	Form 90-CL Revised: Feb. 2020							
	Bridge Number: 1234			Year Built: 2021 Replaces Br. XYZ				
A	County: Anoka				Bridge Owner: Anoka County			
	Route: 1				Feature Crossed: XYZ           No. of Barrels: 1			
R		Culvert Type: Precast Concrete Box       No. of Barrels: 1         Culvert Dimensions: 10 ft X 9 ft       Barrel Length: 50 ft						
	NBI Culvert Condition Rating: 9 Depth of Cover: 4 ft							
	alta i co	★ Culvert Type		е Туре	pe LRFR Assigned Load Rating Factors			
	★ Culvert			de	Inventory		Operating	
С	Precast Con	Precast Concrete Box		3	RF = 1.0		RF = 1.3	
	Precast Concrete Round Pipe		514		RF = 1.0		RF = 1.3	
		Precast Concrete Pipe Arch		5	RF = 1.0		RF = 1.3	
		Overweight Permit Codes						
U	A = 1	A = 1			B = 1		C = 1	
E	MnDOT LRFD STANDARD CULVERT TYPES:							
	* New or existing	<ul> <li>New or existing precast concrete culvert using MnDOT LRFD Design Standard Plans/Plates and standard tabulated values with NBI culvert condition rating of 5 or greater.</li> </ul>						
	-Existing precast concrete culvert using MnDOT LRFD Design Standard Plans/Plates and standard tabulated values with NBI culvert condition rating less than 5, use RC-CL load rating form.							
	MnDOT LFD STANDARD CULVERT TYPES:							
	-Existing precast concrete culvert using MnDOT LFD Design Standard Plans/Plates and standard tabulated values use RC-CL load rating form.							
	NON-STANDARD CULVERT TYPES:							
	-A new precast concrete culvert custom design will require a RC-CL load rating form.							
	-New or existing steel, aluminum and timber culverts, use RC-CL load rating form.							
	-New or existing masonry and cast-in-place concrete culverts, use RC-CL load rating form if							
	plans are availab	le or Form-PIR	if plans are	e not ava	ailable.			
				by me	or under my di	rect supe	vision and that I am	
	I hereby certify that			-				
	a duly Licensed Pr	ofessional Engi	neer unde	-			ota.	
_		ofessional Engi Dimaculangan	neer unde	-				

## Instruction for completing Form 90-CL

**Description & location** - Enter identification number assigned to the culvert, enter the year the culvert will be built, the culvert number that the structure will replace if applicable, select the county from the pull down list where the bridge is located, enter the owner of the culvert, e.g. County, City, Township etc., enter the route number of the road carried by the culvert, enter the name of the river, stream or other features through the culvert.

**Culvert type & description** – Select the culvert type from the pull down list, enter the number of barrels, enter the culvert span (width) and rise (height) in feet, enter the barrel length in feet, select a NBI condition rating value for the culvert from the pull down list, enter the fill height in feet (measured from the top surface of the top slab to the top of the roadway).

C Structure type - The electronic pdf form will automatically select the appropriate check box based on the information provided in section B. (*Culvert Type and NBI Culvert Condition Rating value (5 or greater) in section B must be entered to use this form and for the form to work properly.*)

D **Overweight Permit Codes** - Assigned overweight permit codes for Form90-CL, for more information, see MnDOT Bridge Load Rating and Evaluation Manual, Appendix C-1.

E C General information regarding use of this form and load rating precast concrete culverts.

F
 F Signature Block – Before signing the form electronically, first, enter the name of the registered engineer, enter the date the engineer signs the form, enter the Professional Engineering license number of the registered engineer, select the employed by check box and enter the agency or name of firm. Digital signature will lock the document and prevent future changes. Note: If the employed by firm check box is selected, another signature line will automatically drop down below the employed by line

L that must be electronically signed by the Program Administrator.

Α

В