					Brid	dge Ir	nspect	ion							
Bridge File Number	0176	6 -1 Bridge				J	Form				PSR PCS				
Year Built/Year	1967	7/1967					Lot N	0.			2				
Supstr							Inspe	ctor Nam	ne		Jason Saly				
Bridge or Town Nam		DERHEIM					Inspe	ctor Class BR CLS A							
Located Over	BEA'	VERHILL CF	REEK, 6.6	62, WATI	ERCR	RS-	Assis	Assistant Name							
Located On		C1 20.146					Assis	tant Clas	s						
Water Body Cl./Year	r						Inspe	ction Dat	te		24-Jan-2013				
Navigabil. Cl./Year							Data	Entry By		Marcia Chavez					
Legal Land Location	NW :	SEC 32 TWF	56 RGE	20 W4N	/		Data	Entry Da	te		22-Feb-2013	3			
Longitude, Latitude -112:56:60, 53:53:21							Revie	wer Nam	ne		John O'Brie	า			
Road Authority Alberta Transportation (AIT)							Revie	w Date			13-Feb-2013	3			
Contract Main. Area CMA14							Dept.	Reviewe	er Na	ame	Chris Black				
Clear Roadway/Skew 9.1 /							Dept.	Review	Date)	14-Mar-2013	3			
AADT/Year		0 / 2011 (A)					Follov	v-Up By							
Road Classification		-209-110													
Detour Length (km)	32														
			Semi				Train			>		> On Critic	-> On Critical Spans ->Critical Member		
Design Loading:	Design Loading: HS20												> Primary		
J J					Post	ting Ir	nforma	tion					,		
Required Load Posti	ing (t)		Single				S	Semi			Truck Train				
Posted Loading (t)			Single	Single			S	emi				Truck Train			
Posted: Lar	ne E	В	At June	tion (Y/N	J) N	0	Ir	n Advance (Y/N)		No			No		
Posted: Lar	ne V	/B	At June	tion (Y/N	J) N	0	Ir	n Advanc	e (Y	/N)	No	At B	ridge (Y/N)	No	
Remarks Pos	sting not	required.													
Hazard Marker At Bi	ridge (Y/	N) Yes													
Remarks		Offline	by 0.5m;	missing	at NV	V, SW	/ & SE.								
Other Sign Types		Curve.													
					Utilit	ties (L	Locate	d at)							
Utility Attachments															
Telephone Plo	wed in S	South ditch.					Gas								
Power 3 w	ires Nor	th r/w.					Munic	cipal							
Others							Proble	em (Y/N)	N	0					
Remarks															
							ch Ro				_				
				La		Now		nation c							
Horizontal Alignmen	it				6	6	Curve	Curve to East through a slight vertical grade, no passing EB.				g EB.			
Vertical Alignment		0.005			6	6									
Roadway Width (m)		9.300			_	_									
Approach Bump		V.			5	5	0 -	2 broken posts at NE							
Guardrail (Y/N)		Yes			7	A	_∠ prol	ken posts	atr	NE.					
Guardrail		20,000			7	4									
Length (m)	/\//NI\	38.000					Insuff	icient len	gth a	and l	lacks 2 posts	per c	orner.		
Current Standard	(T/IN)	No	I Dayres												
Termination Type		Turnec	Down		4	4	/NI=sec	droine !-	ot-!!	~ d @	n anneach -	O NC 5	- 16/ hds/000	C) Francisco	
Drainage					4	4	(New drains installed @ approach corners. 16/July/2006) Erosion gullies @ West headslope.			o) Frosion					
Approach Road Ge	eneral R	ating			6	6									

				,	Supers	tructure
Bridge Component						Explanation of Condition
(Primary Span : FC, 3	Spans, Ler	ngths(n	n): 10.1-25.9-1	I0.1, A-	Ident N	lumber:)
Special Features						
Special Feature				8	7	
(SType : EXT SHEAR	STIRRUF	P)			1	
Special Feature					X	
(Type:)						
Wearing Surface/Deck						
N (%)	1 (%)		2 (%)	3 (%)		Snow covered along curb/gutter.
