							В	nage l	nspection						
Bridge File Nu		08779 -1 Bridge						Form Type		SG					
Year Built/Yea Supstr	r	1988/1988							Lot No.		2				
Bridge or Town Name GRAND CENTRE					Inspector Name			Wade Nanninga							
Located Over BEAVER RIVER, 7, WATERCR					ст		Inspector Class		BR CLS A						
Located On 28:20 C1 18.025						01		Assistant Name							
	/Vear	20.2		10.025					Assistant Class						
Water Body Cl./Year Navigabil. Cl./Year								Inspection Date			09-Apr-2012				
				2 W/4M			, ,			Lisa Fairhurst					
				2 00 101			Data Entry Date			24-Apr-2012					
Longitude, Latitude-110:12:58, 54:21:19Road AuthorityAlberta Transportation (AIT)				т)						Eric Carcoux					
Contract Main.		CM		anopora		<u>.</u>				eview Date 17-Apr-2012					
Clear Roadwa		15.5							Dept. Reviewer Name						
AADT/Year	y/ORCW			)11 (A)					Dept. Rev		ate	04-May-2	2012		
Road Classific	ation			.8-110					Follow-Up	о Ву					
Detour Length		25	1 .						-						
Allowable Load			CS1	28		Semi	CS	2 49		Trair	CS	3 62	3 62> On Critical S >Critical Memb		cal Spans ⁄Iember
Design Loadin	g:		MS3	00							I			> Primary Span	
J. J	0		I				Ро	sting I	nformatior	1					
Required Load	l Posting	, (t)			Single				Semi				Truc	k Train	
Posted Loading	g (t)				Single				Semi	Semi			Truc	k Train	
Posted:	Lane	1	٨B		At Junc	tion (Y/	N)	No	In Ad	vance	(Y/N)	No	At B	ridge (Y/N)	No
Posted:	Lane	5	SB		At Junc	tion (Y/	N)	No	In Ad	vance	(Y/N)	No	At B	ridge (Y/N)	No
Remarks	Not re	equire	ed.												
Hazard Marke	r At Brid	ge (Y	′/N)	Yes											
Remarks				All loca	ed on fir	st appro	bach	flexbea	am posts. N	lot in li	ne with	rail.			
Other Sign Typ	oes			"Trucks	use low	er gear"	', "Slo	ower tra	affic use rig	ht lane	e", "Bea	aver River	"."slipper	y deck"	
							Uti	lities (	Located at	)					
Utility Attachm	ents T	ELEF	PHON	IE UTILI	LIES-PH	IONE LI	NE								
Telephone	West	r/w.						Gas							
Power	3 wire	es 10	0 m W	/est of c/	1.				Municipal						
Others	WSC	flow	gauge	e on We	st side.				Problem (Y/N) No						
Remarks	Fibre	optic	s cabl	le (North	ern Cab	le Visior	n) Ea	st.							
							/	Approa	ich Road						
						L	ast	Now	Explanation of Condition						
Horizontal Alig	nment						6	6	Curves in	ves in both directions. Limited sight distance to South. In bottom ong sag curve. Passing lane SB.					
Vertical Alignm	nent						6	6	or long se	ig cui v	c. 1 as		<b>JD</b> .		
Roadway Width (m) 15.000						1	"Bump" m	"Bump" markers @ NW & SE corners.							
Approach Burr	•						5	5							
Guardrail (Y/N	)			Yes											date resident eam transitio
Guardrail							7	7	approach	0.1008	i i uau.	55.0m @			
Length (m)				29.200					-						
Current Stan	dard (Y/	′N)		No					-						
Termination	Туре			Turned	Down			1							
Drainage					5	4	Windrows	s under	rails -	photo					
Drainage															

Bridge Com					Last		Explanation of Condition
		ans, Ler	ngths(I	n): 24.3-30.5	-24.3, A	-Ident	Number: A1091-01)
Special Feat							
Special Feature						X	
(Type:)							
Special Feature						X	
(Type : )							
Wearing Surf	ace/Deck Top	Detail F	Ratings				
	N (%)	1 (%)		2 (%)	3 (%)		
Last							
Now	Now 0.0 0.0 0.0			0	.0		
Wearing Sur	ace				6 6		Random cracking.
(Material T	/pe : <b>ACP</b> )						
(Thickness	(mm) : <b>90</b> )						
Deck Top					N	N	
Deck Rideab	ility				5	5	
Deck Joints					4	3	Slapping under traffic North abutment.(Water at South abutment
Temperatu	re (deg. C)	5	5				seat, joint leaks 14Jul10)
(Expansion	Type : ARMO	DURED	GLAN	D (WABO UN	IDER FI	NGER	1 missing bolt @ N cover plate-photo.
(Fixed Type	• ·						
Gap Size (			Gan I	ocation			-
Gap Size (mm)Gap Location73North abutment							
60 South abutment							
Deck Draina	-				6	6	
Drains Clog		r	No				
Curbs/Media					4	4	Curbs have flexual cracks about every metre cracking at posts & coating peling 30%. Post grout pads stained & delaminating 30%.
	: Standard)						Small delam spalls @ curb/ACP interface -
Scaling (Pe	ercent Area)	5	5				Spall outside face at one bridge post on East curbphoto
Bridge Rail					7	7	10% anchor bolts with insufficient thread.
	LVANIZED ST	TEFI B	RIDGE		•		
Bridge Rail P		0		,	4	4	10% grout pad spallingphoto
(Type : GA		OST ST	EEL;G	ALVANIZED			
STEEL) Bridge Rail/Posts Coating					7	7	
	LVANIZED)						
Sidewalk					X	X	
Girder/Beam	Ì						
Cover Plate					X	X	9 girder / span. 5 original, 4 widening.
Flange					8	8	
Web					8	8	Span 2 not accessible. Viewed from banks
Stiffeners					8	8	
Splice					8	8	
Weld					8	8	
	Cross Frame				8	8	
Diaphragms/Cross Frame					0	0	

