

Bridge Inspection												
Bridge File Number	73908 E-1 Bridge					Form Type	PSR					
Year Built/Year Supstr	1971/1971					Lot No.	2					
Bridge or Town Name	CALGARY					Inspector Name	Garry Roberts					
Located Over	CPR;NOSE CREEK, 2.12.32, WATERCRS-ST					Inspector Class	BR CLS A					
Located On	1:09 R1 19.089					Assistant Name						
Water Body Cl./Year						Assistant Class						
Navigabil. Cl./Year						Inspection Date	03-Dec-2012					
Legal Land Location	NE SEC 23 TWP 24 RGE 1 W5M					Data Entry By	Lauren Korte					
Longitude, Latitude	-114:01:50, 51:03:60					Data Entry Date	11-Jan-2013					
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey					
Contract Main. Area	UNDEFINED CMA					Review Date	02-Jan-2013					
Clear Roadway/Skew	15.2 /					Dept. Reviewer Name	Tim Davies					
AADT/Year						Dept. Review Date	22-Jan-2013					
Road Classification	RLU-208-100					Follow-Up By						
Detour Length (km)	1											
Allowable Load (t):	Single			Semi			Train				----> On Critical Spans	
Design Loading:	HS20									---->Critical Member		
										----> Primary Span		
Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)			No									
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks		Not required.										
Required Load Posting (t)			Single			Semi			Truck Train			
Posted Loading (t)			Single	30.0		Semi	47.0		Truck Train	63.0		
Posted:	Lane	EB	At Junction (Y/N)	No		In Advance (Y/N)	No		At Bridge (Y/N)	Yes		
Posted:	Lane	WB	At Junction (Y/N)			In Advance (Y/N)			At Bridge (Y/N)			
Remarks												
Hazard Marker At Bridge (Y/N)		No										
Remarks												
Other Sign Types		Route.										
Utilities (Located at)												
Utility Attachments		GAS UTILITIES-GAS LINE; TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE										
Telephone	Under span 2 & North curb.					Gas	Gasoline 20m S/manhole swlk E/W.					
Power	7W @ W & S-11 W under West span.					Municipal	Manhole @ NW of ctr pier.					
Others	Light standards.					Problem (Y/N)	No					
Remarks		Conduit under North curb.										
Approach Road												
			Last	Now	Explanation of Condition							
Horizontal Alignment			6	6	B4306.							
Vertical Alignment			5	6								
Roadway Width (m)		16.000										
Approach Bump		7 7										
Guardrail (Y/N)		Yes										
Guardrail		6 5										
Length (m)		65.000										
Current Standard (Y/N)		Yes										
Termination Type		TURNDOWN										
Drainage		7 7										
		Parapets. Displaced 30mm at SE.										

Approach Road							
		Last	Now	Explanation of Condition			
Approach Road General Rating		5	6				
Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : PJ, 4 Spans, Lengths(m): 21.9-30.5-30.5-21.6, A-Ident Number:)							
Special Features							
Special Feature			X				
(Type :)							
Special Feature			X				
(Type :)							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)	2 (%)	3 (%)	10% snow covered.		
Last	0	0	0	0			
Now	10.0	0.0	0.0	0.0			
Wearing Surface		8	7	PMA.			
(Material Type : POLYMER MODIFIED ACP)							
(Thickness(mm) : 50)							
Lateral Connection Problem (Y/N)		No					
Deck Top		N	N	Paved over.			
Deck Rideability		8	8				
Deck Joints		8	8				
Temperature (deg. C)		-11					
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))							
(Fixed Type :)							
Gap Size (mm)		Gap Location					
90		East abut					
90		West abut					
Deck Drainage		8	8				
Drains Clogged (Y/N)		No					
Curbs/Median		4	4	Isolated corrosion staining. Several spalls at South exterior parapet at plastic posts - some are over top of pedestrian path.			
(Curb Type : JERSEY/F SHAPE)							
Scaling (Percent Area)		0					
Bridge Rail		7	7	Plastic Bridgerail.			
(Type : PLASTIC BRIDGE RAIL BRIDGE TUBE)							
Bridge Rail Posts		7	7				
(Type :)							
Bridge Rail/Posts Coating		X	6				
(Type : PAINT)							
Sidewalk		7	7				
Girder Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0	0	0	0			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PJ, 4 Spans, Lengths(m): 21.9-30.5-30.5-21.6, A-Ident Number:)				
Girders		6	6	Isolated corrosion @ #3 @ East abut.
Cracking (Y/N)	No			
Spalling (Percent Area)	0			
(Number Of Girders : 6)				
Diaphragms/Cross Frame		7	7	
Bearings		5	5	Integral @ center pier. East abut sliders are starting to delaminate.
Temperature (deg. C)	-11			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Isolated areas of efflorescence & corrosion @ deck underside & deck underside exterior @ construction joints.
Stains (Percent Area)	2			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		6	6	Random cracks.
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		6	6	
Piles		N	N	Buried.
Paint/Coating		6	6	Graffiti.
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		8	8	Massive piers.
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0:0)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		7	6	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Nose creek under Sp.3.
(D/S Direction : S)				
Alignment		8	8	
Bank Stability		5	5	Steep cut banks.
HWM (m below Top of Curb)	9.0			No visible HWM.
Drift (Y/N)	No			
Slope Protection		6	6	Natural with some rock.
(Type : CONCRETE; CONCRETE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	
Grade Separation				
Road Alignment		7	7	Pedway and railroad under Sp.2.
Traffic Safety Features		7	7	
Type	Fencing			
Slope Protection		5	5	50mm wide cracks and 75mm heave @ West - under bridge - no action required.
(Type : CONCRETE; CONCRETE)				
Bank Stability		7	7	
Drainage		7	7	
Grade Separation General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2013	Patch parapet spalls approx 1.5m2					
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/61.1	Sufficiency Rating (Last/Now) (%)	72.1/69.6	Est. Repl. Yr	2045	Maint. Req. (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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	03-Mar-2016		Previous Inspection Date	12-Apr-2011			
Inspection Cycle (Default) (months)	39						
Comment							