

# Entity and Attribute Definitions Report

Run by: PNORONHA  
Run on: April 3, 2008 12:56 PM  
Total Pages: 46  
Total Entities: 44

## **Parameters**

<i>Application:</i>	ABR
<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:** BRIDGE**Short Name:** BRI**Plural:** BRIDGE**Init. Volume:** 0      **Avg. Volume:** 25000      **Max. Volume:** 25000      **Annual Growth Rate:** 20%**Subtype of:** LINEAR EVENT LOCATION**Description:**

Structures on a road which pass over water bodies or other obstacles.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
SUPERSTRUCTURE ID Unique Bridge Number. For permanent structures, may be the same as the SITE ID		N VARCHAR2	8
SITE ID Unique ID for Crossing Location.		N VARCHAR2	8
DESIGN LOAD RATING Design load rating (tonnes)		N NUMBER	10
FISH PRESENT IND Indicates whether the associated stream has fish values. Y or N. <i>Allowable Values of Attribute</i> N Y		Y VARCHAR2	1
FIELD KM MARKER Field Marker indicating the location along the route.		Y VARCHAR2	15
STREAM NAME Name of the body of water the bridge crosses		Y VARCHAR2	30
CURRENT LOAD RATING Current load rating (tonnes)		Y NUMBER	10
NEXT INSPECTION DATE Date of the next scheduled inspection		Y DATE	
BRIDGE DECK WIDTH Deck width (0.01 m)		Y NUMBER	7,2
CHRONIC MAINTENANCE IND Is there a chronic maintenance problem? Y or N. <i>Allowable Values of Attribute</i> N Y		Y VARCHAR2	1
UPSTREAM RISK IND Is there risk to the structure from upstream? Y or N. <i>Allowable Values of Attribute</i> N Y		Y VARCHAR2	1
INLET RISK IND Is there risk to the inlet area of the structure? Y or N. <i>Allowable Values of Attribute</i> N Y		Y VARCHAR2	1
ADEQUATE SIZE IND Is the structure of adequate size? Y or N. <i>Allowable Values of Attribute</i> N Y		Y VARCHAR2	1

**Entity Name:** BRIDGE (cont'd)

Short Name:

BRI

HISTORIC WASHOUT IND

Y VARCHAR2

1

Indicates whether the structure has been washed out in the past. Y or N.

*Allowable Values of Attribute*

N

Y

\* = Attributes in primary unique identifier.

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

MUST BE having deck made of one and only one BRIDGE DECK CODE

MUST BE having substructure made of one and only one BRIDGE SUBSTRUCTURE CODE

MUST BE having superstructure made of one and only one BRIDGE SUPERSTRUCTURE CODE

MAY BE load-rated for one and only one ROAD DESIGN VEHICLE CODE

MAY BE classified by one and only one ROAD RIPARIAN CLASS CODE

\* = Relationships in primary unique identifier.

**Entity Name:** BRIDGE DECK CODE**Short Name:** BDC**Plural:** BRIDGE DECK CODE**Init. Volume:** 6**Avg. Volume:** 6**Max. Volume:** 6**Annual Growth Rate:** 0%**Description:**

The material of which the deck is made. See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* BRIDGE DECK CODE		N VARCHAR2	20
Code describing the material from which the deck is made.			
DESCRIPTION		N VARCHAR2	120
The long description of the code suitable for display			
EFFECTIVE DATE		N DATE	
The date the code becomes effective			
EXPIRY DATE		N DATE	
The date the code is not longer valid to be used but retained for referential integrity			
UPDATE TIMESTAMP		N DATE	
The date and time the record was last changed			

\* = Attributes in primary unique identifier.

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

MAY BE constituting deck one or more BRIDGE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_BDC\_PK Primary Y

BRIDGE DECK CODE

**Entity Name:** BRIDGE SUBSTRUCTURE CODE **Short Name:** BSC

**Plural:** BRIDGE SUBSTRUCTURE CODE

**Init. Volume:** 11      **Avg. Volume:** 11      **Max. Volume:** 11      **Annual Growth Rate:** 0%

**Description:**

The type of bridge substructure. See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BRIDGE SUBSTRUCTURE CODE		N	VARCHAR2	10
The type of bridge substructure.				
DESCRIPTION		N	VARCHAR2	120
The long description of the code suitable for display				
EFFECTIVE DATE		N	DATE	
The date the code becomes effective				
EXPIRY DATE		N	DATE	
The date the code is not longer valid to be used but retained for referential integrity				
UPDATE TIMESTAMP		N	DATE	
The date and time the record was last changed				

\* = Attributes in primary unique identifier.

**Relationships:**

Each Occurrence Of This Entity:

MAY BE constituting substructure one or more BRIDGE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_BSC\_PK Primary Y

BRIDGE SUBSTRUCTURE CODE

**Entity Name:** BRIDGE SUPERSTRUCTURE CODE**Short Name:** BSC1**Plural:** BRIDGE SUPERSTRUCTR CODE**Init. Volume:** 6**Avg. Volume:** 6**Max. Volume:** 6**Annual Growth Rate:** 0%**Description:**

The primary type of bridge superstructure. See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* BRIDGE SUPERSTRUCTURE CODE The primary type of bridge superstructure.		N VARCHAR2	10
DESCRIPTION The long description of the code suitable for display		N VARCHAR2	120
EFFECTIVE DATE The date the code becomes effective		N DATE	
EXPIRY DATE The date the code is not longer valid to be used but retained for referential integrity		N DATE	
UPDATE TIMESTAMP The date and time the record was last changed		N DATE	

\* = Attributes in primary unique identifier.

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

MAY BE constituting superstructure one or more BRIDGE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_BSC1\_PK Primary Y

BRIDGE SUPERSTRUCTURE CODE

**Entity Name:** CORP CAPTURE METHOD**Short Name:** CMC**Plural:** TRIM CAPTURE METHOD**Init. Volume:** 12**Avg. Volume:** 12**Max. Volume:** 12**Annual Growth Rate:** 0%**Description:**

The method used to capture the spatial data, e.g. Differential GPS, Tablet Digitizing, etc.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* CAPTURE METHOD CODE		N VARCHAR2	30
The method used to capture the spatial data, e.g. Differential GPS, Tablet Digitizing, etc.			
DESCRIPTION		N VARCHAR2	120
The long description of the code suitable for display			
EFFECTIVE DATE		N DATE	
The date the code becomes effective			
EXPIRY DATE		N DATE	
The date the code is not longer valid to be used but retained for referential integrity			
UPDATE TIMESTAMP		N DATE	
The date and time the record was last changed			

\* = Attributes in primary unique identifier.

