



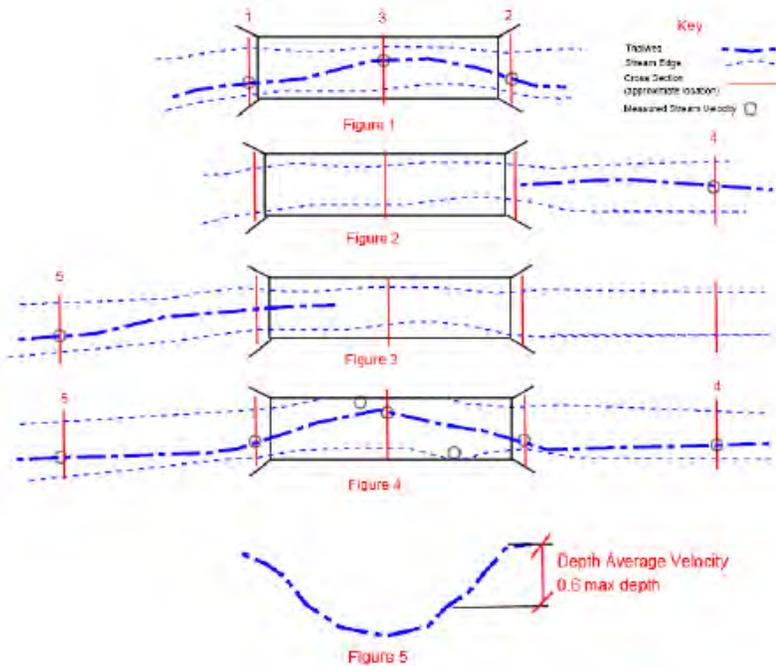
Photos				Location Description (optional)
		Latitude	Longitude	Include description of photograph location for future reference. Photos should include: approximately 7xW upstream/downstream from structure in the direction of the structure showing undisturbed channel beyond the construction limits, the upstream/downstream channel disturbed by the project, and the structure inlet and outlet.
<b>Upstream</b>				
1				1) From structure looking upstream
2				3) From upstream looking at structure
<b>Downstream</b>				
3				2) from structure looking downstream
4				4) From downstream toward structure
<b>Other (optional)</b>				
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.

Figures 1-5



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					
<sup>1</sup> Bridge			Apron					Free Fall Onto Rip Rap					
<sup>1</sup> 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													
<b>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.</b>													
- 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.													
<b>* Document any potential fish passage barriers. ** If 'NO' is checked for Observation 5 or 6, additional field observation &amp; 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.</b>													

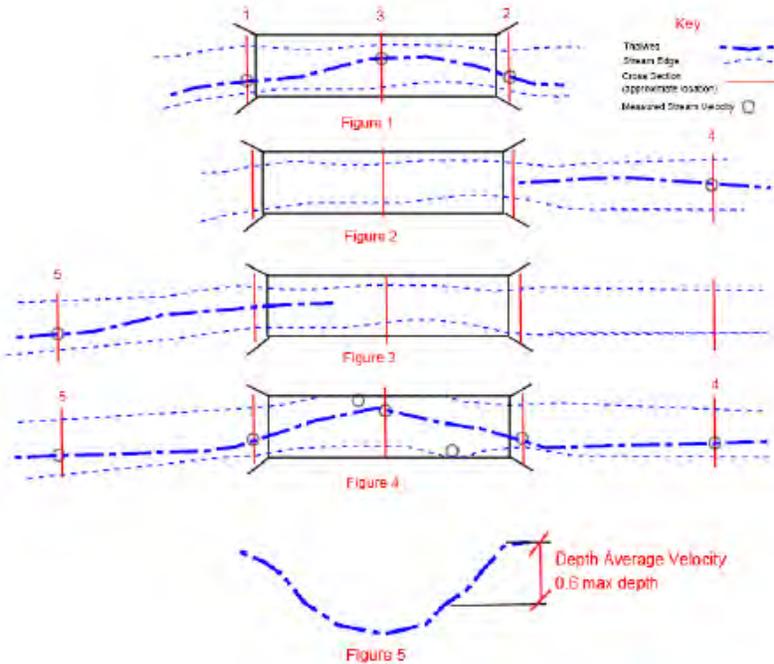
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Upstream				
1				1) box facing upstream
2				2) upstream facing box
Downstream				
3				4) box facing downstream
4				5) downstream facing box
Other (optional)				
5				
6				
7				
8				

**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

