D · · · · · · · · · · · · · · · · · · ·						Bridge I	nspection							
Bridge File Numl	ber	75217 S	-1 Bridge				Form Type)	TH SG					
Year Built/Year		1965/19	65				Lot No.		2					
Supstr							Inspector I	Name	Arnold Assenheimer					
Bridge or Town I	Name						Inspector (Class	BR CLS A					
Located Over				/ER, 8.11	, WATERO	CRS-ST	Assistant I	lame	Wade Nanninga					
Located On		63:11 L ²	13.205				Assistant (Class	BR CLS B					
Water Body CI./		r					Inspection	Date	09-Mar-2010					
Navigabil. Cl./Ye							Data Entry	By	Theresa Lacu	sta				
Legal Land Loca	ition	SE SEC	20 TWP	89 RGE	9 W4M		Data Entry	Date	12-Apr-2010					
_ongitude, Latitu	ide	-111:23:	40, 56:43	:51			Reviewer		Stew Hagan					
Road Authority		Alberta	Transport	ation (Al	Г)		Review Da	ite	05-Apr-2010					
Contract Main. A	act Main. Area CMA07						Dept. Revi	ewer Name	Brent Herrick					
Clear Roadway/	ar Roadway/Skew 8.2 /						Dept. Revi		15-Apr-2010					
ADT/Year		53,290 /	2008 (A)				Follow-Up							
Road Classificati	ion	RFD-41	2.4-120					2)						
Detour Length (k	(m)	1												
Allowable Load (t): Sin	gle			Semi			Train		> On Cri	itical Spa	ns		
										>Critical				
Design Loading:	esign Loading: HS20									> Primai	ry Span			
	N	a Daati			P	osting l	nformation							
Required Vert. C														
Posted Vertical (Yes .				0.0						
	NB	On B	ridge (m)		n Advance	e (Y/N)	Lane	SB C	n Bridge (m)	5.8 In Advan	ce (Y/N)	Yes		
Remarks														
Required Load Posting (t) Single						Semi			Truck Train					
Posted Loading	(t)			Single			Semi		-	Truck Train				
Posted:	Lane	NB		At Junc	tion (Y/N)		In Advance (Y/N)			At Bridge (Y/N)				
Posted:	Lane	SB		At Junc	tion (Y/N)	No	In Advance (Y/N)		No /	At Bridge (Y/N) No				
Remarks	Not re	quired.												
Hazard Marker A	At Bridg	ge (Y/N)	No											
Remarks														
Other Sign Type	S		Icy dec	k 100m iı	n advance.									
Other Sign Type	S		Icy dec	k 100m iı			Located at)							
			Icy dec	k 100m iı			Located at)							
Jtility Attachmer		deck.	Icy dec	k 100m iı			Located at)							
Jtility Attachmer Felephone	nts Under		Icy dec	k 100m ii				14 co	nduit & 1 pipe (deck U/S.				
Jtility Attachmer Felephone Power	nts Under Both s	ides of to					Gas		nduit & 1 pipe o	deck U/S.				
Jtility Attachmer Felephone Power Dthers	nts Under Both s Lamp	ides of to standarc	op chord. Is on verti	cals.		Itilities (I	Gas Municipal Problem (\		nduit & 1 pipe (deck U/S.				
Jtility Attachmer Felephone Power Dthers	nts Under Both s Lamp	ides of to standarc	op chord. Is on verti	cals.	U	tilities (l	Gas Municipal Problem (\ n. ch Road	(/N) No		deck U/S.				
Jtility Attachmer	nts Under Both s Lamp	ides of to standarc	op chord. Is on verti	cals.	U	tilities (I full length Approa	Gas Municipal Problem (\ n. ch Road			deck U/S.				
Jtility Attachmer Telephone Power Others Remarks	Under Both s Lamp Condu	ides of to standarc	op chord. Is on verti	cals.	U ast railing, f	tilities (I full length Approa	Gas Municipal Problem (\ n. ch Road	(/N) No		deck U/S.				
