

Bridge Inspection										
Bridge File Number	75062 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1974/1974				Lot No.	1				
Bridge or Town Name	SEVEN PERSON				Inspector Name	Tom Carey				
Located Over	SMR - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS A				
Located On	3:16 C1 1.396				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	11-Nov-2011				
Legal Land Location	SW SEC 1 TWP 11 RGE 8 W4M				Data Entry By	Alyssa Boynton				
Longitude, Latitude	-110:58:42, 49:52:24				Data Entry Date	07-Dec-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts				
Contract Main. Area	CMA23				Review Date	21-Nov-2011				
Clear Roadway/Skew	13.7 /				Dept. Reviewer Name	Tim Davies				
AADT/Year	3,430 / 2010 (A)				Dept. Review Date	15-Dec-2011				
Road Classification	RAU-213-130				Follow-Up By					
Detour Length (km)	6									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		----> On Critical Spans ---->Critical Member
Design Loading:	HS25								----> Primary Span	

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

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	Conduit along S. girder				Gas				
Power	Crosses road 8 M west -3 line				Municipal				
Others	Fibre optics at North R/W				Problem (Y/N)		No		
Remarks	Power also runs E-W along north right-of-way - 3line								

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9	Transverse cracks at approaches				
Vertical Alignment			7	7					
Roadway Width (m)			13.400		Not Thriebeam				
Approach Bump			6	6					
Guardrail (Y/N)			Yes						
Guardrail			5	5					
Length (m)			30.000						
Current Standard (Y/N)			No						
Termination Type			TURNED DOWN						
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>VH, 2 Spans, Lengths(m): 6.1-6.1, 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			7	7	Several narrow cracks in ACP between girders Has been chipped sealed over
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	ACP covered buffer angles
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	EXPOSED REBAR @ NE. Plow abrasion on face.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		15			
Bridge Rail			7	7	Missing nuts & washers at SW corner @ 3 POSTS.
(Type : <b>STEEL FLEX BEAM</b> )					
Bridge Rail Posts			3	3	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	2	
<b>Now</b>	0	0	0	2	
Girders			3	3	2 Lift hook pockets in the curb not filled 16 abut drift spalls. 1 pier drift spall.  17 girders with cracks or spalls in webs - 2 of which have spalls or unsounded cracks in both webs at S1G4 and S2G15
Last Complete Inspection Date		11-Nov-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : <b>32</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No		Girders bear on asphaltic fibre board which is all crushed	
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>3</b>	<b>3</b>	

Substructure								
Bridge Component		Last	Now	Explanation of Condition				
<b>Abutments</b>								
(Extended Backwall Piles (Y/N) : <b>N</b> )				Concrete cast at fronts of caps.				
(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			6				6	
(Type : <b>CONCRETE</b> )								
(Depth(mm) : <b>380</b> )								
(Width(mm) : <b>540</b> )								
Backwalls/Breastwalls			X	X				
Greatest Height (m)		1.40						
Wingwalls			6	6				
(Total Number of Bearing Piles : <b>0:0</b> )				Buried				
Piles Detail Ratings								
	N (count)	1 (count)	2 (count)			3 (count)		
<b>Last</b>	10	0	0			0		
<b>Now</b>	10	0	0			0		
Piles			N			N		
Paint/Coating			X			X		
Abutment Stability			6			6		
Scour/Erosion			5			5		
						Caps undermined up to 200mm No fill spilling through		
<b>Piers/Bents</b>								
(Type : <b>PIER-COLUMN</b> )				2 steel piles N & S end-rest are conc. Staining & leaching SE where cap was extended. Also leaching from cracks SW face. Some minor surface spalls.				
(Total Number of Caps/Corbels : <b>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			5				5	
(Type : <b>CONCRETE</b> )								
(Depth(mm) : <b>380</b> )								
(Width(mm) : <b>550</b> )								
(Total Number of Bearing Piles : <b>10</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			5	5				
Greatest Height (m)		2.20						
Bracing/Struts/Sheathing			X	X				
Nose Plate			X	X				
Paint/Coating			4	4				
(Colour Description : <b>BLUE</b> )				Coating below water line on painted piles has failed. Corrosion scaling with pitting at piles above water				
(Colour Code : <b>15182</b> )								

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		5	5	
Scour		N	5	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>5</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				Control gate 70 m d/s (South).
(D/S Direction : <b>S</b> )				
Alignment		9	9	
Bank Stability		8	8	
HWM (m below Top of Curb)	2.0			
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>8</b>	<b>8</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Put on nuts and washers at 3 posts at SW					
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	2012	GROUT LIFT POCKETS-0.01m3 NH.					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>44.4/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>56.0/56.0</b>	Est. Repl. Yr	2018	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	11-Aug-2013		Previous Inspection Date	25-Jun-2010			
Inspection Cycle (Default) (months)	21						
Comment							