

Bridge Inspection											
Bridge File Number	71340 E-1 Bridge				Form Type	SG					
Year Built/Year Supstr	1982/1982				Lot No.	4					
Bridge or Town Name	DUNMORE				Inspector Name	Tom Carey					
Located Over	CPR				Inspector Class	BR CLS A					
Located On	1:22 R1 0.574				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	09-Feb-2012					
Legal Land Location	NE SEC 9 TWP 12 RGE 5 W4M				Data Entry By	Anne Roberts					
Longitude, Latitude	-110:37:19, 49:59:08				Data Entry Date	26-Mar-2012					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts					
Contract Main. Area	CMA23				Review Date	26-Feb-2012					
Clear Roadway/Skew	12.5 / -54 deg. (LHF)				Dept. Reviewer Name	Tim Davies					
AADT/Year	9,190 / 2011 (A)				Dept. Review Date	29-Mar-2012					
Road Classification	RAD-412.4-120				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:	MS300									----> 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)		Lane	SB	On Bridge (m)	In Advance (Y/N)	
Remarks	Not Required										
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 required										

Hazard Marker At Bridge (Y/N)	Yes									
Remarks										
Other Sign Types	BRIDGE ICES									

Utilities (Located at)										
Utility Attachments										
Telephone	South R/W				Gas					
Power	60m FROM C.L. TO N 5 WIRE.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	Not thriebeam - none at NE
Vertical Alignment		6	6	
Roadway Width (m)	12.500			
Approach Bump		8	8	
Guardrail (Y/N)	Yes			
Guardrail		4	7	
Length (m)	50.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>WG, 3 Spans, Lengths(m): 24-28-24, A-Ident Number: A0912-01</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			9	8		
(Material Type : <b>CONCRETE</b> )						
(Thickness(mm) : <b>70</b> )						
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			9	8		
Temperature (deg. C)		-10				
(Expansion Type : <b>FINGER PLATES</b> )						
(Fixed Type : <b>FINGER PLATES</b> )						
Gap Size (mm)		Gap Location				
120		East				
120		West				
Deck Drainage			7	7	NO DRAINS.	
Drains Clogged (Y/N)		No				
Curbs/Median			7	7	Flex cracks h.line to 2mm spaced 0.3-0.8 m apart, leaching lower face.	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		0				
Bridge Rail			8	8		
(Type : <b>BRIDGE TUBE</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		
<b>Girder/Beam</b>						
Cover Plate			X	X	Minor sag in bot flange of ext girder	
Flange			8	8		
Web			8	8		
Stiffeners			8	8		
Splice			8	8		
Weld			8	8		
Diaphragms/Cross Frame			7	7		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>WG, 3 Spans, Lengths(m): 24-28-24, A-Ident Number: A0912-01</b> )				
Paint Condition		X	X	CORROSION SCALING @ NW EXTERIOR. Weathering Steel
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings		8	8	MINOR CORROSION @ NW EXTERIOR.
Temperature (deg. C)	-10			
(Expansion Type : <b>REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL</b> )				
(Fixed Type : <b>ROCKER BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Hairline, transv cracks every .3 -.5 m with leaching @ 25%.
Stains (Percent Area)	5			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>6</b>	<b>6</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		7	7	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		7	7	
Wingwalls		6	6	
Piles		N	N	Buried
Paint/Coating		5	5	Graffiti at both abutments
Abutment Stability		8	8	
Scour/Erosion		X	X	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>6:6</b> )				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		8	8	
Nose Plate		X	X	
Paint/Coating		7	7	
(Colour Description : <b>BROWN</b> )				
(Colour Code : <b>30252</b> )				
Pier Stability		8	8	
Scour		X	X	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Substructure General Rating</b>		<b>7</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		X	X	
Traffic Safety Features		X	X	
Type				
Slope Protection		7	7	
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability		7	7	
Drainage		7	7	
<b>Grade Separation General Rating</b>		<b>7</b>	<b>7</b>	

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						

<b>Structural Condition Rating (Last/Now) (%)</b>	<b>72.2/72.2</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>67.1/67.1</b>	Est. Repl. Yr	2052	Maint. Req. (Y/N)	No
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Special Comments for Next Inspection		Department Comments	
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Maintenance Reviewed By		Date		Estimated Total	0
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Proposed Long-Term Strategy					
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On 3-Year Program (Y/N)					
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Proposed Action					
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Previous Inspector's Name	Garry Roberts	Previous Assistant's Name			
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Next Inspection Date	09-Nov-2013	Previous Inspection Date	21-Jul-2010		
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Inspection Cycle (Default) (months)	21				
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Comment					
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