

Bridge Inspection										
Bridge File Number	75386 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1996/1996				Lot No.	2				
Bridge or Town Name	MAGRATH				Inspector Name	Garry Roberts				
Located Over	SMR - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS A				
Located On	62:02 C1 44.272				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	15-Sep-2011				
Legal Land Location	SW SEC 12 TWP 5 RGE 22 W4M				Data Entry By	Alyssa Boynton				
Longitude, Latitude	-112:51:09, 49:21:58				Data Entry Date	25-Oct-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Ash Morjaria				
Contract Main. Area	CMA25				Review Date	08-Oct-2011				
Clear Roadway/Skew	11.1 /				Dept. Reviewer Name	Tim Davies				
AADT/Year	360 / 2010 (A)				Dept. Review Date	28-Oct-2011				
Road Classification	RAU-209-110				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:	CS750									---> Primary Span

Posting Information									
Required Load Posting (t)			Single		Semi		Truck Train		
Posted Loading (t)			Single		Semi		Truck Train		
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not req.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	West r/w - 2 cables.				Gas				
Power	East row.				Municipal				
Others					Problem (Y/N)		No		
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	Hill to North. Canal access at NW and NE.				
Vertical Alignment			7	7					
Roadway Width (m)		10.100							
Approach Bump			6	6					
Guardrail (Y/N)		Yes			Insufficient posts @ 1.9m spacing & insufficient length. Type VI @ North @ entrances.				
Guardrail			3	3	3 broken or split posts at SW.				
Length (m)		15.000							
Current Standard (Y/N)		No							
Termination Type		TURN DOWN							
Drainage			8	7					
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SCC, 3 Spans, Lengths(m): 12-14-12, A-Ident Number: )</b>					
<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			8	8	Deck is epoxy sealed
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			X	X	
Bump (Y/N)		No			
Deck Drainage			5	4	Missing 1 drain extension at Sp.2-G1.
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	Epoxy sealed Vertical cracks at curb exteriors.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			7	7	2 splices missing bolts @ East at welded splices so not req.
(Type : <b>FLEX BEAM;GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts		9	8		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating		8	8		
(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			8	8	Continuous
Last Complete Inspection Date		15-Sep-2011			
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>8</b>	<b>8</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				8	8	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>600</b> )						
(Width(mm) : <b>600</b> )						
Backwalls/Breastwalls				N	N	
Not visible behind girders.						
Greatest Height (m)		1.00				
Wingwalls				8	8	
(Total Number of Bearing Piles : <b>0:0</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	100	0	0	0		
<b>Now</b>	1	0	0	0		
Piles				N	N	
Paint/Coating				6	6	
Isolated peeling						
Abutment Stability				9	8	
Scour/Erosion				9	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				8	8	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>600</b> )						
(Width(mm) : <b>600</b> )						
(Total Number of Bearing Piles : <b>6:6</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				8	8	
Greatest Height (m)		5.00				
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				6	6	
Galvanized						
(Colour Description : )						
(Colour Code : )						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		8	N	Water too deep.
Debris (Y/N)	Yes			Old pipes in channel.
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	2.0			No visible HWM
Drift (Y/N)	No			
Slope Protection		8	8	Class 1 & 2.
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(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	2012	Replace 3 6x8 galvanized posts					
OTHER ACTION	2012	Extend 1 deck drain 100 dia. x 300					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>88.9/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>81.1/81.1</b>	Est. Repl. Yr	2063	Maint. Req. (Y/N)	Yes
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	15-Jun-2013		Previous Inspection Date	20-Jan-2010			
Inspection Cycle (Default) (months)	21						
Comment							