CULVERT ASSET ID NUMBER

CULVERT	Normally 3 – digits	3 – digits	3 – digits plus 2 - Decimals
PREFIX	**ROUTE**	**COUNTY**	**REFERENCE POST**

CV 067-055-078.65

CV=Culvert

 Road Number

County Number

Ref. Post

U.S. and State Routes: - Place one or two "0" prior to the U.S. or State Route number, e.g., 056 or 001.

Interstate Highway: - Place an "I" in the first digit location, e.g., I65. For 3-digit interstate numbers enter 4 digits, e.g., I465.

The route and RP serve as a field reference for culvert inspectors. The reference post number should always be carried to the second decimal to insure proper field location. Station numbers must not be used in place of an RP. The "Main Map" in the Bridge Inspection Application System (BIAS) can be used to approximate the RP number of a culvert.
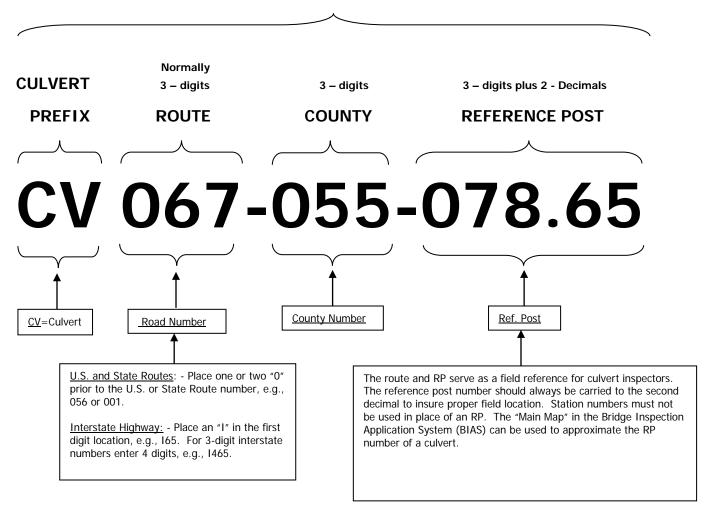
Contact INBridgesHelp@INDOT.in.gov for questions regarding culvert asset ID numbers

CULVERT ASSET ID NUMBERING SYSTEM
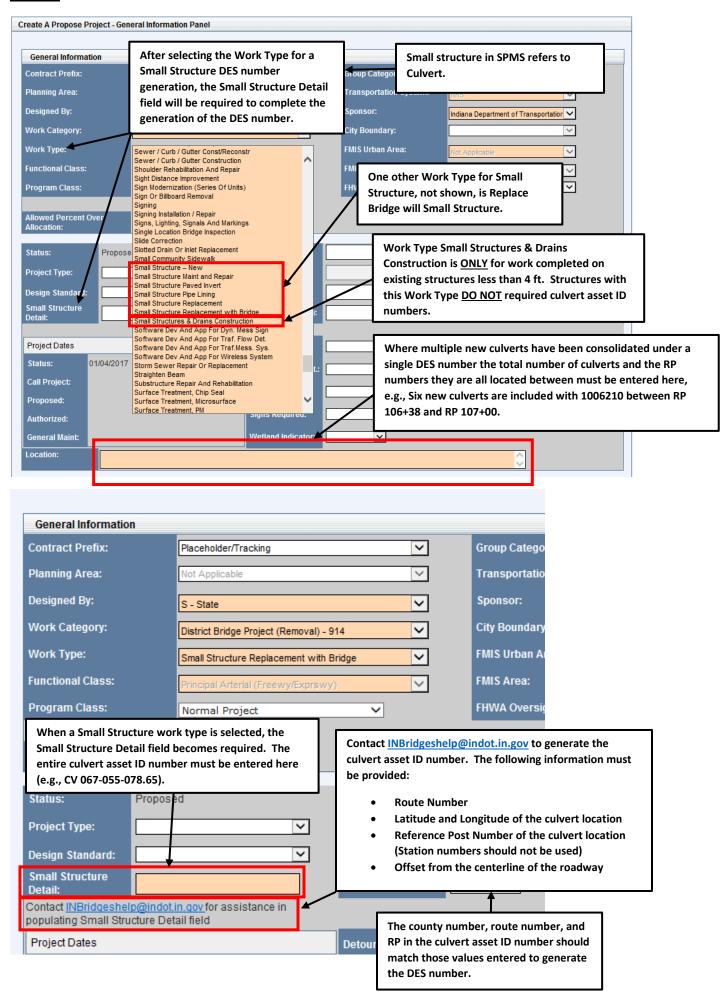
Guide to using this chart.

This example illustrates a pipe lining project for an existing 48-in. (4 ft) diameter pipe.

