

Bridge Inspection									
Bridge File Number	85020 WR-3 Bridge				Form Type	CON			
Year Built/Year Supstr	2006/2006				Lot No.	3			
Bridge or Town Name	ANTHONY HENDAY DRIVE				Inspector Name	Wade Nanninga			
Located Over	BLACKMUD CREEK, 6.95.2, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	216:06 R2 1.519				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	27-Feb-2013			
Legal Land Location	NW SEC 29 TWP 51 RGE 24 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:30:46, 53:26:06				Data Entry Date	19-Mar-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	ANTHONY HENDAY DRIVE				Review Date	14-Mar-2013			
Clear Roadway/Skew	21.5 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	51,020 / 2011 (A)				Dept. Review Date	20-Mar-2013			
Road Classification	RFD-412.4-110				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:							----> Primary Span		

Posting Information									
Required Load Posting (t)	Single				Semi				Truck Train
Posted Loading (t)	Single				Semi				Truck Train
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	EB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)		
Remarks	Not required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	Street lighting.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	Horizontal & vertical curves both directions.				
Vertical Alignment			8	8					
Roadway Width (m)	21.500				Approach slab settled 20mm at both abutments.-photo				
Approach Bump			5	4					
Guardrail (Y/N)	Yes								
Guardrail			9	4	Curb at NE approach is broken-photo Void around post @ SE affecting post anchorage.				
Length (m)	60.000								
Current Standard (Y/N)	Yes								
Termination Type	Crash terminal								
Drainage			3	4	Erosion at SE corner protected with rock. 1m deep x 2m wide erosion hole and gullies at backwall on NE corner of bridge.-photo				
Approach Road General Rating			8	8					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CA, 3 Spans, Lengths(m): 16.5-41.6-16.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now					
Wearing Surface			5	4	Transverse and longitudinal cracks in ACP. Potholes/unravelling in South lane.
(Material Type : ACP)					
(Thickness(mm) : 80)					
Deck Top			N	N	
Deck Rideability			9	8	
Deck Joints			X	X	Integral.
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			9	9	No drains.
Drains Clogged (Y/N)		No			
Curbs/Median			9	8	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			9	9	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			9	9	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			9	8	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girders			9	9	Concrete box section.
Diaphragms/Cross Frame			X	X	
Bearings			N	N	20mm thick.
Temperature (deg. C)		-5			
(Expansion Type : REINFORCED PAD BEARING)					
(Fixed Type :)					
Coating Adequate (Y/N)		Yes			
Functioning (Y/N)		Yes			
Deck Underside			9	9	
Stains (Percent Area)		0			
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CA, 3 Spans, Lengths(m): 16.5-41.6-16.5, A-Ident Number:)				
Superstructure General Rating		9	9	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		9	9	
Backwalls/Breastwalls		9	9	
Wingwalls		7	6	SE wingwall protected with rock. Stained/cracking all wingwalls.
Piles		N	8	Diagonal concrete supports - narrow ida. cracks.
Paint/Coating		9	8	
Abutment Stability		9	9	
Scour/Erosion		3	4	Scour hole at NE.-photo
Piers/Bents				
(Type : PIER-COLUMN)				Arch with concrete walls supporting box girders.
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
Pier Shaft/Piles		9	8	Narrow hairline random cracking.
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		9	9	
Scour		9	9	
Debris (Y/N)	No			
Substructure General Rating		9	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		3	4	Lower section rock, mid granular, upper section bark mulch. Scour hole at NE.-photo
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				

Structure Usage				
		Last	Now	Explanation of Condition
Channel General Rating		3	4	

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	2013	Seal cracks in approach ACP and patch deck ACP.					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Repair scour and install armour at NE wingwall and backwall.					
OTHER ACTION	2013	Repair approach curb at NE.					
OTHER ACTION	2013	Fill void @ SE guardrail.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	100.0/94.4	Sufficiency Rating (Last/Now) (%)	75.5/74.7	Est. Repl. Yr	2080	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor settlement of approach slabs.		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				
Next Inspection Date	27-Nov-2014		Previous Inspection Date	29-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							