Jtility Attachmer Felephone Power Dthers Remarks Horizontal Alignr	nts Under Both s Lamp Condu	ides of to standarc	op chord. Is on verti	cals.	U ast railing, f	tilities (l full length Approa t Now	Gas Municipal Problem (` n. ich Road Explanatio	(/N) No		deck U/S.				
Jtility Attachmer Telephone Power Dthers Remarks Horizontal Alignr	nts Under Both s Lamp Condu	ides of to standarc	op chord. Is on verti	cals.	U ast railing, f Last 5	tilities (ull length Approa t Now 5	Gas Municipal Problem (` n. ich Road Explanatio	(/N) No		deck U/S.				
Jtility Attachmer Telephone Power Dthers Remarks Horizontal Alignr	nts Under Both s Lamp Condu	ides of to standarc	op chord. Is on verti	cals.	U ast railing, f Last 5	tilities (ull length Approa t Now 5	Gas Municipal Problem (` n. ich Road Explanatio	(/N) No		deck U/S.				
Utility Attachmer Telephone Power Dthers Remarks Horizontal Alignr /ertical Alignme	nts Under Both s Lamp Condu ment nt	ides of to standarc	op chord. Is on verti	cals.	U ast railing, f Last 5	tilities (ull length Approa t Now 5	Gas Municipal Problem (` n. ich Road Explanatio	(/N) No		deck U/S.				
Jtility Attachmer Telephone Power Dthers Remarks Horizontal Alignre /ertical Alignmer	nts Under Both s Lamp Condu ment nt	ides of to standarc	op chord. Is on verti ed to outs	cals.	U ast railing, f Last 5	tilities (ull length Approa t Now 5	Gas Municipal Problem (` n. ich Road Explanatio	(/N) No		deck U/S.				
Jtility Attachmer Felephone Power Dthers Remarks Horizontal Alignre /ertical Alignmer Roadway Width Approach Bump	nts Under Both s Lamp Condu ment nt	ides of to standarc	op chord. Is on verti ed to outs	cals.	ast railing, f	tilities (I iull length Approa t Now 5 7	Gas Municipal Problem (` ch Road Explanatio Curve @ b	(/N) No	tion					
Jtility Attachmer Telephone Power Dthers Remarks Horizontal Alignre Vertical Alignmer Roadway Width Approach Bump Guardrail (Y/N)	nts Under Both s Lamp Condu ment nt	ides of to standarc	pp chord. Is on verti ed to outs	cals.	ast railing, f	tilities (I Full length Approz t Now 5 7 7	Gas Municipal Problem (` ch Road Explanation Curve @ to 99.0m of co	on of Condi	tion	proach. 66.0m c	of guardra	 		
Jtility Attachmer Felephone Power Others Remarks Horizontal Alignre Vertical Alignmer Roadway Width Approach Bump Guardrail (Y/N) Guardrail	nts Under Both s Lamp Condu ment nt	ides of to standarc	pp chord. Is on verti ed to outs 23.200 Yes	cals.	ast railing, f	tilities (I iull length Approa t Now 5 7	Gas Municipal Problem (` ch Road Explanation Curve @ to 99.0m of co	on of Condi	tion		of guardra acing.			
Jtility Attachmer Felephone Power Dthers Remarks Horizontal Alignr /ertical Alignmer Roadway Width Approach Bump Guardrail (Y/N) Guardrail Length (m)	nts Under Both s Lamp Condu ment nt	ides of to	pp chord. Is on verti ed to outs 23.200 Yes 66.000	cals.	ast railing, f	tilities (I Full length Approz t Now 5 7 7	Gas Municipal Problem (` ch Road Explanation Curve @ to 99.0m of co	on of Condi	tion	proach. 66.0m c	of guardra acing.			
