					:	Bridge	Inspe	ction							
Bridge File Number	Number 77521 S-1 Bridge							Form Type PSR							
Year Built/Year	1975/1975						Lot	No.			2				
Supstr							– Ins	pector N	ame		Kris Bosters				
Bridge or Town Nam							Ins	pector C	lass		BR CLS A				
Located Over	16A 1 C	:16 R1 5.830; <sup>,</sup>	16A:16 L	_1 5.828	8;RA	MP 98	- Ass	sistant N	ame						
Located On		2 R1 31.766;6	60:02 L1	31.770	)		Ass	sistant C	lass						
Water Body Cl./Year	r	`					Ins	pection [	Date		17-Dec-2012	2			
Navigabil. Cl./Year								a Entry	-		Theresa Lac	usta			
Legal Land Location	NW	SEC 34 TWP	52 RGE	E 26 W4	M			a Entry			16-Jan-2013				
Longitude, Latitude	-113	:45:45, 53:32:	26					viewer N			Eric Carcoux				
Road Authority	Albe	erta Transporta	ation (Al	T)				view Dat			19-Dec-2012	2			
Contract Main. Area	CMA	\11						ot. Revie			Paul Catt				
Clear Roadway/Skew	w 16.8	1					· · ·	ot. Revie		e	18-Jan-2013				
AADT/Year	12,5	60 / 2011 (A)					- Fol	low-Up E	Зу						
Road Classification	RAL	J-209-110					_								
Detour Length (km)	3												1		
Allowable Load (t): S	Single	CS1 28		Semi	C	S2 49			Train	CS	3 62		> On Critic >Critical N	al Spa Iember	ns
Design Loading:		HS25											> Primary	Span	
						osting									
Required Vert. Clear		• • •		R: 16A L	_1 5.	4m, 16	A R1	5.4m							
Posted Vertical Clear		/	Yes				V			0					N
Posted: Lane EB	C	On Bridge (m)	5.5	In Adva	ince	(Y/N)	Yes	Lane	WB	0	n Bridge (m)	5.5	In Advance	(Y/N)	Yes
Remarks	m m (4)		0:												
Required Load Postin	ng (t)		Single				Semi Truck Train								
Posted Loading (t)			Single					Semi			NI-	Truck Train			
Posted: Lan Posted: Lan		NB SB	At Junction (Y/N)NoAt Junction (Y/N)No					In Advance (Y/N) In Advance (Y/N)			No	At Bridge (Y/N)NoAt Bridge (Y/N)No			
	req'd.		ALJUNC		(11)	No		In Advance (Y/N) No At Bridge (Y/N)					luge (1/IN)		
Hazard Marker At Br		/N) No													
Remarks	luge (T	Not reg	d												
Other Sign Types		Informa													
other olgh rypes		Interna			Uf	ilities	(Loca	ted at)							
Utility Attachments							(	tou utj							
Telephone	1						Ga	S							
Power								nicipal							
Others Ligh	ht stand	ards, ASCM S	SE corne	ər.			Pro	blem (Y	/N) [	No					
Remarks															
				1		Appro									
					Last			olanatio							
Horizontal Alignment					7	7	Тур	oical, gra	ide se	parati	on with on &	off rar	mps.		
Vertical Alignment					7	7	(6.3	(6.3 SBL 7.1 NBL.)							
Roadway Width (m) 13.400							Chi	Chipseal higher than joints creates bump.							
Approach Bump					7	5	Pot	Pothole N end SBL.							
Guardrail (Y/N) Yes							Ins	ufficient	post o	ff eac	h corner. SW	/ shor	test. Missing	connec	tion
Guardrail					4	N	boli	t @ 1st p / corner-	oost S' 2 sect	W col	mer. Mibeamidam	aned	1 post broke	n -nho	ło
Length (m) 26.000							2 s	SW corner-2 sections W. beam damaged, 1 post brokenphoto 2 split posts @ SE corner-photo-06-Oct-2012							
Current Standard (Y/N) No							Tor	Too much snow to view.							
Termination Type Turned Down								2 posts and bridge rail connection dmaged at SEphoto							