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

MAY BE used to capture one or more DATA QUALITY

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

CORP\_CMCD\_PK Primary Y

CAPTURE METHOD CODE

**Entity Name:** CORP COORDINATE SYSTEM CODE **Short Name:** CSC

**Plural:** CORP COORDINATE SYSTEM CODE

**Init. Volume:** 6 **Avg. Volume:** 6 **Max. Volume:** 6 **Annual Growth Rate:** 0%

### Description:

The description of the reference frame for, and the means to encode, coordinates in the data set. Example: "EPSG:42102" for NAD83 BC Albers. This already exists in MASCOT.

### Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* COORDINATE SYSTEM CODE The description of the reference frame for, and the means to encode, coordinates in the data set. Example: "EPSG:42102" for NAD83 BC Albers.		N VARCHAR2	12
DESCRIPTION The long description of the code suitable for display		N VARCHAR2	120
EFFECTIVE DATE The date the code becomes effective		N DATE	
EXPIRY DATE The date the code is not longer valid to be used but retained for referential integrity		N DATE	
UPDATE TIMESTAMP The date and time the record was last changed		N DATE	

\* = Attributes in primary unique identifier.

### Relationships:

#### Each Occurrence Of This Entity:

MAY BE describing reference frame for one or more DATA QUALITY

\* = Relationships in primary unique identifier.

### Unique Identifiers:

CORP\_CSC\_PK Primary Y

COORDINATE SYSTEM CODE

**Entity Name:** CULVERT**Short Name:** CUL**Plural:** CULVERT**Init. Volume:** 0      **Avg. Volume:** 25000      **Max. Volume:** 25000      **Annual Growth Rate:** 20%**Subtype of:** POINT EVENT LOCATION**Description:**

Pipe, arch or box, or log structure, not greater than 6 m in span, that is located below the road surface of a road and is designed to carry water from one side of the road to the other.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
SITE STRUCTURE ID Unique Culvert Structure Number.		N VARCHAR2	10
DIAMETER OR SPAN Diameter for round, width for others. Millimeters.		N NUMBER	9,3
ENGINEERED STRUCTURE IND Is this an Engineered Structure (Major culvert or designed by a P. eng)? Y or N. <i>Allowable Values of Attribute</i> N Y		N VARCHAR2	1
DESIGN LOAD RATING Design load rating (tonnes)		N NUMBER	10
FISH PRESENT IND Indicates whether the associated stream has fish values. Y or N. <i>Allowable Values of Attribute</i> N Y		Y VARCHAR2	1
HEIGHT Opening height. Mandatory if the culvert is not round. Millimeters.		Y NUMBER	7,2
STREAM NAME Name of the stream		Y VARCHAR2	30
CURRENT LOAD RATING Current load rating (tonnes)		Y NUMBER	10
LENGTH Length (mm along the stream)		Y NUMBER	7,2
DESCRIPTION Information regarding the appearance, construction, or location of the culvert.		Y VARCHAR2	80
ADEQUATE SIZE IND Is the structure of adequate size? Y or N. <i>Allowable Values of Attribute</i> N Y		Y VARCHAR2	1
INLET RISK IND Is there risk to the inlet area of the structure? Y or N. <i>Allowable Values of Attribute</i> N Y		Y VARCHAR2	1
CHRONIC MAINTENANCE IND Is there a chronic maintenance problem? Y or N. <i>Allowable Values of Attribute</i> N		Y VARCHAR2	1

**Entity Name:** CULVERT (cont'd)*Short Name:*

CUL

Y		
COMMENTS	Y VARCHAR2	4000
Additional information regarding the culvert.		
SITE ID	Y VARCHAR2	10
ID for the crossing location		
HISTORIC WASHOUT IND	Y VARCHAR2	1
Indicates whether the structure has been washed out in the past. Y or N.		
<i>Allowable Values of Attribute</i>		
N		
Y		

\* = Attributes in primary unique identifier.

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

MUST BE made of one and only one ROAD CULVERT MATERIAL CODE

MAY BE load-rated for one and only one ROAD DESIGN VEHICLE CODE

MAY BE classified by one and only one ROAD RIPARIAN CLASS CODE

\* = Relationships in primary unique identifier.

**Entity Name:** CUT BLOCK**Short Name:** CB**Plural:** CUT BLOCK**Init. Volume:**                      **Avg. Volume:**                      **Max. Volume:**                      **Annual Growth Rate:****Description:**

Information about harvesting that takes place on a cut block within a cutting permit, for a file on a harvesting tenure. This entity is a stub and is here to show a relationship. It will not be generated.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* FOREST FILE ID File identification assigned to provincial forest use files. Assigned file number.		N VARCHAR2	10
* TIMBER MARK Identifier for a cutting permit associated with a quota type tenure.		N VARCHAR2	6
* CUT BLOCK ID Identifier for a cut block of a harvesting tenure (within a cutting permit for tenures with cp's).		N VARCHAR2	10

\* = Attributes in primary unique identifier.

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

MUST BE identified by one and only one PROV FOREST USE

MAY BE identifies one or more ROAD TENURE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

CB                                      Primary    Y

FOREST FILE ID

TIMBER MARK

CUT BLOCK ID

**Entity Name:** DATA QUALITY**Short Name:** DQ**Plural:** DATA QUALITY**Init. Volume:** 0**Avg. Volume:** 35000**Max. Volume:** 35000**Annual Growth Rate:** 20%**Subtype of:** LINEAR EVENT LOCATION**Description:**

An event describing how the spatial information was collected for a road section, or a portion thereof. If there is one event then it must cover the whole road section. If there is more than one, then they must be overlapping and must cover the whole road section.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
MOST RECENT SOURCE DATE		N DATE	
Most recent collection date of the source data			
OBSERVATION DATE		N DATE	
The date the observation was made.			
DESCRIPTION		N VARCHAR2	2000
A description that can be used to clarify any of the values in the spatial metadata.			
DATA_ACCURACY		N NUMBER	2
The data accuracy percentile. Quantifies the percentage of features which are statistically expected to fall within the horizontal and vertical accuracy bounds. Ex: 95			
HORIZONTAL ACCURACY		N NUMBER	3
The horizontal accuracy bound.			
VERTICAL ACCURACY		N NUMBER	3
The vertical accuracy bound.			
FEATURE_CODE		N VARCHAR2	10
The TRIM CCSM code which best describes the feature e.g. GA9100032			

\* = Attributes in primary unique identifier.

