

Bridge Inspection											
Bridge File Number	76648 -1 Bridge					Form Type	SG				
Year Built/Year Supstr	1969/1969					Lot No.	2				
Bridge or Town Name	CLOVERBAR 06					Inspector Name	Wade Nanninga				
Located Over	16:18 R1 2.451;16:18 L1 2.457;RAMP 88-1 A					Inspector Class	BR CLS A				
Located On	25103:02 L1 0.166;25103:02 R1 0.164					Assistant Name					
Water Body Cl./Year						Assistant Class					
Navigabil. Cl./Year						Inspection Date	18-Jan-2013				
Legal Land Location	NW SEC 10 TWP 53 RGE 23 W4M					Data Entry By	Theresa Lacusta				
Longitude, Latitude	-113:19:12, 53:34:11					Data Entry Date	22-Jan-2013				
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Eric Carcoux				
Contract Main. Area	ANTHONY HENDAY DRIVE					Review Date	20-Jan-2013				
Clear Roadway/Skew	11.6 /					Dept. Reviewer Name	Brent Herrick				
AADT/Year	14,000 / 2013 (E)					Dept. Review Date	23-Jan-2013				
Road Classification	RCU-210-110					Follow-Up By					
Detour Length (km)	3										
Allowable Load (t):	Single	H 48 GIRDER			Semi	HS 56 GIRDER		Train	CS3 62 GIRDER		----> On Critical Spans ---->Critical Member
Design Loading:	HS20					----> Primary Span					

Posting Information												
Required Vert. Clearance Posting (m)		UNDER: 16 L1 5.3m, 16 R1 5.3m										
Posted Vertical Clearance (Y/N)												
Posted:	Lane	EB	On Bridge (m)	5.3	In Advance (Y/N)	Yes	Lane	WB	On Bridge (m)	5.4	In Advance (Y/N)	Yes
Remarks												
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 req'd.										
Hazard Marker At Bridge (Y/N)		No										
Remarks		Not required.										
Other Sign Types		Information, Traffic signals ahead.										

Utilities (Located at)				
Utility Attachments				
Telephone	West ROW		Gas	Runs along East ROW
Power	SW eun-3 line		Municipal	
Others	Light standards NW and SW corners.		Problem (Y/N)	Yes
Remarks		Power conduit @ NE corner completely rusted through.		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Typical grade separation.
Vertical Alignment		7	7	
Roadway Width (m)	11.600			Potholes @ both approaches
Approach Bump		5	4	
Guardrail (Y/N)	Yes			Minor dents; still functional.
Guardrail		5	5	Insufficient posts. No thrie beam
Length (m)	64.600			
Current Standard (Y/N)	No			
Termination Type	Turned Down			
Drainage		4	N	Erosion gully @ SW corner.-photo-24-Sep-2010
Approach Road General Rating		7	7	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : WG, 2 Spans, Lengths(m): 45.7-39.6, A-Ident Number: A0610-01;A0612-01)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0	2		
Now	10.0			2.0		
Wearing Surface				3	3	1-500x700mm and 1-1000x600mm areas in N.B.L near center of span possible punchouts/earing surface deteriorated.-photo Partially filled.
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 50)						
Deck Top				N	N	
Deck Rideability				5	4	
Deck Joints				3	3	Sealant placed in joints. North approach slab appears to have settled 30mm. Water leaking on South abut.
Temperature (deg. C)		6				
(Expansion Type :)						
(Fixed Type : COMPRESSION SEAL (ACME SEALS))						
Gap Size (mm)		Gap Location				
42		S. abut				
65		N. abut				
Deck Drainage				4	4	Water through joints may be causing damage to seats, breastwall and slope protection. No drains.
Drains Clogged (Y/N)						
Curbs/Median				3	3	Medium transverse cracks in median. 4 holes near NE.-photo Coating 40% peeled on ext of parapets. Rebar showing on east side.-photo Exposed void along East parapet.-photo Numerous random spalls.
(Curb Type : NEW JERSEY)						
Scaling (Percent Area)		15				
Bridge Rail				7	7	Rail on top of parapet. Paint is almost all worn off, 75% failed (galvanizing under paint is intact). Dirty.
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts				7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating				7	7	
(Type : GALVANIZED)						
Sidewalk				X	X	
Girder/Beam						
Cover Plate				X	X	Box sections
Flange				7	7	
Web				7	7	
Stiffeners				N	N	
Splice				X	X	
Weld				7	7	
Diaphragms/Cross Frame				7	7	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 2 Spans, Lengths(m): 45.7-39.6, A-Ident Number: A0610-01;A0612-01)				
Paint Condition		4	4	Superficial corrosion on girder edges and bottoms. Worst on span 1. Green.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		N	N	(On south abutment on centre box girder, 1 of the 2 neoprene pads is out of position - 94/08/05). Too high to see @ abutments. Pier bearings inspected from headslopes with binoculars-no issues apparent.
Temperature (deg. C)	6			
(Expansion Type :)				
(Fixed Type : SLIDING PLATE)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		3	4	Spot rusting between S2G2/G3 & small spall @ S2G2/G3, S1G2/G3. Transverse cracks random. Couple spalls near S.A. between G2/G3. Delamination between G2 and G3 over W.B.L. Staining with efflorescence between G2 & G3 over pier and 8m S of pier.
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			Wide transverse crack between G2 and G3 over E.B.L. Appears to be near deck/wearing surface damage.-photo
Horizontal (Y/N)	No			
Superstructure General Rating		3	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		5	5	
(Type : CONCRETE)				
Backwalls/Breastwalls		5	4	WIDE CRACK sw.
Wingwalls		4	4	Wide vert. and diagonal cracks @ NW wing/curtain wall.
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		X	X	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		6	6	Coating peeling @ both ends.
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		7	7	
Type	Guardrail			
Slope Protection (Type : CONCRETE; CONCRETE)		4	4	Slope protection cracked and settled. South, 120mm down, North, 70mm down. Buckled @ bottom of North headslope.
Bank Stability		7	7	
Drainage		7	7	
Grade Separation General Rating		7	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	2013	Patch parapet voids and spalls.					
PATCH DECK	2013	Patch wearing surface - complete partial/full depth deck repairs first. Patch potholes in approaches.					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2013	Replace seals @ both abutments. (If not yet done.)					
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION	2013	At SW corner, if not done					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION	2013	Repair power conduit @ NE corner.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/50.0	Sufficiency Rating (Last/Now) (%)	44.9/46.9	Est. Repl. Yr	2033	Maint. Reqd. (Y/N)	Yes
Special Comments for Next Inspection	Inspect abutment and bearings with snooper or ladder.		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	Shane Hall		Previous Assistant's Name				
Next Inspection Date	18-Oct-2014		Previous Inspection Date	24-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							