

Bridge Inspection										
Bridge File Number	74599 E-4 Bridge				Form Type	PCS				
Year Built/Year Supstr	2002/2002				Lot No.	4				
Bridge or Town Name	MORLEY				Inspector Name	Garry Roberts				
Located Over	68:04 C1 37.122				Inspector Class	BR CLS A				
Located On	1:06 R1 3.129				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	11-Feb-2012				
Legal Land Location	SW SEC 18 TWP 25 RGE 5 W5M				Data Entry By	Erin Roberts				
Longitude, Latitude	-114:41:39, 51:07:52				Data Entry Date	14-Mar-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey				
Contract Main. Area	CMA28				Review Date	22-Feb-2012				
Clear Roadway/Skew	12.9 /				Dept. Reviewer Name	Tim Davies				
AADT/Year	17,990 / 2010 (A)				Dept. Review Date	22-Mar-2012				
Road Classification	RFD-412.4-130				Follow-Up By					
Detour Length (km)	1									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		----> On Critical Spans ---->Critical Member
Design Loading:	CS750				----> Primary Span					

Posting Information												
Required Vert. Clearance Posting (m)			UNDER: 68 C1 5.5m									
Posted Vertical Clearance (Y/N)			Yes									
Posted:	Lane	NB	On Bridge (m)	5.5	In Advance (Y/N)	Yes	Lane	SB	On Bridge (m)		In Advance (Y/N)	Yes
Remarks		Posted on bridge to North 5.5m										
Required Load Posting (t)			Single				Semi				Truck Train	
Posted Loading (t)			Single				Semi				Truck Train	
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Posted:	Lane	WB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)					
Remarks		Not req.										

Hazard Marker At Bridge (Y/N)	No										
Remarks											
Other Sign Types											

Utilities (Located at)											
Utility Attachments											
Telephone					Gas						
Power	SE				Municipal						
Others	Fiber Optics in area				Problem (Y/N)	No					
Remarks											

Approach Road											
			Last	Now	Explanation of Condition						
Horizontal Alignment			8	8	Exit and Merge lanes						
Vertical Alignment			7	7							
Roadway Width (m)		12.500									
Approach Bump			5	5							
Guardrail (Y/N)		Yes									
Guardrail			7	7							
Length (m)		72.000									
Current Standard (Y/N)		Yes									
Termination Type		TURN DOWN									
Drainage			7	6	Minor erosion SE.						
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>							

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SCC, 1 Spans, Lengths(m): 13, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature					
(Type : )					
Special Feature					
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			6	6	Hairline/Narrow shrinkage cracks.
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			8	8	Buffer angles.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	Narrow vertical cracks at 0.4 m at curb face.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			8	8	
(Type : <b>THRIE BEAM</b> )					
Bridge Rail Posts			8	8	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			8	8	
Last Complete Inspection Date		11-Feb-2012			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>11</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>8</b>	<b>8</b>	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>N</b> )						
(Extended Backwall Piles Spacing(mm) : )						
(Total Number of Caps/Corbels : <b>1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				8	8	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>993</b> )						
(Width(mm) : <b>1300</b> )						
Backwalls/Breastwalls			6	6		
Greatest Height (m)		6.00				
Wingwalls			6	6		
(Total Number of Bearing Piles : <b>0:0</b> )				Buried.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	1	0	0	0		
<b>Now</b>	1	0	0	0		
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				X	X	
<b>Piers/Bents</b>						
(Type : )						
(Total Number of Caps/Corbels : )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				X	X	
(Type : )						
(Depth(mm) : )						
(Width(mm) : )						
(Total Number of Bearing Piles : )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description : )						
(Colour Code : )						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>8</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		5	5	T-intersection North.
Traffic Safety Features		8	8	
Type	THRIE BEAM			
Slope Protection (Type : <b>CONCRETE; CONCRETE</b> )		X	7	
Bank Stability		7	7	
Drainage		6	6	
<b>Grade Separation General Rating</b>		<b>5</b>	<b>5</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	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/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>88.9/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>75.7/73.2</b>	Est. Repl. Yr	2068	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Continue epoxy flood coat sealing at each cycle.		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	11-Nov-2013		Previous Inspection Date	15-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							