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

MUST BE captured using one and only one CORP CAPTURE METHOD

MUST BE having encoding given by one and only one CORP COORDINATE SYSTEM CODE

MUST BE originating from one and only one DATA SOURCE CODE

MUST BE horizontally located wrt one and only one HORIZONTAL DATUM CODE

MUST BE vertically located wrt one and only one VERTICAL DATUM CODE

\* = Relationships in primary unique identifier.

<b>Entity Name:</b> DATA SOURCE CODE	<b>Short Name:</b> DSC
<b>Plural:</b> DATA SOURCE CODE	
<b>Init. Volume:</b> 7	<b>Avg. Volume:</b> 7
<b>Max. Volume:</b> 7	<b>Annual Growth Rate:</b> 0%

**Description:**

The source of the spatial data, e.g. Field Survey, Air Photos, etc.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* DATA SOURCE CODE The source of the spatial data, e.g. Field Survey, Air Photos, etc.		N VARCHAR2	10
DESCRIPTION The long description of the code suitable for display		N VARCHAR2	120
EFFECTIVE DATE The date the code becomes effective		N DATE	
EXPIRY DATE The date the code is not longer valid to be used but retained for referential integrity		N DATE	
UPDATE TIMESTAMP The date and time the record was last changed		N DATE	

\* = Attributes in primary unique identifier.

**Relationships:**

Each Occurrence Of This Entity:

MAY BE the source of one or more DATA QUALITY

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

CORP_DSCD_PK	Primary	Y
DATA SOURCE CODE		

**Entity Name:** ELECTRONIC SUBMISSION*Short Name:* ES*Plural:* ELECTRONIC SUBMISSION*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

A submission is an XML document that conforms to a schema defined in the XML Schema Repository. Each instance of a submission will be tracked by this entity. This entity is a stub and is here to show a relationship. It will not be generated.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* SUBMISSION ID		N NUMBER	10

A unique identifier to track a submission.

\* = Attributes in primary unique identifier.

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

MAY BE contains one and only one SUBMISSION METADATA

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ES *Primary* *Y*

*SUBMISSION ID*

**Entity Name:** FOR CLIENT LINK

*Short Name:* FCL

*Plural:* FOR CLIENT LINK

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

**Description:**

The link from a file, cutting permit or cut block to a client and his location. This entity is a stub and is here to show a relationship. It will not be generated.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* FOR CLIENT LINK SKEY		Y NUMBER	10

Sequentially generated primary key.

\* = Attributes in primary unique identifier.

**Relationships:**

Each Occurrence Of This Entity:

MUST BE specifies client location for one and only one FOREST CLIENT

MUST BE identifying client info for one and only one PROV FOREST USE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

FCL    Primary    Y

FOR CLIENT LINK SKEY

**Entity Name:** FOREST CLIENT**Short Name:** FC**Plural:** FOREST CLIENT**Init. Volume:**                      **Avg. Volume:**                      **Max. Volume:**                      **Annual Growth Rate:****Description:**

Any company or individual who is dealing, has dealt or plans to deal with the Ministry. This is effectively the name and address list for the Ministry. This entity is a stub and is here to show a relationship. It will not be generated.

**Attributes:**

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

Sequentially assigned number to identify a client to the Ministry of Forests for a given Forest File, Cutting Permit, and sometimes Cut Block.

\* = Attributes in primary unique identifier.

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

MAY BE located in one or more FOR CLIENT LINK

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

FC PK                                      Primary Y

CLIENT NUMBER

**Entity Name:** HORIZONTAL DATUM CODE**Short Name:** HDC**Plural:** HORIZONTAL DATUM CODE**Init. Volume:** 2**Avg. Volume:** 2**Max. Volume:** 2**Annual Growth Rate:** 0%**Description:**

A mathematical approximation of the earth's shape. One of: NAD83, NAD27.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* HORIZONTAL DATUM CODE		N VARCHAR2	10
A mathematical approximation of the earth's shape. One of: NAD83, NAD27.			
DESCRIPTION		N VARCHAR2	120
The long description of the code suitable for display			
EFFECTIVE DATE		N DATE	
The date the code becomes effective			
EXPIRY DATE		N DATE	
The date the code is not longer valid to be used but retained for referential integrity			
UPDATE TIMESTAMP		N DATE	
The date and time the record was last changed			

\* = Attributes in primary unique identifier.

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

MAY BE used in horizontally locating one or more DATA QUALITY

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

CORP\_HDC\_PK Primary Y

HORIZONTAL DATUM CODE

**Entity Name:** LINEAR EVENT LOCATION**Short Name:** LEL**Plural:** LINEAR EVENT LOCATION**Init. Volume:** 0**Avg. Volume:** 100000**Max. Volume:** 100000**Annual Growth Rate:** 20%**Description:**

Location and descriptors that occur for a given length of road.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EVENT ID		N	NUMBER	10
A unique identifier to track a linear event.				
START METRES FROM POC		N	NUMBER	8,2
Distance from the start of the event to the road section's Point of Commencement.				
END METRES FROM POC		N	NUMBER	8,2
Distance from the end of the event to the road section's Point of Commencement.				
ENTRY_TIMESTAMP		N	DATE	
Date				
ENTRY_USERID		N	VARCHAR2	30
User name				
UPDATE_TIMESTAMP		N	DATE	
The date and time of the last update.				
UPDATE_USERID		N	VARCHAR2	30
Process name e.g. ESF, but also possibly a data-fix processes				
* = Attributes in primary unique identifier.				

