



SDDOT Fish Passage Assessment Worksheet

South Dakota Department of Transportation
 Environmental Office
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General Project Information

Project #	PCN	Date / /	Year Constructed
County	Structure Location		
Assessed By	Stream Name		

Structure Length and Width or Diameter

Structure Type	Number of Barrels	X Width (ft) x Height (ft)	
Box		ft x	ft
Arch		ft x	ft
Pipe Diameter			
Bridge		ft x	ft

Structure Shape Comments

Inlet Type	Outlet Type <small>(Document any potential fish passage barriers)</small>
<input type="checkbox"/> Projecting	<input type="checkbox"/> At Stream Grade
<input type="checkbox"/> Wing Wall	<input type="checkbox"/> Cascade Over Riprap
<input type="checkbox"/> Headwall	<input type="checkbox"/> Free Fall Into Pool
<input type="checkbox"/> Apron	<input type="checkbox"/> Free Fall Onto Riprap
<input type="checkbox"/> Riprap	<input type="checkbox"/> Apron
<input type="checkbox"/> Other	<input type="checkbox"/> Other

Rapid Visual Assessment

Observation Yes, No or NA

- The structure is installed generally in accordance with plans (height, width, elevation, location, etc. *This item is to be completed on the initial survey only.*)
 - Overall structure width is wider than the average stream widths upstream and downstream.
 - Natural streambed material exists throughout structure (i.e., countersunk approximately 1 foot).
 - Stream channel is free of scour activity that may impede fish passage.
 - A natural low flow channel exists through the structure or if not the streambed surface within the structure simulates the streambed beyond the structure inlet and outlet similar to design conditions.*
 - Stream is free of channelizing along the surface of the structure.*
 - Upstream and downstream channel appears stable (no apparent erosion).
 - Vegetation is/has re-established on the stream banks within the construction area.
- If "no" is selected for items 5 or 6, additional field observation and measurements may be required. Refer to "Stream Crossing Section in the Monitoring Protocol for additional measurements and evaluation procedures. figures 1-4 are included for ease of reference.*

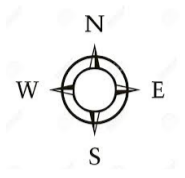
Field Measurements

Stream Depth at Structure *Left to right=as observer faces outlet (downstream side) of structure.*

Location	Left Depth	1/4 Pt Depth	1/2 Pt Depth	3/4 Pt Depth	Right Depth	Thalweg Depth
Outlet						
MidStr						
Inlet						
7xWUpStrm						
7xWDwnStrm						

Describe observations used in making above determinations. Describe whether unusual channelizing exists within the structure or stream. Note other unique site conditions that may/may not warrant corrective actions. Document with additional photographs if needed.

SDDOT Fish Passage Assessment Work Sheet-Attachment A (continued)

Photos		Location Description (optional)	
		Latitude	Longitude
	Upstream		
	1		
	2		
	Downstream		
	3		
	4		
	Other (optional)		
5			
6			
7			
8			

Report Findings

