							E	Bridge I	nspe	ction								
Bridge File Num	idge File Number 77426 -1 Bridge								Form Type		PSR							
Year Built/Year	/1975						Lot No.				2							
Supstr	Bridge or Town Name CARSTA					OTA IDO						Inspector Name			Owen Salava			
							Inspector Class			BR CLS A								
				9.712;2:20 L1 9.712					Assistant Name									
Located On 581:02 C				1 4.877					Assistant Class									
Water Body Cl./Year									Inspection Date			11-Mar-2013						
Navigabil. Cl./Year				40 TMD 00 DOE 4 MEN						Data Entry By			Marcia Chavez					
				13 TWP 30 RGE 1 W5M					Data Entry Date			27-Mar-2013						
Longitude, Latitude -114:01:3									Reviewer Name			John O'Brien						
				ransportation (AIT)						Review Date			17-Mar-2013	3				
Contract Main. A		CMA								Dept. Reviewer Name			Chris Black					
Clear Roadway/	Skew	10.1	·						Dep	ot. Revie	ew Da	te	28-Mar-2013	3				
AADT/Year			/ 2011 (A)	I (A)					Fol	low-Up	Ву							
Road Classificat			J-209-110															
Detour Length (k	<u> </u>	11					. _				_							
Allowable Load (t): Sin	igle	CS1 28	28 Ser			i C	S2 49			Train	CS	S3 62		> On Critical Spans >Critical Member			
Design Loading:			HS25												> Primary Span			
							P	osting I	nforr	nation					, i i i i i i i i i i i i i i i i i i i	opa		
Required Vert. C	learan	ice Po	osting (m)		UNDE	R: 2 L1		n, 2 R1 5										
Posted Vertical (Yes			,										
	NB		On Bridge				ance	(Y/N)	Yes	Yes Lane SB C		On Bridge (m) 5.5		In Advance (Y/N) Yes				
Remarks				\ 		-		(-)					3-(/			(')		
Required Load F	ostina	(t)			Single					Semi			Truck Train					
Posted Loading		. ()		Single					Semi			Truck Train						
Posted:	Lane	F	 В	At Junction (ction (Y/N) No		In Advance (Y/N)		No	At Bridge (Y/N) No		No				
Posted:	Lane	_	VB		At Junction (Y/N			No		In Advance (Y/N)		No	At Bridge (Y/N) No					
Remarks Not required.				1	· ,				(- J - (·)					
Hazard Marker A																		
Remarks	3 () ,																	
Other Sign Type	 S			offormation, Route.														
o mor origin Type					,		Ut	tilities (Loca	ted at)								
Utility Attachmer	nts																	
Telephone		west	ditches.						Gas									
Power			rth 200m.							- nicipal								
Others									Problem (Y/N) No									
Remarks																		
								Approa	ich R	load								
							Last		Explanation of Condition									
Horizontal Alignr	ment						7	7	Lim	ited sig	ht dist	ance	with ramp jct.	all 4	corners.			
Vertical Alignme	nt						5	5										
Roadway Width (m) 11.000																		
Approach Bump					5	5												
Guardrail (Y/N) Yes							Sm	all tear	in one	section	on @ SW jus	t off br	idge - photo.					
Guardrail						4	5											
			5.600															
Current Standard (Y/N) No								Not thrie beam transition.										
Termination Type Turn Down			wn				Troct time beam transition.											
Drainage	21						5	5										
Approach Road	l Gene	ral R	ating				5	5										

						Supers	structure					
Bridge Com	ponent						Explanation of Condition					
	an : VF, 2 Spar	ns. Lena	ths(n	1): 36.6-36.6.			· •					
Special Feat		,		.,	1 10.01							
Special Feat					9	9						
·	T LATER POS	ST TENS	١			1 3						
		JI ILNO,	<i>)</i>		9	9						
Special Feat	IDERSLUNG D	NA DUD			9	9						
Wearing Sur	face/Deck Top		atings		0 (0()							
	N (%)	1 (%)		2 (%)	3 (%)							
Last	0	0		0		0						
Now	10.0	0.0)	0.0		0.0						
Wearing Sur	face				5	5	Narrow longit.crack in EBL of both spans 4.3m from S gutter, line					
(Material T	ype : CONCRE	ETE)					over grout key. Intermittent longit. crack in other areas of deck.					
(Thickness	s(mm) : 50)											
Lateral Conn (Y/N)	nection Problen	n Ye	es									
Deck Top					N	N						
Deck Rideab	pility				8	8						
Deck Joints					8	7	E abut finger plates.					
	ıre (deg. C)	0					Finger plate at E abut plumbing good, (leaks through curb cover					
	n Type : GLAN		O-MA	UER. TRANS	FLEX.		plate at NE). Chips to EBL paving lip at A2.					
ETC);FING	GER PLATES)					'	omporto EBE parmig iip at / E.					
(Fixed Typ	e:)											
Gap Size (mm)	(Gap L	ocation								
70		\	Nest	- A1 - Gland -	Ехр							
73		(Cente	r - P1 - Gland	- Exp							
95				A2 - Finger -	•							
				<u>_</u>								
							-					
							-					
Deck Draina	ae a				7	7	Drains extended.					
	gged (Y/N)	No			1	1	Diamo extenueu.					
		110	J			-	Cooley position on autoids for a					
Curbs/Media					8	7	Sealer peeling on outside face.					
	e : Standard)											
	ercent Area)	0										
Bridge Rail					8	8						
(Type : GA	LVANIZED ST	TEEL BR	IDGE	TUBE)			Several posts with less than full nut engagement at bases.					
Bridge Rail F	Posts				6	6						
(Type : GA	LVANIZED PO	OST STE	EL;G	ALVANIZED	POST							
ŠŤĖEL)												
	Posts Coating				8	8						
(Type : GA	LVANIZED)											
Sidewalk					X	X						
Girder Detail	Ratings											
N (count) 1 (count) 2 (count)						unt)						
Last	0	0		0		0						
Now	0	0		0		0						
Girders				-	4	4	Marked and dated @ SW & SE, S2G1 - photo.					
Cracking (Y/N)	Ye	20		7	7	Corrosion stain & medium width crack @ NW exterior.					
	·		<i>-</i> 3				Efflorescence @ weep drains & corrosion stains. Typical VF girder cracks @ chamfers & lower 1/2 of webs. S1G7 has HLD chip above SBL.					
	Percent Area)	0										
(Number Of Girders : 14)												

