							E	Bridge I	nspec	ction						
Bridge File Num	ber	08435	5 E-1	Bridge				_ ĭ		n Type			CON			
Year Built/Year 1956/1956				Lot No.					2							
Supstr						Inspector Name			Shane Hall							
Bridge or Town Name HINTON								Insp	Inspector Class		BR CLS A					
Located Over		MASK ST	KUTA	TA CREEK, 8.11.141, W.				RCRS-	Assi	Assistant Name						
Located On		16:02	R1 1	19.979					Assi	Assistant Class						
Water Body Cl./	Year	.0.02							Insp	ection D	ate		06-Jul-2012			
Navigabil. Cl./Ye									Data Entry By Theresa Lacus			custa				
Legal Land Loca		NW S	SEC 3	31 TWP	50 RGE	25 W5	Data			Data Entry Date		21-Aug-2012	2			
Longitude, Latitu				), 53:21:					Revi	iewer Na	ame		Eric Carcou	X		
Road Authority					ation (AIT	)			Revi	iew Date	9		20-Aug-2012	2		
Contract Main. A	Area	CMA1		•		,			Dep	t. Revie	wer Na	ame	Brent Herric	k		
Clear Roadway/	Skew	13.4 /	,						Dep	t. Revie	w Date	Э	22-Aug-2012	2		
AADT/Year		5,880	/ 20	11 (A)					Follo	ow-Up B	У					
Road Classificat	tion	RAD-		` '												
Detour Length (I	km)	1														
Allowable Load	(t): Sir	igle C	CS1 2	28		Semi	C	S2 49		Т	rain	CS	CS3 62		> On Critical Spans	
															>Critical Member	
Design Loading:			HS20						,						> Primary	Span
Doguired Load [	Dooting	(4)			Cinale		P	osting l		Semi				Turre	. Tue in	
Required Load F Posted Loading		(1)			Single									Truck Train Truck Train		
Posted:	Lane	EE			Single At Junct	ion (V/	/N.I.\	No		Semi In Advaı	noo (V	//NI)	No			No
						•									ridge (Y/N)	
Remarks	Posted: Lane WB At Junction (Y/N) No In Advance (Y/N) No At Bridge (Y/N) No Remarks Not required.						INU									
Hazard Marker				Yes												
Remarks	AL DITU	ge (171			NW & SV	M corp	orc									
Other Sign Type	,e			Informat		V COIII	G13.									
Other olgh Type	,5			moma			Ut	ilities (l	Locat	ed at)						
Utility Attachme	nts T	ELEPH	HONE	E UTILIT	TIES-PHO	ONE L		, , , , , , , , , , , , , , , , , , ,		ou u.,						
Telephone	T .			h exterio					Gas	Gas West 6			end			
Power					O/H We	st end			Municipal							
Others										Problem (Y/N) No						
Remarks										•						
								Approa	ach Ro	oad						
						L	_ast	Now	Expl	lanation	of Co	ondi	tion			
Horizontal Align	ment						6	6	Priva	ate acce	sses a	at ea	ch end of brid	dge. Ir	bottom of sa	ıg, limited
Vertical Alignme	nt						6	6	sign	ustano	:e 10 V	vest,	crest curve b	oun e	nus.	
Roadway Width	(m)			13.200												
Approach Bump							5	5	$\perp$							
Guardrail (Y/N)				Yes					Insu	fficient le	ength,	no a	additional pos	ts, mi	ssing 8 conne	ection bolts to
Guardrail							3	3	_ `		•		split posts @		•	
Length (m)				12.000						W & SW thrie bea		tern	ninal end @ N	VE & S	SE.	
Current Stand	•	N)		No					INOL	unie Dec	AIII.					
Termination T	уре			Turned	Down											
Drainage							4	4	Windrow under guard-rail @ SW. Rebar protruding between ACP & drain trough @ NE cornerphoto				ornerphoto			
Approach Road	d Gene	ral Ra	ting				6	6								·