Jtility Attachmer Felephone Power Dthers Remarks Horizontal Alignre Approach Bump Guardrail (Y/N) Guardrail	nts Under Both s Lamp Condu ment nt (m)	ides of to	pp chord. Is on verti ed to outs 23.200 Yes	cals. ide of Ea	ast railing, f	tilities (I Full length Approz t Now 5 7 7	Gas Municipal Problem (` ch Road Explanation Curve @ to 99.0m of co	on of Condi	tion	proach. 66.0m c	of guardra acing.			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

				ļ	Approa	ich Road					
				Last	Now	Explanation of Condition					
Approach Ro	oad General I	Rating		5	5						
					Supers	structure					
Bridge Comp	onent			Last	Now	Explanation of Condition					
(Primary Spar	n : TH, 9 Spa i	ns, Length	s(m): 30.5-30.5	5-30.5-45	.7-61-6	1-76-76-61, A-Ident Number: A0495-02;A0495-03)					
Special Featu	ures										
Special Featu	re				X	Span 4 to 9 TH. Viewed from banks with binoculars. Viewed deck					
(Type :)						and truss from adjacent bridge & by driving across.					
Special Featu	re				X						
(Type :)											
Wearing Surfa	ace/Deck Top	Detail Rati	ngs								
	N (%)	1 (%)	2 (%)	3 (%)							
Last	100										
Now	100.0	0.0	0.0	0	0.0						
Wearing Surfa	ace/Deck Top	1		N	N	(Various delams - ISL preparing assessment report (in 2001).					
(Material Ty	(Material Type : CONCRETE)					2003/03/13) Numerous previous patches. Viewed wearing surface while driving,					
(Plank Thick	kness(mm) : 5	50)				would approximate a "4" rating. Widespread patching with some					
(Plank Widtl	h(mm) :)					patches deteriorating17-Jul-2008					
Deck Rideabil	lity			5	5						
Deck Joints				4	4	(Fast shutmant 120mm can Diar #2.20mm can Use art isint 215mm					
		0		4	4	(East abutment 130mm gap. Pier #2 30mm gap. Hanger joint 215mm gap. Hinge joint 30mm gap. (Also see secondary span. 09/Dec/04)					
Temperatur	· · · · · · · · · · · · · · · · · · ·	0				Unable to get measurement due to heavy traffic volumn. Joints are leaking. Plumbing full of dirt. Water leaking past.					
(Expansion (Fixed Type	••• •										
		Ga	p Location			5 abut fingers-25mm higher on approach sidephoto					
Gap Size (n		Ga	p Location								
						-					
Curbs/Wheel	Guards			N	N						
(Curb Type	: Standard)										
(Type : CON	NCRETE)										
(Curb Heigh	nt(mm) :)										
(Width(mm)	:)										
Bridge Rail				5	5	Loss of anchorage at base - photo. (Missing anchor bolts at					
(Type : GAL	VANIZED ST	FEEL BRID	GE TUBE)			numerous posts. 2003/03/13) Retrofit continuous box tube attached to vertical slat panels.					
Bridge Rail Po	osts/Blocking			5	4	Too much traffic to inspect, drove across deck, no evident problems.					
(Type : POS	ST STEEL;PC	ST STEEL)								
Bridge Rail/Po	osts Coating			5	5						
(Type : PAII	NT)										
Sidewalk				X	Х						

Alberta Transportation

				Supers	tructure					
Bridge Component			Last							
(Primary Span : TH, 9 Spans, L	engths(r	n): 30.5-30.5	-30.5-45	.7-61-6	1-76-76-61, A-Ident Number: A0495-02;A0495-03)					
Wide Load Damage (Y/N)	No				Minor bend in 5 top cross bracing.					
High Load Damage (Y/N)	Yes				(Top bracing vibrates under traffic. 2003/03/13)					
Top Chord			7	7	U13L14S minor bend, M64L37N minor dent. (U7L7S & U7L7N not					
Batter Posts			7	7	long enough, missing bolt at connection. 2003/03/13) Missing bolts at various connections, not critical.					
Sway Bracings			5	5						
Diagonals			4	4	Minor distortions at various locations. (U115-U11)					
Verticals			4	4						
Portals			6	6						
Connections			4	4	Bottom chord filled with dirt and debris. Not accessible.					
