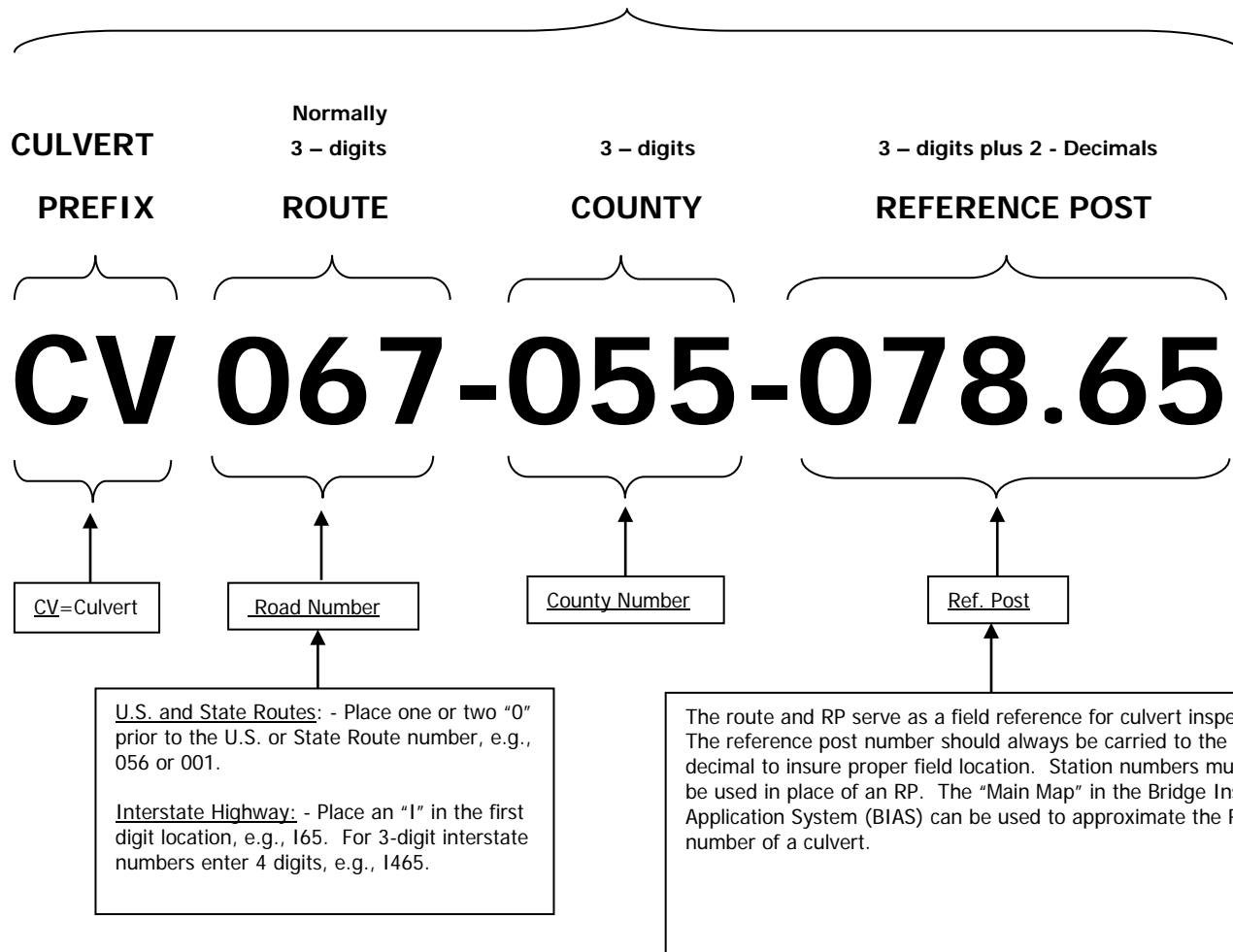


CULVERT ASSET ID NUMBER



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			1. Rehabilitation	New (no existing pipe, culvert, or bridge)		Removal ⁽²⁾		
Proposed Structure →	with Pipe	with Culvert	with Bridge	3. results in structure being classified as			Culvert	Bridge	Bridge Only
Existing Structure ↓	span < 4ft	4ft ≤ span ≤ 20ft	span > 20ft	Pipe span < 4ft	Culvert 4ft ≤ span ≤ 20ft	Bridge 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
2. 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

Create A Propose Project - General Information Panel

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]

Status: Proposed

Project Type: []

Design Standard: []

Small Structure Detail: []

Project Dates: 01/04/2017

Call Project: []

Proposed: []

Authorized: []

General Maint: []

Location: []

Work Type 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 Dyn. 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

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.

Location: []

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]

Status: Proposed

Project Type: []

Design Standard: []

Small Structure Detail: []

Project Dates: []

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

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

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 :	<input type="text"/>	NBI Number :	<input type="text"/>
Route Number :	<input type="text"/>	County :	<input type="text"/>
Location :	<input type="text"/>	Beginning Reference Post :	<input type="text"/>
Ending Reference Post :	<input type="text"/>	Project Stage :	<input type="text"/>
Final Tracing Type :	<input type="text"/>	Stimulus Project Indicator :	<input type="text"/>
Reviewer :	<input type="text"/>	Review Due Date :	<input type="text"/>
Review Completed Date :	<input type="text"/>	Revision Date :	<input type="text"/>
Provision Type :	<input type="text"/>	Comments :	<input type="text"/>
Keywords :	<input type="text"/>	Letting Date :	<input type="text"/>
Primary DES Number :	<input type="text"/>	Culvert Asset Id :	<input type="text"/>

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.	Culvert Asset ID
1006210	CV 067-055-078.65
1006310	CV 067-055-078.78
1006410	CV 067-055-078.99

The DES numbers and culvert asset ID numbers for all culverts should be tabulated and shown on the title sheet.

Structure Data Table

STRUCTURE NUMBER	LOCATION												DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	STRUCTURE DATA																CONNECT TO STR.	CULVERT ASSET ID	REMARKS									
	STATION	LEFT	RIGHT	CROSS	OFF SET	SIZE		LENGTH	VIDEO INSPECTION LENGTH	SKEW	FLOW LINE			SERVICE LIFE	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURE BACKFILL	TYPE	FLOWABLE BACKFILL	TYPE	GEOTEXTILES	REINFORCEMENT RIPRAP	SCOUR PROTECTION			CONCRETE CLASS FOR STR.	VIDEO INSPECTION	PIPE END SECTION				GRADED BOX END SECTION		SAFETY METAL END SECTION						
						FT	IN.				COVER	UP STREAM												DOWN STREAM	YRS	IN							SYN.	TYPE	TONS	CYS	LFT	EA.	TYPE	SLOPE	EA.
1	21+96.3	x			0	72	1	60.0		15	3	268.50	268.00	75	AB	7	1	75						6																CV 067-055-078.65	

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.