Bridge File Number 75543 W-2 Bridge Year Built/Year 1965/1965  Bridge or Town Name Salisbury Interchange Located Over 216:04 L1 6.509;216:04 R1 6 Located On SHERWOOD PARK FREEW Water Body CI./Year Navigabil. CI./Year Legal Land Location SE SEC 29 TWP 52 RGE 23 Longitude, Latitude -113:20:42, 53:30:47 Road Authority Alberta Transportation (AIT) Contract Main. Area ANTHONY HENDAY DRIVE Clear Roadway/Skew 15.8 / 16 deg. (RHF) AADT/Year 33,860 / 2011 (A)	VAY:02 L	.1 3.309	Form Ty Lot No. Inspecto Inspecto Assistar Assistar	or Name		PSR 2 Wade Nanni	nga							
Supstr  Bridge or Town Name Salisbury Interchange Located Over 216:04 L1 6.509;216:04 R1 6 Located On SHERWOOD PARK FREEW Water Body CI./Year Navigabil. CI./Year Legal Land Location SE SEC 29 TWP 52 RGE 23 Longitude, Latitude -113:20:42, 53:30:47 Road Authority Alberta Transportation (AIT) Contract Main. Area ANTHONY HENDAY DRIVE Clear Roadway/Skew 15.8 / 16 deg. (RHF)	VAY:02 L	_1 3.309	Inspector Inspector Assistar Assistar	or Class		Wade Nanni	nga							
Bridge or Town Name Located Over Located On SHERWOOD PARK FREEW Water Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude Road Authority Contract Main. Area Clear Roadway/Skew Alberta Transportation (AIT) Clear Roadway/Skew Salisbury Interchange 216:04 L1 6.509;216:04 R1 6 SHERWOOD PARK FREEW SHERWOOD PARK FREEW ANTERWOOD	VAY:02 L	1 3.309	Inspector Assistar Assistar	or Class			nga							
Located Over Located On SHERWOOD PARK FREEW Water Body Cl./Year Navigabil. Cl./Year Legal Land Location Longitude, Latitude Road Authority Contract Main. Area Clear Roadway/Skew ANTHONY HENDAY DRIVE Located On SHERWOOD PARK FREEW SHERWOOD PARK FREEW ANTHOND PA	VAY:02 L	_1 3.309	Assistar Assistar											
Water Body Cl./Year Navigabil. Cl./Year Legal Land Location SE SEC 29 TWP 52 RGE 23 Longitude, Latitude -113:20:42, 53:30:47 Road Authority Alberta Transportation (AIT) Contract Main. Area ANTHONY HENDAY DRIVE Clear Roadway/Skew 15.8 / 16 deg. (RHF)		1 3.309	Assistar		BR CLS A									
Navigabil. Cl./Year  Legal Land Location SE SEC 29 TWP 52 RGE 23  Longitude, Latitude -113:20:42, 53:30:47  Road Authority Alberta Transportation (AIT)  Contract Main. Area ANTHONY HENDAY DRIVE  Clear Roadway/Skew 15.8 / 16 deg. (RHF)	3 W4M													
Navigabil. Cl./Year  Legal Land Location SE SEC 29 TWP 52 RGE 23  Longitude, Latitude -113:20:42, 53:30:47  Road Authority Alberta Transportation (AIT)  Contract Main. Area ANTHONY HENDAY DRIVE  Clear Roadway/Skew 15.8 / 16 deg. (RHF)	3 W4M				44 1-2 0040									
Legal Land Location SE SEC 29 TWP 52 RGE 23 Longitude, Latitude -113:20:42, 53:30:47 Road Authority Alberta Transportation (AIT) Contract Main. Area ANTHONY HENDAY DRIVE Clear Roadway/Skew 15.8 / 16 deg. (RHF)	3 W4M		Inspection Date		14-Jan-2013									
Longitude, Latitude -113:20:42, 53:30:47  Road Authority Alberta Transportation (AIT)  Contract Main. Area ANTHONY HENDAY DRIVE  Clear Roadway/Skew 15.8 / 16 deg. (RHF)			Data Entry By  Data Entry Date			Lisa Fairhurst								
Road Authority Alberta Transportation (AIT) Contract Main. Area ANTHONY HENDAY DRIVE Clear Roadway/Skew 15.8 / 16 deg. (RHF)				Reviewer Name			26-Mar-2013							
Contract Main. Area ANTHONY HENDAY DRIVE Clear Roadway/Skew 15.8 / 16 deg. (RHF)						Eric Carcoux								
			Review Date			25-Mar-2013								
			•	Dept. Reviewer Name										
			Dept. Review Date			02-Apr-2013	i							
Road Classification RAU-213.4-120			Follow-U	р ву										
Detour Length (km) 1														
	Semi C	CS2 55		Train		3 71	> On C		al Spar	าร				
GIRDER		SIRDER				RDER		>Critical M	ember					
Design Loading: HS20		Dection I	nformatic	<b>.</b>				> Primary	Span					
Required Vert. Clearance Posting (m) UNDER: 2			nformation R1 5.3m											
Posted Vertical Clearance (Y/N) Yes		,												
	Advance	(Y/N)	Yes La	ine SB		On Bridge (m)	5.3	In Advance	(Y/N)	Yes				
Remarks NB on south structure. Spot measu		, ,				<u> </u>			,					
Required Load Posting (t) Single			Semi				Truck Train							
Posted Loading (t) Single				Semi			Truck Train							
Posted: Lane EB At Junction	on (Y/N)			dvance	(Y/N)		At Bridge (Y/N)							
Posted: Lane WB At Junction		No		dvance	· ,			Bridge (Y/N) No						
Remarks Not required.	( ' )				<u> </u>		-	-3-()						
Hazard Marker At Bridge (Y/N) No														
Remarks Not required.														
Other Sign Types Information, Speed	d, Directi	ion.												
			Located a	at)										
Utility Attachments														
Telephone			Gas South r/			r/w.								
Power			Municipal											
Others Lighting.			Problem	1 (Y/N)	No									
Remarks														
		Approa	ch Road											
	Las	t Now	<del>'</del>	ation of										
Horizontal Alignment	6	6	Typical grade separation on/off ramps crest curve.											
Vertical Alignment	6	6	-											
Roadway Width (m) 12.500	5		-											
Approach Bump		5	-											
Guardrail (Y/N) Yes		4	Not con	nected to	o brido	je. Joseihle broko	n noct	c						
Guardrail	4		Minor dents @ NW - possible broken posts											
Length (m) 38.000			4											
Current Standard (Y/N) No														
Termination Type Bulb / Turn Down														
Drainage	N	N	Hole in ACP @ NW corner along approach curb. Water dra under road approach - photo02-Jun-2009				drainin	ıg						
Approach Road General Rating	6	6												