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

MUST BE is of type one and only one LINEAR EVENT TYPE CODE

MUST BE occurring along one and only one ROAD SECTION GEOMETRY

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_LINEAR\_EVENT\_LOCATION\_I Primary Y

EVENT ID

**Subtypes:**

BRIDGE

DATA QUALITY

ROAD BED ORGANIC MATERIAL

ROAD CONSTRUCTION DATE

ROAD DEACTIVATION

ROAD LINEAR STRUCTURE

**Entity Name:** LINEAR EVENT PROCESSED**Short Name:** LEP**Plural:** LINEAR EVENT PROCESSED**Init. Volume:**                      **Avg. Volume:**                      **Max. Volume:**                      **Annual Growth Rate:****Description:**

Indicates if a particular Linear Event has been processed or not. To be used by FRMA when updating ABR information into FRMA.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* EVENT ID		N NUMBER	10
A unique identifier to track the processing of a linear event.			
PROCESSED_IND		N VARCHAR2	1
Indicates whether the Linear Event has been processed yet or not.			
EVENT_UPDATE_TIMESTAMP		N DATE	
The Update Timestamp from the Linear Event. This timestamp can be compared to the Update Timestamp of the actual Linear Event to determine if any changes have occurred.			
ENTRY_TIMESTAMP		N DATE	
The date and time the information was entered.			
ENTRY_USERID		N VARCHAR2	30
The USERID of the individual who entered the information.			
UPDATE_TIMESTAMP		N DATE	
The date and time of the last update.			
UPDATE_USERID		N VARCHAR2	30
The USERID of the individual who last updated the information.			

\* = Attributes in primary unique identifier.

**Unique Identifiers:**

LEP_PK	Primary	Y
EVENT ID		

**Entity Name:** LINEAR EVENT TYPE CODE**Short Name:** LETC**Plural:** LINEAR EVENT TYPE CODE**Init. Volume:** 6**Avg. Volume:** 6**Max. Volume:** 6**Annual Growth Rate:** 0%**Description:**

Indicates the type of linear event. May be either Bridge, Road Linear Structure, Road Bed Organic Material, Road Construction Date, Road Deactivation, or Data Quality. See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* LINEAR EVENT TYPE CODE		N VARCHAR2	10
Indicates the type of linear event. May be either Bridge, Road Linear Structure, Road Bed Organic Material, Road Construction Date, Road Deactivation, or Data Quality.			
DESCRIPTION		N VARCHAR2	120
The long description of the code suitable for display			
EFFECTIVE DATE		N DATE	
The date the code becomes effective			
EXPIRY DATE		N DATE	
The date the code is not longer valid to be used but retained for referential integrity			
UPDATE TIMESTAMP		N DATE	
The date and time the record was last changed			

\* = Attributes in primary unique identifier.

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

MAY BE type for one or more LINEAR EVENT LOCATION

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

LETC Primary Y

LINEAR EVENT TYPE CODE

**Entity Name:** LINEAR FEATURE TYPE CODE**Short Name:** ELSS**Plural:** LINEAR FEATURE TYPE CODE**Init. Volume:** 9**Avg. Volume:** 9**Max. Volume:** 9**Annual Growth Rate:** 0%**Description:**

Indicates the composition of a linear engineered structure. Restricted by class. See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* LINEAR FEATURE TYPE CODE		N VARCHAR2	10
Indicates the composition of a linear engineered structure. Restricted by class.			
DESCRIPTION		N VARCHAR2	120
The long description of the code suitable for display			
EFFECTIVE DATE		N DATE	
The date the code becomes effective			
EXPIRY DATE		N DATE	
The date the code is not longer valid to be used but retained for referential integrity			
UPDATE TIMESTAMP		N DATE	
The date and time the record was last changed			

\* = Attributes in primary unique identifier.

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

MAY BE constituting one or more ROAD LINEAR STRUCTURE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_ELSS\_PK Primary Y

LINEAR FEATURE TYPE CODE

**Entity Name:** LINEAR STRUC CLASS CODE

*Short Name:* LSCC

*Plural:* LINEAR STRUC CLASS CODE

*Init. Volume:* 2

*Avg. Volume:* 2

*Max. Volume:* 2

*Annual Growth Rate:* 0%

**Description:**

Indicates the kind of structure. For the purposes of ABR, this is either a (retaining) wall or a French Drain.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* LINEAR STRUC CLASS CODE		N VARCHAR2	10
Indicates the kind of structure. For the purposes of ABR, this is either a (retaining) wall or a French Drain.			
DESCRIPTION		N VARCHAR2	120
The long description of the code suitable for display			
EFFECTIVE DATE		N DATE	
The date the code becomes effective			
EXPIRY DATE		N DATE	
The date the code is not longer valid to be used but retained for referential integrity			
UPDATE TIMESTAMP		N DATE	
The date and time the record was last changed			

\* = Attributes in primary unique identifier.

**Relationships:**

Each Occurrence Of This Entity:

MAY BE classifying one or more ROAD LINEAR STRUCTURE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_LSCC\_PK *Primary Y*

LINEAR STRUC CLASS CODE

**Entity Name:** POINT EVENT LOCATION*Short Name:*

PEL

*Plural:* POINT EVENT LOCATION*Init. Volume:* 0*Avg. Volume:* 50000*Max. Volume:* 50000*Annual Growth Rate:* 20%**Description:**

Location and descriptors of an event that occurs at a specific point on the road.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EVENT ID		N	NUMBER	10
A unique identifier to track a point event.				
METRES FROM POC		N	NUMBER	8,2
Distance from the event to the road section's Point of Commencement.				
ENTRY_TIMESTAMP		N	DATE	
The date and time the information was entered.				
ENTRY_USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
UPDATE_TIMESTAMP		N	DATE	
The date and time of the last update.				
UPDATE_USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				

\* = Attributes in primary unique identifier.

