						В	ridge I	nspe	ction							
Bridge File Num	ber	75661 N-1 Bridge					<u> </u>				PCS					
Year Built/Year								Lot	Lot No.			2				
Supstr									Inspector Name			Jason Saly				
Bridge or Town Name MORNINGSIDE									Inspector Class			BR CLS A				
Located Over		604:02 C		<u> </u>					Assistant Name							
Located On		2:26 R1 3	34.302						Assistant Class							
Water Body Cl./									Inspection Date		19-Mar-2013	3				
Navigabil. Cl./Year								Data Entry By			Marcia Chavez					
Legal Land Location NE SEC 34 TWF								Dat	Data Entry Date			01-Apr-2013				
Longitude, Latitude -113:39:46, 5									Reviewer Name			John O'Brien				
Road Authority Alberta Transp			ransport	sportation (AIT)					Review Date			26-Mar-2013				
Contract Main. A		CMA19						Dep				Chris Black				
Clear Roadway/	Skew	12.8 /						Dep	·			09-Apr-2013	}			
AADT/Year		23,260 / 2	2011 (A)					Foll	low-Up	Ву		•				
Road Classificat		RFD-412	2.4-130						·							
Detour Length (k	1	1														
Allowable Load (t): Sin	gle CS1 GIRI			Semi		S2 61 RDER			Train		3 88		> On Critical Spans >Critical Member		ns
Design Loading:		HS2				GI	NDEK				GIF	RDER		> Primary		
Design Loading.		1102	.0			Po	sting I	nforn	nation					> i ililiary	/ Орап	
Required Vert. C	learan	ce Postin	a (m)	UNDER	R: 604 C				пастоп							
Posted Vertical (9 ()	Yes	00 1 0	<i>.</i>										
Posted: Lane			ridge (m)		In Adva	ince ((Y/N)	Yes	Lane	Lane WB		n Bridge (m)	5.4	In Advanc	e (Y/N)	Yes
Remarks		011 21	lago (III)		III / lava	1100	(1/14)	100	Lano	,,,,		biiago (iii)	0	minavano	0 (1/14)	1.00
Required Load F	ostina	(t)		Single				Semi			Trucl	ς Train				
Posted Loading		(1)		Single				Semi			Truck Train					
Posted:	Lane	NB		At Junction (Y/N)		/NI)	No		In Advance (Y/N)		No	At Bridge (Y/N)		No		
Posted:	Lane	SB		At Junction (Y/N)			No		In Advance (Y/N)		No	At Bridge (Y/N)		No		
Remarks				20011 (17	14)	110		iii / tav	arioc	(1/14)	110	/ (CDI	lage (1/14)	110		
Hazard Marker A		•	No													
Remarks	w Bridg	JC (1/14)	Not req	uired												
Other Sign Type	 S			ition, Ro	ute											
Other Olgh Type			IIIIOIIIIG	ition, rto	ato	Ut	ilities (l	_oca	ted at)							
Utility Attachmer	nts						,									
Telephone								Gas	 S							
Power	Under	ground N	span.						Municipal							
Others		_	•						Problem (Y/N) No							
Remarks										•						
							Approa	ch R	oad							
					L	Last	Now	Explanation of Condition								
Horizontal Alignr	nent					9	8	On	vertical	crest	curve,	upgrade to I	North.			
Vertical Alignme	nt					7	7	\perp								
Roadway Width	(m)		11.600													
Approach Bump					7	7										
Guardrail (Y/N) Yes						S e	nd only	with t	thrie be	eam transitior	١.					
Guardrail				7	7											
Length (m) 80.000																
Current Standard (Y/N) Yes																
Termination Type Turn Down																
Drainage						7	7									
<u> </u>								-								
Approach Road General Rating						7	7									