Floor Beams			6	6						
Bottom Chord			4	4						
(No. of Stringers : 0)										
Stringer Detail Ratings					1					
	ount)	2 (count)	3 (cou	unt)						
Last]					
Now										
Stringers			N	N						
(Type : STEEL)										
(Width(mm):)										
(Depth(mm) :)										
(Spacing(mm) :)										
Paint Condition			4	4	Rusting on top of bottom chord & in splash zone.					
(Colour Description :)					Green.					
(Colour Code :)										
Touchup Required (Y/N)	No									
Bearings			5	5						
Temperature (deg. C)	0									
(Expansion Type : ROCKER E		3)								
(Fixed Type : SLIDING PLATE		,								
Functioning (Y/N)	Yes	,								
Sub Deck/Deck Underside			5	5	Narrow transverse crack with staining.					
(Material Type : CONCRETE)			0	0	nanov antovoloo ordok war okaning.					
(Plank Thickness(mm) : 150)										
(Plank Width(mm) :)										
Defects (Percent Area)										
Span Alignment Problems										
Vertical (Y/N)	No									
Horizontal (Y/N)	No									
Superstructure General Rating			4	4	G.R. carried forward.					
Superstructure General Rating	J		4	4						
				Supers	tructure					
Bridge Component			Last	Now	Explanation of Condition					
(Secondary Span : RG)										
Special Features										
Special Feature				Х						
(Type :)					_					
(Type :) Special Feature				X						

						structure				
Bridge Com				Last	Now	Explanation of Condition				
(Secondary S	Span : RG)									
Wearing Surf	ace/Deck Top									
	N (%)	1 (%)	2 (%)	3 (%) Viewed from end of bridge. 0.0 0.0		Viewed from end of bridge.				
Last	50					_				
Now	50.0	0.0	0.0	(0.0					
Wearing Surf	ace			5	5	Span 7, 8 & 9. 2 girder RG. Various delams previously patched.				
(Material T	ype : CONCRE	ETE)				(ISL preparing assessment report. 2003/03/13)				
(Thickness	(mm) : 50)				_					
Deck Top				N	N					
Deck Rideab	ility			5	5					
Deck Joints				4	4	Abutment joint plumbing rusting & perforatedfilled with dirt.				
Temperatu	re (deg. C)	0								
(Expansion										
(Fixed Type						(09/Dec/04)				
Gap Size (I	· · ·	Gap	Location			Unable to get measurement due to heavy traffic volume.				
45		Pier	#6			(Compression seals failed. 2003/03/13)				
100		Wes	t abutment							
						-				
Deck Draina	ge			5	5	Minor gravel accumulation along gutters.				
Drains Clog	gged (Y/N)	No								
Curbs/Media	n			4	4	Curb fascia spalling at North end.				
(Curb Type	: Standard)									
Scaling (Pe	ercent Area)	0								
Bridge Rail				5	5	4 panels from North abutment East side accident damage but				
(Type : GA	LVANIZED ST	TEEL BRIDG	E TUBE)			funtioning. Retrofit continuous box tube attached to vertical slat panels.				
Bridge Rail P	osts			5	5					
(Type : GA STEEL)	LVANIZED PO	OST STEEL;	GALVANIZE	POST		(Post anchor compromised due to deteriorated curb. 2003/03/13)				
Bridge Rail/P	osts Coating			5	5					
(Type : GA	LVANIZED)									
Sidewalk				X	Х					
Girder/Beam	1									
Cover Plate	9			7	7	Viewed from banks with binoculars.				
Flange				7	6	Lower flange corroding.				
Web				7	7					
Stiffeners				7	7					
Splice				7	7					
Weld				N	N					
Diaphragms/	Cross Frame			7	7					
Paint Conditi	on			4	4	Lower flanges corroding on outside and at joints.				
