

Bridge Inspection									
Bridge File Number	70408 -2 Bridge				Form Type	PCS			
Year Built/Year Supstr	2003/2003				Lot No.	4			
Bridge or Town Name	MAGRATH				Inspector Name	Jon Davies			
Located Over	SMR - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS B			
Located On	LOCAL ROAD				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	24-Nov-2012			
Legal Land Location	NE SEC 34 TWP 4 RGE 22 W4M				Data Entry By	Kelsey Roberts			
Longitude, Latitude	-112:52:53, 49:20:33				Data Entry Date	03-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	UNDEFINED CMA				Review Date	02-Dec-2012			
Clear Roadway/Skew	7.9 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	15 / 2003 (E)				Dept. Review Date	08-Jan-2013			
Road Classification	RLU-208G-60				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member		
Design Loading:							----> 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. Confirm inventory design loading. Have assumed CS 750 for SC Girder.								
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	20m N				Gas				
Power					Municipal				
Others	Abandoned AB environment gauge equipment at South side curb.				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	T intersection 10m N				
Vertical Alignment			5	5	Road rises to the S and curves				
Roadway Width (m)	7.800				Not thriebeam				
Approach Bump			8	8					
Guardrail (Y/N)	Yes								
Guardrail			8	8					
Length (m)	4.000								
Current Standard (Y/N)	No								
Termination Type	TURNOUT								
Drainage			8	8					
Approach Road General Rating			5	5					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SC, 4 Spans, Lengths(m): 10-10-10-10, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0	0		
Now	0.0	0.0	0.0	0.0		
Wearing Surface			X	X		
(Material Type :)						
(Thickness(mm) :)						
Lateral Connection Problem (Y/N)						
Deck Top			8	8		
Deck Rideability			8	8		
Deck Joints			8	8		
Bump (Y/N)		No				
Deck Drainage			8	8	No Drains	
Drains Clogged (Y/N)		No				
Curbs/Median			8	7		
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			8	8	Some peeling with surface rust on painted posts.	
(Type : FLEX BEAM)						
Bridge Rail Posts			8	8		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			6	6		
(Type : PAINT)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Girders			8	7	Small spall on outside edge of the W curb S-4 from the installation. 8 of 32 girders have hairline D-cracks ar pier faces. No signs of corrosion.	
Last Complete Inspection Date		24-Nov-2012				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		1				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 32)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating			8	7		

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : N)					
(Extended Backwall Piles Spacing(mm) :)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			8	7	
(Type : STEEL)					
(Depth(mm) : 305)					
(Width(mm) : 305)					
Backwalls/Breastwalls			8	7	
Greatest Height (m)		1.30			
Wingwalls			8	7	
(Total Number of Bearing Piles : 6:6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles			8	7	
Paint/Coating			6	7	
Abutment Stability			8	8	
Scour/Erosion			8	8	
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 1:1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			8	7	
(Type : STEEL)					
(Depth(mm) : 350)					
(Width(mm) : 380)					
(Total Number of Bearing Piles : 6:6:6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Pier Shaft/Piles			8	7	
Greatest Height (m)		5.30			
Bracing/Struts/Sheathing			X	X	
Nose Plate			X	X	
Paint/Coating			6	7	
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	Yes			Old piles in channel
Substructure General Rating		8	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)	3.1			No HWM visible
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	8	

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							
Structural Condition Rating (Last/Now) (%)	88.9/77.8	Sufficiency Rating (Last/Now) (%)	92.0/75.6	Est. Repl. Yr	2043	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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	24-Aug-2017		Previous Inspection Date	12-Sep-2007			
Inspection Cycle (Default) (months)	57						
Comment							