Bridge Inspection

Vast Buil/Year   1880/1980	Bridge File Num	-1 Bridge	Bridge						)		CON								
Bridge or Town Name				980						No.			4	4					
DEERFOOT TRAIL   See   Assistant Name   Deat   Assistant Name   Deat   Assistant Name   Deat   Assistant Name   Deat	<u>.</u>							pector N	Name		Garry Rober	Garry Roberts							
Located Over	Bridge or Town I	GARY - HERITAGE DRIVE OVER						pector (	Class		BR CLS A	-							
Located On   10234:02 C1 0.098						24 589				sistant N	Name								
Mayabil Ciryear									Assistant Class										
Navigabil. CL/Year   Lagat Entry By   Lauren Korte		Year	.020.						Inspection Date				23-Jan-2013	23-Jan-2013					
Legal Land Location   NE SEC 26 TWP 23 RGE 1 W5M   Park Name   Two Carey   Review Name   Review Name   Two Carey   Review Date   29-Jan-2013   Review Date   21-Feb-2013   Review Date   21-Feb-2013	•								Dat				Lauren Korte	)					
Longitude, Latitude			NE SE	-C 26 TWP	23 RGF 1 W5M					ta Entry	Date		11-Feb-2013	11-Feb-2013					
Review Date   29-Jan-2013   DETAIL Transportation (AIT)   DETAIL Transportation   Detail Trans											Name		Tom Carey						
Contract Main. Area   DEERFOOT/STONEY   Dept. Review Date   21-Feb-2013											ite		29-Jan-2013						
Clear Roadway/Skew   16.8 / AADT/Year   18,959 / 2003 (E)   18,9		Area		•							ewer l	Nam	e Tim Davies						
AADT/Year   18,959 / 2003 (E)   Follow-Up By   Fo					J1/J1 OINE I						ew Da	ate	21-Feb-2013	3					
Road Classification				9 / 2003 (E)					Fol	low-Up	Ву								
Detour Length (km)   6		ion																	
Allowable Load (t):   Single   CS1 28																			
Design Loading:	-	<u> </u>	gle C	S1 28		Semi	C	S2 49			Train	С	S3 62						
Posting Information	Design Loading:		Н	IS25															
Required   Vert. Clearance   Posting (m)   Vince   Vertical   Clearance   Vince   Vi							Po	osting I	nforr	nation									
Posted   Vertical Clearance (Y/N)	Required Vert. C	Clearan	ce Pos	sting (m)	UNDEF	R: 2 L1													
Remarks   Required Load Posting (t)   Single   Semi   Truck Train   Posted Loading (t)   Single   Semi   Truck Train   Posted: Lane   EB   At Junction (Y/N)   In Advance (Y/N)   At Bridge (Y/N)   Posted: Lane   WB   At Junction (Y/N)   In Advance (Y/N)   At Bridge (Y/N)   Remarks   Not required.	Posted Vertical (	Clearar	nce (Y/	N)	Yes														
Required Load Posting (t)   Single   Semi   Truck Train	Posted: Lane	NB	On	Bridge (m)	5.4	In Adva	nce	(Y/N)	No	No Lane SB			On Bridge (m)	6.0	In Advance	(Y/N)	No		
Posted Loading (t)   Single   Semi   Truck Train	Remarks																		
Posted:   Lane   EB	Required Load F	Posting	(t)		Single					Semi				Trucl	k Train				
Posted:   Lane   WB	Posted Loading	(t)			- J					Semi				Trucl	k Train				
Posted:   Lane   WB	Posted:	Lane	EB	}				/N)		In Advance (Y/N)		At Br		ridge (Y/N)					
Remarks	Posted:	Lane	WE	At Junction (			Y/N)					<u> </u>							
Command																			
Command	Hazard Marker A	At Bridg	ge (Y/N	l) No															
Utility Attachments   TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE   Telephone   In area.   Gas   Power   South ROW.   Municipal   Others   Light standards.   Problem (Y/N)   No    Remarks   Approach Road   Last   Now   Explanation of Condition   Horizontal Alignment   7   7   Vertical Alignment   5   5   Guardrail (Y/N)   Yes   Guardrail (Y/N)   Yes   Guardrail (Y/N)   No   Termination Type   TURNDOWN    In area.   Gas   Municipal   Municipal																			
Utility Attachments TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE  Telephone In area. Gas Power South ROW. Municipal Others Light standards. Problem (Y/N) No  Remarks  Approach Road Last Now Explanation of Condition  Horizontal Alignment 7 7 7 B2152 Vertical Alignment 5 5 5  Roadway Width (m) 16.800 ACP 20mm low @ both approaches.  Approach Bump 5 5 5  Guardrail (Y/N) Yes  Guardrail (Y/N) 9.000 Current Standard (Y/N) No  Termination Type TURNDOWN	Other Sign Type	:S		Lane er	nds 400r	n attach	ned t	o SE ex	terio	r.									
Telephone							Ut	ilities (	Loca	ted at)									
Power   South ROW.   Municipal   Problem (Y/N)   No	Utility Attachmer	nts Ti	ELEPH	IONE UTILI	TIES-PH	IONE L	INE;	POWE	R UT	ILITIES	-POW	VER I	INE						
Others         Light standards.         Problem (Y/N)         No           Remarks           Approach Road           Last Now Explanation of Condition           Horizontal Alignment         7         7         B2152 On crest curve.           Vertical Alignment         5         5         ACP 20mm low @ both approaches.           Roadway Width (m)         16.800         ACP 20mm low @ both approaches.           Approach Bump         5         5           Guardrail (Y/N)         Yes         Not thriebeam.           Guardrail         9.000         Not thriebeam.           Current Standard (Y/N)         No         No           Termination Type         TURNDOWN         TURNDOWN	Telephone	In area	a.						Gas	S									
Approach Road   Last   Now   Explanation of Condition	Power	South	ROW.						Mu	nicipal									
Now   Explanation of Condition	Others	Light s	standa	rds.					Pro	blem (\	//N)	No							
Horizontal Alignment	Remarks																		
Horizontal Alignment 7 7 7 Vertical Alignment 5 5 5  Roadway Width (m) 16.800 ACP 20mm low @ both approaches.  Approach Bump 5 5 5  Guardrail (Y/N) Yes  Guardrail 6 6  Length (m) 9.000  Current Standard (Y/N) No  Termination Type TURNDOWN																			
Vertical Alignment  5 5 On crest curve.  Roadway Width (m) 16.800 Approach Bump 5 5 Guardrail (Y/N) Yes Guardrail 6 6 Length (m) 9.000 Current Standard (Y/N) No Termination Type TURNDOWN						I					on of	Cond	lition						
Roadway Width (m) 16.800 ACP 20mm low @ both approaches.  Approach Bump 5 5  Guardrail (Y/N) Yes  Guardrail 6 6  Length (m) 9.000  Current Standard (Y/N) No  Termination Type TURNDOWN											urve								
Approach Bump         5         5           Guardrail (Y/N)         Yes         Not thriebeam.           Guardrail         6         6           Length (m)         9.000         Current Standard (Y/N)         No           Termination Type         TURNDOWN	Vertical Alignme	nt					5	5		01631 0	uive.								
Approach Bump         5         5           Guardrail (Y/N)         Yes         Not thriebeam.           Guardrail         6         6           Length (m)         9.000         Current Standard (Y/N)         No           Termination Type         TURNDOWN																			
Approach Bump         5         5           Guardrail (Y/N)         Yes         Not thriebeam.           Guardrail         6         6           Length (m)         9.000         Current Standard (Y/N)         No           Termination Type         TURNDOWN	Roadway Width (m) 16 800							AC	ACP 20mm low @ hot			oth approaches							
Guardrail (Y/N)  Guardrail  Length (m)  Current Standard (Y/N)  Termination Type  Yes  6 6  6  Not thriebeam.					J.000		5	5	The Zominiow & Doin approaches.										
Guardrail 6 6  Length (m) 9.000  Current Standard (Y/N) No  Termination Type TURNDOWN				Yes															
Length (m) 9.000  Current Standard (Y/N) No  Termination Type TURNDOWN					103			6	Not	thriebe	eam.								
Current Standard (Y/N) No Termination Type TURNDOWN				9.000	9.000				1										
Termination Type TURNDOWN	<u> </u>	ard (Y/l	N)																
		`	,																
					1DOVVIA			7											

