						:	Bridge li	nspe	ction							
Bridge File Num	ber	09219 E-	·1 Bridge				Ŭ		т Туре			PSR				
Year Built/Year		1967/196	67					Lot	Lot No.		2					
Supstr									Inspector Name			Wade Nanninga				
Bridge or Town	Name			TUD 0 5 6				Inspector Class			BR CLS A					
Located Over		6.65.27,		STURGEO CRS-ST	N KIV	avek,			Assistant Name							
Located On		16:12 R1							Assistant Class							
Water Body Cl./	Year								Inspection Date			10-Aug-2012				
Navigabil. Cl./Year							Data Entry By			Lisa Fairhurst						
Legal Land Location SE SEC 19 TWP 53 RGE 6 W5M				W5M	М			Data Entry Date			24-Aug-2012					
Longitude, Latitude -114:51:44, 53:35:18								viewer N	lame			Eric Carcoux				
Road Authority Alberta Transportation (AIT))				Review Date			21-Aug-2012					
Contract Main. Area CMA12								Dept. Reviewer Name								
Clear Roadway/	Skew	13.8 /							t. Revie		е	30-Aug-2012	2			
AADT/Year		7,890 / 2	011 (A)						Follow-Up By							
Road Classificat	ion	RAD-412	2.4-120													
Detour Length (I	km)	1														
Allowable Load	Allowable Load (t): Single CS1 44 Sem			Semi			Train		Train		S3 73		> On Critical Spans			
Design Loading:		HS2	DER			GIRDER					GII	RDER		>Critical Member > Primary Span		
Design Loading.		ПОД	.0			Ρí	osting l	nforn	nation					> Plimary	Span	
Required Load F	Postino	ı (t)		Single					Semi				Truc	k Train		
Posted Loading (t)				Single					Semi				Truck Train			
Posted:	Lane	EB		At Junction	on (Y/N	1)	No			ance (\	//N)	No		t Bridge (Y/N) No		
Posted:	Lane	WB		At Junction					In Adva					idge (Y/N)		
Remarks		equired.				,				(· ,			<u> </u>		
Hazard Marker			Yes													
Remarks		<u> </u>	West er	nd only.												
Other Sign Type	es		Informa	tion, "Stur	geon F	Rive	r". Miss	ing br	ridge pla	aque fr	om N	IE.				
						Ut	ilities (l	Locat	ted at)							
Utility Attachmer	nts															
Telephone	South	r/w.						Gas	3							
Power	4 wire	es North r/	w.						Municipal							
Others	Stree	t lights at i	ntersection	on to East				Prol	blem (Y	/N)	No					
Remarks																
							Approa									
Llevine v t-1 Ali					L	ast		-	Explanation of Condition Jct S757 to East.							
Horizontal Align						6	6	JCt	3/5/ t0	∟ast.						
Vertical Alignme			11 900			7	7									
Roadway Width Approach Bump	` '		11.800			7	7									
Guardrail (Y/N)			Yes				/	Inci	ıfficiont	noete	not t	hria haam tro	neition	One hont of	ection @ SW -	
Guardrail (17/N)			162			4	4	pho	to. First	splice	Wes	t of SW corne	er mis	sing splice bo	lts - photo.	
Length (m)			49.400			_	-	TD	end at N	۱W & s	SW· t	erminal end a	at NF	& SE		
Current Stand	ard (Y	/N)	No						 u t 1	🗴 (- · · , ·	iai ona t				
Termination Ty	•	11)		own/Bulb I	End											
Drainage	,,,,		, and be	, 5010 1		4	4	Cracks in down drain troughs.								
Approach Road	d Gene	eral Ratin	g			6	6									

					Supers	tructure
Bridge Comp	onent					Explanation of Condition
(Primary Spa	n : PMO, 3 S p	ans, Lengths	(m): 10.7-13.	7-10.7,	A-Iden	t Number:)
Special Feat	ures					
Special Featu	ıre				X	
(Type:)						
Special Featu	ıre				X	
(Type:)						
Wearing Surfa	ace/Deck Top	Detail Ratings	}			
	N (%)	1 (%)	2 (%)	3 (%)		
Last						
Now	0.0	0.0	0.0	C	0.0	
COAT)	/pe : CONCRI	ETE - CONVE	NTIONAL CH	7 IP SEA	7 L	
(Thickness)						
(Y/N)	ection Problen	n No				
Deck Top				N	N	
Deck Rideabi	lity			7	7	
Deck Joints				N	N	Paved over. Leaking evident staining backwall/seat, typical both
Temperatur	re (deg. C)	25				abutments.
(Expansion	Type :)					
(Fixed Type	: ASPHALTI	C FIBRE BOA	ARD)			
Gap Size (r	nm)	Gap L	ocation			
Deck Drainag	je			4	4	Leaking between girders @ S1G15/G16; S2G14/G15; S2G15/G16 &
Drains Clog	ged (Y/N)	No				S3G15/G16. NW deck drain is eroding headslope - photo. S3G2 water leaking onto abut.
Curbs/Mediar	า			5	5	Curb tops cracked over piers. Rebar exposed ext South end P2,
(Curb Type	: Standard)					shallow cover.
Scaling (Pe	rcent Area)	5				
Bridge Rail				7	7	Double layer with added TT blocking.
(Type : GA	LVANIZED ST	TEEL FLEX BI	EAM)			
Bridge Rail P	osts			7	7	
(Type : GAI STEEL)	LVANIZED PO	OST STEEL;G	ALVANIZED	POST		Original post A/Bs rusting.
Bridge Rail/P	osts Coating			5	5	
(Type : GA l	LVANIZED)					
Sidewalk				Х	Х	
Girder Detail	Ratings					
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last						
Now	0	0	0		0	
Girders				5	5	Rust spots on several girders near ends not associated with strand
Cracking (Y	′/N)	Yes				corrosion. Staining between G15/G16 S3, G14/G15/G16 S2, G14/G15/G16 S1. Hairline transverse cracking G15 c/l, 300mm o/c.
	ercent Area)	0				G1SP1 25mm void along fence
(Number Of C						

