequential number starting at one for each repair item identified on an inspection report. |               |            |               |               |
| SUGGESTED BY USERID                                                                        |               | N          | VARCHAR2      | 30            |
| The user who last updated the data with a repair status of Suggested.                      |               |            |               |               |
| SUGGESTED BY TIMESTAMP                                                                     |               | N          | DATE          |               |
| The date/time the data was last updated with a repair status of Suggested.                 |               |            |               |               |
| REQUIRED BY USERID                                                                         |               | Y          | VARCHAR2      | 30            |
| The user who last updated the data with a repair status of Required.                       |               |            |               |               |
| REQUIRED BY TIMESTAMP                                                                      |               | Y          | DATE          |               |
| The date/time the data was last updated with a repair status of Required.                  |               |            |               |               |
| COMPLETED BY USERID                                                                        |               | Y          | VARCHAR2      | 30            |
| The user who last updated the data with a repair status of Completed.                      |               |            |               |               |
| COMPLETED BY TIMESTAMP                                                                     |               | Y          | DATE          |               |
| The date/time the data was last updated with a repair status of Completed.                 |               |            |               |               |
| ENTRY USERID                                                                               |               | N          | VARCHAR2      | 30            |
| The user who initially created the data.                                                   |               |            |               |               |
| ENTRY TIMESTAMP                                                                            |               | N          | DATE          |               |
| The date/time the data was first entered.                                                  |               |            |               |               |
| UPDATE USERID                                                                              |               | N          | VARCHAR2      | 30            |
| The user who last updated the data.                                                        |               |            |               |               |
| UPDATE TIMESTAMP                                                                           |               | N          | DATE          |               |
| The date/time the data was last updated.                                                   |               |            |               |               |

\* = Attributes in primary unique identifier.

**Relationships:**Each Occurrence Of This Entity:

MUST BE shows completed repairs for one and only one CROSSING STRUCTURE

MUST BE has a one and only one REPAIR PRIORITY CODE

MUST BE has a one and only one REPAIR STATUS CODE

MAY BE shows recommended repairs from one and only one STRUCTURE INSPECTION

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

**Entity Name:** STRUCTURE REPAIR (cont'd)

Short Name:

SR

REPAIR\_NUMBERPrimary N

REPAIR NUMBER

MUST BE shows completed repairs for one and only one CROSSING STRUCTURE

MAY BE shows recommended repairs from one and only one STRUCTURE INSPECTION

RPRSPrimary Y

REPAIR IDENTIFIER

|                                                |                            |              |                     |
|------------------------------------------------|----------------------------|--------------|---------------------|
| <b>Entity Name:</b> STRUCTURE REPLACEMENT XREF |                            | Short Name:  | SRX                 |
| Plural:                                        | STRUCTURE REPLACEMENT XREF |              |                     |
| Init. Volume:                                  | Avg. Volume:               | Max. Volume: | Annual Growth Rate: |

**Description:**  
Identifies a crossing structure that replaces another structure and also identifies the structure that has been replaced.

**Attributes:**

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * = Attributes in primary unique identifier. |               |            |               |               |

- Relationships:**  
Each Occurrence Of This Entity:
- \* MUST BE replaced by one and only one CROSSING STRUCTURE
  - \* MUST BE replaces one and only one CROSSING STRUCTURE
- \* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                                                         |         |   |
|---------------------------------------------------------|---------|---|
| SRX                                                     | Primary | Y |
| MUST BE replaced by one and only one CROSSING STRUCTURE |         |   |
| MUST BE replaces one and only one CROSSING STRUCTURE    |         |   |

**Entity Name:** STRUCTURE SOURCE CODE*Short Name:*

STSC

*Plural:* STRUCTURE SOURCE CODE*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

Contains codes and descriptions for structure sources. A source identifies the means by which the selected structure came to be owned by the Ministry. Sources could be New, Replacement, Inherited: Reallocation, Inherited: Non-Status Road, Inherited: Transfers from other Ministries, Inherited: Found Structure or Inherited: Inherited from Oil and Gas/Other Ministry.

**Attributes:**

| <u>Name</u>                                                                      | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * STRUCTURE SOURCE CODE                                                          |               | N          | VARCHAR2      | 10            |
| Code representing a structure source.                                            |               |            |               |               |
| DESCRIPTION                                                                      |               | N          | VARCHAR2      | 120           |
| Text describing a structure source code.                                         |               |            |               |               |
| EFFECTIVE DATE                                                                   |               | N          | DATE          |               |
| The date the data is effective and available as a valid structure source.        |               |            |               |               |
| EXPIRY DATE                                                                      |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid structure source. |               |            |               |               |
| UPDATE TIMESTAMP                                                                 |               | N          | DATE          |               |
| The date and time the content was last updated.                                  |               |            |               |               |
| * = Attributes in primary unique identifier.                                     |               |            |               |               |

**Relationships:**Each Occurrence Of This Entity:

MAY BE shows source of one or more CROSSING STRUCTURE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

STSC

*Primary* Y

STRUCTURE SOURCE CODE

|                                               |                           |                     |                            |
|-----------------------------------------------|---------------------------|---------------------|----------------------------|
| <b>Entity Name:</b> STRUCTURE TYPE CLASS CODE |                           | <i>Short Name:</i>  | STCC                       |
| <i>Plural:</i>                                | STRUCTURE TYPE CLASS CODE |                     |                            |
| <i>Init. Volume:</i>                          | <i>Avg. Volume:</i>       | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |

*Description:*

List of codes defining (major) structure types such as Permanent Bridge,Temporary Bridge, Major Culvert or Woodbox/Log Culvert.

