

Bridge Inspection										
Bridge File Number	75217 SE3-4 Bridge				Form Type	SG				
Year Built/Year Supstr	2011/2011				Lot No.	4				
Bridge or Town Name	FT MCMURRAY				Inspector Name	Dave Lam				
Located Over	LOCAL ROAD				Inspector Class	BR CLS A				
Located On	63:11 L2 12.971				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	07-Sep-2011				
Legal Land Location	SE SEC 20 TWP 89 RGE 9 W4M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-111:23:27, 56:43:48				Data Entry Date	16-Nov-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA07				Review Date	28-Oct-2011				
Clear Roadway/Skew	20.3 /				Dept. Reviewer Name	Brent Herrick				
AADT/Year	55,300 / 2010 (A)				Dept. Review Date	15-Dec-2011				
Road Classification	RAU-213.4-110				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:	CL800				----> Primary Span					

Posting Information										
Required Vert. Clearance Posting (m)										
Posted Vertical Clearance (Y/N)					Yes					
Posted:	Lane	EB	On Bridge (m)		In Advance (Y/N)		Lane	WB	On Bridge (m)	In Advance (Y/N)
Remarks	Franklin Ave. not yet complete - clearance sign not yet installed.									
Required Load Posting (t)		Single		Semi		Truck Train				
Posted Loading (t)		Single		Semi		Truck Train				
Posted:	Lane	WB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)			
Posted:	Lane	EB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)			
Remarks	Not req'd									
Hazard Marker At Bridge (Y/N)		No								
Remarks		Not req'd								
Other Sign Types										

Utilities (Located at)									
Utility Attachments									
Telephone	Typical urban setting				Gas				
Power	@ both ends				Municipal	typical urban setting			
Others					Problem (Y/N)	No			
Remarks									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment			6	Horiz. curve at both ends
Vertical Alignment			6	Grade to West.
Roadway Width (m)	21.000			Approch road under construction, not yet complete
Approach Bump			N	
Guardrail (Y/N)	Yes			Not yet complete-by other
Guardrail			N	
Length (m)				
Current Standard (Y/N)				
Termination Type				
Drainage			7	
Approach Road General Rating			6	

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : RB, 1 Spans, Lengths(m): 21, A-Ident Number:)						
Special Features						
Special Feature					9	"Fast" deicing system yet to be installed at both abutment piles(& monitoring device). Both abutments-minor chip @ S wall panel.
(Type :)						
Special Feature					7	
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last						
Now						
Wearing Surface					4	Approx 4m wide, full width @ both abutments, needs to be removed/repaved under contract 7054/08.
(Material Type : ACP)						
(Thickness(mm) : 90)						
Deck Top					8	Inspected during construction
Deck Rideability					4	Equipment/vehicles parked on top of bridge. ACP at both abutment ends (approx 4m wide) have been identified as a deficiency during construction and the Contractor will remedy prior to being issued the CCC.
Deck Joints					X	Typ3-A1 & A2
Temperature (deg. C)	32					
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)	Gap Location					
	E abut					
	W abut					
Deck Drainage					8	No deck drains
Drains Clogged (Y/N)						
Curbs/Median					8	Parapet
(Curb Type : None)						
Scaling (Percent Area)						
Bridge Rail					X	
(Type :)						
Bridge Rail Posts					X	
(Type :)						
Bridge Rail/Posts Coating					X	
(Type :)						
Sidewalk					X	
Girder/Beam						
Cover Plate					X	
Flange					9	
Web					9	
Stiffeners					9	
Splice					X	
Weld					9	
Diaphragms/Cross Frame					9	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 1 Spans, Lengths(m): 21, A-Ident Number:)				
Paint Condition			N	weathering steel
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings			N	Too high to inspect, not accessible but inspected during installation.
Temperature (deg. C)	22			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside			8	
Stains (Percent Area)				
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating			8	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps			9	
(Type : CONCRETE)				
Backwalls/Breastwalls			9	Secant Pile wall- SS flashing installed on top of PC wall panels.
Wingwalls			7	Precast panels, minor chip in one panel @ S end.-photo
Piles			7	
Paint/Coating			9	Architectural features on PC wall panels.
Abutment Stability			9	
Scour/Erosion			9	
Piers/Bents				
(Type :)				
Bearing Seats/Caps			X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles			X	
Bracing/Struts/Sheathing			X	
Nose Plate			X	
Paint/Coating			X	
(Colour Description :)				
(Colour Code :)				
Pier Stability			X	
Scour			X	
Debris (Y/N)	No			
Substructure General Rating			7	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment			7	Horiz. curve @ both ends.
Traffic Safety Features			9	both sides
Type	Concrete Parapet			
Slope Protection			X	
(Type :)				
Bank Stability			9	
Drainage			9	Concrete gutter/swale
Grade Separation General Rating			7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
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) (%)	/83.3	Sufficiency Rating (Last/Now) (%)	/63.3	Est. Repl. Yr	2086	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Deficiencies to be completed within Contract 7054/08 by contractor.		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			Previous Assistant's Name				
Next Inspection Date	07-Jun-2013		Previous Inspection Date				
Inspection Cycle (Default) (months)	21						
Comment							