Duidan Cile Nives						-	<u> Bridge In</u>	spection						
Bridge File Num	ber	08342 -1	Bridge					Form Type			PCS			
Year Built/Year		1959/1959						Lot No.		2				
Supstr	•							Inspector Name			Jon Davies			
Bridge or Town I	Name	ORION						Inspector Class		BR CLS B				
Located Over		CANAL C		1.3, WA	TERCR	S-S	T	Assistant Name						
Located On		887:02 C	1 3.933					Assistant Class						
Water Body CI./								Inspection Date			20-Jun-2012			
Navigabil. Cl./Ye	ear							Data Entry By			Lauren Korte			
Legal Land Loca	ation	SW SEC	6 TWP 4	RGE 6	W4M			Data Entry Date			25-Jul-2012)		
Longitude, Latitude -110:48:47, 49:16:03								Reviewer Name			Garry Roberts			
Road Authority Alberta Transportation (AIT)					Т)			Review Da			01-Jul-2012			
Contract Main. Area CMA24								Dept. Rev		ame	Tim Davies			
Clear Roadway/	Skew	8.3 /						Dept. Rev			30-Jul-2012	,		
AADT/Year		90 / 2011	(A)					Follow-Up		0	50-5ui-2012			
Road Classificat	tion	RCU-208	-110					i onow-op	Бу					
Detour Length (ł	km)	10												
Allowable Load (<u> </u>	gle CS1 GIRI			Semi		S2 49 IRDER		Train		3 62 RDER		> On Criti >Critical I	ical Spans Member
Design Loading:	:	HS2	0										> Primary Span	
						Po	osting In	formation						
Required Load F	Posting	(t)		Single				Semi				Truck Train		
Posted Loading	(t)			Single				Semi				Truck Train		
Posted:	Lane	NB		At Junc	tion (Y/N	V)	No	In Adv	ance (Y	Y/N)	No	At Br	idge (Y/N)	No
Posted:	Lane	SB			tion (Y/N	-	No	In Advance (Y/N)		No	At Bridge (Y/N)		No	
Remarks	Not re	a.			v	,			\	,		1		
Hazard Marker A														
			Yes											
			Yes											
Remarks				vwhenv	wet" Cai	utior	n signs N	lorth and S	outh.					
				y when v	wet" Cat		<u> </u>	lorth and S	outh.					
Remarks Other Sign Type	es .	je (1/N)		y when	wet" Cat		<u> </u>	lorth and S ocated at)	outh.					
Remarks Other Sign Type Utility Attachmer	es nts		"Slipper	y when	wet" Cau		<u> </u>	ocated at)	outh.					
Remarks Other Sign Type Utility Attachmer Telephone	es nts Condu	uit West si	"Slipper de.	y when y	wet" Cat		<u> </u>	ocated at) Gas	outh.					
Remarks Other Sign Type Utility Attachmer Telephone Power	es nts Condu		"Slipper de.	y when y	wet" Cau		<u> </u>	ocated at) Gas Municipal						
Remarks Other Sign Type Utility Attachmer Telephone Power Others	es nts Condu	uit West si	"Slipper de.	y when	wet" Cat		<u> </u>	ocated at) Gas		No				
Remarks Other Sign Type Utility Attachmer Telephone Power Others	es nts Condu	uit West si	"Slipper de.	y when y	wet" Cau	Ut	tilities (L	ocated at) Gas Municipal Problem (`		No				
Remarks Other Sign Type Utility Attachmer Telephone Power	es nts Condu	uit West si	"Slipper de.	y when y		Ut	ilities (L Approa	ocated at) Gas Municipal Problem (` ch Road	//N) N		ion			
Remarks Other Sign Type Utility Attachmer Telephone Power Others Remarks	es nts Condu One li	uit West si	"Slipper de.	y when y		Ut	Approad	ocated at) Gas Municipal Problem (`	//N) N		ion			
Remarks Other Sign Type Utility Attachmer Telephone Power Others Remarks Horizontal Alignr	es nts Condu One li	uit West si	"Slipper de.	y when y		Ut ast	Approat Now 9	ocated at) Gas Municipal Problem (` ch Road	//N) N		ion			
Remarks Other Sign Type Utility Attachmer Telephone Power Others Remarks Horizontal Alignme	es nts Condu One lii ment ent	uit West si	"Slipper de. de.	y when y		Ut	Approad	ocated at) Gas Municipal Problem (' ch Road Explanatio	(/N) ► Don of C		ion			