(Colour De	scription :)									
(Colour Co	de :)									
Touchup R	equired (Y/N)	No								

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						tructure
Bridge Comp				Last	Now	Explanation of Condition
(Secondary S	pan : RG)				_	
Bearings				5	5	
Temperatur	e (deg. C)	0				-
	(Expansion Type : ROCKER BEARING)					-
		PLATE;PINN	IED BEARING)			-
	equate (Y/N)	No		_		-
Functioning	Functioning (Y/N) Yes					
Deck Undersi	Deck Underside				5	Transverse cracks with efflorescence.
Stains (Per	Stains (Percent Area) 5					
Span Alignm	Span Alignment Problems					
Vertical (Y/	Vertical (Y/N) No					_
Horizontal (Horizontal (Y/N)					
Superstructu	ire General I	Rating		5	5	
					Outrat	
Bridge Comp	onont			Last	Now	ructure Explanation of Condition
Abutments	Joneni			Lasi	NOW	
	Backwall Piles	s (Y/N) ·)				
	Backwall Piles	. , ,	m).)			
(Total Numbe						Massive.
Bearing Seats	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	tinas			
Doarning Coald	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last						
Now						
Bearing Seats	s/Caps/Corbe	els		5	5	
(Type : COI						
(Depth(mm)	· · · · · · · · · · · · · · · · · · ·					
(Width(mm)	· · · ·					
Backwalls/Bre				6	6	
Greatest He		1.40				
Wingwalls	J ()			7	7	
-						
(Total Numbe	r of Bearing I	Piles : 0:0)				_
Piles Detail R						-
	N (count)	1 (count)	2 (count)	3 (cou	unt)	-
Last	100					-
Now	100	0	0		0	-
Piles				N	N	
Paint/Coating				6	6	
Abutment Sta	bility			7	7	
Scour/Erosior	١			5	5	
Piers/Bents						
(Type : PIE	R-SOLID)					
(Total Numbe		rbels : ::::	:::)			
Bearing Seats	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			
	N (count)	1 (count)	2 (count)	3 (coi	unt)	Massive.
Last						
Now						Not measured, too high.
Bearing Seats	s/Caps/Corbe	els		6	6	
(Type : CO	NCRETE)					Top coat peeling.

Bridge Component Image: Component of Bearing Piles : 0:0:0 Piles Detail Ratings N (count) 1 (count) Last 100 Image: Component of Bearing Piles : 0:0:0 N (count) 1 (count) Image: Component of Bearing Piles : 0:0:0 Last 100 1 (count) Last 100 Image: Component of Bearing Piles : 0:0:0 Now Image: Component of Bearing Piles : 0:0:0 Image: Component of Bearing : 0:0:0 Now Image: Component of Bearing : 0:0:0 Image: Component of Bearing : 0:0:0 Nose Plate Image: Component of Bearing : 0:0:0:0 Image: Component of Bearing : 0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:	:0:0:0:0) 2 (count) 2	Last 3 (cou 6 6 X 6 4	Now Int) 6 X 6	Explanation of Condition
Piles Detail RatingsN (count)1 (count)Last100NowPier Shaft/PilesGreatest Height (m)Bracing/Struts/SheathingNose PlatePaint/Coating (Colour Description :) (Colour Code :)Pier StabilityScourDebris (Y/N)NoSubstructure General Rating(U/S Direction : W) (D/S Direction : E)		6 X 6	6 X	
N (count) 1 (count) Last 100 Now Image: Second Struct	2 (count)	6 X 6	6 X	
Last 100 Now Pier Shaft/Piles Greatest Height (m) Bracing/Struts/Sheathing Nose Plate Paint/Coating (Colour Description :) (Colour Code :) Pier Stability Scour Debris (Y/N) No Substructure General Rating (U/S Direction : W) (D/S Direction : E)	2 (count)	6 X 6	6 X	
Now Image: Second state st		X 6	X	
Pier Shaft/Piles Greatest Height (m) Bracing/Struts/Sheathing Nose Plate Paint/Coating (Colour Description :) (Colour Code :) Pier Stability Scour Debris (Y/N) No Substructure General Rating (U/S Direction : W) (D/S Direction : E)		X 6	X	