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

MUST BE is of type one and only one POINT EVENT TYPE CODE

MUST BE occurring along one and only one ROAD SECTION GEOMETRY

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_POINT\_EVENT\_LOCATION\_PK Primary Y

EVENT ID

**Subtypes:**

CULVERT

ROAD ACCESS CONTROL

**Entity Name:** POINT EVENT PROCESSED*Short Name:*

PEP

*Plural:* POINT EVENT PROCESSED*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

Indicates if a particular Point Event has been processed or not. To be used by FRMA when updating ABR information into FRMA.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* EVENT ID		N NUMBER	10
A unique identifier to track the processing of a point event.			
PROCESSED_IND		N VARCHAR2	1
Indicates whether the Point Event has been processed yet or not.			
EVENT UPDATE TIMESTAMP		N DATE	
The Update Timestamp from the Point Event. This timestamp can be compared to the Update Timestamp of the actual Point Event to determine if any changes have occurred.			
ENTRY_TIMESTAMP		N DATE	
The date and time the information was entered.			
ENTRY_USERID		N VARCHAR2	30
The USERID of the individual who entered the information.			
UPDATE_TIMESTAMP		N DATE	
The date and time of the last update.			
UPDATE_USERID		N VARCHAR2	30
The USERID of the individual who last updated the information.			

\* = Attributes in primary unique identifier.

**Unique Identifiers:**

PEP_PK	<i>Primary</i> Y
EVENT ID	

<b>Entity Name:</b> POINT EVENT TYPE CODE	<b>Short Name:</b> PETC
<b>Plural:</b> POINT EVENT TYPE CODE	
<b>Init. Volume:</b> 2	<b>Avg. Volume:</b> 2
<b>Max. Volume:</b> 2	<b>Annual Growth Rate:</b> 0%

**Description:**

Indicates the type of point event. May be either Road Access Control or Culvert. See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* POINT EVENT TYPE CODE		N VARCHAR2	10
Indicates the composition of a linear engineered structure. Restricted by class.			
DESCRIPTION		N VARCHAR2	120
The long description of the code suitable for display			
EFFECTIVE DATE		N DATE	
The date the code becomes effective			
EXPIRY DATE		N DATE	
The date the code is not longer valid to be used but retained for referential integrity			
UPDATE TIMESTAMP		N DATE	
The date and time the record was last changed			

\* = Attributes in primary unique identifier.

**Relationships:**

Each Occurrence Of This Entity:

MAY BE type for one or more POINT EVENT LOCATION

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

PETC	Primary	Y
POINT EVENT TYPE CODE		

**Entity Name:** PROV FOREST USE**Short Name:** PFU**Plural:** PROV FOREST USE**Init. Volume:**                      **Avg. Volume:**                      **Max. Volume:**                      **Annual Growth Rate:****Description:**

General header information to identify the type of forest land use managed by the Ministry of Forests (eg., timber tenures, grazing tenures, recreation files, forest service roads, etc.). This is the main access point for examining land use information. This entity is a stub and is here to show a relationship. It will not be generated.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* FOREST FILE ID		N VARCHAR2	10

File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.

\* = Attributes in primary unique identifier.

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

MAY BE identifies one or more CUT BLOCK

MAY BE owned by one or more FOR CLIENT LINK

MAY BE identifies one or more ROAD SECTION

MAY BE identifies one or more ROAD TENURE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

PFU	Primary	Y
-----	---------	---

FOREST FILE ID

**Entity Name:** ROAD ACCESS CONTROL**Short Name:** RAC**Plural:** ROAD ACCESS CONTROL**Init. Volume:** 0**Avg. Volume:** 25000**Max. Volume:** 25000**Annual Growth Rate:** 20%**Subtype of:** POINT EVENT LOCATION**Description:**

Feature located on the road to prevent or restrict access such as gates and berms.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
CLOSURE ID		Y	VARCHAR2	20
An assigned structure ID code				
INSTALL DATE		Y	DATE	
The date the access control feature was installed				

\* = Attributes in primary unique identifier.

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

MUST BE enforced using one and only one ROAD ACCESS CONTROL CODE

MAY BE permitting one and only one ROAD ACCESS METHOD CODE

MAY BE justified by one and only one ROAD ACCESS RATIONL CODE

\* = Relationships in primary unique identifier.

**Entity Name:** ROAD ACCESS CONTROL CODE**Short Name:** RACC**Plural:** ROAD ACCESS CONTROL CODE**Init. Volume:** 9**Avg. Volume:** 9**Max. Volume:** 9**Annual Growth Rate:** 0%**Description:**

Type of road access control Feature (e.g. gate, berm). See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* ROAD ACCESS CONTROL CODE The Road Access Control (e.g. gate, berm)		N VARCHAR2	10
DESCRIPTION The long description of the code suitable for display		N VARCHAR2	120
EFFECTIVE DATE The date the code becomes effective		N DATE	
EXPIRY DATE The date the code is not longer valid to be used but retained for referential integrity		N DATE	
UPDATE TIMESTAMP The date and time the record was last changed		N DATE	

\* = Attributes in primary unique identifier.

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

MAY BE enforcing one or more ROAD ACCESS CONTROL

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_RACC\_PK Primary Y

ROAD ACCESS CONTROL CODE

**Entity Name:** ROAD ACCESS METHOD CODE**Short Name:** RAMC**Plural:** ROAD ACCESS METHOD CODE**Init. Volume:** 5**Avg. Volume:** 5**Max. Volume:** 5**Annual Growth Rate:** 0%**Description:**

Intended vehicle usage. See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROAD ACCESS METHOD CODE Intended vehicle usage.		N	VARCHAR2	10
DESCRIPTION The long description of the code suitable for display		N	VARCHAR2	120
EFFECTIVE DATE The date the code becomes effective		N	DATE	
EXPIRY DATE The date the code is not longer valid to be used but retained for referential integrity		N	DATE	
UPDATE TIMESTAMP The date and time the record was last changed		N	DATE	

\* = Attributes in primary unique identifier.

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

MAY BE permitted by one or more ROAD ACCESS CONTROL

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_RAMC\_PK Primary Y

ROAD ACCESS METHOD CODE

<b>Entity Name:</b> ROAD ACCESS RATIONL CODE		<b>Short Name:</b>	RARC
<b>Plural:</b>	ROAD ACCESS RATIONL CODE		
<b>Init. Volume:</b> 6	<b>Avg. Volume:</b> 6	<b>Max. Volume:</b> 6	<b>Annual Growth Rate:</b> 0%

**Description:**

The rationale for the road access control feature. See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* ROAD ACCESS RATIONL CODE The rationale for the road access control feature.		N VARCHAR2	10
DESCRIPTION The long description of the code suitable for display		N VARCHAR2	120
EFFECTIVE DATE The date the code becomes effective		N DATE	
EXPIRY DATE The date the code is not longer valid to be used but retained for referential integrity		N DATE	
UPDATE TIMESTAMP The date and time the record was last changed		N DATE	

\* = Attributes in primary unique identifier.