(1.) Identify the work type. *Pipe lining is considered Rehabilitation*

(2.) Identify the designation of the existing structure, i.e. is it a pipe, culvert, or a bridge? *A span ≥ 4 ft is designated as a culvert.*

(3.) Identify the designation of the structure upon completion of the work (proposed structure). *Lining a structure will always reduce the internal opening (span). The extent of the reduction will vary based on the lining material. The hydraulics approval letter will likely contain the internal opening. For this example we will assume a proposed internal opening of 44 in.*

(4.) The intersection of the existing structure and the proposed structure on the grid indicates the culvert asset ID requirement and the need for a des. number
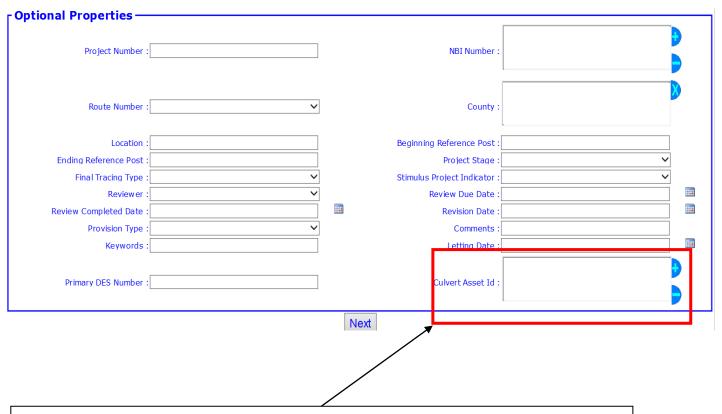
Des. Number and Culvert Asset ID/Bridge Structure Number Requirements									
Work Type →	Replacement			Rehabilitation (1.)			New (no existing pipe, culvert, or bridge)		Removal (2)
Proposed Structure →	with Pipe	with Culvert	with Bridge	results in structure being classified as (3.)			Culvert	Bridge	Bridge Only
				Pipe	Culvert	Bridge			
Existing Structure ↓	span < 4ft	4ft ≤ span ≤ 20ft	span > 20ft	span < 4ft	4ft ≤ span ≤ 20ft	span > 20ft	4ft ≤ span ≤ 20ft	span > 20ft	
Pipe (span < 4ft)	ID and Des. No. not req'd	Create new culvert asset ID. Des. No. req'd (1)	Create new bridge structure number. (3) Des. No. req'd	ID and Des. No. not req'd	N/A	N/A	N/A	N/A	N/A
Culvert (4ft ≤ span ≤ 20ft)	Keep existing culvert asset ID. Des. No. req'd	Keep existing culvert asset ID. Des. No. req'd	Create new bridge structure number. (3) Des. No. req'd	Keep existing culvert asset ID. Des. No. req'd (4.)	Keep existing culvert asset ID. Des. No. req'd	N/A	N/A	N/A	N/A
Bridge (span > 20ft)	ID and Des. No. not req'd (2)	Create new culvert asset ID. Des. No. req'd (2)	Create new bridge structure number. (3) Des. No. req'd	N/A	N/A	Revise designation letter of existing bridge str. number.(3) Des. No. req'd	N/A	N/A	Des. No. req'd (2)
No Existing Pipe, Culvert, or Bridge	N/A	N/A	N/A	N/A	N/A	N/A	Create new culvert asset ID. Des. No. req'd (1)	Create new bridge structure number. (3) Des. No. req'd	N/A

SPMS

Create A Propose Project - General Information Panel

General Information

Contract Prefix:
Planning Area:
Designed By:
Work Category:
Work Type:
Functional Class:
Program Class:

Allowed Percent Over Allocation:

Status: Propose
Project Type:
Design Standard:
Small Structure Detail:

Project Dates

Status: 01/04/2017
Call Project:
Proposed:
Authorized:
General Maint:

Location:

Group Catego
Transportation System: NHS
Sponsor: Indiana Department of Transportation
City Boundary:
FMIS Urban Area: Not Applicable
FM
FHV

Work Type dropdown list:
- Sewer / Curb / Gutter Const/Reconstr
- Sewer / Curb / Gutter Construction
- Shoulder Rehabilitation And Repair
- Sight Distance Improvement
- Sign Modernization (Series Of Units)
- Sign Or Billboard Removal
- Signing
- Signing Installation / Repair
- Signs, Lighting, Signals And Markings
- Single Location Bridge Inspection
- Slide Correction
- Slotted Drain Or Inlet Replacement
- Small Community Sidewalk
- **Small Structure – New**
- **Small Structure Maint and Repair**
- **Small Structure Paved Invert**
- **Small Structure Pipe Lining**
- **Small Structure Replacement**
- **Small Structure Replacement with Bridge**
- **Small Structures & Drains Construction**
- Software Dev And App For Dyn. Mess Sign
- Software Dev And App For Traf. Flow Det.
- Software Dev And App For Traf.Mess. Sys.
- Software Dev And App For Wireless System
- Storm Sewer Repair Or Replacement
- Straighten Beam
- Substructure Repair And Rehabilitation
- Surface Treatment, Chip Seal
- Surface Treatment, Microsurface
- Surface Treatment, PM

Signs Required:
Wetland Indicator:

Annotations:

After selecting the Work Type for a Small Structure DES number generation, the Small Structure Detail field will be required to complete the generation of the DES number.