				,	Supers	tructure				
Bridge Componen	nt					Explanation of Condition				
(Primary Span : CT		s, Lengths(	m): 12.8-18.3-			-				
Special Features										
Special Feature				6 6		Galvanized HSS with 2 - 20 dia plate tie rods SP @ 300 o/c. Tie rod				
(SType : EXT SH	EAR STII	RRUP)				galvanizing deteriorating 75% on exterior locations; superficial rust.				
Special Feature		•			Х					
(Type:)										
Wearing Surface/De	eck Top D	Detail Rating	<u></u> js							
N (%)		1 (%)	2 (%)	3 (%)						
Last	0	0	0		0					
Now										
Wearing Surface			<u>'</u>	6	6	Chipseal over 50mm asphalt.				
(Material Type : A	ACP - CO	NVFNTION	AL CHIP SEAL			omposal ever commit aspiraliti				
(Thickness(mm) :			, <u>, , , , , , , , , , , , , , , , , , </u>	- 00/(	' /					
Deck Top	. 00)			N	N					
Веск гор				IN .	11					
Deck Rideability				7	7					
Deck Joints				6	6					
Temperature (dec	n. C)	17								
(Expansion Type	·		AUER. TRANS	FLEX.	ETC))					
(Fixed Type : GL/		•	·		•					
Gap Size (mm)	(117		Location	., ,	,,					
63			- expansion							
68			t - expansion							
Deck Drainage		11.00	<u> </u>	5	5					
Drains Clogged (	Y/N)	No								
Curbs/Median	1714)	110		3	3	everal delams/spalls in North curb on inside and outside face.				
(Curb Type : Star	ndard)			<u> </u>	3	(photos). Spalls under S curb Sp2 & SP3.				
Scaling (Percent		3								
Bridge Rail	rticaj			6	6	Double laver.				
(Type : GALVANI	IZEN STE	EI EI EY I	REAM)	0	0	Rusty anchor bolts, 2 sheared A/Bs on South railing, welded to base				
Bridge Rail Posts	IZED 31E		DEAIVI)	3	3	(photo). Weld broken at 2 caps on South posts (photos).				
(Type : GALVANI	IZED POS	ST STEEL;	GALVANIZED		<u> </u>					
STEEL)	`ooting			6	6					
Bridge Rail/Posts C				0	0					
(Type : GALVANI	IZED)									
Sidewalk				X	X					
Girders				4	3	G3 SP1 - Narrow crack with spalling adjacent to bearing @ A1				
						photo				
						Narrow flexural cracks @ all girders. Narrow, medium cracks @ G1,G4 & G6 East near bearing.				
						Water damage, scaling and severe effloresence at G6 A2photo				
Diaphragms/Cross	Frame			4	4	Diaphragms have medium scaling with vertical cracks over piers.				
						Exposed rebar & spall @ pier 2 between G2/G3. 4/5 have cracking and/or 2 spalling wuth exposed rebar @ A1photo @ G2/3, 5/5 @				
						AZ.				
Regrings				4	3	60 mm overhang @ A1_60mm @ A2				
Bearings	~ C)	47		4	3	60 mm overhang @ A1. 60mm @ A2. Outer abutment bearings have rust coating and are pitted. Severe				
Temperature (deg	·	17	OCKED DE 45	INIO)		corrosion @ G1Ephoto				
(Expansion Type			OCKER BEAR	ing)		Bearing at G3A1 may be ceased causing cracking in girder.				
(Fixed Type : PIN		1								
Coating Adequate		No								
Functioning (Y/N) No										

