

Bridge Inspection									
Bridge File Number	78227 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1983/1983				Lot No.	7			
Bridge or Town Name	ROCKY MT HOU				Inspector Name	Owen Salava			
Located Over	BAPTISTE RIVER, 6.150, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	LOCAL ROAD				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	06-May-2010			
Legal Land Location	SW SEC 3 TWP 42 RGE 10 W5M				Data Entry By	Jill Potts			
Longitude, Latitude	-115:21:26, 52:35:10				Data Entry Date	20-May-2010			
Road Authority	CLEARWATER COUNTY				Reviewer Name	John O'Brien			
Contract Main. Area	UNDEFINED CMA				Review Date	13-May-2010			
Clear Roadway/Skew	11.1 / 20 deg. (RHF)				Dept. Reviewer Name	Chris Black			
AADT/Year	542 / 2010 (E)				Dept. Review Date	31-May-2010			
Road Classification	RLU-209G-90				Follow-Up By				
Detour Length (km)	12								
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 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									
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Very dirty.								
Other Sign Types	Missing stream ID & bridge ahead.								

Utilities (Located at)									
Utility Attachments									
Telephone	30m buried West road.				Gas				
Power					Municipal				
Others	WSG @ D/S North pier.				Problem (Y/N)	Yes			
Remarks	WGS missing from pier 2 - photo.								

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	On Sunchild Rd, 14.5 km from Jct. Hwy 11. Crest curve to north.				
Vertical Alignment			7	7	Washboard gravel, pond water EA end. -Photo. Missing GR connect @ NE, split posts @ NW,NE not connected @SW to bridge -Photo. Insufficient posts + height. Ends not buried. Gravel accumulation blocking N. drain troughs. -Photo.				
Roadway Width (m)	11.000				Rock gravel at South approach.				
Approach Bump			4	6					
Guardrail (Y/N)	Yes				Split posts. NE not connected @ SW to bridge - photo. Insufficient posts & height. Ends not buried.				
Guardrail			3	3					
Length (m)	14.000								
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage			4	4	Windrows along approach rail.				
Approach Road General Rating			4	7					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : DBT, 3 Spans, Lengths(m): 20-20-20, A-Ident Number:)						
Special Features						
Special Feature			6	Galvanized longitudinal tie rod connectors @ precast girder ends - photo.		
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0	0		
Now	20.0					
Wearing Surface			X	X		
(Material Type :)						
(Thickness(mm) :)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	6	Build up of gravel along both edges & on curbs. Numerous 100mm dia. abrasions on deck.	
Deck Rideability			6	6	Slight bounce across deck from girder camber.	
Deck Joints			4	3	Damage to SE & NE curb cover plates, P2 West cover plate - photos. NE plate torn completely off with concrete broken.	
Temperature (deg. C)		0				
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))						
(Fixed Type : OTHER)						
Gap Size (mm)		Gap Location				
99		South abutment - A1				
27		South pier				
28		North pier				
63		North abutment- A2				
Deck Drainage			4	4	No deck drains, runoff North of bridge. (Gravel accumulation on deck & curbs causing ice/water buildup - photo. 18/Mar/2006)	
Drains Clogged (Y/N)		No				
Curbs/Median			N	5	Numerous plow scrapes. Heavy gravel buildup both curbs. Broken concrete at NE cover plate.	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			8	4	Rail connector bolts missing.	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			8	8	Dirty.	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			7	7		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Girders			4	4	Diagonal HL @ girder end top flanges, E.F. S1G2, G3, G5, G6. S3G2, G3 (Marked & dated.)	
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
(Number Of Girders : 21)						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : DBT, 3 Spans, Lengths(m): 20-20-20, A-Ident Number:)				
Diaphragms/Cross Frame		5	5	Vertical crack at diaphragm seam.
Bearings		8	8	Pier bearings not accessible.
Temperature (deg. C)	0			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	Small formwork @ SIGI deck.
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		5	5	
Piles		N	N	
Paint/Coating		4	4	Peeling off wingwalls - photo.
Abutment Stability		8	8	
Scour/Erosion		N	6	
Piers/Bents				
(Type : PIER-COLUMN)				Water gauge monitor installed @ NE corner of North pier. Missing.
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 6:6)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		8	8	Weld PL diaphragm.
Nose Plate		X	X	
Paint/Coating		6	6	Fading, some wear at waterline. Blue.
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		N	6	
Debris (Y/N)	No			
Substructure General Rating		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		6	6	
HWM (m below Top of Curb)	1.2			
Drift (Y/N)	No			
Slope Protection		8	7	Class 2 each slope.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2010	Install missing transition bolt @ SW and add rail connector bolts.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK	2010	Silane to deck, curbs & abutment seats.					
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING	2010	Clean gravel from deck, curbs, abutment seats & drain troughs.					
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2010	Install stream ID & bridge ahead on E.S.					
OTHER ACTION	2010	Remove cover plates & straighten (SE)(NE). Replace, pier 2 West & patch concrete.					
OTHER ACTION	2010	Oil bonds to North & South approach road 500m ES.					
OTHER ACTION	2010	Blading gravel approach level with deck.					
OTHER ACTION	2010	Repair 6 split guardrail posts, 2 guardrail connect bolts, reset guardrail to standard height, add posts & length @ all corners.					
OTHER ACTION	2010	Reattach water survey gauge at North pier.					
OTHER ACTION							
OTHER ACTION							
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OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	57.6/67.0	Est. Repl. Yr	2042	Maint. Req'd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor girder crack @ S3G3 South abutment.			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	Dave Lam	Previous Assistant's Name	Robert Scarth
Next Inspection Date	06-Aug-2013	Previous Inspection Date	18-Mar-2006
Inspection Cycle (Default) (months)	39		
Comment			