**Relationships:**

Each Occurrence Of This Entity:

MAY BE justifying one or more ROAD ACCESS CONTROL

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR_RARC_PK	Primary	Y
ROAD ACCESS RATIONL CODE		

**Entity Name:** ROAD BED ORGANIC MATERIAL**Short Name:** RBOM**Plural:** ROAD BED ORGANIC MATERIAL**Init. Volume:** 0**Avg. Volume:** 25000**Max. Volume:** 25000**Annual Growth Rate:** 20%**Subtype of:** LINEAR EVENT LOCATION**Description:**

Portion of a road containing stumps, roots, and embedded logs left or placed (i) under the road fill within the road prism width, if the road is located on landslide-prone terrain, or  
(ii) under the travelled portion of the road fill for other road locations.

**Attributes:**NameDomainOpt FormatLength

\* = Attributes in primary unique identifier.

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

MUST BE having placement indicated by one and only one ROAD FEATURE CODE

\* = Relationships in primary unique identifier.

**Entity Name:** ROAD CONSTRCTN TYPE CODE**Short Name:** RCTC**Plural:** ROAD CONSTRCTN TYPE CODE**Init. Volume:** 5**Avg. Volume:** 5**Max. Volume:** 5**Annual Growth Rate:** 0%**Description:**

Type of construction activity (e.g. NEW ROAD, WIDEN, etc.). See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROAD CONSTRCTN TYPE CODE		N	VARCHAR2	10
The main activity for this construction.				
DESCRIPTION		N	VARCHAR2	120
The long description of the code suitable for display				
EFFECTIVE DATE		N	DATE	
The date the code becomes effective				
EXPIRY DATE		N	DATE	
The date the code is not longer valid to be used but retained for referential integrity				
UPDATE TIMESTAMP		N	DATE	
The date and time the record was last changed				

\* = Attributes in primary unique identifier.

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

MAY BE describing one or more ROAD CONSTRUCTION DATE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_RCTC\_PK Primary Y

ROAD CONSTRCTN TYPE CODE

<b>Entity Name:</b>	ROAD CONSTRUCTION DATE	<b>Short Name:</b>	RCD
<b>Plural:</b>	ROAD CONSTRUCTION DATE		
<b>Init. Volume:</b>	0	<b>Avg. Volume:</b>	25000
		<b>Max. Volume:</b>	25000
		<b>Annual Growth Rate:</b>	20%
<b>Subtype of:</b>	LINEAR EVENT LOCATION		

**Description:**

Descriptors and date when construction was completed.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
ACTUAL COMPLETION DATE		N	DATE	
Date on which construction was complete.				
PLANNED ACTIVITY IND		Y	VARCHAR2	1
Is this a planned activity? Y or N. Default to 'N'				
<i>Allowable Values of Attribute</i>				
N				
Y				
OUTSTANDING OBLIGATION IND		Y	VARCHAR2	1
Are there any outstanding obligations? Y or N.				
<i>Allowable Values of Attribute</i>				
N				
Y				
INSPECTION PLANNED IND		Y	VARCHAR2	1
Has an inspection been planned? Y or N.				
<i>Allowable Values of Attribute</i>				
N				
Y				
COMMENTS		Y	VARCHAR2	4000
Additional information regarding the road construction.				
* = Attributes in primary unique identifier.				

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

MUST BE described by one and only one ROAD CONSTRCTN TYPE CODE

MAY BE having season indicated by one and only one ROAD SEASON CODE

\* = Relationships in primary unique identifier.

<b>Entity Name:</b> ROAD CULVERT MATERIAL CODE	<b>Short Name:</b> RCMC
<b>Plural:</b> ROAD CULVERT MATERIAL CODE	
<b>Init. Volume:</b> 5	<b>Avg. Volume:</b> 5
<b>Max. Volume:</b> 5	<b>Annual Growth Rate:</b> 0%

**Description:**

The material of which the culvert is made. See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* ROAD CULVERT MATERIAL CODE The material of which the culvert is made.		N VARCHAR2	10
DESCRIPTION The long description of the code suitable for display		N VARCHAR2	240
EFFECTIVE DATE The date the code becomes effective		N DATE	
EXPIRY DATE The date the code is not longer valid to be used but retained for referential integrity		N DATE	
UPDATE TIMESTAMP The date and time the record was last changed		N DATE	

\* = Attributes in primary unique identifier.

**Relationships:**

Each Occurrence Of This Entity:

MAY BE constituting one or more CULVERT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR_RCMC_PK	Primary	Y
ROAD CULVERT MATERIAL CODE		

**Entity Name:** ROAD DEACTIVATION

*Short Name:* RD

*Plural:* ROAD DEACTIVATION

*Init. Volume:* 0      *Avg. Volume:* 25000

*Max. Volume:* 25000

*Annual Growth Rate:* 20%

*Subtype of:* LINEAR EVENT LOCATION

**Description:**

Descriptors and date when deactivation was completed.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
ACTUAL COMPLETION DATE		N	DATE	
Date on which Deactivation was completed.				
SIGNAGE DATE		Y	DATE	
The date one which signage was installed				
REVEG DATE		Y	DATE	
The date revegetation was done				
COMMENTS		Y	VARCHAR2	4000
Comments regarding the deactivation.				

\* = Attributes in primary unique identifier.

**Relationships:**

Each Occurrence Of This Entity:

MUST BE having permanency indicated by one and only one ROAD DEACTVTN LEVEL CODE

\* = Relationships in primary unique identifier.

