							E	Bridge Inspection								
Bridge File Number 75661 S-2 Bridge Vear Built/Year 1963/1963							Foi	m Type			PCS					
Year Built/Year 1963/1963 Supstr								No.			1					
Bridge or Town Name MORNINGSIDE							pector N			Jason Saly						
Located Over 604:02 C1 17.085							pector C			BR CLS A						
Located Over 604:02 C1 17.085 Located On 2:26 L1 34.297							Assistant Name									
Water Body Cl./Year					Assistant Class											
Navigabil. Cl./Ye							•						19-Mar-2013			
Legal Land Loca		NE 9	SEC 3	34 TWP	/1 RGE	26 W		Data Entry By Marcia Ch								
Longitude, Latitu				7, 52:34:		20 00	-+ ivi			ta Entry			01-Apr-2013			
Road Authority				ansporta		T\			_	viewer N			John O'Brier			
Contract Main. A		CMA		ansport	וא) ווטווג	<u>') </u>			-	view Da			26-Mar-2013	3		
Clear Roadway/S		12.8								pt. Revie						
AADT/Year				2011 (A)						pt. Revie		ite	09-Apr-2013			
Road Classificati				4-130					Fol	Follow-Up By						
Detour Length (k		1	/ -4 12.	4-130												
Allowable Load (CS1	38		Sem	i C	S2 61			Train	cs	3 88		> On Critic	al Spans
,		3.2	GIRE					IRDER					RDER		>Critical M	ember
Design Loading: HS20												> Primary	Span			
Paguired Vert Clearance Posting (m) LINDEP: 604						osting	nfor	nation								
Required Vert. Clearance Posting (m) UNDER: 604				C1 5.	.4m											
			Yes			0.40.0							In Advance (V/N)			
Remarks WB posted of 75661N.				In Adv	ance	(Y/N)	Yes	Lane	WB	C	n Bridge (m)		In Advance	(Y/N) Yes		
Required Load Posting (t) Single								Semi				Truck Train				
Posted Loading (t)				Single					Semi			Truck Train				
Posted: Lane SB				At Junction (\		Y/N)	No		In Adva	ance (Y/N)		No	At Bridge (Y/N) No		No	
	Lane		NB			Junction (Y/N)				In Advance (Y/N)			No At Bridge (Y/N) No			
Remarks Not required.			•	, , , , , , , , , , , , , , , , , , , ,												
Hazard Marker At Bridge (Y/N) No																
Remarks Not required.																
Other Sign Types Information, Route			ute													
					U	tilities (Loca	ted at)								
Utility Attachmen	ts															
Telephone							Ga	s								
Power Underground North span.						Mu	nicipal									
Others							Problem (Y/N) No									
Remarks																
							Appro	ach F	ch Road							
11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1				Last			Explanation of Condition									
Horizontal Alignment					9	9	_ Typ	oical G/S	S. crest	CUIVA	, on down gra	de to	South			
Vertical Alignment						7	7	011	vertical	01031	Carvo	, on down gra	- C	Oodin.		
			11.500													
Approach Bump						6	6									
Guardrail (Y/N)				Yes												
Guardrail							9	7								
Length (m)				100.000)				1							
Current Standa		N)		Yes					No	North end only with thrie beam transition.						
Termination Ty	ре			Turn Do	own		_									
Drainage							7	7								
Approach Road	Gene	ral R	ating				7	7								

