

Culvert Rating Form

Bridge Number:		Year Built:	Year Remodeled:	
County:		Bridge Owner:		
Route:		Feature Crossed:		
Culvert Type:				
Structure Type Code:		Culvert Dimensions:		
No. of Barrels:		Barrel Length:		
Rating Guidelines				
Material	Culvert Type	Structure Type Code	Inventory Load Rating	Operating Load Rating
Cast-in-place Concrete	Box	113	HS 22.0	HS 33.0
	Type W Box (1930 era)	113	HS 16.0	HS 24.0
	Footing Supported Arch	112	HS 20.0	HS 30.0
Precast Concrete	Box (prior to 1989)	513	HS 24.0	HS 36.0
	Box (1989 – 2010) *	513	HS 25.0	HS 42.0
	Box (2011 & after) **	513	RF=1.0	RF=1.3
	Footing Supported Arch	512	HS 20.0	HS 30.0
	Round Pipe	514	HS 24.0	HS 36.0
	Pipe-Arch	515	HS 22.0	HS 33.0
Aluminum	Box	913	HS 14.0	HS 21.0
Metal	Footing Supported Arch	312	HS 12.0	HS 18.0
	Round Pipe	314	HS 16.0	HS 24.0
	Pipe-Arch	315	HS 16.0	HS 24.0
	Elliptical	316	HS 16.0	HS 24.0
Timber	Box	713	HS 14.0	HS 21.0
Masonry	Footing Supported Arch	812	HS 18.0	HS 27.0
★ Structures with Load Factor HS 25 Design				
★★ Structures with LRFD HL 93 Design using Standard Plans – Precast Concrete Box Culvert				

The above table may be used as a guideline to the culvert rating.

Inventory Rating		Operating Rating	
------------------	--	------------------	--

NBI Condition Rating: Culvert _____

If the culvert condition rating is 4 or less, do not use this form.
Instead, rate by Physical Inspection Rating (Form_PIR).

(Typed or Printed) Name: _____ Date: _____

(Typed or Printed) Title: _____

(Typed or Printed) Employed by (Agency / Firm): _____