**Entity Name:** ROAD DEACTVTN LEVEL CODE**Short Name:** RDLC**Plural:** ROAD DEACTVTN LEVEL CODE**Init. Volume:** 3**Avg. Volume:** 3**Max. Volume:** 3**Annual Growth Rate:** 0%**Description:**

Level of road deactivation. Permanent is the only allowable value. See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* ROAD DEACTVTN LEVEL CODE Level of road deactivation. Permanent is the only allowable value.		N VARCHAR2	10
DESCRIPTION The long description of the code suitable for display		N VARCHAR2	120
EFFECTIVE DATE The date the code becomes effective		N DATE	
EXPIRY DATE The date the code is not longer valid to be used but retained for referential integrity		N DATE	
UPDATE TIMESTAMP The date and time the record was last changed		N DATE	

\* = Attributes in primary unique identifier.

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

MAY BE indicating permanency one or more ROAD DEACTIVATION

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_RDLC\_PK Primary Y

ROAD DEACTVTN LEVEL CODE

**Entity Name:** ROAD DESIGN VEHICLE CODE**Short Name:** RDVC**Plural:** ROAD DESIGN VEHICLE CODE**Init. Volume:** 7**Avg. Volume:** 7**Max. Volume:** 7**Annual Growth Rate:** 0%**Description:**

The British Columbia Forest Service (BCFS) logging truck design load configuration for which the structure was designed (e.g. L75, L100, etc.). See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* ROAD DESIGN VEHICLE CODE		N VARCHAR2	10
BCFS logging truck design load configuration for which the structure was designed (e.g. L75, L100, etc.).			
DESCRIPTION		N VARCHAR2	120
The long description of the code suitable for display			
EFFECTIVE DATE		N DATE	
The date the code becomes effective			
EXPIRY DATE		N DATE	
The date the code is not longer valid to be used but retained for referential integrity			
UPDATE TIMESTAMP		N DATE	
The date and time the record was last changed			

\* = Attributes in primary unique identifier.

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

MAY BE used to rate load for one or more BRIDGE

MAY BE used to rate load for one or more CULVERT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_RDVC\_PK Primary Y

ROAD DESIGN VEHICLE CODE

**Entity Name:** ROAD FEATURE CODE**Short Name:** RFC**Plural:** ROAD FEATURE CODE**Init. Volume:** 2**Avg. Volume:** 2**Max. Volume:** 2**Annual Growth Rate:** 0%**Description:**

Indicates the placement of organic material in relation to the road. See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* ROAD FEATURE CODE		N VARCHAR2	10
Indicates the placement of organic material in relation to the road.			
DESCRIPTION		N VARCHAR2	120
The long description of the code suitable for display			
EFFECTIVE DATE		N DATE	
The date the code becomes effective			
EXPIRY DATE		N DATE	
The date the code is not longer valid to be used but retained for referential integrity			
UPDATE TIMESTAMP		N DATE	
The date and time the record was last changed			

\* = Attributes in primary unique identifier.

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

MAY BE indicating placement wrt road one or more ROAD BED ORGANIC MATERIAL

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_RFC\_PK Primary Y

ROAD FEATURE CODE

**Entity Name:** ROAD LINEAR STRUCTURE*Short Name:* RLS*Plural:* ROAD LINEAR STRUCTURE*Init. Volume:* 0*Avg. Volume:* 25000*Max. Volume:* 25000*Annual Growth Rate:* 20%*Subtype of:* LINEAR EVENT LOCATION**Description:**

Engineered structures, other than bridges or culverts, that occur along a road.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
ENGINEERED STRUCTURE IND		N	VARCHAR2	1

Is this an Engineered Structure designed by a P. eng? Y or N.

*Allowable Values of Attribute*

N

Y

\* = Attributes in primary unique identifier.

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

MUST BE made of one and only one LINEAR FEATURE TYPE CODE

MUST BE classified by one and only one LINEAR STRUC CLASS CODE

\* = Relationships in primary unique identifier.

**Entity Name:** ROAD RIPARIAN CLASS CODE**Short Name:** RRCC**Plural:** ROAD RIPARIAN CLASS CODE**Init. Volume:** 16**Avg. Volume:** 16**Max. Volume:** 16**Annual Growth Rate:** 0%**Description:**

A code used to classify each stream, lake or wetland. For example, with streams the class code is determined by presence of fish, occurrence in a community watershed, and average channel width. See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* ROAD RIPARIAN CLASS CODE		N VARCHAR2	10
A code used to classify each stream, lake or wetland. For example, with streams the class code is determined by presence of fish, occurrence in a community watershed, and average channel width.			
DESCRIPTION		N VARCHAR2	120
The long description of the code suitable for display			
EFFECTIVE DATE		N DATE	
The date the code becomes effective			
EXPIRY DATE		N DATE	
The date the code is not longer valid to be used but retained for referential integrity			
UPDATE TIMESTAMP		N DATE	
The date and time the record was last changed			
* = Attributes in primary unique identifier.			

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

MAY BE classifying one or more BRIDGE

MAY BE classifying one or more CULVERT

\* = Relationships in primary unique identifier.

**Unique Identifiers:**ABR\_RRCC\_PK *Primary Y*

ROAD RIPARIAN CLASS CODE



**Entity Name:** ROAD SECTION**Short Name:** RS**Plural:** ROAD SECTION**Init. Volume:**                      **Avg. Volume:**                      **Max. Volume:**                      **Annual Growth Rate:****Description:**

Uniquely identifies each road section. This entity is a stub and is here to show a relationship. It will not be generated.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* ROAD SECTION ID		N VARCHAR2	10

A unique, user-defined identifier for the road section in relation to the tenure.

\* = Attributes in primary unique identifier.

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

- \* MUST BE identified by one and only one PROV FOREST USE
- MAY BE represented by one and only one ROAD SECTION GEOMETRY

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

RS	Primary	Y
----	---------	---

MUST BE identified by one and only one PROV FOREST USE  
ROAD SECTION ID

**Entity Name:** ROAD SECTION GEOMETRY**Short Name:** RSG**Plural:** ABR ROAD SECTION GEOMETRY**Init. Volume:** 0      **Avg. Volume:** 35000      **Max. Volume:** 35000      **Annual Growth Rate:** 20%**Description:**

A section of road that constitutes a permanent access structure, built under the authority of a Road Permit, FSR, or Cutting Permit. This can be a multipart line feature.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROAD SECTION GEOM ID		N	NUMBER	10
A unique identifier to track a road section line.				
GEOMETRY		Y	NUMBER	38
A linestring representing the shape of the road section.				
ENTRY_TIMESTAMP		N	DATE	
The date and time the information was entered.				
ENTRY_USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
UPDATE_TIMESTAMP		N	DATE	
The date and time of the last update.				
UPDATE_USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				
* = Attributes in primary unique identifier.				