						Super	structure					
Bridge Component						Now						
	an : PE, 3 Spa i	ns. Lenat	ths(n	n): 12.8-10.7-	Last 12.8. A-							
Special Feat		,g		.,	,		······································					
Special Feature						X						
(Type:)	ui c											
Special Feat	ura					X						
_	uie											
(Type:)	(/D - T	D-t-ii D-										
vvearing Sun	face/Deck Top		atings		0 (0()							
1 1	N (%)	1 (%)		2 (%)	3 (%)							
Last	0	0		0		0	Snow covered.					
Now	10.0	0.0		0.0		0.0						
Wearing Sur					6	4	Chip seal coat on polymer overlay on top of 100mm fibre reinforced concrete O/L.					
COAT;CO		ETE - CO	NVE	NTIONAL CF	IIP SEA	L .	Random areas of lost seal coat & debonded/lost epoxy. SF concrete o/l placed in 1992, epoxy placed in 1998.					
(Thickness	` , , ,											
Lateral Conn (Y/N)	ection Problen	n No) ——									
Deck Top					X	X						
Deck Rideab	oility				7	7						
Deck Joints					5	N	A1-73mm, P1-84mm, P2-75mm, A2-73mm.					
Bump (Y/N	1)	No					Gaps filled with dirt; glands not visible.					
Deck Draina	ge				7	7	Center span deck drains grouted.					
Drains Clo	gged (Y/N)	No)									
Curbs/Media	n				5	N	(Curb height 150mm. 15Sep2011) - Snow covered.					
(Curb Type	e : Standard)											
	ercent Area)	0	0									
Bridge Rail	,				6	6	1 broken slats in 3rd panel from SW.					
	LVANIZED S1	TEFI VEI	RTIC	AI BAR)			Retrofit rail installed.					
Bridge Rail F					6	N	(3 posts damaged. Slight damage to post. 2 A/B assemblies @ East					
(Type: GALVANIZED POST STEEL;GALVANIZED STEEL)				ALVANIZED			& 3 @ West have less than full bolt into nut, 3rd post from North has less than 1/2 bolt threaded into nut. Grout pad deterioration. 15Sep2011) - Bridgerail post base plates snow covered.					
Bridge Rail/Posts Coating					7	7	135ep2011) - Bridgerall post base plates show covered.					
(Type : GALVANIZED)												
Sidewalk					Х	Х						
Girder Detail	Ratings											
	N (count)	1 (count	:)	2 (count)	3 (cou	unt)						
Last	0	0		0		3						
Now	0	0		0		3						
Girders	Ť	<u> </u>			3	3	0.1 to 0.3mm narrow flexural cracks @ 200 to 300mm spacing.					
	te Inspection D)ate 10	-Mar	-2013	3		S1G15, S2G1 & S2G15 have vertical end of girder cracks.					
Cracking (Ye		2010			Some cracked girder legs have been patched. S2G14, 2 legs longit. cracks in AZ. S3G8 spall in AZ @ abut.					
	ercent Area)	1	,3				S3G10 small spall in AZ @ pier.					
Lift or Conne Grouted (Y/N	ctor Pocket						1 leg S2G1-2,8-12, S3G9,14; S1G1,15.					
(Number Of	·											
	nent Problems	<u> </u>										
Vertical (Y/		No)									
Horizontal	•	No										
	<u> </u>		,									
Superstruct	ure General R	ating			3	3						

					tructure						
Bridge Com	ponent			Last	Now	Explanation of Condition					
Abutments		·									
(Extended	Backwall Piles	(Y/N) : N)									
(Extended	Backwall Piles	Spacing(mm):)								
(Total Numb	er of Caps/Cor	bels : 1:1)				No neoprene pad on abutments between girders & cap.					
Bearing Seat	ts/Caps/Corbel	s Detail Ratin	gs								
	N (count)	1 (count)	2 (count)	3 (cou	ınt)						
Last	0	0	0		0						
Now	0	0	0		0						
Bearing Sea	ts/Caps/Corbel	s		6	6						
(Type : CO	NCRETE)										
(Depth(mm	n):)										
(Width(mm	n):)										
Backwalls/Bi	reastwalls			6	6	Hairline vertical cracks in South abutment. Greatest height 0.5m.					
Greatest H	leight (m)	1.50									
Wingwalls				5	5	Parging broken 200 x 300 @ NE wingwall.					
						-					
	er of Bearing P	Piles : 0:0)									
Piles Detail Ratings N (count) 1 (count) 2 (count) 3 (count)						_					
Last	100	0	0		0						
Now	100	0	0		0	_					
Piles				N	N	Buried.					
Paint/Coating	g			X	X						
Abutment St	ability			7	7						
Scour/Erosic	on			7	7						
Piers/Bents											
	R-COLUMN)										
` • •	er of Caps/Cor	bels : 1:1)									
	ts/Caps/Corbel	· · · · · · · · · · · · · · · · · · ·	gs								
N (count) 1 (count) 2 (count)				3 (cou	ınt)						
Last	0	0	0		0						
Now					0	Cap is cracked at pile locations.					
Bearing Seats/Caps/Corbels 4						Surface delam cause may be pier migration at base or corrosion of					
(Type : CONCRETE)						pipe piles.					
(Depth(mm):)											
(Width(mm											
	er of Bearing P	Piles : 10:10)									
Piles Detail F											
	N (count)	1 (count)	2 (count)	3 (cou	ınt)						
Last	0	0	0		0						
Now	0	0	0		0						
Pier Shaft/Pi	les			7	7						
Greatest H	leight (m)	5.00									
Bracing/Stru				Х	X						
Nose Plate				X	X						
Paint/Coating	g			4	4	Superficial corrosion @ bottom of columns, splash zone - no action					
	scription :)					at this time.					
(Colour Co						1					
(30,00,00						-					

