							Ві	ridge Ir	spection							
Bridge File Number 73637 -1 Bridge							_ J	Form Type			PSR					
Year Built/Year 1987/1987							Lot No.			3						
Supstr									Inspector Name			Tom Carey				
Bridge or Town Name CARMAN									Inspector Class			BR CLS A				
Located Over LITTLE BOV				OW RIVER, 2.12.12, WATERCRS-				Assistant Name								
Located On		23:0)4 C1 4	41.356					Assistant Class							
Water Body Cl./	Year								Inspection Date			18-Feb-201	3			
Navigabil. Cl./Ye	ear								Data Entry			Anne Robe				
Legal Land Loca	ation	NW	SEC 3	31 TWP	13 RGE	23 W4N	1		Data Entry Date			17-Mar-2013				
Longitude, Latitu	ıde	-113	3:08:13	3, 50:07:	:54				Reviewer Name				Garry Roberts			
Road Authority		Albe	erta Tra	ansporta	ation (AIT)			Review Da			03-Mar-201				
Contract Main. A	Area	CMA	A25						Dept. Rev							
Clear Roadway/	Skew	13.1	/ -25	deg. (LH	HF)				Dept. Rev		te	25-Mar-201	3			
AADT/Year			20 / 20						Follow-Up	Ву						
Road Classificat		RLU	J-208G	G-90					_							
Detour Length (I	ĺ	6	l		Т					I	1_					
Allowable Load	(t): Sir	ngle	CS1 2	28		Semi	CS	2 49		Train	C	S3 62		> On Critical Spans> Critical Member		
Design Loading:	Design Loading: MS3			00										> Primary Span		
Pooligh Loudning.						Pos	sting Ir	nformation					,	'		
Required Load Posting (t)				Single				Semi				Truc	k Train			
Posted Loading	Posted Loading (t)			Single					Semi				Truc	k Train		
Posted:	Lane NB			At Junction (ion (Y/N)	No	In Adv	ance (Y/N)		No	At B	ridge (Y/N)	No	
Posted:	Lane	5	SB At Junction (ion (Y/N) I	No	In Advance (Y/N)		No	At B	ridge (Y/N)	No		
Remarks	Remarks Not required															
Hazard Marker At Bridge (Y/N) No																
Remarks																
Other Sign Type	:S			Curve s	igns Rive	er ID										
							Util	lities (L	ocated at)							
Utility Attachmer		. ,														
Telephone			st r/w.						Gas							
Power Others	3 WIFE	es 201	es 20m South.						Municipal Problem (\//NI\	No					
Remarks									Problem (1/IN)	110					
Remarks								hnroa	ch Road							
						La	st	Now	Explanati	on of C	Cond	ition				
Horizontal Alignment				6 6				Curves at both ends down to bridge.								
Vertical Alignment							6	6								
Roadway Width (m)				14.200					Ravelling at SW							
Approach Bump							7	6		Š						
Guardrail (Y/N)				Yes						ower bolts missing @ bridge rail connection at North Ea			East and North			
Guardrail						4	4	West. 5 bolts mis								
Length (m)			90.000					Not thrieb	Not thriebeam.							
Current Standard (Y/N)				No												
Termination Ty	уре			TURNE	D DOWN	1										
Drainage							7	7								
Approach Road	d Gene	eral R	Ratina				6	6								
			9													

						Supers	tructure
Bridge Com	ponent					Now	Explanation of Condition
	an : DBT, 1 S p	ans, Len	aths	(m): 42, A-lde			
Special Fea		·		<u> </u>			
Special Feature							
(Type:)							
Special Feat	ture						
(Type:)							
	face/Deck Ton	Detail Ra	atings	<u> </u>			
vvcaning our	ring Surface/Deck Top Detail Ratings N (%) 1 (%) 2 (%)				3 (%)		
Last	0	0			1	0	
Now	0.0	0.0		0.0	0.0		
	0.0 0.0					Transporter available 2 m avarage anaign. Mast anaign acalling has	
Wearing Sur					6	4	Transverse cracks @ 2 m average spacing. Most open - sealing has deteriorated.
	ype : ACP)						Ravelling at shoulders.
	s(mm) : 90)						
Lateral Conr (Y/N)	nection Probler	m No					
Deck Top	Deck Top				N	N	
Deck Rideability					7	7	
Deck Joints					7	7	
Temperatu	ıre (deg. C)	-4					
(Expansion	n Type : ARM (OURED G	LAN	D (WABO UN	DER F	INGER	
	NG PLATES))						
(Fixed Typ SLIDING F	e : ARMOURE PLATES))	ED GLAN	D (W	ABO UNDER	FINGE	R OR	
Gap Size ((mm)		Gap L	ocation			
25		١	North				
40		5	South				
Deck Draina					8	8	
	gged (Y/N)	No)				
Curbs/Media					6 6		Minor break @ NE. Vertical 0.3 to 0.4 mm wide cracks @ curb exteriors @ A/B's &
	e : Standard)						through curbs.
Scaling (P	ercent Area)	0					
Bridge Rail	Bridge Rail				5 5		Missing 10 splice bolts
(Type : GALVANIZED STEEL BRIDGE TUBE)							6 A/B nuts with insufficient thread
Bridge Rail Posts					4 4		
(Type: GALVANIZED POST STEEL; GALVANIZED F					POST		5% corrosion @ base plate & grout spalls @ pads - 20%
Bridge Rail/Posts Coating					5	5	
(Type : GALVANIZED)							1
Sidewalk					Х	Х	
Girder Detail	I Ratings						
					3 (cou	unt)	
Last	0	0		0		0	
Now	0	0		0		0	
					-		