Alberta Transportation

			Supers	tructure			
Bridge Component		Last		Explanation of Condition			
(Primary Span : WG, 3 Spans,	Lengths(m): 24.	3-30.5-24.3, A	-Ident	Number: A1091-01)			
Paint Condition		7	7	Exterior girder painted - brown.			
(Colour Description : )				Weathering steel.			
(Colour Code : )							
Touchup Required (Y/N)	No						
Bearings		5	8	South abutment bearing under widening seat is out of plumb East-			
Temperature (deg. C) 5				West, no problem.			
(Expansion Type : REINFOR TEFLON AND STAINLESS	CED NEOPRENE STEEL)	BEARING W	/ITH				
(Fixed Type : ROCKER BEA	RING)			Anchor bolt @ G9S1 bent indicating over extended			
Coating Adequate (Y/N)	Yes			Rocker @ P2 only, P1 is Neoprene.			
Functioning (Y/N)	Yes						
Deck Underside		6	6	Narrow tranverse crack West effl. @ NE. Cracks extend from curb			
Stains (Percent Area)	1			cracking into underside			
Span Alignment Problems							
Vertical (Y/N)	No						
Horizontal (Y/N)	No						
Superstructure General Ratin	ng	5	5				
				ructure			
Bridge Component		Last	Now	Explanation of Condition			
Abutments							
Bearing Seats/Caps		4	4	Wide crack @ NW corner-photo.			
(Type : CONCRETE)							
Backwalls/Breastwalls		6	6				
Wingwalls		6	6				
Piles		N	N				
Paint/Coating		4	5				
Abutment Stability		8	8				
Scour/Erosion		5	5				
Piers/Bents							
(Type : <b>PIER-SOLID</b> )				Seat widening at different height than original - typical.			
Bearing Seats/Caps		8	8				
(Type : CONCRETE)							
(Total Number of Bearing Piles	s : 0:0)			narrow map cracking on Pier 1			
Pier Shaft/Piles		8	5				
Bracing/Struts/Sheathing		8	8				
Nose Plate		8	7	Rust on nose plate.			
Paint/Coating		5	5				
(Colour Description : )				biege			
(Colour Code : )				1			
Pier Stability		8	8				
Scour		8	N				
Debris (Y/N)	Yes			Debris built up at P1-photo.			

			Subst	ructure			
Bridge Component			Now	Explanation of Condition			
Substructure General Rating			4				
		S	Structu	re Usage			
			Now	Explanation of Condition			
Channel							
(U/S Direction : W)							
(D/S Direction : E)							
Alignment		8	8				
Bank Stability			8				
HWM (m below Top of Curb)				HWM not visible.			
Drift (Y/N)	Yes						
Slope Protection		8	8	Class II only @ lower half			
(Type : NATURAL; RIP RAP)							
Guidebank/Spurs		Х	X				
Adequacy of Opening			8				
(Fish Compensation Measure 1 :	NONE)						
(Fish Compensation Measure 2 :	NONE)						
Channel General Rating		8	8				

Alberta Transportation

		Maintenance Recommend	lations				
Inspector Recommendations	Year	Inspector Comments	Department Co	mments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2012	Extend anchor bolts where insufficient thread - major rehab; rehab post grout pads.					
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2012	Check, tighten loose coverplate bolts, shim as necessary to stop slapping. Flood joints and check for leakage					
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2012	From P1					
OTHER ACTION	2012	Install hazard markers at correct locations.					
OTHER ACTION	2012	Patch cracked NW abutment seat.					
OTHER ACTION	2012	Remove windrows					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50	0 Sufficiency Rating (Last/Now) (%)	57.7/57.7	Est. Repl. Yr 2043	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Total	0	
Proposed Long-Term Strategy				ľ			
On 3-Year Program (Y/N)							
Proposed Action							

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

08779 -1 Bridge

Previous Inspector's Name	Shane Hall	Previous Assistant's Name	
Next Inspection Date	09-Jan-2014	Previous Inspection Date	14-Jul-2010
Inspection Cycle (Default) (months)	21		
Comment			