Bridge Inspection														
Bridge File Number 77728 -1 Bridge							For	Form Type PCS						
Year Built/Year		1960/196	60				Lot	No.			1			
Supstr None None None						_ Inst	Inspector Name			Owen Salava				
Bridge or Town Name NORDEGG Located Over SHUNDA CREEK, 6.166, WATE						_ Inst	Inspector Class		BR CLS A					
Located Over				, 6.166, V	VATERO	CRS-ST	Ass	Assistant Name						
Located On	n. /	11:04 C1	48.245				Ass	istant C	Class					
Water Body Cl./Year							_ Inst	Inspection Date 06-Feb-2012						
Navigabil. Cl./Ye		05.050	0.4 714/0	10 505 1			_ Dat	Data Entry By Marcia Chavez						
Legal Land Loca		SE SEC			15 W5M	Dat	a Entry	Date		02-Mar-2012	2			
Longitude, Latitude -116:04:34, 5					•\		Rev	iewer N	Name		John O'Brie	า		
Road Authority Alberta Transporta			ation (ALL)		Rev	iew Da	te		23-Feb-2012	2			
Contract Main. Area CMA18							Dep	ot. Revie	ewer N	ame	Andrew Smi	kles		
Clear Roadway/Skew 13.7 / 0 de							Dep	ot. Revie	ew Dat	е	15-Mar-2012	2		
AADT/Year		930 / 201						low-Up	Ву					
Road Classifica		RAU-213	5.4-120											
			Semi	CS2 49			Train		3 66		> On Critic	al Spans		
GIRDER						GIRDER				GIF	RDER		>Critical M	
Design Loading: HS20				Desting	Inform	nation					> Primary	Span		
Required Load Posting (t) Single					Posting	mon	Semi				Truc	k Train		
Posted Loading (t)			Single				Semi			Truck Train				
Posted:	Lane				ion (V/N) No		In Advance (Y/N)		No			No	
Posted:	Lane	EB At Junction (WB At Junction (`			In Advance (Y/N)		No	At Bridge (Y/N) No			
Remarks			1011 (1711) 110		III Advance (1714) 140 At Blidge (1714) 140				110				
Hazard Marker At Bridge (Y/N) No														
Remarks Not required.														
Other Sign Types Information, Shun			nda Cre	ek, inform	nation.									
other Sign Types Information, Shunda C					Utilities									
Utility Attachments														
Telephone In r/w to south					Gas	3								
Power	3 wire	rires 30m south of c/l.					Mui	nicipal						
Others							Pro	Problem (Y/N) No						
Remarks														
						Appro	ach R	oad						
					La	st Now		Explanation of Condition						
Horizontal Align						7 7	Nor	Nordegg approach 100 m SW.						
Vertical Alignme						8 8								
Roadway Width			13.000											
Approach Bump)					7 7								
Guardrail (Y/N)			Yes				Spli	it post a	t NE co	orner				
Guardrail						4 4								
Length (m)			32.000											
Current Stand	•	N)	No				Insu	ufficient	posts;	not t	hrie beam.			
Termination T	уре		Turn Do	own										
Drainage						7 7								
Approach Roa	d Gene	ral Ratin	g			7 7								

					Cupar	
Bridge Comp	nonont					Explanation of Condition
		nana Lang	ths(m): 6.1-8.5-			
		paris, Leriy	1115(111). 0.1-0.5-	6. I, A-IC	ient iv	umper.)
Special Feature					X	
Special Feature						
(Type:)					V	-
Special Feature					X	
(Type:)						
Wearing Surf				0 (0()		
	N (%)	1 (%)	2 (%)	3 (%)		_
Last	F 0	0.0	0.0			Gravel/snow at curbs.
Now	5.0	0.0	0.0		0.0	
Wearing Surf				7	7	Concrete overlayed with asphalt. ACP stops 300mm short of curb.
(Material Type : ACP)						
(Thickness(mm): 50)						
Lateral Connection Problem (Y/N)						
Deck Top				N	N	
Deck Rideabi	lity			7	7	
Deck Joints			N	N	Paved over. Typical transverse ACP cracks of abutment/piers.	
Bump (Y/N) No						
Deck Drainage				7	7	
Drains Clogged (Y/N) No						
Curbs/Median				3	3	Exposed rebar in numerous locations in exterior curb stirrup
(Curb Type : Standard)						locations. Spalled at S1 under S post.
Scaling (Percent Area) 2						Spalled at 31 under 3 post.
Bridge Rail			6	6	Double layer.	
(Type : GALVANIZED STEEL FLEX BEAM)					Improper splice.	
Bridge Rail Posts			3	3	Curb spalled @ S1 exposing A/B - photo.	
(Type: GALVANIZED POST STEEL;GALVANIZED STEEL)			POST			
Bridge Rail/Posts Coating			7	7		
(Type : GALVANIZED)						
Sidewalk			X	Х		
Girder Detail	Ratings					
J. Gor Dotall	N (count)	1 (count)	2 (count)	3 (cou	ınt)	
Last	14 (ocarri)	i (oodiit)	2 (55411)	0 (000	()	1
Now	0	0	0		0	1
Girders				5	5	
Last Complet	e Inspection	Date 06 F	eb-2012		J	
Cracking (Y	<u> </u>	Yes	OD-2012			7 girders with wide longit. cracking in both legs in AZ with sound
	ercent Area)	0				concrete.
Lift or Connec	ctor Pocket	Yes				Some girders have honeycomb with rust staining in AZ.
Grouted (Y/N	•					1
(Number Of C	•	_				
Span Alignm						
Vertical (Y/I	•	No				-
Horizontal (No				
Superstructu	ire General I	Rating		5	5	

