

Bridge Inspection									
Bridge File Number	07487 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1956/1977				Lot No.	2			
Bridge or Town Name	ROCKY MT HOU				Inspector Name	Owen Salava			
Located Over	CLEARWATER RIVER, 6.159, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	752:04 C1 31.226				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	09-Feb-2012			
Legal Land Location	NW SEC 10 TWP 39 RGE 7 W5M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-114:56:14, 52:20:43				Data Entry Date	06-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA18				Review Date	22-Feb-2012			
Clear Roadway/Skew	9.1 / 0 deg.				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	2,070 / 2010 (A)				Dept. Review Date	09-Mar-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	10								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> 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)	No								
Remarks									
Other Sign Types	River ID.								
Utilities (Located at)									
Utility Attachments									
Telephone	In East curb unit.				Gas				
Power	1 wire West r/w.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Intersection 200m N.				
Vertical Alignment			7	7	In sag, rolling terrain, adequate sight distance.				
Roadway Width (m)	8.500								
Approach Bump			6	6					
Guardrail (Y/N)	Yes								
Guardrail			6	6					
Length (m)	32.800				32.80 @ SW & NE corners.				
Current Standard (Y/N)	No				36.60 @ SE & NW corners.				
Termination Type	TURNED DOWN				Insufficient length.				
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : RD, 4 Spans, Lengths(m): 16.8-30.8-30.8-10.7, A-Ident Number:)							
Special Features							
Special Feature			X				
(Type :)							
Special Feature			X				
(Type :)							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)	2 (%)	3 (%)			
Last	0	0	0	0			
Now	0.0	0.0	0.0	0.0			
Wearing Surface			6	6	Chipcoat deck protection system. Chipcoat 5% delaminated. Chipcoat stops 0.5m short of curb, typical both sides.		
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)							
(Thickness(mm) : 50)							
Lateral Connection Problem (Y/N)		No					
Deck Top			6	6			
Deck Rideability			6	6			
Deck Joints			9	9	P2 fixed.		
Temperature (deg. C)		-12					
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))							
(Fixed Type : COMPRESSION SEAL (ACME SEALS))							
Gap Size (mm)		Gap Location					
85		1 pier (South)					
96		3 pier (North)					
Deck Drainage			5	5			
Drains Clogged (Y/N)		No					
Curbs/Median			6	6			
(Curb Type : Standard)							
Scaling (Percent Area)		5					
Bridge Rail			5	5	(Scrape damage to E bottom rail. 10Nov2008).		
(Type : GALVANIZED STEEL BRIDGE TUBE)							
Bridge Rail Posts			6	6			
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)							
Bridge Rail/Posts Coating			4	5			
(Type : GALVANIZED)							
Sidewalk			X	X			
Girder Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0	0	0	0			
Girders			7	7	Span 1 - 8 RD 24" girders Span 4 - 8 RD 30" girders		
Cracking (Y/N)		No					
Spalling (Percent Area)		0					
(Number Of Girders : 16)							

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RD, 4 Spans, Lengths(m): 16.8-30.8-30.8-10.7, A-Ident Number:)					
Diaphragms/Cross Frame		X	X		
Bearings		8	8	Neoprene Pad.	
Temperature (deg. C)	-12				
(Expansion Type :)					
(Fixed Type :)					
Coating Adequate (Y/N)	Yes				
Functioning (Y/N)	Yes				
Deck Underside		7	7		
Stains (Percent Area)	1				
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating		6	7		
Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Secondary Span : VF)					
Special Features					
Special Feature			9	installed in 2008	
(Type : EXT LATER POST TENS)					
Special Feature			9		
(Type : UNDERSLUNG DIAPHR)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface		6	6	Chip seal worn off on 10% of deck.	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top		6	6		
Deck Rideability		6	6	Slightly rough over joints.	
Deck Joints		8	8		
Temperature (deg. C)	-12				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type : COMPRESSION SEAL (ACME SEALS))					
Gap Size (mm)	Gap Location				
85	P1				
96	P3				
Deck Drainage		5	5	No deck drains.	
Drains Clogged (Y/N)	No				

Superstructure								
Bridge Component		Last	Now	Explanation of Condition				
(Secondary Span : VF)								
Curbs/Median		5	5					
(Curb Type : Standard)								
Scaling (Percent Area)	5							
Bridge Rail		6	6	(Scrape damage to east bottom rail. 10Nov2008).				
(Type : GALVANIZED STEEL BRIDGE TUBE)								
Bridge Rail Posts		6	6					
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)								
Bridge Rail/Posts Coating		4	4					
(Type : GALVANIZED)								
Sidewalk		X	X					
Girder Detail Ratings								
	N (count)	1 (count)	2 (count)	3 (count)				
Last	0	0	0	0				
Now	0	0	0	0				
Girders		5	5	Span 2 & 3 VF 51" girders.				
Cracking (Y/N)		Yes						
Spalling (Percent Area)		1						
(Number Of Girders : 12)								
Diaphragms/Cross Frame		7	7					
Bearings		8	8					
Temperature (deg. C)		-12						
(Expansion Type :)								
(Fixed Type :)								
Coating Adequate (Y/N)		Yes						
Functioning (Y/N)		Yes						
Deck Underside		7	7	Minor staining from keyway cracks.				
Stains (Percent Area)		1						
Span Alignment Problems								
Vertical (Y/N)		No						
Horizontal (Y/N)		No						
Superstructure General Rating		5	5					
Substructure								
Bridge Component		Last	Now	Explanation of Condition				
Abutments								
Bearing Seats/Caps		8	8					
(Type : CONCRETE)								
Backwalls/Breastwalls		8	8					
Wingwalls		7	7					
Piles		N	N					
Paint/Coating		7	7					
Abutment Stability		6	6					
Scour/Erosion		5	5					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Piers/Bents				
(Type : PIER-SOLID)				White staining (efflorescence) on P3.
Bearing Seats/Caps		5	5	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0:0)				
Pier Shaft/Piles		5	5	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	Rusting nose plate.
(Colour Description :)				
(Colour Code :)				
Pier Stability		6	6	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		8	8	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel 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							
SEAL CURBS							
PATCH DECK							
SEAL DECK	2012	Patch/replace chipseal.					
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	2012	Reinstall hazard markers to meet standard.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
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OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	58.3/58.6	Est. Repl. Yr	2042	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection				Department Comments			
Maintenance Reviewed By				Date			Estimated Total 0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)	Y						

Proposed Action	2006.09.27 Fibre reinforced cilica fume overlay, 5 deck joints, lateral stressing and underslung diaphragms in 2008.		
Previous Inspector's Name	Arnold Assenheimer	Previous Assistant's Name	
Next Inspection Date	09-May-2015	Previous Inspection Date	10-Nov-2008
Inspection Cycle (Default) (months)	39		
Comment			