Superstructure									
Bridge Comp	onent				Last		Explanation of Condition		
		ns, Lengt	:hs(m	i): 12.2-19.8-1			lent Number: )		
Special Feat	ures	_							
Special Featu	ıre				7	7			
(Type: EXT LATER POST TENS)									
Special Feature						7			
(Type : UNI	DERSLUNG D	DIAPHR)							
Wearing Surface/Deck Top Detail Ratings									
	N (%)	1 (%)		2 (%)	3 (%)				
Last	20	0		0	0				
Now	30.0	0.0		0.0	C	0.0			
Wearing Surf	ace				5	5	Chip seal on FRC (70mm).		
(Material Ty	/pe : <b>CONCRE</b>	ETE - COI	NVEN	NTIONAL CH	P SEA	.L	2% missing. Large 3m x 1.5m patch worn off West of P3 in North lane.		
(Thickness)	(mm) : <b>50</b> )								
Lateral Conne (Y/N)	ection Problem	n No	)						
Deck Top					N	N			
Deck Rideabi	lity				6	6			
Deck Joints					3	4	No apparent leakage.		
Temperatur	· • /	-5					1 bolt missing North lane @ P3 but plate still tight.Plow guards missing at abutments - 50%		
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC);ARMOURED GLAND (WABO UNDER FINGER OR SLIDING PLATES))  (Fixed Type : ARMOURED GLAND (WABO UNDER FINGER OR									
SLIDING P	LATES))		•						
Gap Size (mm) Gap Location									
79	79 W. abut - Exp.								
25	25 Pier 1								
35				- Fixed					
35			ier 3						
80 E. abut - Exp.									
							1		
Deck Drainag					5	5			
Drains Clog									
Curbs/Mediar					4	4	Few spots spalled. Rust staining. Wide delam crack North curb S1. 300mm long spall outside face @ South side of P1.		
` '	: Standard)								
Scaling (Pe	rcent Area)	1							
Bridge Rail					4	4	6 vertical slats bent. (AB nuts not fully engaged. 9 Mar 2011)		
` ' '	LVANIZED ST	EEL VEF	RTICA	AL BAR)		N	(NE TIGIS HOLLIGHY GRIGAGEG. 5 Mai 2011)		
	Bridge Rail Posts 4								
ŠŤĖEL)	(Type: GALVANIZED POST STEEL; GALVANIZED POST STEEL)								
	Bridge Rail/Posts Coating					5			
(Type : GA	LVANIZED)								
Sidewalk					X	X			
Girder Detail	Ratings								
	N (count)	1 (count)	)	2 (count)	3 (cou	unt)	Cracking & delam G1 S2 @ P1.		
Last	0	0		0		1			
Now	0	0		0		1			