Remarks Other Sign Type Utility Attachmer Telephone Power Others Remarks Horizontal Alignme Roadway Width	es Condu One lin ment ent (m)	uit West si	"Slipper de.	y when y		Ut ast 9 8	Approat Now 9 8	ocated at) Gas Municipal Problem (` ch Road	(/N) ► Don of C		ion			
Remarks Other Sign Type Utility Attachmer Telephone Power Others Remarks Horizontal Alignre Vertical Alignme Roadway Width Approach Bump	es Condu One lin ment ent (m)	uit West si	"Slipper de. de. 8.300	y when y		Ut ast	Approat Now 9	ocated at) Gas Municipal Problem (' ch Road Explanatio	(/N) ► Don of C		ion			
Remarks Other Sign Type Utility Attachmer Telephone Power Others Remarks Horizontal Alignre Vertical Alignme Roadway Width Approach Bump Guardrail (Y/N)	es Condu One lin ment ent (m)	uit West si	"Slipper de. de.	y when y		Ut ast 9 8 6	Approat Now 9 8 6	ocated at) Gas Municipal Problem (' ch Road Explanatio	(/N) ► Don of C		ion			
Remarks Other Sign Type Utility Attachmer Telephone Power Others Remarks Horizontal Alignre Roadway Width Approach Bump Guardrail (Y/N) Guardrail	es Condu One lin ment ent (m)	uit West si	"Slipper de. de. de. 8.300 Yes	y when y		Ut ast 9 8	Approat Now 9 8	ocated at) Gas Municipal Problem (` ch Road Explanation Gravel roa	(/N) N on of C d.		ion			
Remarks Other Sign Type Utility Attachmer Telephone Power Others Remarks Horizontal Alignre Vertical Alignme Roadway Width Approach Bump Guardrail (Y/N) Guardrail Length (m)	es nts Condu One li ment (m) o	uit West si ne East si	"Slipper de. de. 8.300 Yes 15.200	y when y		Ut ast 9 8 6	Approat Now 9 8 6	ocated at) Gas Municipal Problem (' ch Road Explanatio	(/N) N on of C d.		ion			
Remarks Other Sign Type Utility Attachmer Telephone Power Others Remarks Horizontal Alignme Roadway Width Approach Bump Guardrail (Y/N) Guardrail Length (m) Current Standa	es nts Condu One li ment (m) ard (Y/I	uit West si ne East si	"Slipper de. de. 8.300 Yes 15.200 No			Ut ast 9 8 6	Approat Now 9 8 6	ocated at) Gas Municipal Problem (` ch Road Explanation Gravel roa	(/N) N on of C d.		ion			
Remarks Other Sign Type Utility Attachmer Telephone Power Others Remarks Horizontal Alignre Roadway Width Approach Bump Guardrail (Y/N) Guardrail Length (m) Current Standa	es nts Condu One li ment (m) ard (Y/I	uit West si ne East si	"Slipper de. de. 8.300 Yes 15.200			Utt	Approat Now 9 8 6 8	ocated at) Gas Municipal Problem (` ch Road Explanation Gravel roa	(/N) N on of C d.		ion			
Remarks Other Sign Type Utility Attachmer Telephone Power Others Remarks Horizontal Alignme Roadway Width Approach Bump Guardrail (Y/N) Guardrail Length (m) Current Standa	es nts Condu One li ment (m) ard (Y/I	uit West si ne East si	"Slipper de. de. 8.300 Yes 15.200 No			Ut ast 9 8 6	Approat Now 9 8 6	ocated at) Gas Municipal Problem (` ch Road Explanation Gravel roa	(/N) N on of C d.		ion			

						Supers	structure			
Bridge Com	ponent				Last		Explanation of Condition			
(Primary Spa	an : PG, 2 Spa	ns, Leng	ths(n	n): 6.1-6.1, A	-Ident N					
Special Fea	tures									
Special Feat						Х				
(Type :)										
Special Feat	ure					X	-			
(Type :)										
	face/Deck Top	Detail Ra	atinas							
	N (%)	1 (%)		2 (%)	3 (%)					
Last	0	0		0		0	-			
Now	0.0	0.0		0.0).0				
-	Wearing Surface					X				
(Material T					X	~				
(Thickness							-			
	nection Probler	~					-			
(Y/N)	lection Probler	n								
Deck Top					6	6				
Deck Rideat	oility				6	6				
Deck Joints					7	3	Buffer angles at abut. only. Damaged buffer angle and loose at G4 South.			
