

Bridge Inspection													
Bridge File Number	82405 SER-15 Bridge					Form Type	PSR						
Year Built/Year Supstr	2011/2011					Lot No.	3						
Bridge or Town Name	CROWCHILD INTERCHANGE					Inspector Name	Garry Roberts						
Located Over	201:08 R1 6.214;201:08 L1 6.013;HIGHWAY 201:08 PROPOSED RAMP					Inspector Class	BR CLS A						
Located On	HIGHWAY 201:08 PROPOSED RAMP					Assistant Name							
Water Body Cl./Year						Assistant Class							
Navigabil. Cl./Year						Inspection Date	14-Dec-2011						
Legal Land Location	SW SEC 16 TWP 25 RGE 2 W5M					Data Entry By	Erin Roberts						
Longitude, Latitude	-114:13:35, 51:07:50					Data Entry Date	02-Jan-2012						
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey						
Contract Main. Area	DEERFOOT/STONEV					Review Date	21-Dec-2011						
Clear Roadway/Skew	9.3 /					Dept. Reviewer Name	Tim Davies						
AADT/Year						Dept. Review Date	12-Jan-2012						
Road Classification						Follow-Up By							
Detour Length (km)													
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 Vert. Clearance Posting (m)													
Posted Vertical Clearance (Y/N)				Yes									
Posted:	Lane	WB	On Bridge (m)	6.0	In Advance (Y/N)	No	Lane	EB	On Bridge (m)	6.4	In Advance (Y/N)	Yes	
Remarks													
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)		No											
Remarks													
Other Sign Types													
Utilities (Located at)													
Utility Attachments													
Telephone						Gas							
Power	NW of overpass.					Municipal							
Others	Street Lights.					Problem (Y/N)	No						
Remarks													
Approach Road													
				Last	Now	Explanation of Condition							
Horizontal Alignment					6	Curves and grade							
Vertical Alignment					6								
Roadway Width (m)		8.300											
Approach Bump					8								
Guardrail (Y/N)		Yes											
Guardrail					9								
Length (m)		33.000											
Current Standard (Y/N)		Yes											
Termination Type		Attenuator											
Drainage					8								
<b>Approach Road General Rating</b>					<b>6</b>								

Superstructure				
Bridge Component	Last	Now	Explanation of Condition	
(Primary Span : <b>NU, 2 Spans, Lengths(m): 41.4-52, 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>				
<b>Now</b>	0.0	0.0	0.0	0.0
Wearing Surface		9	ACP with waterproofing membrane.	
(Material Type : <b>ACP</b> )				
(Thickness(mm) : <b>90</b> )				
Lateral Connection Problem (Y/N)	No			
Deck Top		N	Paved over.	
Deck Rideability		8		
Deck Joints		8		
Temperature (deg. C)	-9			
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )				
(Fixed Type : )				
Gap Size (mm)	Gap Location			
100	South Abut			
110	North Abut			
Deck Drainage		8		
Drains Clogged (Y/N)	No			
Curbs/Median		9		
(Curb Type : <b>SINGLE SLOPE CONCRETE BARRIER</b> )				
Scaling (Percent Area)	0			
Bridge Rail		X		
(Type : )				
Bridge Rail Posts		X		
(Type : )				
Bridge Rail/Posts Coating		X		
(Type : )				
Sidewalk		X		
<b>Girder Detail Ratings</b>				
	N (count)	1 (count)	2 (count)	3 (count)
<b>Last</b>				
<b>Now</b>	0	0	0	0
Girders		9	No visible cracking.	
Cracking (Y/N)	No			
Spalling (Percent Area)	0			
(Number Of Girders : <b>4</b> )				
Diaphragms/Cross Frame		9		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>NU, 2 Spans, Lengths(m): 41.4-52, A-Ident Number: )</b>				
Bearings			8	Pier is integral.
Temperature (deg. C)	-9			Light corrosion forming at bottoms of bearing plates of both abuts.
(Expansion Type : <b>REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL</b> )				
(Fixed Type : )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside			9	
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>			<b>8</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps			9	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls			9	
Wingwalls			7	Wide diagonal cracks - typical all wings
Piles			N	Buried.
Paint/Coating			8	Pigmented sealer.
Abutment Stability			9	
Scour/Erosion			7	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps			9	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>8</b> )				
Pier Shaft/Piles			9	
Bracing/Struts/Sheathing			X	
Nose Plate			X	
Paint/Coating			8	Pigmented sealer.
(Colour Description : )				
(Colour Code : )				
Pier Stability			9	
Scour			X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>			<b>9</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment			8	
Traffic Safety Features			9	Single slope median barrier.
Type	Barrier			
Slope Protection			9	
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability			7	Erosion mats but no active vegetation.
Drainage			7	
<b>Grade Separation General Rating</b>			<b>7</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Field touchup of bearing plate corrosion.					
OTHER ACTION	2012	Install W/B advance vertical clearance sign.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>/94.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>/76.2</b>	Est. Repl. Yr	2085	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			Previous Assistant's Name				
Next Inspection Date	14-Sep-2013		Previous Inspection Date				
Inspection Cycle (Default) (months)	21						
Comment							