			Supers	tructure				
Bridge Component		Last	Now	Explanation of Condition				
(Primary Span : FC, 4 Spans, Le	engths(m): 12.2-19.8-1	19.8-12	.2, A-Id	lent Number: )				
Girders		3	3	Wide shoe plate cracks due to shoe plate pack rust. Typical chamfer				
Cracking (Y/N)				cracks. Delamination cracks with stains on S2-G1, G10 and S3-G10 Appears to be from rebar with low cover in bottom of legs.				
Spalling (Percent Area) 3								
(Number Of Girders : 40)								
Diaphragms/Cross Frame		4	4	Cracking at random diaphragms. 400mm long spall in diaphragm @ West end S1G1.				
Bearings		4	4	Grout pads are deteriorating.				
Temperature (deg. C)	-5			Choo-choo bearings @ P1 & P3.				
(Expansion Type : ROLLER BI	EARING)			Cracked shoe plates.				
(Fixed Type : PINNED BEARIN	<b>IG</b> )							
Coating Adequate (Y/N)	No							
Functioning (Y/N)	Yes							
Deck Underside		4	4	Stains and spalling @ weep holes in ext girders. Weep tubes no				
Stains (Percent Area)	5			longer active with HPC overlay.				
Span Alignment Problems								
Vertical (Y/N)	No							
Horizontal (Y/N)	No							
Superstructure General Rating		3	3					
			Subst	ructure				
Bridge Component		Last	Now	Explanation of Condition				
Abutments	<u> </u>	Last	INOW	Explanation of condition				
Bearing Seats/Caps		4	4	400mm long spall @ center of bearing seat @ A1 Wide delam cracks				
(Type : CONCRETE)				throughout A1.				
Backwalls/Breastwalls		6	6					
Wingwalls		6	6					
Piles		N	N					
Paint/Coating		4	4					
Abutment Stability		7	7					
Scour/Erosion		Х	5					
Piers/Bents								
(Type : PIER-COLUMN)				Delam cracks P1 North & South, P2 North & South, P3 North &				
Bearing Seats/Caps		4	4	South, Wide delam crack 1.5m long on top of P2 under G7 & G8				
(Type : CONCRETE)				bearing - photo.				
(Total Number of Bearing Piles :	0:0:0)			Delam crack North column P3 - photo.				
Pier Shaft/Piles		4	4					
Bracing/Struts/Sheathing		X	Х					
Nose Plate		Х	Х					
Paint/Coating		5	5	Pigmented sealer.				
(Colour Description : )								
(Colour Code : )								
Pier Stability		7	7					
Scour		X	Х					
Abutment Stability  Scour/Erosion  Piers/Bents (Type: PIER-COLUMN)  Bearing Seats/Caps (Type: CONCRETE) (Total Number of Bearing Piles: Pier Shaft/Piles  Bracing/Struts/Sheathing  Nose Plate  Paint/Coating (Colour Description:) (Colour Code:)  Pier Stability	0:0:0)	7 X X 4 X X 5	7 5 4 4 X X 5 5	South. Wide delam crack 1.5m long on top of P2 under G7 & G8 girder legs. Wide delam crack 1.0m long @ P3 under G9/G10 bearing - photo.  Delam crack North column P3 - photo.				

Substructure										
Bridge Component			Now							
Debris (Y/N)	No									
Substructure General Rating			4							
		5	Structu	re Usage						
		Last	Now	Explanation of Condition						
Grade Separation										
Road Alignment			7							
Traffic Safety Features		3	3	West guardrail at North approach has become detached from 6						
Туре	Median / Guardrail			posts. Two broken median posts - photo.						
Slope Protection		5	5	Wide cracks West headslope.						
(Type : CONCRETE; CONCR	ETE)									
Bank Stability		N	N							
Drainage			6							
Grade Separation General Rating			3							

75543 W-2 Bridge

		Maintenance Recon	mmenda	ations					
Inspector Recommendations	Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2013	Connect to bridge.					J 27 G 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
GALVANIZE/PAINT BRIDGE RAIL		3							
SEAL CURBS									
PATCH DECK									
SEAL DECK									
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS	2013	Replace missing bolt in pier 3.							
RESET/ PAINT BEARINGS		, , , , , , , , , , , , , , , , , , ,							
WASHING									
SHOTCRETE REPAIRS									
REPAIR ABUTMENT SCOUR/EROSI	NC								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION	2013	Replace missing plow guards.							
OTHER ACTION		, J							
OTHER ACTION	2013	Repair median guardrail and posts.							
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) 38.9/38	.9 Sufficiency Rating (Last/Now (%)	v) 4	4.8/44.6	Est. Repl. Yr	2025	Maint. Red	qd. (Y/N)	Yes
Special Monitor delam crace Comments for Next Inspection		Department Comments							
Maintenance Reviewed By				Date		E	Estimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Arnold Assenh	eimer Pre	evious A	ssistant's Name	Wade Nanninga				
Next Inspection Date	14-Oct-2014			nspection Date	09-Mar-2011				
Inspection Cycle (Default) (months)	21								

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

n & Maintenance System (Web 2005) 75543 W-2 Bridge

Comment