Greatest Height (m) Bracing/Struts/Sheathing Nose Plate Paint/Coating (Colour Description :) (Colour Code :) Pier Stability Scour Debris (Y/N) No Substructure General Rating (U/S Direction : W) (D/S Direction : E)		X 6	X	
Bracing/Struts/Sheathing Nose Plate Paint/Coating (Colour Description :) (Colour Code :) Pier Stability Scour Debris (Y/N) No Substructure General Rating Channel (U/S Direction : W) (D/S Direction : E)		6		
Nose Plate Paint/Coating (Colour Description :) (Colour Code :) Pier Stability Scour Debris (Y/N) No Substructure General Rating Channel (U/S Direction : W) (D/S Direction : E)		6		
Paint/Coating (Colour Description :) (Colour Code :) Pier Stability Scour Debris (Y/N) No Substructure General Rating Channel (U/S Direction : W) (D/S Direction : E)			6	
(Colour Description :) (Colour Code :) Pier Stability Scour Debris (Y/N) No Substructure General Rating Channel (U/S Direction : W) (D/S Direction : E)		4		
(Colour Code :) Pier Stability Scour Debris (Y/N) No Substructure General Rating Channel (U/S Direction : W) (D/S Direction : E)			5	Superficial rust.
Pier Stability Scour Debris (Y/N) No Substructure General Rating Channel (U/S Direction : W) (D/S Direction : E)				
Scour Debris (Y/N) No Substructure General Rating Channel (U/S Direction : W) (D/S Direction : E)				
Debris (Y/N) No Substructure General Rating Channel (U/S Direction : W) (D/S Direction : E)		7	7	
Substructure General Rating Channel (U/S Direction : W) (D/S Direction : E)		N	N	
Channel (U/S Direction : W) (D/S Direction : E)				
(U/S Direction : W) (D/S Direction : E)		5	5	
(U/S Direction : W) (D/S Direction : E)		S	Structu	re Usage
(U/S Direction : W) (D/S Direction : E)		Last	Now	Explanation of Condition
(D/S Direction : E)				
, , , , , , , , , , , , , , , , , , , ,				Pedestrian path under North span.
Alignment				_
		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N) No				
Slope Protection		6	6	
(Type : RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NON	E)			
(Fish Compensation Measure 2 : NON				
Channel General Rating	E)	7	6	

					Mainten	ance Recommend	lations						
Inspector Recom		Year	Inspecto	or Comments		Department Co	ommer	nts		Target Year	Est. Cost	Cat #	
REPAIR/REPLAC	E BRIDGE RAIL												
GALVANIZE/PAI	NT BRIDGE RAIL												
RETROFIT BRID	GE RAIL												
SEAL CURBS													
PATCH DECK													
SEAL DECK													
OVERLAY DECK													
REPAIR/REPLAC	E DECK JOINTS												
RESET/ PAINT B	EARINGS												
REPAINT SUPER	STRUCTURE												
STRAIGHTEN/RE	PLACE MEMBERS												
WASHING													
SHOTCRETE RE	PAIRS												
REPAIR ABUTME	ENT SCOUR/EROSI	ON											
PLACE ADDITIO	VAL RIP RAP												
REMOVE DRIFT	ACCUMULATION												
OTHER ACTION	OTHER ACTION		2010	Clean d	Irains.								
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condi (%)	Structural Condition Rating (Last/Now) (%)			0	Sufficiency Rating (Last/Nov (%)		39.3/37.7 E		t. Repl. Yr	2015	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	Bridge programmed	to be re	eplaced.	New bric	lge currently under o	construction.	Department Comments						
Maintenance Rev	iewed By						Date			E	Estimated Total	0	
Proposed Long-T	erm Strategy												
On 3-Year Progra	On 3-Year Program (Y/N)												
Proposed Action													
Previous Inspecto	or's Name	Jason S	Saly			Previous	s Assistant's Name						
Next Inspection D	ate	09-Dec	-2011			Previous	Inspection Date		17-Jul-2008				
Inspection Cycle	(Default) (months)	21											
Comment													