			Supers	structure
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : DBT, 1 Spans,	∟engths(m): 42, A-lde	nt Nun	nber:)	
Girders		4	4	Typical 0.1mm - 0.2mm wide end block cracks. Some @ 0.1mm wide
Cracking (Y/N)	Yes			cracks extend into narrow web section - minor. Girders sag 10mm.
Spalling (Percent Area)	0			Shadio dag rommi
(Number Of Girders : 12)				
Diaphragms/Cross Frame		8	8	
Bearings		8	8	
Temperature (deg. C)	-4			Expansion is @ south
(Expansion Type: REINFORC TEFLON AND STAINLESS ST	ED NEOPRENE BEAF ΓΕΕL)	RING W	/ITH	- Expansion is & South
(Fixed Type : REINFORCED P	AD BEARING)			
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
Caperon actars Concra Rannig				
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		7	7	
Piles		N	N	
Deint/Coeting		V		
Paint/Coating		X	5	
Abutment Stability		8	8	
Scour/Erosion		7	7	
Piers/Bents		<u>'</u>		
(Type:)				
Bearing Seats/Caps		Х	Х	
(Type:)				
(Total Number of Bearing Piles :)			
Pier Shaft/Piles		X	Х	
Bracing/Struts/Sheathing		Х	Х	
Nose Plate		X	Х	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		Х	X	
Scour		X	Х	

			Subst	ructure				
Bridge Component I		Last Now		Explanation of Condition				
Debris (Y/N)	ris (Y/N) No							
Substructure General Rating			8					
		5	Structu	re Usage				
		Last	Now	Explanation of Condition				
Channel								
(U/S Direction : W)								
(D/S Direction : E)			_					
Alignment			7					
Bank Stability			7					
HWM (m below Top of Curb)	VM (m below Top of Curb)			No visible HWM				
Drift (Y/N)	No							
Slope Protection		8	8					
(Type : CONCRETE; CONCR	ETE)							
Guidebank/Spurs		8	8					
Adequacy of Opening			8					
(Fish Compensation Measure 1	: NONE)							
(Fish Compensation Measure 2	: NONE)							
Channel General Rating								

73637 -1 Bridge

		Mainter	nance Recommenda	tions					
Inspector Recommendations	Year	Inspector Comments		Department Commo	Target Year	Est. Cost	Cat #		
REPAIR/REPLACE BRIDGE RAIL	2014	Replace 10 splice bolts							
GALVANIZE/PAINT BRIDGE RAIL									
SEAL CURBS									
PATCH DECK									
SEAL DECK	2014	Seal transverse cracks.							
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS									
RESET/ PAINT BEARINGS									
WASHING									
SHOTCRETE REPAIRS									
REPAIR ABUTMENT SCOUR/EROSIC	N								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION	2014	Install lower bolts @ guardr 16mm c/w nuts & washers > North end.	ail / bridge rail 2 @ k 50mm long. At						
OTHER ACTION	2014	Install gaurdrail turn down b	olts 16 to 20.						
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No (%)	w) 66.7/66	Sufficiency Ratin	g (Last/Now) 60	0.3/60.2	Est. Repl. Yr	2041	Maint. Red	ıd. (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 Tom C			Previous As	Previous Assistant's Name					
	18-Nov-2014		Previous In	spection Date	18-May-2011				
·	18-Nov-2014 21		Previous In	spection Date	18-May-2011				