					Ap <u>pro</u> a	ch Road					
				Last	Now	Explanation of Condition					
Approach Road General Rating					5						
					2						
Bridge Com	nonont					Explanation of Condition					
		ns Lenaths/i	n): 31-34, A-k								
Special Feat		iis, Lenguis(i	11). 31-34, A-10	Jent NC	illiber.						
Special Feat					7	Sign @ South exterior of parapet @ East span over N/B lane.					
(Type:)	<u></u>				,	organ & Count Oxionor or parapor & East opan over 14/2 lane.					
Special Feat	ıre				Х						
(Type:)											
	ace/Deck Top	Detail Rating	<u> </u>								
Trouming Cum	N (%)	1 (%)	2 (%)	3 (%)							
Last	0	0	0		0						
Now	30.0	0.0	0.0		0.0						
Wearing Surf	_			7	7	Medium width crack at pier and at East.					
	pe : CONCRE	ETE)				and an analysis and an accompany					
(Thickness	-										
Deck Top	. , ,			N	N						
	500K 10P										
Deck Rideability					7						
Deck Joints					7	At abuts only.					
Temperatu	re (deg. C)	-13									
(Expansion	Type : GLAN	D (WABO-MA	UER, TRANS	FLEX,	ETC))						
(Fixed Type	e:)										
Gap Size (ı	Gap Size (mm) Gap Location										
70		E abu	ıt								
80 W abut											
Deck Drainag	ge			7	7	No drains.					
Drains Clo	gged (Y/N)	No									
Curbs/Media	n			5	5	Isolated areas of cracks & corrosion stains.					
(Curb Type	: JERSEY/F	SHAPE)				40% snow covered.					
Scaling (Pe	ercent Area)	2									
Bridge Rail				7	7	On top of continuous jersey barrier @ North only.					
(Type : GA	LVANIZED ST	TEEL BRIDGE	E TUBE)								
Bridge Rail P				7	7						
(Type : GA STEEL)	LVANIZED PO	OST STEEL;	SALVANIZED	POST							
Bridge Rail/P	osts Coating			7	7						
(Type : <b>GA</b>	LVANIZED)										
Sidewalk				6	6	Narrow map cracks. No pedestrian rail.					
Girders				5	5	Medium width longitudinal and vertical cracks at ends.					
Diaphragms/	Cross Frame			5	5	Medium & wide cracks @ end diaphragms.					
Bearings				5	5	2nd bearings @ both abuts have					
Temperatu	re (deg. C)	-13		5	<u> </u>	damaged teflon guides but still functional.					
	Type : <b>POT B</b>					integral @ pier 10% corrosion at East abut.					
(Fixed Type											
	equate (Y/N)	Yes									
Functioning		Yes									
	, . , ,	. 55									