Last 1		0	0		0	
Now 5.0		0.0	0.0	1	0.0	
Wearing Surface (Material Type : CON COAT) (Thickness(mm) : 50)		CONVE	NTIONAL CH	6 IP SEA	5 L	Minor areas of lost seal coat.
Lateral Connection Pro		No				
(Y/N) Deck Top				N	N	
Deck Rideability				8	7	
Deck Joints			N	N	(Both glands leak on gutters. 16/July/2008) Can't confirm this	
Temperature (deg. C)	-13				inspection, previous rating=3. Snow/dirt filled gap.
(Expansion Type : GI		BO-MA	UER, TRANS	FLEX,	ETC))	
(Fixed Type : ASPHA	·					
Gap Size (mm)			ocation			
58		East p	ier			
64		West	oier			
Deck Drainage				7	4	Minor erosion gullies, W hslp.
Drains Clogged (Y/N)		No				No drains on deck.
Curbs/Median				N	N	
(Curb Type : Standar	d)					(13Aug2009). Snow covered.
Scaling (Percent Area	a)	5				
Bridge Rail				4	5	Double layer flexbeam.
(Type : GALVANIZE	STEEL F	LEX BI	EAM)			Minor creasing, still functional.
Bridge Rail Posts				N	N	(Insufficient A/B thread in one post in S2, South side. 13Aug2009).
(Type : GALVANIZE	POST ST	ΓEEL;G	ALVANIZED	POST		Snow/ice covered.
Bridge Rail/Posts Coat	ng			7	7	
(Type : GALVANIZE						
Sidewalk				Х	Х	
Girder Detail Ratings						
N (count)			2 (count)	3 (cou		
Last 0		0	0		0	
Now 0		0	0		0	
Girders				4	4	S2G5,6 have cracking over bearings. Minor spalling @ bearing plates.
Cracking (Y/N)		Yes				Some small amounts of staining over piers.
Spalling (Percent Are		1				Some typical FC cracks on ends, medium width. S leg of the N girder has exposed rebar on bottom.
(Number Of Girders : 6						5 log 5. the 11 girder had expeded tobal on bottom.

					Supers	structure
Bridge Comp	onent					Explanation of Condition
		ns, Lengths(n	n): 10.1-25.9-1			•
Diaphragms/0		<u> </u>	,	5	5	
Dagrings				NI NI	N.	Tableh ta ass
Bearings	- (d O)	40		N	N	Too high to see.
Temperatur		-13	DE ADMO			_
_ ` .		RENE STRIP				
		E STRIP BEA	RING)			
	equate (Y/N)	Yes				_
Functioning		Yes			_	
Deck Undersi	de			8	7	
Stains (Per	cent Area)	1				
Span Alignm	ent Problems	S				
Vertical (Y/I	N)	No				_
Horizontal (Y/N)	No				
Superstructure General Rating					4	
					Supers	structure
Bridge Comp	onent			Last	Now	Explanation of Condition
(Secondary S						
Special Feat						
Special Featu					Х	
(Type:)						
Special Featu	ıre				X	-
(Type:)						
	aco/Dock Top	Detail Ratings				
Wearing Suna	N (%)	1 (%)	2 (%)	3 (%)		
Last	1 (70)	0			^	-
Now	5.0	0.0	0.0		0).0	Snow covered along curb/gutter.
		0.0	0.0			Chinasal delaminated at micro plant demand
Wearing Surfa (Material Ty COAT)		ETE - CONVE	NTIONAL CH	6 IP SEA	6 L	Chipseal delaminated at piers, plow damage. ACP delaminated at W abut.
(Thickness(mm) : 50)					
Lateral Conne		n Yes				
Deck Top				N	N	
Deck Rideabi	lity			8	8	
Deck Joints				N	N	Buffer angles cast on SM units on abutment. (Leaking @ 5 gutters
Bump (Y/N)		No				both pier joints. Oct/2004) Chip coat covered.
Deck Drainag	е			4	4	No drains. Erosion of headslope & spall below connector pocket from
Drains Clog		No				deck drainage.
Curbs/Median				N	N	(Curb spall/delam at various locations exposing corroded stirrups.
