							В	ridge Ir	nspectio	on							
Bridge File Num	6 -1 Bridge					Form Type			PCS								
Year Built/Year								Lot No				1					
Supstr				1						Inspector Name			Melanie Johnson				
Bridge or Town Name MORINVI										Inspector Class			BR CLS B				
Located Over	E QUI BARRE, 6.65.14, RCRS-ST						Assistant Name										
Located On		642	:02 C1							Assistant Class							
Water Body Cl./	Year												28-Jun-2011				
Navigabil. Cl./Y	ear												Theresa Lacusta				
Legal Land Loc	ation	SE	SEC 3	J J T VVT JO TKOL ZT VV T IVI						, , , , , , , , , , , , , , , , , , ,			06-Jul-2011				
Longitude, Latit	ude	-113	3:55:23	0.23, 53.48.12						Reviewer Name			Arnold Assenheimer				
Road Authority		Albe	erta Tr	ansporta	ation (Al	Γ)			Review Date Dept. Reviewer Name				29-Jun-2011				
Contract Main.	Area	CM	A09										Brent Herrick	Κ			
Clear Roadway	/Skew	8 /							Dept. F			<u>e</u>	18-Jul-2011				
AADT/Year				10 (A)					Follow	-op i	БУ						
Road Classifica		RCI	J-208-	-110													
Detour Length (10	I			I											
Allowable Load	(t): Sir	ngle	CS1 2			Semi		S2 52 RDER			Train	CS GIF	3 74 RDER		> On Critical Spans> Critical Member		
Design Loading	:		HS20									10			> Primary Span		
							Po	sting Ir	nformat	ion					,		
Required Load	Posting	g (t)		Single					Se	emi				Truck Train			
Posted Loading	(t)			Single					Se	emi			40.0	Truc	k Train	54.0	
Posted:	Lane	E	EB	At Junction (′/N)	l) Yes		In Advance (Y/N)		Yes	At Bridge (Y/N) Yes		Yes		
Posted:	Lane	١	WB	At Junction (Y			′/N)	Yes	In	In Advance (Y/N) Yes			Yes				
Remarks																	
Hazard Marker	At Brid	ge (Y	′/N)	No													
Remarks	Require	Required.															
Other Sign Type	es																
								ilities (L	ocated	at)							
Utility Attachme				E UTILIT	ΓΙΕS-PH	ONE I	INE		l _								
Telephone				bridge.					Gas			About 65 m to west.					
Power	2 line	s to r	north r/	/w.					Municipal Street lights. Problem (Y/N) Yes			lights.					
Others	Talan	h		:4 -441		4	:	ا بدامه ا	s only attached at ends and sagging.								
Remarks	тегер	none	conal	uit attacr	ned to so	outh in					ied at e	enas :	and sagging.				
							Last	Now	ch Road Explanation of Condition								
Horizontal Align	ment						6	6		Business/residential entrances East & West. Bridge locat			ated East of				
Vertical Alignme							7	7	reserve. 50kph WB, 80kph EB.								
D 1 140	()			0.000													
Roadway Width				8.200													
Approach Bump				V			4 4		W () 1 1 1 1 1 1 1 1 1								
Guardrail (Y/N)			Yes					West approach settled ~40mm.									
Guardrail			45.000			4 4		1st pos	st off	SE co	rner i	missing block	ing.	∂) NI\N/· 1E C.~	@ NIE: 41 0~		
Length (m)			45.600					Insufficient length. 53.2m @ ŠW; 49.4m @ NW; 45.6m @ NE; 41.8m @ SE.									
Current Standard (Y/N)			No Turn Down					4 post adjacent to bridge @ NE corner not attached to rail and					ail and				
Termination Type Tu				Turn Down					leaningphoto								
Drainage							N	4	Scouring at corners eroding headslopes and exposed gird SW - photo.			irder void at					
Approach Roa	d Gene	eral F	Rating				6	6									
									1								