Bump (Y/N	·	No)			_				
Deck Draina	ge				7	7	-			
Drains Clo	gged (Y/N)	No)							
Curbs/Media	n				4	5				
(Curb Type	e : Standard)						_			
Scaling (P	ercent Area)	1								
Bridge Rail					5	8	2 Layers.			
(Type : ST	EEL FLEX BE	AM)								
Bridge Rail F	Posts				6	6				
(Type : PC	ST STEEL;PC	OST STEE	EL)				Paint is peeling on the posts.			
Bridge Rail/F	Posts Coating				4	4	_			
(Type : PA										
Sidewalk	/				Х	Х				
Girder Detail	Ratings									
	N (count)	1 (count)	2 (count)	3 (cou	unt)				
Last	0	0		0		0				
Now	10	0		0		0				
Girders					6	5	Wide cracks in 2 legs on the SE curb unit with unsound concrete.			
Last Comple	te Inspection D	Date 14	-Jun-	2009			(130MM x 40MM SPALL ON #2 FROM W).			
Cracking (Y/N)	Ye	s				14-June-2009			
Spalling (F	Percent Area)	1					Span 2 not accessible due to high water level.			
Lift or Conne Grouted (Y/N		Ye	s							
(Number Of	Girders : 20)									
Span Alignr	nent Problem	s								
Vertical (Y	/N)	No)							
Horizontal	(Y/N)	No)							
Superstruct	ure General F	Rating			6	5				
		_								

Alberta Transportation

				Subst	ructure
onent			Last	Now	Explanation of Condition
ackwall Piles	s (Y/N) : Y)				
ackwall Piles	s Spacing(mm	n) : 1500)			
of Caps/Cor	rbels : 1:1)				
Caps/Corbe	Is Detail Ratir	ngs			-
N (count)	1 (count)	2 (count)	3 (cou	unt)	-
0	0	0		0	-
0	0	0	_	0	-
			6	5	-
	ER)				-
· · · · · · · · · · · · · · · · · · ·					-
· · · · · · · · · · · · · · · · · · ·				1	
			7	6	Driven sheathing.
ght (m)	2.90		_	1	
			7	6	
of Bearing F				1	
	- IIes . 7 . 7)				-
	1 (count)	2 (count)	3 (00)	unt)	
0	0	0			
			_		
oility			7	6	
			5	5	
			5	5	
-COLUMN)					
of Caps/Cor	rbels : 1)				_
Caps/Corbe	Is Detail Ratir	ngs			2 struts in North span.
