


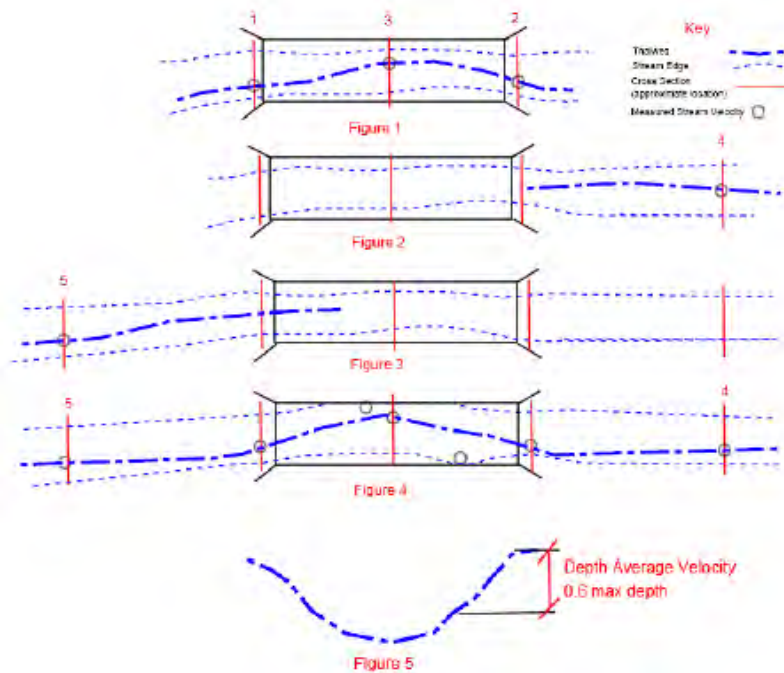
Photos				Location Description (optional)
		Latitude	Longitude	Include description of photograph location for future reference. Photos should include: approximately 7xW upstream/downstream from structure in the direction of the structure showing undisturbed channel beyond the construction limits, the upstream/downstream channel disturbed by the project, and the structure inlet and outlet.
Upstream				
1				1) From structure looking upstream
2				3) From upstream looking at structure
Downstream				
3				2) from structure looking downstream
4				4) From downstream toward structure
Other (optional)				
5				
6				* Re-took pictures on 6-10-14. One from upstream towards
7				box and one from downstream towards box
8				

REPORT FINDINGS

Structure initially monitored in 2012. 2014 monitoring was for scheduled 3rd-year evaluation.

Structure does not appear to affect fish passage or stream development.