					Supers	structure				
Bridge Com	ponent			Last	Now	Explanation of Condition				
		ans, Length	s(m): 8.5-8.5-			•				
Special Feat	ures									
Special Feat	ure				X					
(Type:)				<u>'</u>						
Special Feat	ure				X					
(Type:)										
	ace/Deck Top	Detail Ratin	gs							
	N (%)	1 (%)	2 (%)	3 (%)						
Last										
Now										
Wearing Surf	face			6	6	Map cracking. Yellow solid centerline worn off.				
(Material T	ype : ACP)									
(Thickness	(mm) : 50)									
Lateral Conn (Y/N)	ection Problen	n No								
Deck Top		<u>'</u>		N	N					
Deck Rideab	ility			7	7					
Deck Joints				N	N	Paved over.				
Bump (Y/N)	No								
Deck Drainag	ge			4	4	There is also large erosion gully down East headslope.				
Drains Clog	gged (Y/N)	No								
Curbs/Media	n			5	5	Plow damage, spalled @ interior face of south curb.				
(Curb Type	: Standard)									
Scaling (Pe	ercent Area)	0								
Bridge Rail				4	4	Double layer. Not spliced correctly.				
	LVANIZED ST	TEEL FLEX	BEAM)			NE end post/rail connection missingphoto				
Bridge Rail P			,	6	6					
(Type : GA STEEL)	LVANIZED PO	OST STEEL;	GALVANIZED	POST						
Bridge Rail/P	osts Coating			6	6					
	LVANIZED)									
Sidewalk				Х	Х					
Girder Detail	Ratings									
	N (count)	1 (count)	2 (count)	3 (cou	unt)	New curbs are type SC girders.				
Last]				
Now										
Girders				4	4	S3G2 spalled in bearing area over P2. S3G5/G6 wide longitudinal				
Last Complet	te Inspection D	Date 10-Ma	ar-2008			crack outside AZ in one leg each girder - photo. S1G5/G6 S3G9 honeycomb in South leg - photo. S2G2 spalled in anchor zone -				
Cracking (\	Y/N)	Yes				photo. All curb girders have spot corrosion, S3G10 has longitudinal				
Spalling (P	ercent Area)	1				crack. (Curb girders stained, replaced in 2000. 18/Nov/2004)				
Lift or Conne Grouted (Y/N		No				Unable to access center span due to high water.				
(Number Of 0	Girders : 30)					View from ends.				
Span Alignm	nent Problem	s								
Vertical (Y/	N)	No								
Horizontal	(Y/N)	No								
Superstruct	ure General R	ating		4	4					

					Subst	tructure				
Bridge Comp	nonent			Last	Now	Explanation of Condition				
Abutments	Ponent			Lasi	INOM	Explanation of Condition				
	Backwall Piles	s (Y/N) · Y)								
(Extended Backwall Piles Spacing(mm) : 1600)						West end 4th pile banded P1, A2 split - photo.				
3()										
(Total Number	er of Caps/Co	rbels : 1:1)								
Bearing Seat	s/Caps/Corbe		_							
	N (count)	1 (count)	2 (count)	3 (cou	ınt)					
Last										
Now				_						
	s/Caps/Corbe			5	5					
	TREATED TII	MBER)								
(Depth(mm										
(Width(mm)										
Backwalls/Br		0.00		5 5		East backwall is anchored, West is not. East end backwall is moving vertically.				
Greatest He	eight (m)	2.00				<u> </u>				
Wingwalls				5 5		NE wing tin top punctured. NW wing looks like frost heaving pile up.				
(Total Number	er of Bearing F	Piles : 7:7)								
Piles Detail R	Ratings									
	N (count)	1 (count)	2 (count)	3 (cou	ınt)					
Last										
Now										
Piles	Piles									
Paint/Coating	9			X	X					
Abutment Sta	ability			5	5					
Scour/Erosio	n			4	3	East & West headslope scouring 18m x 2mx 2m- photo. Beaver dam just upstream of bridge directing flow @ West headslope.				
Piers/Bents										
(Type : PIE	R-COLUMN)									
(Total Number	er of Caps/Co	rbels : 1:1)								
Bearing Seat	s/Caps/Corbe	ls Detail Ratio	ngs							
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	Rusting caps @ both piers, flaking.				
Last										
Now						_				
	s/Caps/Corbe	els		5	5					
(Type : STE										
(Depth(mm	· · ·									
(Width(mm)		D:I 7 \								
	er of Bearing F	riles : 7:7)			-					
Piles Detail Ratings N (count) 1 (count) 2 (count)					ınt\					
Last	iv (count)	r (courit)	Z (COUTIL)	3 (cou	arit)					
Now										
Pier Shaft/Pil	es	<u> </u>		5	5	-				
Greatest Height (m) 4.60						-				
Bracing/Strut		1.00		6	4	2 split braces on East pier.				
Nose Plate				X	X					