			Supers	tructure					
Bridge Component		Last		Explanation of Condition					
(Primary Span : PMO, 3 Spans,	Lengths(m): 10.7-13.7	7-10.7,							
Diaphragms/Cross Frame		Х	X						
			-						
Bearings		5	5	Neoprene strip all spans.					
Temperature (deg. C)	25								
(Expansion Type : NEOPREN	E STRIP BEARING)								
(Fixed Type :)									
Coating Adequate (Y/N)	Yes								
Functioning (Y/N) Yes									
Deck Underside			5	Small hole in girder U/S, S3G9.					
Stains (Percent Area) 0									
Span Alignment Problems									
Vertical (Y/N)	No								
Horizontal (Y/N)	No								
Superstructure General Rating	oi .	5	5						
	,								
				ructure					
Bridge Component		Last	Now	Explanation of Condition					
Abutments									
Bearing Seats/Caps		7	7	Bridge plaque fallen off NE.					
(Type : CONCRETE)									
Backwalls/Breastwalls		6	6	Backwall covered by girders.					
Wingwallo		6	6						
Wingwalls		0	0						
Piles		N	N						
		-	-						
Paint/Coating		X	4	Stained from leaking joints, typical.					
Abutment Stability		8	8						
Abdiment Stability		0	0						
Scour/Erosion		4	4	Both headslopes settled 100mm. 300mm wide x 200mm deep					
				erosion scar originating from NW deck drain.					
Piers/Bents									
(Type : PIER-COLUMN)				Minor scaling at ends.					
Bearing Seats/Caps		6	6	will of scaling at erius.					
(Type : CONCRETE)		0	0						
· • • • • • • • • • • • • • • • • • • •	0.0\								
(Total Number of Bearing Piles : Pier Shaft/Piles	0.0)	7	7						
		7	7						
Bracing/Struts/Sheathing		X	X						
Nose Plate		X	Х						
Paint/Coating		5	5	Paint is chalky. Corrosion at ground line with scaling rust.					
(Colour Description :)				Blue.					
(Colour Code :)									
Pier Stability		8	8						
Scour		7	7						
Debris (Y/N)	No								
Substructure General Rating		6	6						
				I.					

		5	Structu	re Usage					
		Last	Now	Explanation of Condition					
Channel									
(U/S Direction : S)									
(D/S Direction: N)									
Alignment		7	7						
Bank Stability			5	Vertical cut bank @ SE caused by flow impact. Not affecting bridge.					
HWM (m below Top of Curb)				Not visible.					
Drift (Y/N)	Yes								
Slope Protection		6	6	Concrete bags.					
(Type : CONCRETE; CONCRE	ETE)								
Guidebank/Spurs		Х	X						
Adequacy of Opening			8						
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		6	6						

Bridge Inspection & Maintenance System (Web 2005)

09219 E-1 Bridge

				Ma	aintenance R	ecommend	ations						
Inspector Recommendations	Yea	r I	Inspector	r Comments			Department Co	mmen	nts		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													
RESET/ PAINT BEARINGS													
WASHING													
SHOTCRETE REPAIRS													
REPAIR ABUTMENT SCOUR/EROSIC	N												
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
OTHER ACTION	2012	2 I	Install mis	ssing splice b	oolts @ SW g	uardrail.							
OTHER ACTION	2012	Determine cause for leaking between girder repair.				en girders &							
OTHER ACTION	2012	2 F	Replace ı	missing bridg	ge plaque @ N	IE wingwall.							
OTHER ACTION													
OTHER ACTION Structural Condition Rating (Last/No. (%)	ow) 61.1	/61.1		Sufficiency (%)	Rating (Last	/Now) 6	8.8/68.7	Es	t. Repl. Yr	2023	Maint. Red	qd. (Y/N)	Yes
Structural Condition Rating (Last/No	pw) 61.1	/61.1		Sufficiency (%)	Rating (Last	/Now) 6	Department Comments	Es	t. Repl. Yr	2023	Maint. Red	qd. (Y/N)	Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection	pw) 61.1	/61.1		Sufficiency (%)	Rating (Last	/Now) 6	Department Comments	Es	t. Repl. Yr		Maint. Red		Yes
Structural Condition Rating (Last/No. (%) Special Comments for	ow) 61.1	/61.1		Sufficiency (%)	Rating (Last	/Now) 6	Department	Es	t. Repl. Yr				Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By	ow) 61.1	/61.1		Sufficiency (%)	Rating (Last	/Now) 6	Department Comments	Es	t. Repl. Yr				Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy	ow) 61.1	/61.1		Sufficiency (%)	Rating (Last	/Now) 6	Department Comments	Es	t. Repl. Yr				Yes
Structural Condition Rating (Last/Not (%)) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N)	ow) 61.1			Sufficiency (%)	Rating (Last		Department Comments		t. Repl. Yr				Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action		6		Sufficiency (%)	Rating (Last	Previous A	Department Comments Date		t. Repl. Yr				Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name	Kris Bosters	6		Sufficiency (%)	Rating (Last	Previous A	Department Comments Date Assistant's Name						Yes