		· ·	Supers	tructure				
Bridge Component			Now	Explanation of Condition				
(Primary Span : CT, 3 Spans, Le	ngths(m): 12.8-18.3-1	2.8, A-	Ident N	lumber: )				
Deck Underside Stains (Percent Area)	2	4 4		Random transverse cracks and efflorescence throughout. Two localized wide longitudinal cracks in Span 2; with efflorescence stain, rust stains staining between G5/6 at AZphoto Exposed rebar, rust and water stains staining between G5/6 at AZphoto Popout in SP2 between G4/G5photo				
Span Alignment Problems								
Vertical (Y/N)	No							
Horizontal (Y/N)	No							
Superstructure General Rating		4	3					
			Subst	ructure				
Bridge Component		Last	Now	Explanation of Condition				
Abutments		Last	ITOW	Explanation of condition				
Bearing Seats		6	6					
Backwalls/Breastwalls		6	6					
Wingwalls		6	6					
Piles		N	N					
Paint/Coating		4	4	Scaling.				
Abutment Stability		7	7					
Scour/Erosion		5	5					
Piers/Bents								
(Type : PIER-SOLID)								
Bearing Seats/Caps		7	7					
(Type : CONCRETE)								
Pier Shaft/Piles		6	5	Wide vertical cracks P1 under G2 and at CL P2.				
Nose Plate		X	X					
Paint/Coating		5	5	Concrete grey.				
(Colour Description : )								
(Colour Code : )								
Pier Stability		8	8					
Scour		5	5					
Debris (Y/N)	No							
Substructure General Rating		6	5					
		S	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel								
(U/S Direction : S)								
(D/S Direction : N)								
Alignment		7	7					
Bank Stability		7	7					
HWM (m below Top of Curb)				HWM not visible.				
Drift (Y/N)	No							

Structure Usage										
	Last	Now	Explanation of Condition							
Slope Protection	5	5	Concrete bags.							
(Type : RIP RAP; CONCRETE)			Existing timber piling @ E & W headslopes. Class 2 rock riprap along West bank & West pier.							
Guidebank/Spurs	X	X								
Adequacy of Opening	7	7								
(Fish Compensation Measure 1 : NONE)										
(Fish Compensation Measure 2 : NONE)										
Channel General Rating	5	5								

Bridge Inspection & Maintenance System (Web 2005)

08435 E-1 Bridge

				Maintenance R	Recommend	lations						
Inspector Recom	mendations	Year	Inspe	ector Comments		Department Cor	mment	S		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL		2013	Instal field v	I missing SE transition connectiveld 2 loose metal caps @ So	ction bolts; outh posts.							
GALVANIZE/PAINT BRIDGE RAIL												
RETROFIT BRID	GE RAIL											
SEAL CURBS												
PATCH DECK												
SEAL DECK												
<b>OVERLAY DECK</b>												
REPAIR/REPLACE DECK JOINTS												
RESET/ PAINT E	BEARINGS											
WASHING												
SHOTCRETE RE	PAIRS											
REPAIR ABUTM	ENT SCOUR/EROSI	ON										
PLACE ADDITIO	NAL RIP RAP											
REMOVE DRIFT	ACCUMULATION											
OTHER ACTION		2013	Instal	I missing guardrail splice bolts	s @ SE.							
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION		2013	Repla	ace 5 split guardrail posts @ S	SW.							
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Cond	ition Rating (Last/N	ow) 55.6	44.4	Sufficiency Rating (Last	t/Now)	61.2/56.5	Est.	Repl. Yr	2045	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor tie-rod plati Monitor bearings, g	ng deteriorati irder cracks a	on on ext nd deck u	erior faces. Inderside (@SP3 between G5	n/6.)	Department Comments						
Maintenance Reviewed By									I	Estimated Total	0	
Proposed Long-T	erm Strategy											
On 3-Year Progra	am (Y/N)											
Proposed Action												
Previous Inspect	Previous Inspector's Name Eric		(		Previous	Assistant's Name	,					

Bridge Inspection & Maintenance System (Web 2005)

Alberta Transportation

08435 E-	1 Bridge
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Next Inspection Date	06-Apr-2014	Previous Inspection Date	15-Sep-2010
Inspection Cycle (Default) (months)	21		
Comment			