Bridge Inspection																
Bridge File Number 81556 W-1 Bridge						~~~~		rm Type			SG					
Year Built/Year 1996/1996								Lot No.			4					
Supstr								Inspector Name			Garry Roberts					
Bridge or Town Name MONARCH								Inspector Class			BR CLS A					
Located Over 23:04 L1 0.408								Assistant Name								
Located On		3:08 L	1 31.086						Assistant Class							
Water Body CI./									Inspection Date			30-Nov-2011				
Navigabil. Cl./Ye									Data Entry By			Anne Roberts				
Legal Land Location SW SEC 4 TWP 10 RGE 23 W4I					23 W4N	′4M			Data Entry Date			09-Jan-2012				
Longitude, Latitude -113:03:56, 49:47:25								Re	Reviewer Name			Joel Wozney				
Road Authority Alberta Transport				ation (AIT)				Re	Review Date			13-Dec-2011				
Contract Main. A		CMA2					Dept. Reviewer Name				Tim Davies					
Clear Roadway/	Skew		65 deg. (RH	IF)				Dept. Review Date			12-Jan-2012					
AADT/Year		· ·	/ 2010 (A)			Follow-Up By			Ву							
Road Classificat			12.4-130					4	-							
Detour Length (k	<u> </u>	1														
Allowable Load (	t):  Sin	igle C	S1 28		Semi	ni CS2 49				Train	CS	3 62		> On Critical March	> On Critical Spans >Critical Member	
Design Loading:		С	S750											> Primary S		
_ co.gco.ug.			0.00			P	osting	nfor	mation					i i i i i i i i i i i i i i i i i i i	<b>J</b>	
Required Vert. C	learan	nce Pos	ting (m)	UNDER	R: 23 L′											
Posted Vertical (	Cleara	nce (Y/I	N)	Yes												
Posted: Lane	NB	On	Bridge (m)		In Adva	ance	(Y/N)	No	No Lane SB On Bridge (m) 5.4					In Advance	(Y/N)	Yes
Remarks	One d	direction	traffic N/B	not req'o	t											
			C. may 19 2 accurate	2010												
Peguired Load F			accurate	Single					Semi				Truc	k Train		
							Semi				Truck Train					
Posted:	Lane	EB		Single At Junction (Y/N)				In Adva	2000 (V	//NI\		At Bridge (Y/N)				
Posted:	Lane				` ,		No		In Adva	•		No		At Bridge (Y/N) No		
Remarks Not Required			ollon (1)	/1 <b>1</b> )	140		III Auve	31100 (1	/11/	INO	At Di	lage (1/14)	110			
Hazard Marker At Bridge (Y/N) No Remarks																
Other Sign Type	<u> </u>		WIND	LISTS	ICY BE	SIDG	E DECI									
Other eight type	0		WIND	,	IO I DI				ited at)							
Utility Attachmer	nts								mora au							
Telephone								Ga	Gas 300m E							
Power									nicipal							
Others							Problem (Y/N) No									
Remarks										, .						
							Appro	ach F	Road							
						Last			Explanation of Condition							
Horizontal Alignr	ment					7	7	Blii	Blind crest to East							
Vertical Alignme	nt					5	5									
Roadway Width	Roadway Width (m) 12.500															
Approach Bump				6	7											
Guardrail (Y/N) Yes						wro	wrong lap at SW									
Guardrail				7	4	No	t thriebe	am								
Length (m)			50.000													
Current Standa	ard (Y/	N)	No													
Termination Ty	/ре		TURND	OWN												
Drainage						6	6									
Approach Road General Rating				5	5											

