

Bridge Inspection							
Bridge File Number	72700 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1972/1972			Lot No.	2		
Bridge or Town Name	CASLAN			Inspector Name	Todd Warshawski		
Located Over	AMISK RIVER, 7.25, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	855:22 C1 33.924			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	20-Feb-2013		
Legal Land Location	SW SEC 7 TWP 65 RGE 16 W4M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-112:25:26, 54:36:28			Data Entry Date	19-Mar-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA07			Review Date	17-Mar-2013		
Clear Roadway/Skew	9.1 /			Dept. Reviewer Name	Brent Herrick		
AADT/Year	480 / 2011 (A)			Dept. Review Date	20-Mar-2013		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	50						
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 75 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20				----> Primary Span		

Posting Information								
Required Load Posting (t)	Single				Semi		Truck Train	
Posted Loading (t)	Single				Semi		Truck Train	
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No
Remarks	Not required.							
Hazard Marker At Bridge (Y/N)	Yes							
Remarks	NW is set to high.							
Other Sign Types								

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	Conduit on West side. Attached to curb.		Gas
Power			Municipal
Others	Fibre optic in East r/w.		Problem (Y/N) Yes
Remarks	Cable conduit damaged at NW.		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Curve to the east at the North end of the bridge. Hill/Crest to South
Vertical Alignment		7	7	
Roadway Width (m)	10.500			Slight bump at North end.
Approach Bump		6	5	
Guardrail (Y/N)	Yes			Snow covered
Guardrail		7	N	
Length (m)	15.200			
Current Standard (Y/N)	No			
Termination Type	Turned Down			
Drainage		7	N	Snow covered
Approach Road General Rating		6	5	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 3 Spans, Lengths(m): 8.5-8.5-8.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	100				
Now					
Wearing Surface			N	5	Cracks in ACP over girder joints have been sealed. Girder scrapes at girder ends.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	
Deck Rideability			7	6	
Deck Joints			N	N	Buffer angles. Paved over.
Bump (Y/N)		Yes			
Deck Drainage			N	N	Snow along curbs.
Drains Clogged (Y/N)		No			
Curbs/Median			N	N	Semi lightweight concrete deteriorating below rail posts. Scaling both sides, plow scrapes.-10-Sep-2009 Snow covered Spalls noted on outer curb fascia.
(Curb Type : Standard)					
Scaling (Percent Area)		50			
Bridge Rail			7	6	Single layer. Concrete spalls at several bridgerail post anchorages.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			7	3	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	N	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last				6	
Now				8	
Girders			3	3	Wide longitudinal cracking on all girders. Concrete spalls in 22 Of 33 girders. Concrete spalls within AZ on both legs of SP1-G10, SP2-G7. End spalls in outer bearing areas of all curb units, concrete does not appear to be sound. Narrow shear cracks on SP1-G5, SP2-G5,6 &7. Several repaired punchouts. Concrete debris on ice points to recent deterioration.
Last Complete Inspection Date		20-Feb-2013			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 33)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	3	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1600)						
(Total Number of Caps/Corbels : 3:3)				Cored Feb, 2013		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				7	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls				7	6	Minor gaps in S abutment planks.
Greatest Height (m)		1.00				
Wingwalls				7	N	Buried in snow.
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles				7	4	Cored Feb, 2013
Paint/Coating				X	X	Small reas of rot in AB1-P7 at back of drift pin.
Abutment Stability				7	7	
Scour/Erosion				7	5	Minor erosion of S ab.- photo
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				7	6	Vertical and horizontal checks along upper East cap on Pier 2.
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 350)						
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last				Minor splits on Pier 1-P6 and Pier 2-P6.		
Now				2.5m to ice leve.		
Pier Shaft/Piles				6	4	
Greatest Height (m)		3.10				
Bracing/Struts/Sheathing				7	7	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
Pier Stability				7	7	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	5	Minor erosion on S AB. due to drainage.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2013	Seal cracks at abutments.					
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	2013	Replace curb units & 2 interior units.					
OTHER ACTION	2013	Treat and band 2 piles.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	59.1/56.1	Est. Repl. Yr	2018	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor abutment pile rot AB1-P7. Complete Assessment before scheduling repairs.		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	Kris Bosters		Previous Assistant's Name	Brian Cote			
Next Inspection Date	20-May-2016		Previous Inspection Date	11-Dec-2012			
Inspection Cycle (Default) (months)	39						
Comment							