						Bridge I	nspe	ection								
Bridge File Num	ber	71352	-1 Bridge				Form Type				SG					
Year Built/Year		1986/1					-	No.			2					
Supstr							Ins	pector N	ame		Wade Nanni	ninga				
Bridge or Town	Name		STLE					pector C			BR CLS A					
Located Over		CNR						sistant N								
Located On		16A:08	C1 13.442	2			Ass	sistant C	lass							
Water Body CI./							Ins	pection I	Date		10-Aug-2012	10-Aug-2012				
Navigabil. Cl./Ye							Dat	ta Entry	By		Theresa Lac	usta				
Legal Land Loca		SE SE	C 20 TWP	53 RGE	7 W5M		Dat	ta Entry	Date		21-Aug-2012					
Longitude, Latitu	ude		9:24, 53:35				Re	viewer N	lame		Eric Carcoux					
Road Authority			Transport	ation (Al	T)		Re	view Dat	e		21-Aug-2012					
Contract Main. A		CMA12					De	pt. Revie	wer Na	ame	Brent Herrick	(				
Clear Roadway/	Skew		13 deg. (Ll	HF)			De	pt. Revie	w Date	e	22-Aug-2012	<u>)</u>				
AADT/Year			2011 (A)				Fol	low-Up E	Зу							
Road Classificat		RAU-2	10-110				-									
Detour Length (I	<u> </u>	3											•			
Allowable Load	(t): Sin	gle CS	61 28		Semi (	CS2 49			Train	CS	3 62	>	On Criti Critical I	ical Spa Member	ns	
Design Loading:		M	5300										Primary			
<u> </u>						Posting I	nfor	mation								
Required Vert. C	Clearan	ce Post	ing (m)													
Posted Vertical	Clearar	nce (Y/N	1)	No												
	EB		, Bridge (m)		n Advance	e (Y/N)	No	Lane	WB	0	n Bridge (m)	In	Advanc	e (Y/N)	No	
Remarks	Not re	quired,	railway cro	ssing.												
Required Load F	Posting	(t)		Single				Semi			Truck Train					
Posted Loading				Single				Semi				Truck Train				
Posted:	Lane	NB			tion (Y/N)	No		In Adva	ance (Y	′/N)	No	At Bridge	(Y/N)	No		
Posted:	Lane	SB			tion (Y/N)	No		In Adva	· · ·		No		At Bridge (Y/N) No			
Remarks	1	quired.		1				1	· · ·	,		0	. ,			
Hazard Marker	At Brido	ae (Y/N)	Yes													
Remarks		<u> </u>		ard mark	er @ SW o	corner, n	ot red	quired.								
Other Sign Type	es			tion, Wa				•								
					J J	Itilitian (										
					L. L.	unnes (	Loca	ted at)								
Utility Attachme	nts					funcies (	Loca	ted at)								
•	nts						Ga		C	cross	es highway 1	00m Nortl	٦.			
Telephone	nts Street	lights.					Ga		C	Cross	es highway 1	00m Nortl	ו.			
Telephone Power	Street	•	cation cable	e West 8			Ga Mu	s		Cross lo	es highway 1	00m Nortl	٦.			
Telephone Power Others	Street	•	cation cable	e West &			Ga Mu	s nicipal			es highway 1	00m Nortl	ז.			
Telephone Power Others	Street	•	cation cable	e West 8		Approa	Ga Mu Pro	s nicipal oblem (Y,			es highway 1	00m Nortl	ו.			
Telephone Power Others	Street	•	cation cable	e West &	East r/w.	Approa t Now	Ga Mu Prc ach R Exj	s nicipal oblem (Y, Road planatio	/N) N	lo ondit	ion					
Telephone Power Others Remarks Horizontal Align	Street CN co	•	cation cable	e West &	East r/w.	Approa	Ga Mu Prc ach R Exp 100	s nicipal oblem (Y, Road planatio	/N) N n of Co of Hw	lo ondit	ion & 22 intercha	nge on/ofi	f ramps,	curve to	) Nortl	
Telephone Power Others Remarks Horizontal Align	Street CN co	•	cation cable	e West &	East r/w.	Approa t Now	Ga Mu Pro ach F Exp 100 On	s nicipal oblem (Y, <b>Road</b> planatio Om north downhil	/N) N n of Co of Hwy I grade	lo ondit y 16 a	ion	nge on/ofi	f ramps,	curve to	) Nortl	
Telephone Power Others Remarks Horizontal Align Vertical Alignme	Street CN co ment	•	ation cable	e West 8	East r/w.	Approa t Now 6	Ga Mu Pro ach R Exp 100 On dist	s nicipal oblem (Y, Road planatio Dm north downhil tance. Bi	/N) N n of Co of Hwy I grade ridge w	ondit y 16 a to N	ion & 22 intercha orth, crest cu	nge on/ofi rve to Sou	f ramps,	curve to ed sight	) Nortl	
Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width	Street CN co ment ent (m)	•		e West &	East r/w.	Approa t Now 6	Ga Mu Pro ach R Exp 100 On dist	s nicipal oblem (Y, Road planatio Dm north downhil tance. Bi	/N) N n of Co of Hwy I grade ridge w	ondit y 16 a to N	ion & 22 intercha orth, crest cu s to South.	nge on/ofi rve to Sou	f ramps,	curve to ed sight	) Nortl	
Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Approach Bump	Street CN co ment ent (m)	•		e West &	East r/w. Las 6 6	Approa t Now 6 6	Ga Mu Pro <b>ach F</b> Exp 100 On dist Bui	s nicipal oblem (Y, Road planatio Dm north downhil tance. Bi mp on N mp on N	/N) N n of Co of Hwy I grade ridge w orth sic	ondit y 16 a to N videns de of	ion & 22 intercha orth, crest cu s to South. bridge both la - minor. Insuf	nge on/of rve to Sou anes.	f ramps, uth, limite	ed sight	) Norti	
Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Approach Bump Guardrail (Y/N)	Street CN co ment ent (m)	•	11.000	e West 8	East r/w. Las 6 6	Approa t Now 6 6 6	Ga Mu Pro <b>ach F</b> Exp 100 On dist Bui	s nicipal oblem (Y, <b>Road</b> <b>planatio</b> Om north downhil tance. Br mp on N	/N) N n of Co of Hwy I grade ridge w orth sic	ondit y 16 a to N videns de of	ion & 22 intercha orth, crest cu s to South. bridge both la - minor. Insuf	nge on/of rve to Sou anes.	f ramps, uth, limite	ed sight	) Nort	
Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Approach Bump Guardrail (Y/N)	Street CN co ment ent (m)	•	11.000	e West &	East r/w. Las 6 6 6 5	Approa t Now 6 6 6	Ga Mu Pro <b>ach F</b> Exp 100 On dist Bui	s nicipal oblem (Y, Road planatio Dm north downhil tance. Bi mp on N mp on N	/N) N n of Co of Hwy I grade ridge w orth sic	ondit y 16 a to N videns de of	ion & 22 intercha orth, crest cu s to South. bridge both la - minor. Insuf	nge on/of rve to Sou anes.	f ramps, uth, limite	ed sight	) Nort	
Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Approach Bump Guardrail (Y/N) Guardrail	Street CN co ment ent (m)	mmunic	11.000 Yes	e West &	East r/w. Las 6 6 6 5	Approa t Now 6 6 6	Ga Mu Pro <b>ach F</b> Exp 100 On dist Bui	s nicipal oblem (Y, Road planatio Dm north downhil tance. Bi mp on N mp on N	/N) N n of Co of Hwy I grade ridge w orth sic	ondit y 16 a to N videns de of	ion & 22 intercha orth, crest cu s to South. bridge both la - minor. Insuf	nge on/of rve to Sou anes.	f ramps, uth, limite	ed sight	> Nort	
Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Approach Bump Guardrail (Y/N) Guardrail Length (m)	Street CN co ment ent (m)	mmunic	11.000 Yes 92.000		East r/w. Las 6 6 6 5	Approa t Now 6 6 6	Ga Mu Pro <b>ach F</b> Exp 100 On dist Bui	s nicipal oblem (Y, Road planatio Dm north downhil tance. Bi mp on N mp on N	/N) N n of Co of Hwy I grade ridge w orth sic	ondit y 16 a to N videns de of	ion & 22 intercha orth, crest cu s to South. bridge both la - minor. Insuf	nge on/of rve to Sou anes.	f ramps, uth, limite	ed sight	) Nortl	
Current Stand	Street CN co ment ent (m)	mmunic	11.000 Yes 92.000 No		East r/w. Las 6 6 6 5	Approa t Now 6 6 5 5	Ga Mu Prc Exy 100 On dist But Son Not	s nicipal oblem (Y, coad planatio Dm north downhil tance. Bi mp on N me dente t thrie be	/N) N n of Co of Hwy I grade ridge w orth sic ed sect eam tra	lo ondit y 16 a to N videns de of nsitio	ion & 22 intercha orth, crest cu s to South. bridge both la - minor. Insuf	nge on/of rve to Sou anes. ficient pos	f ramps, uth, limite	ed sight		