			Supers	tructure					
Bridge Component		Last		Explanation of Condition					
(Primary Span : VF, 2 Spans, Lo	engths(m): 36.6-36.6,	A-Iden							
Diaphragms/Cross Frame		6	6	Vertical cracks in 25% @ diaphragms.					
Daning			-	O					
Bearings Temperature (deg. C)	0	5	5	Some bearings were not cast horizontal at construction causing uneven bearing/pressure on pads causing deformation - photo.					
Temperature (deg. C) (Expansion Type : REINFORC			/ITU						
TEFLON AND STAINLESS S	reel)	VIIVO VI	71111						
(Fixed Type : REINFORCED N	EOPRENE BEARING	WITH							
TEFLON AND STAINLESS ST	Yes	NG)							
Functioning (Y/N) Deck Underside	162	6	6	Chamfer cracks are medium width.					
	1	0	0	Chamler cracks are medium width.					
Stains (Percent Area)	<u> I</u>								
Span Alignment Problems Vertical (Y/N)	No								
	No								
Horizontal (Y/N)			4						
Superstructure General Rating		4	4						
			Subst	ructure					
Bridge Component		Last	Now	Explanation of Condition					
Abutments									
Bearing Seats/Caps		6	6						
(Type : CONCRETE)									
Backwalls/Breastwalls		8	8						
Wingwalls		8	7	Vertical crack at NE wingwall.					
- Tringwalle			<u> </u>	Voluda diadik at 142 Willigwall.					
Piles		N	N						
Paint/Coating		4	4	Peeling/scaling.					
FairivCoating		4	4	reemig/scamig.					
Abutment Stability		8	8						
0//		1	1	One of common desires with consists to below					
Scour/Erosion		4	4	Gap at corner drains with erosion below.					
Piers/Bents									
(Type : PIER-SOLID)									
Bearing Seats/Caps		8	8						
(Type : CONCRETE)									
(Total Number of Bearing Piles :	0)			Piles are buried.					
Pier Shaft/Piles		7	7						
Bracing/Struts/Sheathing		X	X						
Nose Plate		Х	Х						
Paint/Coating		8	8						
(Colour Description :)				1					
(Colour Code :)									
Pier Stability		9	9						
Scour		X	X						
Debris (Y/N)	No								
Substructure General Rating		6	6						
Case actar Constant Running									

Structure Usage										
		Last	Now	Explanation of Condition						
Grade Separation										
Road Alignment			9							
Traffic Safety Features		9	9							
Туре	Guardrail		_							
Slope Protection		4	4	Slope has settled 50mm @ top - photo; out 80mm at A2, 50mm at A1						
(Type : CONCRETE; CONCRE	TE)			Bulging at base of both hslps.						
Bank Stability		4	4	Erosion @ NE embankment beside drain trough - photo. Void under trough.						
Drainage		7	7							
Grade Separation General Ration	ng	4	4							

					Maintenance Re	commend	lations					
Inspector Recomm	Inspector Recommendations				or Comments		Department Com	ments		Target Year	Est. Cost	Cat #
REPAIR/REPLAC	E BRIDGE RAIL											
GALVANIZE/PAINT BRIDGE RAIL												
SEAL CURBS												
PATCH DECK												
SEAL DECK												
OVERLAY DECK												
REPAIR/REPLACE DECK JOINTS												
RESET/ PAINT BEARINGS												
WASHING												
SHOTCRETE REPAIRS												
REPAIR ABUTME	ENT SCOUR/EROSI	ON										
PLACE ADDITION	NAL RIP RAP											
REMOVE DRIFT	ACCUMULATION											
OTHER ACTION												
OTHER ACTION			2013	Seal or I	ine trough at NE.							
OTHER ACTION			2013	Seal gap	o at top of concrete slope pro ulled away.	otection						
OTHER ACTION			2013	Reseal	curb/wingwall sealer where p	eeled.						
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)			55.6/55.	.6	Sufficiency Rating (Last/N	Now)	51.6/51.2	Est. Repl. Yr	2039	Maint. Re	qd. (Y/N)	Yes
Special Monitor girder cracks & beautiful Comments for Next Inspection			aring defo	ormation -	no action required.		Department Comments			,		
Maintenance Reviewed By							Date		E	stimated Total	0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Ower		Owen S	Salava			Previous Assistant's Name						
Next Inspection D		11-Dec				Previous Inspection Date 10-Aug-2011						
Inspection Cycle (Default) (months) 21						. 1011040	10.149 20.1					

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

77426 -1 Bridge

Comment