77728 -1 Bridge

Subst						tructure				
Bridge Component Last Now						Explanation of Condition				
Abutments										
(Extended Backwall Piles (Y/N) : Y)						Piles O/S 1.2m and 2.6m.				
(Extended Backwall Piles Spacing(mm) : 2600)										
(Total Number of Caps/Corbels : 3:3)						A2 new caps since 2007.				
Bearing Seats/Caps/Corbels Detail Ratings										
			3 (cou	unt)						
ast				·						
Now 0 0 0				0						
Bearing Seats/Caps/Corbels				6	6					
(Type : TREATED TIMBER)										
(Depth(mr		•								
(Width(mm) : 305)										
Backwalls/B				4	4	A2 sheathing not low enough - photo.				
		1.90		-		- Na should be s				
Greatest Height (m) 1.90 Wingwalls				6	6					
· · · · · · · · · · · · · · · · · · ·										
(Total Numb	oer of Bearing F	Piles : 10:10)								
Piles Detail Ratings										
				3 (cou	unt)					
Last										
Now	0	0	0		0	Split piled banded.				
Piles				5	5					
Paint/Coating			X	X						
					_					
Abutment Stability			5	5						
Scour/Erosion			6	6						
SCOUI/E10SIOII										
Piers/Bents	3									
(Type : PIER-COLUMN)						Appears to have been cored.				
(Total Number of Caps/Corbels : 3:3)						P2 new caps since 2007.				
Bearing Seats/Caps/Corbels Detail Ratings										
	N (count)	1 (count)	2 (count)	3 (cou	unt)					
Last						P1 subcap ends not treated. Vertical cracks both ends - photo.				
Now	0	0	0		0					
Bearing Seats/Caps/Corbels 4					4					
(Type : TREATED TIMBER)										
(Depth(mm) : 305)										
(Width(mn	n) : 356)									
(Total Numb	oer of Bearing F	Piles : 10:10)								
Piles Detail I	Ratings									
	N (count)	1 (count)	2 (count)	3 (cou	unt)					
Last					1					
Now	0	0	0		1	P2p2 cracked near cap - photo.				
	iles			3 3		Split piles banded with 1 exception.				
Pier Shaft/P	Greatest Height (m) 3.00									
	Height (m)	Bracing/Struts/Sheathing			6					
Greatest F			Bracing/Struts/Sheathing							
Greatest F Bracing/Stru				4						
Greatest F				X	X					
Greatest H Bracing/Stru Nose Plate	uts/Sheathing			X						
Greatest H Bracing/Stru Nose Plate Paint/Coatin	uts/Sheathing				X					
Greatest F Bracing/Stru Nose Plate Paint/Coatin (Colour De	uts/Sheathing			X						
Greatest H Bracing/Stru Nose Plate Paint/Coatin	ng escription :)			X						

, moorta Transportation	290			77720 1 Enage
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Scour		6	6	
Debris (Y/N)	No			
Substructure General Rating			3	
		5	Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Enters at 90 degree 15m north of bridge.
(D/S Direction : S)				
Alignment			5	
Bank Stability		6	6	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		5	5	
(Type: RIP RAP; NATURAL)			
Guidebank/Spurs			X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	2 : NONE)			
Channel General Rating		5	5	

		Maintenance Re	Maintenance Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Comments	mments	Target Year	Est. Cost	Cat#
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS	2012	Patch spall @ SP1, 0.1m3 OH-V.					
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Band split pile.					
OTHER ACTION	2012	Install breastwall @ A2, 2 plnks high					
OTHER ACTION	2012	Replace split guardrail post.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)) 44.4/44.4	.4 Sufficiency Rating (Last/Now) (%)	Now) 56.0/56.0	Est. Repl. Yr 2020	Maint. Reqd. (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	Owen Salava		Previous Assistant's Name	40			
Next Inspection Date 0	06-Nov-2013		Previous Inspection Date	04-May-2010			
Inspection Cycle (Default) (months) 21							
Comment							

		Maintenance Re	commend	lations						
Inspector Recommendations	Year	Inspector Comments		Department C	Comme	nts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL										
SEAL CURBS	2012	Patch spall @ SP1, 0.1m3 OH-V.		Programmed				2013		
PATCH DECK										
OVERLAY DECK										
STRAIGHTEN/REPLACE MEMBERS										
WASHING										
SHOTCRETE REPAIRS										
CORE TIMBER CAPS/CORBELS										
REPAIR/REPLACE TIMBER CAPS										
REPAIR ABUTMENT SCOUR/EROSION	N									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL STRUTS										
OTHER ACTION	2012	Band split pile.	Programmed			2013				
OTHER ACTION	2012	Install breastwall @ A2, 2 plnks high	າ.	Programmed			2013			
OTHER ACTION	2012	Replace split guardrail post.		Programmed			2013			
OTHER ACTION										
Structural Condition Rating (Last/Now (%)	v) 44.4/44	Sufficiency Rating (Last/	Now)	56.0/56.0	Es	t. Repl. Yr	2020	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection				Department Comments	Currer	ntly programm	ed to be	replaced in 202	22.	
Maintenance Reviewed By Ar	ndrew Smikle	es		Date	31-Oc	t-2012		Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Ov	wen Salava		Previous	Previous Assistant's Name						
Next Inspection Date 06	6-Nov-2013		Previous	Inspection Date	е	04-May-2010)			
Inspection Cycle (Default) (months) 21										

Bridge Inspection &	Maintananca	System	(Mah 2005)
bridge inspection &	Mannenance	System	(1160 2003)

77728 -1 Bridge

Alberta Transpor	tation
Comment	