<p>Figures 1-5</p>



Structure facing upstream

44.388572 -96.666561



Structure facing Downstream

44.388557, -96.666676




Upstream facing structure
6/10/14 site revisit



Downstream facing structure
6/10/14 site revisit



PRJ # BRO 8006 (46)		PCN: 6778		Date: 6/10/14		Year Constructed: 2009							
County: Brookings				Structure Location: 06-290-177									
Assessed By: Maier/Boone				Stream Name: Medary Creek									
Structure Type			Structure Shape Comments										
	Number of Barrels X Width (ft) X Height (ft)		Inlet Type					Outlet Type*					
Box	4x12'x8'		Projecting					At Stream Grade					x
Arch			Wing wall					Cascade over Riprap					
Pipe Diameter			Headwall					Free Fall into Pool					
¹ Bridge			Apron					Free Fall Onto Rip Rap					
¹ Bridge Deck Length X Width			Riprap					Apron					
			Other:					Other:					
Rapid Visual Assessment:													
Observation												Y / N N.A.	
1. The structure is installed generally in accordance with plans (height, width, elevation, location, etc...) <i>This item to be completed on initial survey only.</i>												y	
2. Overall structure width is wider than the average stream widths upstream and downstream .												y	
3. Natural streambed material exists throughout structure (i.e. countersunk approximately 1 foot)												y	
4. Stream channel is free of scour activity that may impede fish passage.												y	
5. 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.**												y	
6. Stream is free of channelizing along the surface of the structure.**												y	
7. Up & downstream channel appears stable (no apparent erosion).												y	
8. Vegetation is/has reestablished on the stream banks within the construction area.												y	
Field Measurements:													
Stream Depth and Velocities at Structure***													
Location	Left		1/4 Pt		1/2 Pt		3/4 Pt		Right		Thalweg		
	Depth	Vel.	Depth	Vel.	Depth	Vel.	Depth	Vel.	Depth	Vel.	Depth	Vel.	
Inlet													
Outlet													
MidStr													
7xW UpStrm													
7xW DwnStrm													
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.													
- Water was over 4ft deep, so no depth/velocity was able to be recorded													
- Vegetation is well established. No erosion apparent													
- Mud has accumulated in bottom of culvert. Box is countersunk per plans.													
5. streambed surface within the structure (thick mud) simulates the streambed beyond the structure inlet and outlet.													
* Document any potential fish passage barriers. ** If 'NO' is checked for Observation 5 or 6, additional field observation & measurements may be required. Refer to section 'Stream Crossing Section' in the Monitoring Protocol for additional measurements and evaluation procedures. Figs 1-4 are included for ease of reference. *** Velocities are to be taken 0.6 times the total depth measured from the water's surface. Refer to Figure 5.													

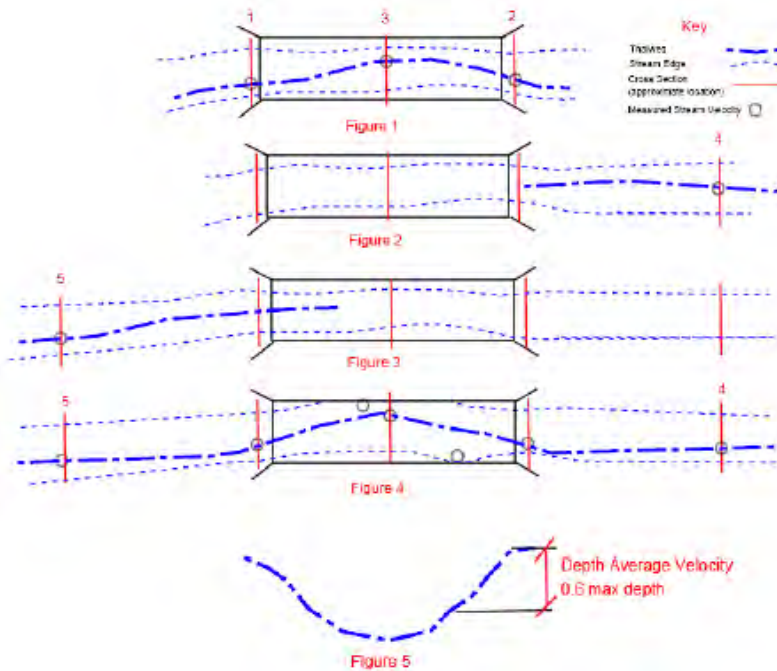
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Upstream				
1				
2				1) box facing upstream
Downstream				
3				2) upstream facing box
4				4) box facing downstream
Other (optional)				
5				5) downstream facing box
6				
7				
8				

REPORT FINDINGS

Initial monitoring in 2012; only issue noted - recheck wide channel area (bank erosion) downstream of box to insure it did not increase. Box re-monitored in 2013 with no change observed.

2014 monitoring was for scheduled 3rd year evaluation. Water depth prohibited any measurements within the structure on 6/10/2014 and on return visit 7/29/2014. Still no change in wide channel area. Culvert is countersunk. Sediment (thick mud) is accumulating inside structure. Fish passage does not appear to be restricted by structure.

Figures 1-5



From structure facing upstream

44.286196, -96.547133



From upstream facing structure



From structure facing downstream

44.286201, -96.547243



From downstream facing structure

