						-	Bridge I	nspe	oction						
Bridge File Numb	er	82405 F	2-16 Brid	qe		•	andge l		Form Type			PSR			
Year Built/Year		2011/2011								2					
Supstr										– Dave Lam					
Bridge or Town Name CROWCHILD INTERCHAN			ANGE			· · · · · · · · · · · · · · · · · · ·		BR CLS A							
Located Over RAMP 2692-2 F							Assistant Name								
Located On 1A:07 R1 2.686							sistant (
Water Body CI./Year										22 Nov 2011					
Navigabil. Cl./Year										23-Nov-2011					
			C 16 TWP	16 TWP 25 RGE 2 W5M						Garry Roberts					
Longitude, Latitude -114:13:32			:32. 51:07					Data Entry Date			09-Jan-2012				
				ransportation (AIT)				Reviewer Name			Garry Roberts				
Contract Main. Ar	rea		INED CM						view Da			07-Dec-2011			
Clear Roadway/S			2 deg. (RH						pt. Revi			Tim Davies			
AADT/Year		10.07 1	2 009. (11						pt. Revi		te	12-Jan-2012			
Road Classification	n							Fol	low-Up	Ву					
	-	1						-							
Detour Length (kr Allowable Load (t	<u> </u>		1 28		Semi	0	52 49			Train	00	3 62			ical Spana
	<i>j</i> . Sin	gie CS	1 20		Sem		52 49			Train		3 62		> On Critical Spans >Critical Member	
Design Loading:		CL	800											> Primary	/ Span
						Po	osting I	nforr	mation						
Required Vert. Cl	earan	ce Posti	ng (m)												
Posted Vertical C	learar	nce (Y/N)	Yes											
Posted: Lane I	NB	On E	Bridge (m)	5.5	In Adv	ance	(Y/N)	Yes	Lane	SB	0	n Bridge (m)	1	n Advanc	e (Y/N)
Remarks	5.99 n	n measu	red cleara	nce at lo	owest p	oint (SE corn	ier) o	on roadv	vay					
Required Load Posting (t)			Single				Semi			Truck Train		rain			
Posted Loading (t)			Single					Semi	i			Truck Train			
Posted: Lane WB			At Junction (Y/N)		′/N)			In Adv	ance (Y/N)		At Bridge (Y/N)			
	Lane			At Junction (Y/N)					In Adv				At Bridge (Y/N)		
Remarks Not required			<u> </u>	- /			-		/			- (- /			
Hazard Marker At		· · · · · · · · · · · · · · · · · · ·	No												
Remarks Not requ			uired												
Other Sign Types															
ether eight types						Ut	ilities (I	Loca	ted at)						
Utility Attachment	ts														
Telephone								Ga	s						
Power								Municipal							
	liaht	standard	۹						Problem (Y/N) No						
Remarks	grit a		~												
							Approa	ch F	Road						
						Last			Explanation of Condition						
Horizontal Alignm	nent						8	r							
Vertical Alignmen							7	1							
Roadway Width (m) 16.600					1	Wir	he cracl	(at en	d of \^	/est approach	slah				
	,		10.000				5						5.00.		
Approach Bump					5	En	and AC	P cott	lomon	t around posts	e at Q\A/				
Guardrail (Y/N) Yes				4	99.	0 m at \$	SW; 15	5.2 m a	at SE. NĖ and	d NW ha	as continu				
Guardrail					4	and	d concre	ete bar	riers.	Continuous ra	adius at	SW end o	only.		
Length (m)	rd () (//		99.000					-							
Current Standa		IN)	Yes					-							
Termination Typ	pe		Termina	ai			-	-							
Drainage							8								
Approach Road	Gene	ral Rati	าต				7	1							
	20110	. a. rtati	-9												

Superstru							tructure	
Bridge Component		Last	Now	Explanation of Condition				
(Primary Spa	n : NU, 1 Spa r	ns, Le	ngths(n	n): 35, A-Iden	t Numb			
Special Feat	ures							
Special Featu	ire					X	LRT bridge between E/B and W/B structures.	
(Type :)								
Special Featu	ire					Х		
(Type :)								
Wearing Surfa	ace/Deck Top	Detail	Ratings	6				
	N (%)	1 (%)						
Last								
Now	ow 0.0 0.0 0.0			0	.0			
Wearing Surf	ace					9		
(Material Ty	/pe : ACP)							
(Thickness((mm) : 90)							
Lateral Conne (Y/N)	ection Problem	ו	No					
Deck Top		·				N		
Deck Rideabi	lity					9		
Deck Joints						9	Type 1 at both abuts. (semi integral).	
Temperatur	e (deg. C)							
(Expansion	Type :)							
(Fixed Type	e:)							
Gap Size (r	nm)		Gap L	ocation				
Deck Drainag	le					7	No deck drains except at SE corner under ACP. PVC drain should	
Drains Clog	ged (Y/N)		No				be extended to slope protection swale.	
Curbs/Mediar						9		
	: SINGLE SL	OPE C	ONCRE	ETE BARRIEF	()			
Scaling (Pe			0					
Bridge Rail			-			Х		
(Type :)					1			
Bridge Rail P	osts					х	Pigmented sealer at exterior, clear sealer at inside face.	
(Type :)								
Bridge Rail/P	osts Coating					X		
(Type :)	- ste souting							
Sidewalk						X		
Girder Detail Ratings								
	N (count)	1 (co	unt)	2 (count)	3 (count)			
Last								
Now	0		0	0	(0		
Girders		1				5	Small spall at inside face of G7 near west abut. 1st diaphragm.	
Cracking (Y			No					
Spalling (Pe			0					
(Number Of C	(Number Of Girders : 7)							
Diaphragms/Cross Frame						9		