	: Standard)			1		13Aug2009). Snow/ice covered.
Scaling (Pe		10				Voids exposed at piers, but no moisture accummulating.
Bridge Rail	. contracaj	10		4	4	Double layer flexbeam.
_	VANIZED ST	TEEL FLEX B	EAM)	-	7	Missing 4 splice bolts in one splice, S3 N side.
Bridge Rail Po		LLL I LEA D		4	N	Snow covered.
		OST STEEL;G	ALVANIZED		IN	Onow covered.
Bridge Rail/Po	osts Coating			7	7	
(Type : GAI				,		-
Sidewalk	- · · · · · · · · · · · · · · · · · · ·			X	X	
Sidewalk				^	_ ^	

						Supers	structure
Bridge Comp	onent						Explanation of Condition
(Secondary S						1	
Girder Detail I							
	N (count)	1 (coun	ıt)	2 (count)	3 (co	unt)	
Last	0	0		0		0	
Now	0	0		0		0	
Girders					4	4	
Last Complete	e Inspection [Date 2	3-Jan-	·2013			
Cracking (Y	/N)	Y	es				Typical longit.narrow SM cracks.
Spalling (Pe	ercent Area)	1					Diagonal cracks with water leakage & corrosion stains @ piers @ S1G1,8 & S3G1,8.
Lift or Connec Grouted (Y/N)	ft or Connector Pocket Yes				Spall on underside of S1G6. Spall @ NW bottom corner @ S1G8.		
(Number Of G	Girders : 16)						
Span Alignm	ent Problem	s					
Vertical (Y/I	N)	N	0				
Horizontal (Y/N)	N	0				
Superstructu	ıre General F	Rating			4	4	
						Subst	ructure
Bridge Comp	onent				Last	Now	Explanation of Condition
Abutments							
(Extended E	Backwall Piles	(Y/N) : '	Y)				
(Extended E	Backwall Piles	Spacing	g(mm)	: 1500)			
(Total Numbe							E abut cap welded to H-piling while W abut cap welded to capitals
Bearing Seats	s/Caps/Corbe	ls Detail	Rating	gs			grouted onto timber piling.
	N (count)	1 (coun	ıt)	2 (count)	3 (co	unt)	
Last	0	0		0		0	
Now	0	0		0		0	
Bearing Seats		ls			6	6	
(Type : STE							
(Depth(mm)	·						
(Width(mm)						T -	
Backwalls/Bre					6	6	
Greatest He	eight (m)	1.	.00				
Wingwalls					N	N	Snow covered.
(Total Numbe		Piles : 0:0))				
Piles Detail R							
	N (count)	1 (coun		2 (count)	3 (co	unt)	
Last	100	0		0		0	
Now	100	0		0		0	
Piles					N	N	Buried; only tops of P9 seen.
Paint/Coating					4	4	All steel components not painted; scaling & pitted - no action required at this time.
Abutment Sta	bility				7	7	Piles not anchored. Spill through abutments.
Scour/Erosion	1				4	4	Erosion gullies @ West headslope.

					Subst	ructure
Bridge Com	onent			Last	Now	Explanation of Condition
Piers/Bents		·				
(Type : PIE	R-COLUMN)					
(Total Numbe	er of Caps/Co	rbels : 22:22)				
Bearing Seat	s/Caps/Corbe	ls Detail Ratin	igs			
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	
Last	0	0	0		0	
Now	0	0	0		0	
Bearing Seat	s/Caps/Corbe	els		7	7	
(Type : STE	EL)					
(Total Number	er of Bearing F	Piles : 14:14)				Max. deck to S/B 8.7m. (Deck to water 7.6m. 97/10/15).
Piles Detail R	_					
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	
Last	0	0	0		0	
Now	0	0	0		0	Spiral crack visible in P1P6E.
Pier Shaft/Pil	es			5	5	Spiral Clack Visible III F IFOL.
Greatest He	eight (m)	3.50			_	
Bracing/Strut	s/Sheathing			7	6	
Nose Plate				7	7	
Paint/Coating				7	6	
(Colour Des	scription : BR	OWN)				
(Colour Co	de : 30252)					
Pier Stability					7	
Scour				7	N	Ice/snow covered.
