

Bridge Inspection										
Bridge File Number	74599 W-3 Bridge					Form Type	PCS			
Year Built/Year Supstr	2002/2002					Lot No.	2			
Bridge or Town Name	MORLEY					Inspector Name	Garry Roberts			
Located Over	25124:02 C1 37.238					Inspector Class	BR CLS A			
Located On	1:06 L1 3.116					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	Lauren Korte			
Longitude, Latitude	-114:41:39, 51:07:53					Data Entry Date	13-Mar-2012			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey			
Contract Main. Area	CMA28					Review Date	21-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: 25124 C1 5.4m											
Posted Vertical Clearance (Y/N)			Yes											
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	Yes	Lane	SB	On Bridge (m)	5.5	In Advance (Y/N)	Yes		
Remarks		Posted on bridge to south 5.5m												
Required Load Posting (t)			Single					Semi				Truck Train		
Posted Loading (t)			Single					Semi				Truck Train		
Posted:	Lane	EB	At Junction (Y/N)					In Advance (Y/N)				At Bridge (Y/N)		
Posted:	Lane	WB	At Junction (Y/N)		No			In Advance (Y/N)		No			At Bridge (Y/N)	No
Remarks		Not Required												

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

Utilities (Located at)									
Utility Attachments									
Telephone						Gas			
Power	SE.					Municipal			
Others	Fibre 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			300mm bend @ NE
Approach Bump		5	5	
Guardrail (Y/N)	Yes			
Guardrail		5	5	
Length (m)	72.000			
Current Standard (Y/N)	Yes			
Termination Type	TURNDOWN ENDS			
Drainage		7	7	
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 1 Spans, Lengths(m): 13, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			6	6	Extensive hairline/narrow shrinkage cracks throughout.
(Material Type : CONCRETE)					
(Thickness(mm) : 70)					
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			4	4	Ponds 60mm deep to shoulder line
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	Hairline vertical cracks @ 0.4m.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	
(Type : THRIE BEAM)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type :)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	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 : 11)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			8	8	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				8	8	
(Type : CONCRETE)						
(Depth(mm) : 993)						
(Width(mm) : 1300)						
Backwalls/Breastwalls			6	6		
Greatest Height (m)		6.00				
Wingwalls			6	6		
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	1	0	0	0		
Now	1	0	0	0		
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				X	X	
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
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)		
Last						
Now						
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			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		5	5	T intersection North.
Traffic Safety Features		7	7	
Type	THRIE BEAM			
Slope Protection		X	7	
(Type : CONCRETE; CONCRETE)				
Bank Stability		7	7	
Drainage		7	7	
Grade Separation General Rating		5	5	

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	2012	Sawcut opening in SE approach curb to improve drainage/ eliminate ponding					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	73.2/73.2	Est. Repl. Yr	2068	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	11-Nov-2013		Previous Inspection Date	15-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							