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

MAY BE having events at one or more LINEAR EVENT LOCATION

MAY BE having events at one or more POINT EVENT LOCATION

MAY BE representing one and only one ROAD SECTION

MUST BE built under authorization of one and only one ROAD TENURE

MUST BE within one and only one SUBMISSION METADATA

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_ROAD\_SECTION\_UK      Primary    N

MUST BE built under authorization of one and only one ROAD TENURE

MAY BE representing one and only one ROAD SECTION

ABR\_ROAD\_SECTION\_LINE\_ID\_PK    Primary    Y

ROAD SECTION GEOM ID

**Entity Name:** ROAD TENURE**Short Name:** RT**Plural:** ROAD TENURE**Init. Volume:** 0      **Avg. Volume:** 3000      **Max. Volume:** 3000      **Annual Growth Rate:** 20%**Description:**

Agreement (RP, FSR, CP) authorizing construction or activity for the road section.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ROAD ID		N	NUMBER	10
A unique identifier to track a road tenure.				
ENTRY_TIMESTAMP		N	DATE	
The date and time the information was entered.				
ENTRY_USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
UPDATE_TIMESTAMP		N	DATE	
The date and time of the last update.				
UPDATE_USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				

\* = Attributes in primary unique identifier.

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

MUST BE identified by one and only one CUT BLOCK

or MUST BE identified by one and only one PROV FOREST USE

MAY BE authorizing one or more ABR ROAD SECTION GEOMETRY

MUST BE has type defined by one and only one ROAD TENURE TYPE CODE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_ROAD\_TENURE\_PK      Primary    Y

ROAD ID

**Entity Name:** ROAD TENURE TYPE CODE**Short Name:** RTTC**Plural:** ROAD TENURE TYPE CODE**Init. Volume:** 3**Avg. Volume:** 3**Max. Volume:** 3**Annual Growth Rate:** 0%**Description:**

Defines the type of Road Tenure. See file ABR\_CODE\_TABLE.xls for code values.

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt Format</u>	<u>Length</u>
* ROAD TENURE TYPE CODE		N VARCHAR2	5
DESCRIPTION		N VARCHAR2	120
The long description of the code suitable for display			
EFFECTIVE DATE		N DATE	
The date the code becomes effective			
EXPIRY DATE		N DATE	
The date the code is not longer valid to be used but retained for referential integrity			
UPDATE TIMESTAMP		N DATE	
The date and time the record was last changed			

\* = Attributes in primary unique identifier.

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

MAY BE defines type for one or more ROAD TENURE

\* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR_RTTC_PK	Primary	Y
ROAD TENURE TYPE CODE		

**Entity Name:** SUBMISSION METADATA**Short Name:** SM**Plural:** SUBMISSION METADATA**Init. Volume:** 0      **Avg. Volume:** 3000      **Max. Volume:** 3000      **Annual Growth Rate:** 20%**Description:**

Submission metadata comprises information about the ABR electronic submission

**Attributes:**

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
CONTACT NAME		N	VARCHAR2	50
Contact name of the licensee representative.				
ENTRY_TIMESTAMP		N	DATE	
The date and time the information was entered.				
ENTRY_USERID		N	VARCHAR2	30
The USERID of the individual who entered the information.				
UPDATE_TIMESTAMP		N	DATE	
The date and time of the last update.				
UPDATE_USERID		N	VARCHAR2	30
The USERID of the individual who last updated the information.				

\* = Attributes in primary unique identifier.

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

- \* MUST BE within one and only one ELECTRONIC SUBMISSION
- MAY BE is metadata for one or more ABR ROAD SECTION GEOMETRY
- \* = Relationships in primary unique identifier.

**Unique Identifiers:**

ABR\_SUBMISSION\_METADTA\_PK      Primary      Y

*MUST BE within one and only one ELECTRONIC SUBMISSION*





# Index

BRIDGE, 1  
BRIDGE DECK CODE, 3  
BRIDGE SUBSTRUCTURE CODE, 4  
BRIDGE SUPERSTRUCTURE CODE, 5  
CORP CAPTURE METHOD, 6  
CORP COORDINATE SYSTEM CODE, 7  
CULVERT, 8  
CUT BLOCK, 10  
DATA QUALITY, 11  
DATA SOURCE CODE, 12  
ELECTRONIC SUBMISSION, 13  
FOR CLIENT LINK, 14  
FOREST CLIENT, 15  
HORIZONTAL DATUM CODE, 16  
LINEAR EVENT LOCATION, 17  
LINEAR EVENT PROCESSED, 18  
LINEAR EVENT TYPE CODE, 19  
LINEAR FEATURE TYPE CODE, 20  
LINEAR STRUC CLASS CODE, 21  
POINT EVENT LOCATION, 22  
POINT EVENT PROCESSED, 23  
POINT EVENT TYPE CODE, 24  
PROV FOREST USE, 25  
ROAD ACCESS CONTROL, 26  
ROAD ACCESS CONTROL CODE, 27  
ROAD ACCESS METHOD CODE, 28  
ROAD ACCESS RATIONL CODE, 29  
ROAD BED ORGANIC MATERIAL, 30  
ROAD CONSTRCTN TYPE CODE, 31  
ROAD CONSTRUCTION DATE, 32  
ROAD CULVERT MATERIAL CODE, 33  
ROAD DEACTIVATION, 34  
ROAD DEACTVTN LEVEL CODE, 35  
ROAD DESIGN VEHICLE CODE, 36  
ROAD FEATURE CODE, 37  
ROAD LINEAR STRUCTURE, 38  
ROAD RIPARIAN CLASS CODE, 39  
ROAD SEASON CODE, 40  
ROAD SECTION, 41  
ROAD SECTION GEOMETRY, 42  
ROAD TENURE, 43  
ROAD TENURE TYPE CODE, 44  
SUBMISSION METADATA, 45  
VERTICAL DATUM CODE, 46