

Bridge Inspection											
Bridge File Number	72533 N-2 Bridge				Form Type	PSR					
Year Built/Year Supstr	1991/1991				Lot No.	2					
Bridge or Town Name	GRANUM				Inspector Name	Garry Roberts					
Located Over	WILLOW CREEK, 2.12.25, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	2:08 R1 11.325				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	26-Sep-2011					
Legal Land Location	NW SEC 6 TWP 10 RGE 26 W4M				Data Entry By	Erin Roberts					
Longitude, Latitude	-113:31:26, 49:47:44				Data Entry Date	16-Nov-2011					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey					
Contract Main. Area	CMA26				Review Date	07-Oct-2011					
Clear Roadway/Skew	12.4 / 10 deg. (RHF)				Dept. Reviewer Name	Tim Davies					
AADT/Year	5,100 / 2010 (A)				Dept. Review Date	17-Nov-2011					
Road Classification	RFD-412.4-130				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:	CS750									----> 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.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	CREEK ID								

Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE									
Telephone	East curb unit.				Gas					
Power	3 lines 50 m East.				Municipal					
Others					Problem (Y/N)		No			
Remarks										

Approach Road										
			Last	Now	Explanation of Condition					
Horizontal Alignment			7	7	Hill and intersection at North					
Vertical Alignment			6	6						
Roadway Width (m)	12.600					Minor potholes at South				
Approach Bump			6	5						
Guardrail (Y/N)			Yes							
Guardrail			7	7	Guardail @ South only. Not thriebeam					
Length (m)			99.000							
Current Standard (Y/N)			No							
Termination Type			TURNED DOWN							
Drainage			7	7						
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>CBC, 3 Spans, Lengths(m): 18-30-24, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature					
(Type : )					
Special Feature					
(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			5	5	Isolated transverse cracks. Some ravelling@ outside lane 1.2m wide section all along outside lane repaired.
(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			4	4	2 sheared bolts - one each @ 2nd & 3rd plates from East @ North Abut
Temperature (deg. C)		20			
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC);ARMOURED GLAND (WABO UNDER FINGER OR SLIDING PLATES)</b> )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
75		S. end.			
15		N. end.			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	6	Typical vertical shrinkage flexural cracks along curb as close at 400 mm o.c.  Corrosion spot at exterior at NW from low cover rebar.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			8	7	
(Type : <b>BRIDGE TUBE</b> )					
Bridge Rail Posts			8	7	
(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	0	
<b>Now</b>	0	0	0	0	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CBC, 3 Spans, Lengths(m): 18-30-24, A-Ident Number: )				
Girders		8	8	Typical narrow shrinkage along bond of CIP section over pier-minor. Continuous 9 girder lines.
Cracking (Y/N)	No			
Spalling (Percent Area)	0			
(Number Of Girders : 9)				
Diaphragms/Cross Frame		8	8	
Bearings		8	8	
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		8	8	
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>	<b>8</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		7	7	
Piles		N	N	Buried.
Paint/Coating		5	5	
Abutment Stability		8	8	
Scour/Erosion		8	8	
<b>Piers/Bents</b>				
(Type : PIER-SOLID)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		8	8	
Paint/Coating		5	5	Galvanized with minor corrosion at base.
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	8	
Scour		5	5	Minor scour at U/S end both piers.

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		5	5	Steep cut @ North Pier Cut banks & some sloughing @ d/s at North
HWM (m below Top of Curb)	5.0			No visible HWM
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>6</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	2011	Install 2 bolts @ North joint.- check all others.					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>88.9/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>76.7/75.3</b>	Est. Repl. Yr	2043	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	26-Jun-2013		Previous Inspection Date	23-Jan-2010			
Inspection Cycle (Default) (months)	21						
Comment							