				tructure					
Bridge Component		Last		Explanation of Condition					
(Primary Span : NU, 1 Spans	, Lengths(m): 35, A-Ide	nt Num	ber:)						
Bearings			5	Integral abut structure; bearings used primarily to erect girders.					
Temperature (deg. C)	-2			Some girder sole plates are bearing on A/B steel sleeves with no gap between top of sleeve and sole plate. Similar to structure #17 - refer					
(Expansion Type : REINFO	RCED PAD BEARING)			to photos.					
(Fixed Type :)									
Coating Adequate (Y/N)	Yes								
Functioning (Y/N)	Yes								
Deck Underside			8						
Stains (Percent Area)	0								
Span Alignment Problems									
Vertical (Y/N)	No								
Horizontal (Y/N)	No			1					
Superstructure General Rat			5						
			5						
			Subst	ructure					
Bridge Component		Last	Now	Explanation of Condition					
Abutments									
Bearing Seats/Caps			9	_					
(Type : CONCRETE)									
Backwalls/Breastwalls			5	Some efflorescence staining present (photo). Local honeycomb and poor joint consolidation (photo).					
Wingwalls			9						
Piles			N						
Paint/Coating			9	Pigmented sealer					
Abutment Stability			9						
Scour/Erosion			9						
Piers/Bents									
(Type:)									
Bearing Seats/Caps			X						
(Type:)									
(Total Number of Bearing Pile	es:)								
Pier Shaft/Piles			X						
Bracing/Struts/Sheathing			Х						
Nose Plate			Х						
Paint/Coating			X						
(Colour Description :)									
(Colour Code :)									
Pier Stability			X						
Scour			Х						
Debris (Y/N)	No								
Substructure General Ratin	a		9						

		St	tructu	re Usage
	La	ast	Now	Explanation of Condition
Grade Separation				
Road Alignment			4	"Ramp 30 kph" sign posted in advance
Traffic Safety Features			Ν	Unable to confirm if lighting is working at this time - daylight.
Туре	Lighting			
Slope Protection			9	
(Type : CONCRETE; CONCRE	ETE)			
Bank Stability			9	
Drainage			6	No swale at west shoulder - designer advised "as-built" is adequate. Minor ponding at existing gutter at toe of slope protection transition (photo).
Grade Separation General Rati	ng		4	

Alberta Transportation

		Maintenance Recommen	dations					
Inspector Recommendations	Year	Inspector Comments	Department Cor	nments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2012	Repair settlement around SW approach rail posts.						
GALVANIZE/PAINT BRIDGE RAIL								
SEAL CURBS								
PATCH DECK								
SEAL DECK		Seal crack at end of east approach slab/acp.						
OVERLAY DECK								
REPAIR/REPLACE DECK JOINTS								
RESET/ PAINT BEARINGS								
WASHING	2012							
SHOTCRETE REPAIRS								
REPAIR ABUTMENT SCOUR/EROSION	2012	Top up fill at top edge of SW slope protection to prevent future erosion and undermining.						
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
OTHER ACTION	2012	Remove small pile of dirt at SW slope protection						
OTHER ACTION	2012	Extend deck drain at SE corner onto slope protection trough.						
OTHER ACTION	2012	Patch honeycomb and poor cold joint consolidation at west backwall.						
OTHER ACTION	2012	Patch spall in G7 inside face near west abut.						
OTHER ACTION	2012	Secure loose screen at SE corner of slope protection for abut drain.						
OTHER ACTION	2012	Repair failed acp at SW. Complete defeciencies previously identified under Contract 7835/09						
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/Now) (%)	/77.8	Sufficiency Rating (Last/Now) (%)	/66.6	Est. Repl. Yr	2086	Maint. Red	qd. (Y/N)	Yes
Special All proposed repairs and o warranty expiration date unaction Next Inspection		es should be completed prior to Contract tract 7835/09.	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		Previous Assistant's Name
Next Inspection Date	23-Aug-2013	Previous Inspection Date
Inspection Cycle (Default) (months)	21	
Comment		