

Bridge Inspection							
Bridge File Number	06893 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1971/1971			Lot No.	1		
Bridge or Town Name	WIMBORNE			Inspector Name	Owen Salava		
Located Over	THREEHILLS CREEK, 3.50.2, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	587:04 C1 22.754			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	25-Oct-2011		
Legal Land Location	SE SEC 16 TWP 34 RGE 25 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-113:28:39, 51:54:40			Data Entry Date	24-Nov-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA20			Review Date	13-Nov-2011		
Clear Roadway/Skew	8.2 /			Dept. Reviewer Name	Andrew Smikles		
AADT/Year	310 / 2010 (A)			Dept. Review Date	25-Nov-2011		
Road Classification	RCU-208-110			Follow-Up By			
Detour Length (km)	6						
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 70 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	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No
Posted:	Lane	WB	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	Too low.							
Other Sign Types								

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	On South curb.		Gas
Power			Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	T intersection 100m East. Uphill grade to East, adequate sight distance.
Vertical Alignment		6	6	
Roadway Width (m)	8.500			
Approach Bump		6	6	
Guardrail (Y/N)	Yes			
Guardrail		8	8	
Length (m)	15.200			
Current Standard (Y/N)	Yes			
Termination Type	TURNDOWN ENDS			
Drainage		8	8	
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>HC, 3 Spans, Lengths(m): 8.5-10.1-8.5, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	10	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			6	6	6 lines of longit. cracks in ACP - photo.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>70</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			X	X	
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		5			
Bridge Rail			4	4	Double layer flexbeam - insufficient bolts at splice - photo (typ).
(Type : <b>FLEX BEAM</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			6	6	
(Type : )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	2	
<b>Now</b>	10	0	0	3	
Girders			3	3	S3G5 crack with chip at P2. S1G10 midspan spall near A1. S1 G2,7 small spall in AZ (photo).  Unknown but cracks through ACP at each girder line.
Last Complete Inspection Date		07-Dec-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>30</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>3</b>	<b>3</b>	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 2100)					
(Total Number of Caps/Corbels : 4:3)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Bearing Seats/Caps/Corbels				8	8
(Type : STEEL)					
(Depth(mm) : 350)					
(Width(mm) : 375)					
Backwalls/Breastwalls			4	5	Front sheathing installed.
Greatest Height (m)		1.80			
Wingwalls			6	4	NW wing pile missing tin top. Top plank has minor damage (photo).
(Total Number of Bearing Piles : 7:7)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	1	
<b>Now</b>	0	0	0	1	
Piles				3	3
Paint/Coating				X	X
Abutment Stability				6	6
Scour/Erosion				6	6
<b>Piers/Bents</b>					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 3:3)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Bearing Seats/Caps/Corbels				8	8
(Type : STEEL)					
(Depth(mm) : 350)					
(Width(mm) : 375)					
(Total Number of Bearing Piles : 9:9)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	3	0	0	1	
<b>Now</b>	3	0	0	3	
Pier Shaft/Piles				3	3
Greatest Height (m)		4.57			
Bracing/Struts/Sheathing			7	7	
Nose Plate			6	6	
Paint/Coating				X	X
(Colour Description : )					
(Colour Code : )					
3 not visible due to sheathing on P1. P2,6 wide crack at top (photo). P1p2 wide crack at top.					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		N	N	Water level.
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>3</b>	<b>3</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				
(D/S Direction : <b>S</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>7</b>	



**Maintenance Recommendations**

Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2012	Install missing bolts @ splices (56).	Programmed	2012		
SEAL CURBS						
PATCH DECK						
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	2012	Seal ACP cracks.	Programmed	2012		
OTHER ACTION	2012	Install new tintop at NW wing.	Programmed	2012		
OTHER ACTION	2012	Treat/band split piles (3) or sleeve & grout.	H pile repair programmed	2012		
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>33.3/33.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>60.8/60.8</b>	Est. Repl. Yr	2028	Maint. Req. (Y/N) Yes
Special Comments for Next Inspection	No action for r=3 girders at this time.		Department Comments	Programmed in PMA for replacement in 2017, can be deferred. DA		
Maintenance Reviewed By	Darron Ahlstedt		Date	29-Oct-2012	Estimated Total	0
Proposed Long-Term Strategy						
On 3-Year Program (Y/N)						

Proposed Action			
Previous Inspector's Name	Owen Salava	Previous Assistant's Name	
Next Inspection Date	25-Jan-2015	Previous Inspection Date	07-Dec-2010
Inspection Cycle (Default) (months)	39		
Comment			