Bridge Comp		no Lar	ath c (	m), 00 A Lat-			Explanation of Condition
	n : <b>WG, 1 Spa</b>	ins, Len	gtns(i	n): 22, A-Ide		ber: A	053-01)
Special Feat						x	
•	ле					<b>^</b>	
(Type : ) Special Featu	uro.					X	
•						<b>^</b>	
(Type : )							
wearing Sun	Vearing Surface/Deck Top Detail Ratings N (%) 1 (%) 2 (%)			3 (%)			
Last			3 (78)				
Now							
Wearing Surface			8	7			
(Material Type : ACP - CONVENTIONAL CHIP SEAL			-				
(Thickness)						/	
Deck Top					N	N	
Deck Top							
Deck Rideabi	ility				7	7	
Deck Joints					3	3	North joint plates rattle with traffic, loose. 9 broken bolts North deck
Temperatur	re (deg. C)	25	5				joint SBL. 3rd plate welded to 2nd and 4th plates - photo.
(Expansion OR SLIDIN	Type : ARMO G PLATES))	URED	GLAN	D (WABO UN	DER FI	NGER	
(Fixed Type							
Gap Size (r			Gap L	ocation			
38			•	abutment			
55			South	abutment			
Deck Drainag	je				7	7	On grade. Drains to North.
Drains Clog	ged (Y/N)						No deck drains.
Curbs/Mediar	n				6	6	Small chip @ East & West @ north joint in curb.
(Curb Type	: Standard)						Recently sealed.
	ercent Area)	0					
Bridge Rail	÷				8	8	
	LVANIZED ST	EEL BR	RIDGE	TUBE)		1	30% of A/B insufficient thread.
Bridge Rail P				,	4	4	
<b>U</b>	LVANIZED PC	OST STE	EEL;G	ALVANIZED	POST		
Bridge Rail/P	osts Coating				7	7	
	LVANIZED)						
Sidewalk					X	X	
Girder/Beam	1					I	
Cover Plate					X	X	Tops of girders jamed @ both backwalls.
Flange					8	8	
Web					8	8	
Stiffeners					X	X	
Splice					Х	х	
					8	8	
vveid	Weld				-	1	