Small structure in SPMS refers to Culvert.

One other Work Type for Small Structure, not shown, is Replace Bridge will Small Structure.

Work Type Small Structures & Drains Construction is **ONLY** for work completed on existing structures less than 4 ft. Structures with this Work Type **DO NOT** required culvert asset ID numbers.

Where multiple new culverts have been consolidated under a single DES number the total number of culverts and the RP numbers they are all located between must be entered here, e.g., Six new culverts are included with 1006210 between RP 106+38 and RP 107+00.

General Information

Contract Prefix:	Placeholder/Tracking
Planning Area:	Not Applicable
Designed By:	S - State
Work Category:	District Bridge Project (Removal) - 914
Work Type:	Small Structure Replacement with Bridge
Functional Class:	Principal Arterial (Freewy/Exprswy)
Program Class:	Normal Project

Group Catego
Transportatio
Sponsor:
City Boundary
FMIS Urban A
FMIS Area:
FHWA Oversi

Status: Proposed
Project Type:
Design Standard:
Small Structure Detail:

Contact INBridgeshelp@indot.in.gov for assistance in populating Small Structure Detail field

Project Dates

Detou

Annotations:

When a Small Structure work type is selected, the Small Structure Detail field becomes required. The entire culvert asset ID number must be entered here (e.g., CV 067-055-078.65).

Contact **INBridgeshelp@indot.in.gov** to generate the culvert asset ID number. The following information must be provided:

- Route Number
- Latitude and Longitude of the culvert location
- Reference Post Number of the culvert location (Station numbers should not be used)
- Offset from the centerline of the roadway

The county number, route number, and RP in the culvert asset ID number should match those values entered to generate the DES number.

ERMS

Optional Properties

Project Number : [   ]

NBI Number : [   ]

County : [   ]

Route Number : [▼]

Location : [   ]

Beginning Reference Post : [   ]

Ending Reference Post : [   ]

Project Stage : [▼]

Final Tracing Type : [▼]

Stimulus Project Indicator : [▼]

Reviewer : [▼]

Review Due Date : [   ]

Review Completed Date : [   ]

Revision Date : [   ]

Provision Type : [▼]

Comments : [   ]

Keywords : [   ]

Letting Date : [   ]

Primary DES Number : [   ]

Culvert Asset Id : [   ]

Next

Enter the entire culvert asset ID number (e.g., CV 067-055-078.65). For multiple culverts within a contract or set of plans, the culvert asset ID numbers should be comma separated. This field will eventually be mandatory.

Culvert asset ID numbers for new culverts should be requested at INBridgesHelp@indot.in.gov.

Existing culvert asset ID numbers for culvert replacements or rehabilitations should be retained.

PLANS

Title Sheet

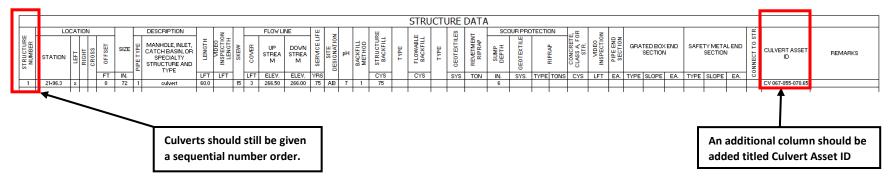| CULVERT ASSETS		
Des. No. (1)	Culvert Asset ID (2)	Work Type (3)
1702169 (Tracking Purposes Only)	CV 020-046-041.50	New
1702171	CV 020-046-041.66	Replacement

(1) Where the Des. No. is not accompanied by a separate estimate, include "(For Tracking Purposes Only)" under the Des No. It can be included under the heading where none of the Des. No. is accompanied by a separate estimate. List Des. No. in numeric order.

(2) The creation of the Culvert Asset ID must be coordinated with INBridgesHelp@indot.in.gov. This coordination ensures a record is created in BIAS and the structure is identified for future inspections.

(3) The Work Type should correspond to the work type from SPMS

Examples: New, Replacement, Paved Invert, Pipe Liner, Replace Bridge with Small Structure

Structure Data Table

Culverts should still be given a sequential number order.

An additional column should be added titled Culvert Asset ID

Layout Sheet (for work type Small Structure Replacement with Bridge)

Identify the existing culvert on the layout sheet

EXISTING STRUCTURE

The existing culvert (CV 067-055-078.65) is a reinforced concrete slab top structure built in 1932 with a 9.4 ft span and 6.0 ft rise, with wingwalls. Existing structure to be removed.