N (count)	1 (count)	2 (count)	3 (cou	unt)	_
0	0	0		0	-
0	1	0			_
			6	6	
	ER)				-
					-
· · · · · · · · · · · · · · · · · · ·					
	Piles : 7)				-
		0 (c /		-
	· · · · · · · · · · · · · · · · · · ·				
	0	0			-
	0.75		6	5	
• • •	2.75		0	F	
Sneathing			6	5	
			X	Х	
			Х	Х	
cription :)					
	ackwall Piles ackwall Piles of Caps/Corbe N (count) 0 (Caps/Corbe ATED TIMBI : 300) : 305) astwalls ght (m) of Bearing F tings N (count) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ackwall Piles $(Y/N) : Y)$ ackwall Piles Spacing(mm of Caps/Corbels Detail Ratin N (count) 1 (count) 0 0 0 0 (Caps/Corbels ATED TIMBER) : 300) : 305) astwalls ght (m) 2.90 of Bearing Piles : 7:7) tings N (count) 1 (count) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ackwall Piles (Y/N) : Y) ackwall Piles Spacing(mm) : 1500) of Caps/Corbels : 1:1) (Caps/Corbels Etail Ratings N (count) 1 (count) 2 (count) 0 0 0 0 (Caps/Corbels ATED TIMBER) : 300) : 305) astwalls ght (m) 2.90 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0	ackwall Piles (Y/N) : Y) ackwall Piles Spacing(mm) : 1500) of Caps/Corbels Detail Ratings N (count) 1 (count) 2 (count) 3 (count) 0 0 0 0 200 0 0 7 300) 305) 7 7 astwalls 7.7 7 7 of Bearing Piles : 7:7) 7 7 of Bearing Piles : 7:7 1 (count) 2 (count) 3 (count) 0 0 0 0 6 0 0 0 0 6 0 0 0 0 7 sility 1 (count) 2 (count) 3 (count) of Caps/Corbels : 1) 2 7 5 Caps/Corbels : 1) 2 3 (count) 3 (count) 0 0 0 0 6 </td <td>conentLastNowackwall Piles UV/N) : Y)ackwall Piles UV/N) : Y)ackwall Piles UV/N) : Y)of Caps/CorbeUV: 1500)of Caps/CorbeUV2 (count)000000000000000Caps/CorbeUV2 (count)3 (coUV/N)Caps/CorbeUV2.907astwalls2.907astwalls76ght (m)1 (coUT)2 (count)3 (coUV/N)0000of Bearing PUV2 (count)3 (coUV/N)1 (coUT)2 (count)3 (coUV/N)000</td>	conentLastNowackwall Piles UV/N) : Y)ackwall Piles UV/N) : Y)ackwall Piles UV/N) : Y)of Caps/CorbeUV: 1500)of Caps/CorbeUV2 (count)000000000000000Caps/CorbeUV2 (count)3 (coUV/N)Caps/CorbeUV2.907astwalls2.907astwalls76ght (m)1 (coUT)2 (count)3 (coUV/N)0000of Bearing PUV2 (count)3 (coUV/N)1 (coUT)2 (count)3 (coUV/N)000

Alberta Transportation

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		6	6	
Scour		5	5	
Debris (Y/N)	No			
Substructure General Rating		6	5	
		S	Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				Water comes off dyke fields into road ditch at numerous places at 90
(D/S Direction : W)				degrees U/S.
Alignment		4	4	
Bank Stability		5	5	
HWM (m below Top of Curb)				No HWM visible.
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : NATURAL; NATURAL	_)			
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	: NONE)			
Channel General Rating		4	4	

					Maintenan	ce Recommen	dations						
Inspector Recommendations	Yea	r	Inspecto	or Commen	its		Department Co	ommen	its		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL													
SEAL CURBS													
PATCH DECK													
OVERLAY DECK													
STRAIGHTEN/REPLACE MEMBERS													
WASHING													
SHOTCRETE REPAIRS													
CORE TIMBER CAPS/CORBELS													
REPAIR/REPLACE TIMBER CAPS													
REPAIR ABUTMENT SCOUR/EROSI	NC												
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL STRUTS													
OTHER ACTION	201	2	Replace	or remove	buffer angle	e at G4 A1.							
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/No (%)	ow) 66.7	/55.	6	Sufficien (%)	cy Rating (Last/Now)	68.3/64.9	Es	t. Repl. Yr	2025	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection							Department Comments						
Comments for Next Inspection											Estimated Total	0	
Comments for							Comments				Estimated Total	0	
Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy							Comments				Estimated Total	0	
Comments for Next Inspection Maintenance Reviewed By							Comments				Estimated Total	0	
Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N)	Garry Robe	erts				Previous	Comments	e			Estimated Total	0	
Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name							Comments Date Assistant's Nam	e	14-Jun-2009		Estimated Total	0	
Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action	Garry Robe 20-Sep-201 39						Comments Date	e	14-Jun-2009		Estimated Total	0	