				5	Supers	tructure					
Bridge Com	ponent			Last	Now	Explanation of Condition					
(Primary Spa	n : PE, 3 Spa r	ns, Lengths(ı	n): 12.8-10.7-	12.8, A-	Ident N	Number:)					
Special Feat	ures										
Special Feat	ure			X							
(Type:)											
Special Feat	ıre				X						
(Type:)											
Wearing Surf	ace/Deck Top	Detail Rating	s								
	N (%)	1 (%)	2 (%)	3 (%)							
Last	0	0	0		0	Snow/dirt covered.					
Now	5.0 0.0 0.0			0	.0						
Wearing Surf	ace			4 4		Chipseal on epoxy overlay on fibre reinforced concrete O/L. 5%					
(Material Ty	ype : CONCRE	ETE - CONVE	NTIONAL CH	IP SEA	L	chipseal worn off. SF concrete o/l placed in 1992, epoxy placed 1998.					
(Thickness	(mm) : 50)										
Lateral Conn (Y/N)	ection Problem	n No									
Deck Top				N	N						
Deck Rideab	ility			7	7						
Deck Joints				7	N	Steel strip welded to top of joints to match O/L. A2-76mm, P2-75mm,					
Bump (Y/N)	No		, , , , ,		A1-68mm, P1-80mm. Gaps filled with dirt, glands not visible.					
Deck Drainag	је			7 7		Center span deck drain grouted in.					
Drains Clog	ged (Y/N)	No									
Curbs/Media	n			6	N	Snow covered.					
(Curb Type	: Standard)										
Scaling (Pe	ercent Area)	0									
Bridge Rail				6	6	4th post from NW missing bolt. 75mm bend to bottom rail 4th panel					
	LVANIZED ST	TEEL VERTIC	AL BAR)			from NW. 3rd post from North, only 1/2 bolt projects into nut. 4th					
Bridge Rail P				6	N	panel from South @ East missing bolt @ bottom panel connection 1st panel from South on West rail, bent vertical. Panel 7 East					
	LVANIZED PO	OST STEEL;	BALVANIZED	POST		damaged, missing bars. EP6,7 accident damage. Retrofit rail installed. Bridgerail post base plates snow covered.					
Bridge Rail/P	osts Coating			7 7		Dhugerali post base plates show covered.					
	LVANIZED)										
Sidewalk	,			Х	Х						
Girder Detail	Ratings										
	N (count)	1 (count)	2 (count)	3 (cou	ınt)						
Last	0	0	0		0						
Now	0	0	0		0						
Girders				4	4	S3G4,14, S2G7, S1G3-5,7-9,14-15 longit. cracks in AZ, 1 leg.					
	te Inspection D	Date 19-Ma	r-2013			Vertical end of girder cracks over piers at S1G15, S2G1, S2G15 both					
Cracking (Y	·	Yes	-			ends and S3G15. S2G1 has high load spall.					
Spalling (Percent Area) 1						Patches on numerous girders.					
Lift or Connector Pocket Grouted (Y/N) Yes											
(Number Of (•										
	nent Problems	s									
Vertical (Y/		No									
Horizontal (•	No									
	ure General R			4	4						
Juperaliucti	ui o General N	umig		_							

