

Bridge Inspection									
Bridge File Number	76128 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1968/1968				Lot No.	2			
Bridge or Town Name	SEBA BEACH				Inspector Name	Wade Nanninga			
Located Over	CNR				Inspector Class	BR CLS A			
Located On	31:02 C1 3.007				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	22-Sep-2011			
Legal Land Location	NW SEC 18 TWP 53 RGE 5 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-114:44:19, 53:34:40				Data Entry Date	25-Oct-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA12				Review Date	25-Oct-2011			
Clear Roadway/Skew	11 / -8 deg. (LHF)				Dept. Reviewer Name	Brent Herrick			
AADT/Year	1,930 / 2010 (A)				Dept. Review Date	26-Oct-2011			
Road Classification	RCU-210-110				Follow-Up By				
Detour Length (km)	32								
Allowable Load (t):	Single	CS1 35 GIRDER	Semi	CS2 49	Train	CS3 63	----> On Critical Spans ---->Critical Member		
Design Loading:	HS20						----> Primary Span		

Posting Information									
Required Vert. Clearance Posting (m)									
Posted Vertical Clearance (Y/N)		No							
Posted:	Lane	WB	On Bridge (m)	In Advance (Y/N)	No	Lane	EB	On Bridge (m)	In Advance (Y/N) No
Remarks	Not required.								
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 required.								
Hazard Marker At Bridge (Y/N)		Yes							
Remarks		Not @ standard location, NW & SE only.							
Other Sign Types		Route.							

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	3 wires 100m East				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			7	7	Residential entrances both directions.				
Vertical Alignment			8	8					
Roadway Width (m)		10.500							
Approach Bump			7	7					
Guardrail (Y/N)		Yes			No thrie beam - poor connection to bridge.				
Guardrail			7	7					
Length (m)		99.000							
Current Standard (Y/N)		No							
Termination Type		Turned Down							
Drainage			6	5	Random cracking on down drains.				
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PM, 3 Spans, Lengths(m): 13.7-15.2-13.7, 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>	100	0	0	0	
<b>Now</b>					
Wearing Surface			N	6	
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>150</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			7	7	
Temperature (deg. C)		20			
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
75		S. abut			
77		N. abut			
Deck Drainage			4	4	
Drains Clogged (Y/N)		No		(Small bird baths in East gutter, S2. 12/June/2006) Rating carried forward based on past comments.	
Curbs/Median			N	4	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		2			
Bridge Rail			4	4	
(Type : <b>GALVANIZED STEEL VERTICAL BAR</b> )					
Bridge Rail Posts			4	4	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			4	4	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Girders			4	4	
Cracking (Y/N)		No		Spall @ NE corner @ abutment S3G13.-photo	
Spalling (Percent Area)		1			
(Number Of Girders : <b>39</b> )					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PM, 3 Spans, Lengths(m): 13.7-15.2-13.7, A-Ident Number: )				
Diaphragms/Cross Frame		X	X	
Bearings		7	7	
Temperature (deg. C)	20			
(Expansion Type : <b>NEOPRENE STRIP BEARING</b> )				
(Fixed Type : <b>NEOPRENE STRIP BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		N	5	Center span stained with train exhaust and some minor water stains between girders.
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>4</b>	<b>4</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		6	6	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		5	5	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		5	5	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		7	7	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>6:6</b> )				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		4	4	5% rusting with some pitting.
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	8	
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>6</b>	<b>6</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		8	8	
Traffic Safety Features		X	X	
Type	NONE			
Slope Protection		N	5	
(Type : <b>NATURAL; NATURAL</b> )				
Bank Stability		6	6	
Drainage		7	7	
<b>Grade Separation General Rating</b>		<b>6</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2011	Replace missing connection bolts & post A/B nuts.					
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	2011	Install missing hm's (NE,SW)					
OTHER ACTION	2011	Install missing bridge rail bolts.					
OTHER ACTION	2011	Install missing AB nuts.					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>55.6/55.6</b>	Est. Repl. Yr	2034	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor spalled girder.		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	Arnold Assenheimer		Previous Assistant's Name	Shane Hall			
Next Inspection Date	22-Jun-2013		Previous Inspection Date	14-Dec-2009			
Inspection Cycle (Default) (months)	21						
Comment							