			Subst	ructure				
Bridge Component		Last	Now	Explanation of Condition				
Paint/Coating		4	4					
(Colour Description :)								
(Colour Code :)								
Pier Stability		7	7					
Scour		5	5	(NW corner pier some scouring occuring between East pier & West pier. Aug/20/01)				
Debris (Y/N)	No							
Substructure General Rating		5	5					
		5	Structu	re Usage				
		Last		Explanation of Condition				
Channel								
(U/S Direction : N)				Erosion channels @ East headslope.				
(D/S Direction : S)								
Alignment		7	7					
Bank Stability		5	5					
HWM (m below Top of Curb)				HWM not visible.				
Drift (Y/N)	Yes		_					
Slope Protection		4	4					
(Type : NONE; NONE)								
Guidebank/Spurs	Guidebank/Spurs							
Adequacy of Opening		8	8					
(Fish Compensation Measure 1	· · · · · · · · · · · · · · · · · · ·							
(Fish Compensation Measure 2	: NONE)							
Channel General Rating		4	4					

					Maintenance Re	commend	ations						
Inspector Recommendations			Year	Inspecto	r Comments		Department Co	omments			Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL			2011	Install mi	issing splice bolts @ North rand the list is sing splice bolts @ NE post/rail bolt.	ail, replace							
SEAL CURBS													
PATCH DECK													
OVERLAY DECK													
STRAIGHTEN/REPLACE MEMBERS													
WASHING													
SHOTCRETE REPAIRS													
CORE TIMBER CAPS/CORBELS													
REPAIR/REPLAC	CE TIMBER CAPS												
REPAIR ABUTM	ENT SCOUR/EROSI	NC	2011	headslo	pes								
PLACE ADDITIO	NAL RIP RAP		2011	Class 1,	45m3.								
REMOVE DRIFT	ACCUMULATION												
INSTALL STRUT	S												
OTHER ACTION													
OTHER ACTION			2011	· · ·	guardrail posts and attach gu	ıardrail.							
OTHER ACTION			2011	· ·	tin top at NE.								
OTHER ACTION			2011	Replace/	anchor conduit on South ext	terior.							
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													_
OTHER ACTION													
Structural Cond (%)	Structural Condition Rating (Last/Now) (%)			0	Sufficiency Rating (Last/N	Now)	58.2/58.1	Est. R	epl. Yr	2012	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection Monitor cracks in girder leg One program for replacem going to be replaced in ne			ent. mav o	consider r	not completing repairs if struc	cture is	Department Comments						
Maintenance Rev	riewed By						Date			E	Estimated Total	0	
Proposed Long-T	erm Strategy												
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspecto	or's Name	Dave L	Dave Lam			Previous Assistant's Name Bryce Clayton							
Next Inspection D		28-Sep					Previous Inspection Date 10-Mar-2008						
·		39											

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

71146 -1 Bridge

Comment