

Bridge Inspection									
Bridge File Number	73837 W-1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1976/1976				Lot No.	2			
Bridge or Town Name	VALLEYVIEW				Inspector Name	Brian Pientsch			
Located Over	WASKAHIGAN RIVER, 8.10.58.7.31, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	43:08 L1 36.774				Assistant Name	Russel Vanderschaaf			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	28-Nov-2012			
Legal Land Location	SE SEC 35 TWP 66 RGE 22 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-117:12:12, 54:45:09				Data Entry Date	02-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA03				Review Date	19-Dec-2012			
Clear Roadway/Skew	13.4 / 20 deg. (RHF)				Dept. Reviewer Name	David Morrison			
AADT/Year	5,650 / 2011 (A)				Dept. Review Date	18-Mar-2013			
Road Classification	RAU-213.4-120				Follow-Up By				
Detour Length (km)	1								

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	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)	No								
Remarks	Not required								
Other Sign Types	Campground, Waskahigan River, Bridge Ices								

Utilities (Located at)									
Utility Attachments									
Telephone	attached to both rails				Gas				
Power	East side of road - 3 wire				Municipal				
Others	Oil pipeline N row				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Curves N & S				
Vertical Alignment			5	5					
Roadway Width (m)	13.000				Pothole 0.075m D x 0.15m W x 0.4m L West approach-snow covered				
Approach Bump			5	4					
Guardrail (Y/N)	Yes				SE guardrail has 2 damaged posts. -06-May-2009 Insufficient length. Snow covered.				
Guardrail			N	N					
Length (m)	41.800								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			N	N	Windrows under guardrail at S. end. Gullies (200 x 100) at SW & NW.-06-May-2009 Snow covered.				
Approach Road General Rating			5	5					

Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : VF, 2 Spans, Lengths(m): 36.6-36.6, A-Ident Number:)							
Special Features							
Special Feature		5	5				
(Type : SUPERBOLT CONN)							
Special Feature		8	5				
(Type : UNDERSLUNG DIAPHR)							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)	2 (%)	3 (%)	Partly snow covered.		
Last	15	0	0	0			
Now	30.0						
Wearing Surface		4	4	Medium - wide RANDOM CRACKING IN E. lane, medium map crack WG above pier. Wide longitudinal cracks in the center E. lane 10m long starting at abutments.-filled with epoxy.			
(Material Type : CONCRETE)							
(Thickness(mm) : 170)							
Lateral Connection Problem (Y/N)		No					
Deck Top		N	N				
Deck Rideability		7	7				
Deck Joints		3	3	Missing 2 bolts at A2. 07-Mar-2011 Only see 1 missing due to snow.-photo			
Temperature (deg. C)		-15					
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC);ARMOURED GLAND (WABO UNDER FINGER OR SLIDING PLATES))							
(Fixed Type :)							
Gap Size (mm)		Gap Location					
65		S. abut					
78		N. Abut					
Deck Drainage		N	N	150 x 100 spall at N end of E. curb allows moisture to drain into void. -06-May-2009 Snow covered.			
Drains Clogged (Y/N)		No					
Curbs/Median		4	3	Outside faces cracked and spalling at approx. every other post. photo Rust and efflorescence. Spall NE corner.-photo Spall NW span 1 - & G1 over pier 1 span 2.-photo			
(Curb Type : Standard)							
Scaling (Percent Area)		1					
Bridge Rail		7	7	Snow covered. Spall NE corner.-photo Spall NW Span 1 + G1 over P1 S2.-photo			
(Type : GALVANIZED STEEL BRIDGE TUBE)							
Bridge Rail Posts		7	3				
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)							
Bridge Rail/Posts Coating		N	7				
(Type : GALVANIZED)							
Sidewalk		X	X				
Girder Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : VF, 2 Spans, Lengths(m): 36.6-36.6, A-Ident Number:)				
Girders		4	4	S1G1, spall at W end of girder.
Cracking (Y/N)	Yes			
Spalling (Percent Area)	0			
(Number Of Girders : 18)				
Diaphragms/Cross Frame		7	7	
Bearings		7	7	
Temperature (deg. C)	-20			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		N	N	All 4 parapets have 300x300mm spalls.-06-May-2009 Snow covered.
Piles		N	N	
Paint/Coating		N	N	Parging is scaling off parapets.-06-May-2009 Snow covered.
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		6	6	Vertical cracks @ CL both sides. Exposed rebar South side.
(Type : CONCRETE)				
(Total Number of Bearing Piles : 30)				
Pier Shaft/Piles		5	5	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	Parging scaling under G1 south side (200 wide, 100 deep).
(Colour Description :)				G9 over P1.
(Colour Code :)				

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		5	5	
HWM (m below Top of Curb)				HWM not visible
Drift (Y/N)	No			
Slope Protection		7	7	
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2013						
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2013	Replace missing bolts					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Repair guardrail,carried over 06-May-2009					
OTHER ACTION	2013	Repair spalled post/anchorage zones.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	57.5/57.2	Est. Repl. Yr	2047	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	Brian Pientsch		Previous Assistant's Name	Russel Vanderschaaf			
Next Inspection Date	28-Aug-2014		Previous Inspection Date	07-Mar-2011			
Inspection Cycle (Default) (months)	21						
Comment							