

Bridge Inspection							
Bridge File Number	75820 -2 Bridge			Form Type	PCS		
Year Built/Year Supstr	2010/2009			Lot No.	4		
Bridge or Town Name	CALGARY			Inspector Name	Garry Roberts		
Located Over	WID - IRRIGATION C, WATERCRS-IC			Inspector Class	BR CLS A		
Located On	791:02 C1 10.577			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	18-Jul-2012		
Legal Land Location	NW SEC 31 TWP 23 RGE 27 W4M			Data Entry By	Kelsey Roberts		
Longitude, Latitude	-113:46:21, 51:00:09			Data Entry Date	23-Aug-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Ash Morjaria		
Contract Main. Area	CMA30			Review Date	28-Jul-2012		
Clear Roadway/Skew	11.2 / -30 deg. (LHF)			Dept. Reviewer Name	Tim Davies		
AADT/Year	2,020 / 2011 (A)			Dept. Review Date	24-Aug-2012		
Road Classification	RCU-211.0-110			Follow-Up By			
Detour Length (km)	3						
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	CL800						----> Primary Span

Posting Information							
Required Load Posting (t)	Single		Semi		Truck Train		
Posted Loading (t)	Single		Semi		Truck Train		
Posted:	Lane	WB	At Junction (Y/N)	In Advance (Y/N)	At Bridge (Y/N)		
Posted:	Lane	EB	At Junction (Y/N)	In Advance (Y/N)	At Bridge (Y/N)		
Remarks	Not required						
Hazard Marker At Bridge (Y/N)	Yes						
Remarks							
Other Sign Types							

Utilities (Located at)			
Utility Attachments			
Telephone	West Row	Gas	
Power	Eaat Row	Municipal	Waterline - East row
Others	Fibre optics east row	Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	Local Road intersection 150m south
Vertical Alignment		8	8	
Roadway Width (m)	9.100			15m of new ACP transition paving both ends
Approach Bump		8	8	
Guardrail (Y/N)	Yes			Thriebeam is new. Approach rail salvage but in good condition
Guardrail		8	8	
Length (m)	93.000			
Current Standard (Y/N)	Yes			
Termination Type	Turn Down			
Drainage		8	8	
<b>Approach Road General Rating</b>		<b>8</b>	<b>8</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SLC, 3 Spans, Lengths(m): 10-12-10, A-Ident Number: )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			9	8	
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>70</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			9	9	
Deck Joints			X	N	
Bump (Y/N)		No		Sealed sawcuts both ends	
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			9	9	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			9	9	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			9	9	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			9	9	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			9	9	
Last Complete Inspection Date		18-Jul-2012			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>10</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>9</b>	<b>9</b>	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>N</b> )						
(Extended Backwall Piles Spacing(mm) : )						
(Total Number of Caps/Corbels : <b>1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				9	9	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>1000</b> )						
(Width(mm) : <b>650</b> )						
Backwalls/Breastwalls				9	9	
Greatest Height (m)		1.30				
Wingwalls				9	9	
(Total Number of Bearing Piles : <b>9:9</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	18	0	0	0		
<b>Now</b>	18	0	0	0		
Piles				N	N	
Paint/Coating				9	9	
Abutment Stability				9	9	
Scour/Erosion				8	8	
<b>Piers/Bents</b>						
(Type : <b>PIER-COLUMN</b> )						
(Total Number of Caps/Corbels : <b>1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				9	9	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>1000</b> )						
(Width(mm) : <b>850</b> )						
(Total Number of Bearing Piles : <b>5:5</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Pier Shaft/Piles				9	9	
Greatest Height (m)		2.70				
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				8	8	
(Colour Description : )						
(Colour Code : )						
				Galvanized pier piles. pigmented sealer at pier caps		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		9	9	
Scour		8	8	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>9</b>	<b>9</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				Canal has gentle bend 100m D/S
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>7</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>100.0/100.0</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>82.8/82.8</b>	Est. Repl. Yr	2085	Maint. Req. (Y/N)	No
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	18-Oct-2015		Previous Inspection Date	28-Jul-2010			
Inspection Cycle (Default) (months)	39						
Comment							