					Subst	ructure					
Bridge Comp	onent			Last	Now	Explanation of Condition					
Abutments											
(Extended E	Backwall Piles	(Y/N) : N)									
(Extended E	Backwall Piles	Spacing(mm):)								
(Total Numbe	r of Caps/Corl	bels : 1:1)									
Bearing Seats	s/Caps/Corbel	s Detail Ratin	gs								
	N (count)	1 (count)	2 (count)	3 (cou	unt)						
Last	0	0	0		0						
Now	0	0	0		0	Stained with vertical narrow cracks. A2 has a spall near centreline from girders touching teh abut seat.					
Bearing Seats	s/Caps/Corbel	S		5	4						
(Type : COI	NCRETE)										
(Depth(mm)):)										
(Width(mm)	:)										
Backwalls/Bre	eastwalls			4	N						
Greatest He	eight (m)	1.50									
Wingwalls	<u> </u>			5	5						
_	r of Bearing P	iles : 0:0)									
Piles Detail R	_										
	N (count)	1 (count)	2 (count)	3 (cou	unt)						
Last	100	0	0		0						
Now	100	0	0		0	Buried.					
Piles				N	N	Dulleu.					
Paint/Coating				X	X						
Abutment Sta	bility			7	7						
Scour/Erosion	າ			7	7						
Piers/Bents											
	R-COLUMN)										
` • •	r of Caps/Corl	bels : 1:1)									
	s/Caps/Corbel		as								
	N (count)	1 (count)	2 (count)	3 (cou	unt)	Delaminations on sides of cap caused by pile leverage or pile corrosion.					
Last	0	0	0		0						
Now	0	0	0		0						
	s/Caps/Corbel	_		4	4	-					
(Type : COI	-										
(Depth(mm)	•										
(Width(mm)											
	r of Bearing P	iles : 10:10\									
Piles Detail R											
. IIOO DOIGII TO	N (count)	1 (count)	2 (count)	3 (cou	ınt)						
Last	0	0	0		0						
Now	0	0	0		0						
Pier Shaft/Piles		7	7	-							
Greatest Height (m) 5.00					, ,	-					
Bracing/Struts		0.00		X	Х						
	J. Orload III Ig										
Nose Plate				X	X						
Paint/Coating				3	4	Superficial corrosion on column splash zone with 20% point failure.					
(Colour Des	scription :)					Blue.					
(Colour Cod	de :)										

			Subst	ructure					
Bridge Component		Last	Now	Explanation of Condition					
Pier Stability			6						
Scour			Х						
Debris (Y/N)	s (Y/N) No								
Substructure General Rating			4						
Structure Usage									
		Last	Now	Explanation of Condition					
Grade Separation									
Road Alignment			7	S604					
Traffic Safety Features		6	6	Guardrail and concrete barrier continuous through the structure.					
Туре	Guardrail			Hazard boards both sides, both ends.					
Slope Protection		7	7						
(Type : CONCRETE; CONCR	ETE)	<u> </u>							
Bank Stability			7						
Drainage			7						
Grade Separation General Rating			6						

Bridge Inspection & Maintenance System (Web 2005)

75661 N-1 Bridge

				Maintenanc	e Recommend	lations					
Inspector Recommendations	\	Year	Inspector	r Comments		Department Comm	nents		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL											
SEAL CURBS											
PATCH DECK											
OVERLAY DECK											
STRAIGHTEN/REPLACE MEMBERS											
WASHING	2	2013	Clean joir	nts.							
SHOTCRETE REPAIRS											
CORE TIMBER CAPS/CORBELS											
REPAIR/REPLACE TIMBER CAPS											
REPAIR ABUTMENT SCOUR/EROSI	ON										
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL STRUTS											
OTHER ACTION	2	2013	Spray pa	tch chip seal coat.							
OTHER ACTION	2	2018	Crack rep	pairs and patch at next	rehab.						
OTHER ACTION	2	2018	Patch N a	abut.							
OTHER ACTION	2	2013	Seal pier	caps; patch delaminat	ion.						
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N (%)	ow)	44.4/44.	.4	Sufficiency Rating (L (%)	.ast/Now)	62.0/63.3	Est. Repl. Yr	2025	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection Monitor cracks in g No action on pile pa	aint at this	s time.				Department Comments					
Maintenance Reviewed By						Date		E	Estimated Total	0	
Proposed Long-Term Strategy	Schedul	le Repla	acement in	2018. \$2M/structure. [OH Guardrail wa	arrants for existing p	piers need to be c	hecked an	d the protection	n work is red	quired.
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Owe		Salava			Previous	Assistant's Name					
Next Inspection Date	19-Dec-	-2014			Previous	Inspection Date					
Inspection Cycle (Default) (months)	21										
Comment											