Debris (Y/N)		No				
Substructure	e General Ra	ting		5	5	
				S	tructu	re Usage
				Last		Explanation of Condition
Channel						
(U/S Direction	n : S)					(Gentle bends. Dry channel. 07Dec2010).
(D/S Direction	n : N)					
Alignment				6	6	
Bank Stability	′			7	N	Snow covered.
HWM (m beld	w Top of Cur	b)				HWM not visible.
Drift (Y/N)		No				
Slope Protect				4	4	Erosion gullies @ West headslope - photo. Some riprap armouring
(Type : NA	TURAL; NAT	URAL)				previous gully erosion.
Guidebank/S	purs			X	X	
Adequacy of	Opening			8	8	
(Fish Compe	nsation Meas	ure 1 : NONE)				
(Fish Compe	nsation Meas	ure 2 : NONE)				
Channel Ger	neral Rating			4	4	
						1

01766 -1 Bridge

		Maintenance Recomme	idations					
Inspector Recommendations	Year	Inspector Comments	Department Comme	ents		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2013	Install missing splice bolts (4) in North rail.						
GALVANIZE/PAINT BRIDGE RAIL								
SEAL CURBS	2013	Patch delam/spalled curb & seal, if not yet done.						
PATCH DECK	2013	Patch chipseal wearing surface worn bare by plow.						
SEAL DECK								
OVERLAY DECK								
REPAIR/REPLACE DECK JOINTS	2013	Investigate & seal leakage @ pier ends. Repif not done.	air					
RESET/ PAINT BEARINGS								
WASHING								
SHOTCRETE REPAIRS								
REPAIR ABUTMENT SCOUR/EROSIC	ON 2013	Repair headslope gullies.						
PLACE ADDITIONAL RIP RAP	2013	Headslope gullies.						
REMOVE DRIFT ACCUMULATION								
OTHER ACTION	2013	Re-install HMs at SW, NW & SE.						
OTHER ACTION	2013	Patch NW SM gider 0.01m3 OHV.						
OTHER ACTION	2013	Upgrade approach guardrail to meet standard & replace borken posts.						
OTHER ACTION								
OTHER ACTION OTHER ACTION								
	ow) 50.0/50	.0 Sufficiency Rating (Last/Now) (%)	54.6/54.6 E	st. Repl. Yr	2024	Maint. Red	qd. (Y/N)	Yes
OTHER ACTION Structural Condition Rating (Last/No. (%) Special Currently no action f	•		n Department	st. Repl. Yr	2024	Maint. Red	qd. (Y/N)	Yes
OTHER ACTION Structural Condition Rating (Last/No (%)) Special Currently no action for conditions change.	•	(%)		st. Repl. Yr	2024	Maint. Red	qd. (Y/N)	Yes
OTHER ACTION Structural Condition Rating (Last/No. (%) Special Currently no action f	•	(%)	n Department	st. Repl. Yr	2024	Maint. Red	qd. (Y/N)	Yes
OTHER ACTION Structural Condition Rating (Last/No (%)) Special Currently no action for conditions change.	•	(%)	n Department	st. Repl. Yr	2024	Maint. Red	qd. (Y/N)	Yes
OTHER ACTION Structural Condition Rating (Last/No (%)) Special Currently no action for conditions change.	•	(%)	n Department	st. Repl. Yr		Maint. Red		Yes
OTHER ACTION Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Currently no action for conditions change.	•	(%)	Department Comments	st. Repl. Yr				Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy	•	(%)	Department Comments	st. 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)	•	(%)	Department Comments	st. Repl. Yr				Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy	•	(%)	Department Comments	st. 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	or girders (FC,	(%) SM); continue regular inspections & repair when	Department Comments Date	st. 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	or girders (FC,	(%) SM); continue regular inspections & repair when	Department Comments Date S Assistant's Name					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 Next Inspection Date	Dave Lam 24-Oct-2014	(%) SM); continue regular inspections & repair when	Department Comments Date	st. 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 Next Inspection Date	or girders (FC,	(%) SM); continue regular inspections & repair when	Department Comments Date S Assistant's Name					Yes