*Attributes:*

| <u>Name</u>                                                                            | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * STRUCTURE TYPE CLASS CODE                                                            |               | N          | VARCHAR2      | 10            |
| Code representing a structure type or class.                                           |               |            |               |               |
| DESCRIPTION                                                                            |               | N          | VARCHAR2      | 120           |
| Text describing a structure type class code.                                           |               |            |               |               |
| EFFECTIVE DATE                                                                         |               | N          | DATE          |               |
| The date the data is effective and available as a valid structure type or class.       |               |            |               |               |
| EXPIRY DATE                                                                            |               | N          | DATE          |               |
| The date the data expires and can no longer be used as avalid structure type or class. |               |            |               |               |
| UPDATE TIMESTAMP                                                                       |               | N          | DATE          |               |
| The date and time the content was last updated.                                        |               |            |               |               |
| * = Attributes in primary unique identifier.                                           |               |            |               |               |

*Relationships:*

Each Occurrence Of This Entity:

MAY BE shows type or class of one or more CROSSING STRUCTURE

MAY BE is part of one or more STRUCTURE TYPE INSPCTN SUBSECTION XREF

\* = Relationships in primary unique identifier.

*Unique Identifiers:*

|                           |         |   |
|---------------------------|---------|---|
| STCC                      | Primary | Y |
| STRUCTURE TYPE CLASS CODE |         |   |

|                                                         |                                        |              |                     |       |
|---------------------------------------------------------|----------------------------------------|--------------|---------------------|-------|
| <b>Entity Name:</b> STRUCTURE TYPE INSPCTN SUBSECTION I |                                        |              | Short Name:         | STISX |
| Plural:                                                 | STRUCTURE TYPE INSPCTN SUBSECTION XREF |              |                     |       |
| Init. Volume:                                           | Avg. Volume:                           | Max. Volume: | Annual Growth Rate: |       |

**Description:**  
Identifies the list of inspection questions applicable to specific structure types.

**Attributes:**

| <u>Name</u>                                  | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------|---------------|------------|---------------|---------------|
| * = Attributes in primary unique identifier. |               |            |               |               |

- Relationships:**  
Each Occurrence Of This Entity:
- \* MUST BE contains one and only one STRUCTURE INSPECTION SUBSECTION CODE
  - \* MUST BE contains one and only one STRUCTURE TYPE CLASS CODE
- \* = Relationships in primary unique identifier.

**Unique Identifiers:**

|                                                                        |         |   |
|------------------------------------------------------------------------|---------|---|
| STISX                                                                  | Primary | Y |
| MUST BE contains one and only one STRUCTURE TYPE CLASS CODE            |         |   |
| MUST BE contains one and only one STRUCTURE INSPECTION SUBSECTION CODE |         |   |

|                                              |                          |                     |                            |     |
|----------------------------------------------|--------------------------|---------------------|----------------------------|-----|
| <b>Entity Name:</b> SUPERSTRUCTURE TYPE CODE |                          |                     | <i>Short Name:</i>         | STC |
| <i>Plural:</i>                               | SUPERSTRUCTURE TYPE CODE |                     |                            |     |
| <i>Init. Volume:</i>                         | <i>Avg. Volume:</i>      | <i>Max. Volume:</i> | <i>Annual Growth Rate:</i> |     |

Description:

Contains codes and descriptions for superstructure types.

Attributes:

| <u>Name</u>                                                                                                                                                                                                                                                                                                                                                                                                          | <u>Domain</u> | <u>Opt</u> | <u>Format</u> | <u>Length</u> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|
| * SUPERSTRUCTURE TYPE CODE                                                                                                                                                                                                                                                                                                                                                                                           |               | N          | VARCHAR2      | 10            |
| Code representing a type of superstructure.                                                                                                                                                                                                                                                                                                                                                                          |               |            |               |               |
| DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                          |               | N          | VARCHAR2      | 120           |
| Text describing a type of superstructure. This describes the main load carrying members with the exception of the deck. Superstructures can be Steel I-beam, Steel Box Beam, Steel Truss/Baily/Acrow, Concrete I/T Beam, Concrete Box Beam, Concrete Slab Girders, Glulam Girder, Timber (Untreated Stringers), Timber (Treated Stringers), Log Stringers, rail Car, Compo Girders, Cast in Place Concrete or Other. |               |            |               |               |
| EFFECTIVE DATE                                                                                                                                                                                                                                                                                                                                                                                                       |               | N          | DATE          |               |
| The date the data is effective and available as a valid superstructure type.                                                                                                                                                                                                                                                                                                                                         |               |            |               |               |
| EXPIRY DATE                                                                                                                                                                                                                                                                                                                                                                                                          |               | N          | DATE          |               |
| The date the data expires and can no longer be used as a valid superstructure type.                                                                                                                                                                                                                                                                                                                                  |               |            |               |               |
| UPDATE TIMESTAMP                                                                                                                                                                                                                                                                                                                                                                                                     |               | N          | DATE          |               |
| The date and time the content was last updated.                                                                                                                                                                                                                                                                                                                                                                      |               |            |               |               |
| * = Attributes in primary unique identifier.                                                                                                                                                                                                                                                                                                                                                                         |               |            |               |               |

Relationships:

Each Occurrence Of This Entity:

MAY BE shows type of superstructure of one or more FOREST SERVICE BRIDGE

MAY BE is part of one or more STRUCTURE INSPCTN QUESTION CRITERIA XREF

\* = Relationships in primary unique identifier.

Unique Identifiers:

|                          |         |   |
|--------------------------|---------|---|
| STC                      | Primary | Y |
| SUPERSTRUCTURE TYPE CODE |         |   |

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