Superstructure										
Bridge Comp	onent				Last	Now	Explanation of Condition			
(Primary Spa	n : <b>WG, 3 Spa</b>	ns, Lengt	ths(m	n): 35-60-40,	A-Iden	nt Num	ber: A1277-01)			
Special Feat	ures									
Special Featu	ıre					7	dywdag PT @ piers			
(Type:)										
Special Featu	ıre					X				
(Type : )										
Wearing Surfa	Wearing Surface/Deck Top Detail Ratings									
	N (%)	1 (%)		2 (%)	3 (%)					
Last	0	0		0	0					
Now	0.0	0.0		0.0		0.0				
Wearing Surf	ace				6 6		Moderate tranverse and longitudinal cracks			
(Material Ty	pe : <b>CONCRE</b>	ETE)					Some pop outs - Minor			
(Thickness)	(mm) : <b>50</b> )									
Deck Top					Х	N				
Deck Rideabi	lity				8	7				
Deck Joints					7	7	Bangs @ W joint			
	(dee C)	4			/	/	Bangs @ w joint			
Temperatur		-1		AND (MAD	> BA A L L		Finger plate @ W & gland E			
TRANSFLE	Type : <b>FINGE</b> <b>X, ETC)</b> )	RPLAIE	:5;GL	AND (WAB	J-IVIAU	EK,	Finger place w & giano E			
(Fixed Type										
Gap Size (r		G	ap Lo	cation						
60										
75			abut							
							-			
							-			
							-			
Deck Drainag	1e	<u> </u>			7	5	Drainage runs to RH lane			
Drains Clog		No			<u> </u>		Prainage rane to rarriane			
Curbs/Mediar		140			7	7	Transverse cracks & efflorescence			
	: Standard)				,		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			
Scaling (Pe		0								
Bridge Rail	13011171104)	U			8	8				
	DGE TUBE)				J	J	1 bent A/B at NW post			
Bridge Rail P					6	6				
	USIS LVANIZED PC	ST STEE	:1 .6.4	I VANIZED		U	-			
STEEL)	LVANIZED PC		.L,G <i>F</i>	LV AINIZED						
Bridge Rail/P	osts Coating				8	7				
(Type:)										
Sidewalk					Х	X				
Girder/Beam										
Cover Plate	)				X	X				
Flange					8	8				
Web					8	8				
Stiffeners					8	8				
Splice					8	8				
Weld					8	8				
Diaphragms/0	Cross Frame				8	8				

			Supers	tructure
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 3 Spans, L	engths(m): 35-60-40,	A-Iden	t Numb	per: A1277-01)
Paint Condition		X	X	Weathering Steel
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings		6	6	
Temperature (deg. C)	-1			Bolts bent 50mm Girders 25mm to north @ east abut bearings
(Expansion Type : REINFORC TEFLON AND STAINLESS ST	ED NEOPRENE BEAR ΓΕΕL)	RING W	/ITH	Exp. at Abutments
(Fixed Type : POT BEARING)	·			
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	Wide spread transverse cracks &
Stains (Percent Area)	5			efflorescence
Span Alignment Problems	,			
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	5	
Superstructure General Nathing		3	,	
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	8	
Wingwalls		7	7	
Piles		N	N	Buried
Paint/Coating		Х	Х	
Abutment Stability		8	8	
Scour/Erosion		Х	Х	
Piers/Bents				
(Type : <b>PIER-SOLID</b> )				
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		Х	Х	
Paint/Coating		7	7	Pigmented sealer
(Colour Description : )		,		
(Colour Code : )				
Pier Stability		8	8	
Tiel Glability		0		
Scour		Х	X	
Debris (Y/N)	No			

Substructure										
Bridge Component		Last	Now	Explanation of Condition						
Substructure General Rating		8	8							
			1							
Structure Usage										
		Last	Now	Explanation of Condition						
Grade Separation										
Road Alignment			5	Curve						
Traffic Safety Features			7							
Туре	GUARDRAIL									
Slope Protection			6	Away 50mm and down 20mm @ E. Away 10mm @ W						
(Type : CONCRETE; CONCRE	ETE)									
Bank Stability			7							
Drainage		7	7							
Grade Separation General Ration	ng	5	5							

			Maintenance Re	commend	lations					
Inspector Recommendations	,	Year	Inspector Comments		Department Comi		Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL										
GALVANIZE/PAINT BRIDGE RAIL										
RETROFIT BRIDGE RAIL										
SEAL CURBS										
PATCH DECK										
SEAL DECK										
OVERLAY DECK										
REPAIR/REPLACE DECK JOINTS										
RESET/ PAINT BEARINGS										
REPAINT SUPERSTRUCTURE										
STRAIGHTEN/REPLACE MEMBERS										
WASHING										
SHOTCRETE REPAIRS										
REPAIR ABUTMENT SCOUR/EROSI	ON									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No. (%)	ow) 7	72.2/72.:	.2 Sufficiency Rating (Last/N	t/Now) 64.1/64.0		Est. Repl. Yr	. Yr 2061 Maint		qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		F	Estimated Total	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Garry R	oberts		Previous /	vious Assistant's Name					
Next Inspection Date 30-Aug		-2013		Previous I	ous Inspection Date 19-May-2010					
Inspection Cycle (Default) (months) 21										
Comment										