			Subst	ructure					
Bridge Component		Last	Now	Explanation of Condition					
Pier Stability			6						
Scour		Х	Х						
Debris (Y/N) No									
Substructure General Rating			4						
		5	Structu	re Usage					
			Now	Explanation of Condition					
Grade Separation									
Road Alignment			7						
Traffic Safety Features			6	Not					
Type Guardrail				Guardrail with concrete barrier continuous through structure, stop at pier. Hazard boards on East & West end of both sides.					
Slope Protection			7						
(Type : CONCRETE; CON	CRETE)								
Bank Stability			7						
Drainage			7						
Grade Separation General	Rating	6	6						

Alberta Transportation

			_	Maintenance Recommendations	ations					
Inspector Recommendations	Year		Inspector Comments		Department Comments	ments		Target Year	Est. Cost	Cat#
REPAIR/REPLACE BRIDGE RAIL										
SEAL CURBS										
PATCH DECK										
OVERLAY DECK										
STRAIGHTEN/REPLACE MEMBERS										
WASHING	2013		Clean jnts.							
SHOTCRETE REPAIRS										
CORE TIMBER CAPS/CORBELS										
REPAIR/REPLACE TIMBER CAPS										
REPAIR ABUTMENT SCOUR/EROSION	NOI									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL STRUTS										
OTHER ACTION	2013		At next rehab inject eand patch as require	At next rehab inject epoxy into girder cracks and patch as required.						
OTHER ACTION	2013		Spray patch chip seal coat.	al coat.						
OTHER ACTION	2013		Crack repairs to pier caps at next rehab	caps at next rehab.						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)		38.9/38.9		Sufficiency Rating (Last/Now) (%)	0.09/0.09	Est. Repl. Yr	2025	Maint. Reqd. (Y/N)		Yes
Special Monitor girders for further cracking/spalling in AZ. Comments for Bridge deck testing never completed on this structure. Next Inspection	further cracki g never compl	ing/sp leted α	alling in AZ. on this structure.		Department Comments					
Maintenance Reviewed By					Date		Ш́	Estimated Total	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Owen Salava	۸a		Previous /	Previous Assistant's Name					
Next Inspection Date	19-Dec-2014	4		Previous I	Previous Inspection Date	15-Sep-2011				
Inspection Cycle (Default) (months)	21									
Comment										

75661 S-2 Bridge

				Maintenance Red	commend	dations						
Inspector Recommendations	Ye	ear	Inspecto	or Comments		Department C	Commer	nts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL												
SEAL CURBS												
PATCH DECK												
OVERLAY DECK												
STRAIGHTEN/REPLACE MEMBERS												
WASHING	20	13	Clean jn	ts.		Operations wi	l do wit	h annual wash	ning	2013		
SHOTCRETE REPAIRS												
CORE TIMBER CAPS/CORBELS											<u> </u>	
REPAIR/REPLACE TIMBER CAPS												
REPAIR ABUTMENT SCOUR/EROSI	ON											
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL STRUTS												
OTHER ACTION	20	13	At next rand pate	ehab inject epoxy into girde ch as required.	r cracks	Defer to repla	cement	2023		2023		
OTHER ACTION	20	13	Spray pa	atch chip seal coat.		Sent to Opera	tions					
OTHER ACTION		13	Crack re	pairs to pier caps at next rel	hab.	Defer to repla	cement	t		2023		
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/N (%)	ow) 38	3.9/38.	9	Sufficiency Rating (Last/I	Now)	60.0/60.0	Es	t. Repl. Yr	2025	Maint. Re	qd. (Y/N)	Yes
Special Monitor girders for for Next Inspection Monitor girders for Bridge deck testing	urther crac never con	cking/s nplete	spalling ii d on this	n AZ. structure.	·	Department Comments	Tentat	ively program	med in P	MA to be replac	ed in 2023	. CB
Maintenance Reviewed By	Chris Blad	ck				Date	30-Apı	r-2013		Estimated Tota	I 0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	Owen Sal	lava			Previous	Assistant's Nar	ne					

Bridge Inspection & Maintenance System (Web 2005)

Alberta Transportation

75661 S-2 Bridge

Next Inspection Date	19-Dec-2014	Previous Inspection Date	15-Sep-2011
Inspection Cycle (Default) (months)	21		
Comment			