			Supers	tructure
Bridge Component		Last		Explanation of Condition
(Primary Span : CB, 2 Spans, L	engths(m): 31-34, A-Ic	dent Nu		
Deck Underside		7	7	Med width crack @ sides & undersides of girders.
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			Glass plate crack guage glued in place at Sp.2-G2 South Side, not broken-crack not active. Others have fallen off.
Horizontal (Y/N)	No			broken-crack not active. Others have fallen off.
Superstructure General Rating		5	5	
•				
				ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments		7	7	
Bearing Seats		7	7	
Backwalls/Breastwalls		5	5	2m² delam. at West under Wouth bearing- not affecting bearing.
Wingwalls		6	6	
Piles		N	N	Buried.
Paint/Coating		5	5	
Abutment Stability		8	8	
Scour/Erosion		Х	Х	
Piers/Bents				
(Type : PIER-SOLID)				Integral @ pier.
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Pier Shaft/Piles		7	6	Minor delam at East side of South shaft.
Nose Plate		Х	Х	
Paint/Coating		Х	Х	
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	
Scour		Х	Х	
Debris (Y/N)	No			
Substructure General Rating		7	6	
		5	Structu	re Usage
		Last		Explanation of Condition
Grade Separation				
Road Alignment		6	6	
Traffic Safety Features		5	5	
Туре	PARAPET			
Slope Protection		5	5	Top settled 100mm @ East.
(Type : CONCRETE; CONCR	ETE)		1 ,	Cracked @ top -all corners @ East. Tied back retaining wall at West headslope for lane widening.
Bank Stability		6	6	neadstope for faire widefillig.

Structure Usage											
	L	Last	Now	Explanation of Condition							
Drainage		7	7								
Grade Separation General Ratin	ng	5	5								

79205 -1 Bridge

					Maintenance	e Recomme	nda	ations						
Inspector Recommendations	,	Year Inspector Comments						Department Con	Target Year	Est. Cost	Cat #			
REPAIR/REPLACE BRIDGE RAIL														
GALVANIZE/PAINT BRIDGE RAIL														
RETROFIT BRIDGE RAIL														
SEAL CURBS														
PATCH DECK														
SEAL DECK														
OVERLAY DECK														
REPAIR/REPLACE DECK JOINTS														
RESET/ PAINT BEARINGS														
WASHING														
SHOTCRETE REPAIRS														
REPAIR ABUTMENT SCOUR/EROSIG	ON													
PLACE ADDITIONAL RIP RAP														
REMOVE DRIFT ACCUMULATION														
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
Structural Condition Rating (Last/No. (%)	ow)	66.7/61.	1	Sufficience (%)	cy Rating (La	ast/Now)	5	2.9/50.4	Est	. Repl. Yr	2048	Maint. Re	qd. (Y/N)	No
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	Garry R	oberts				Previou	ıs A	ssistant's Name						
		Oct-2014 Previ						nspection Date						
Inspection Cycle (Default) (months)	21									20-Apr-2011				
Comment														