Alberta Transportation

			Supers	tructure
Bridge Component		Last		Explanation of Condition
(Primary Span : WG, 1 Spans,	Lengths(m): 22,	A-Ident Num		
Paint Condition		4	4	Ends of girders are scaling. Worst area is bottom flange over
(Colour Description : )				bearing. Weathering steel.
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings		3	3	Masonry plate at North end G2 pushed back 21mm worst case,
Temperature (deg. C)	25			Masonry plate at North end G2 pushed back 21mm worst case, others similar. Four anchor bolts are sheared off, others are bent. North side of shoe plate is flush or past with back of masonry plate -
(Expansion Type : REINFOR	CED PAD BEARI	NG)		photo.
(Fixed Type : PINNED BEAR	RING)			Expansion @ S
Coating Adequate (Y/N) Yes				Fixed @ N
Functioning (Y/N)	No			
Deck Underside		7	7	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			Typ skew pressures - AB @ N sheared off.
Horizontal (Y/N)	Yes			
Superstructure General Ratir	ng	3	3	
	-			
Bridge Component		Last	Now	Explanation of Condition
Abutments		7	7	
Bearing Seats/Caps		7	7	
(Type : CONCRETE)		0	0	
Backwalls/Breastwalls		6	6	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		6	6	Alligator cracking on the coating.
Abutment Stability		4	4	Reinforced earth retaining walls appear to be leaning in slightly 30mm
Scour/Erosion		X	7	
Piers/Bents				
(Type : )				
Bearing Seats/Caps		Х	X	1
(Type : )				
(Total Number of Bearing Piles	;;)			
Pier Shaft/Piles	,	Х	X	1
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		X	Х	
Scour		X	X	
Debris (Y/N)	No			

## Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		ructure		
Bridge Component Substructure General Rating			Now	Explanation of Condition
			4	
		S	Structu	re Usage
				Explanation of Condition
Grade Separation				
Road Alignment		Х	6	
Traffic Safety Features		Х	Х	
Туре	None			
Slope Protection		X	X	
(Туре : )				
Bank Stability		7	7	
Drainage			7	
Grade Separation General Rating			6	

			Maintenance R	ecommend	ations					
Inspector Recommendations	Y	′ear	Inspector Comments		Department Cor	nments		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	2	012	Repair loose cover plates.							
<b>RESET/ PAINT BEARINGS</b>	2	012	Reset bearings & replace sheared	A/B's.						
REPAINT SUPERSTRUCTURE										
STRAIGHTEN/REPLACE MEMBERS										
WASHING										
SHOTCRETE REPAIRS										
REPAIR ABUTMENT SCOUR/EROSI	ON									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No. (%)	ow) 3	8.9/38.9	9 Sufficiency Rating (Last (%)	/Now) {	56.7/55.4	Est. Repl. Y	r 2043	Maint. Re	qd. (Y/N)	Yes
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	Kris Bost	ters		Previous	Assistant's Name					
Next Inspection Date	10-May-2	2014		Previous I	nspection Date	05-Oct-2	2010			
Inspection Cycle (Default) (months)	21									
Comment										