Alberta Transportation

## Bridge Inspection & Maintenance System (Web 2005)

77521 S-1 Bridge

					A	Approa	ich Road
						Now	Explanation of Condition
Drainage						N	Water from drain trough @ NE corner drains below concrete slope protectionphoto-06-Oct-2010
Approach Road General Rating					7	7	
Bridge Com	oonent						structure Explanation of Condition
	n : VF, 4 Spar	ns ler	naths(m	). 24 4-32-27			
Special Feat		10, 201	Igino(II	<u></u>		Alde	
Special Feature					7	7	Underslung beams installed along VF girders.
•	LATER POS		IS)				
Special Featu						7	Overlay has been post tensioned.
·	DERSLUNG D	IAPH	R)		1		
	ace/Deck Top		· ·				
	N (%)	1 (%)	0	2 (%)	3 (%)		Snow along gutters.
Last							
Now	20.0						
Wearing Surf	ace				6	6	Narrow longitudinal and transverse cracking.
(Material Ty COAT)	/pe : CONCRE	ETE - C	CONVE	NTIONAL CHI	P SEA	L	FRSF O/L
(Thickness	(mm) : <b>50</b> )						
Lateral Conne (Y/N)	ection Problem	า	No				
Deck Top					N	N	
Deck Rideabi	ility				7	5	Chipseal is higher than joints creating rough ride.
Deck Joints					4	4	Both abutment finger joints noisy, slapping under traffic06-Oct-2010
Temperatur	re (deg. C)		-8				Scaling on paving lip SA, NBL.
(Expansion TRANSFLE	Type : FINGE EX, ETC))	R PLA	ATES;G	LAND (WABC	D-MAUI	ER,	Joints not slapping 17-Dec-2012
(Fixed Type	e : GLAND (W	ABO-I	MAUER	TRANSFLEX	(, ETC)	)	_
Gap Size (r	nm)		Gap L	ocation			_
69			N. abu	ıt			_
45			pier 3				_
49			pier 2				_
50			pier 1				-
70			S. abu	t			-
Deck Drainag					5	N	No evidence of joint leakage06-Oct-2010 No deck drains.
Drains Clogged (Y/N) No							Snow covered.
Curbs/Median					5	N	Light scaling, couple patches06-Oct-2010
(Curb Type	(Curb Type : <b>Standard</b> )						Cracked exterior below bridge posts.
Scaling (Percent Area) 5						_	Snow covered.
Bridge Rail					7	5	Missing 2 anchor nutsphoto 20% of East and West side have
(Type : GALVANIZED STEEL BRIDGE TUBE)							insufficient thread. Numerous nuts cut in half06-Oct-2010
Bridge Rail Posts					3	3	Base of posts partially snow covered.
(Type : GALVANIZED POST STEEL;GALVANIZED F STEEL)						_	Base of posts rusted.
Bridge Rail/Posts Coating						5	
(Type : <b>GA</b>	LVANIZED)						
Sidewalk					Х	X	

(Primary Span: V. 4. Spans, Lengths(m): 24.432-27.42.4, A-Idemt Number: )        Girder Deall Raings        Name      0      0      8        Name      0      0      8        Cracking (YN)      Yes      3      3        Girders      3      3      Typical hairline VF chamfer cracks, some extending into deck underside.        Annaber OF Girders: 44)      0      0      8      All ext underside.        Daphringms(Cross Frame      6      5      Several end diaphragms have vertical cracks @ piers @ South abument.        Bearings      4      4      4      4      4        (Expansion Type: REINFORCED NEOPRENE BEARING WITH TEFLON AND STAILLESS STELL)      E chara block spatial due to lateral pressure -photo        (Fried Adequate (YN)      No	Bridge Com	nonent			Last	Explanation of Condition	
Girder Detail Raings      N (count)      1 (count)      2 (count)      3 (count)        Last      0      0      8      6        Now      0      8      7      7        Girders      3      3 (count)      3 (count)      4      4        Spalling (Percent Area)      2      0      8      3      3        Minor Cloridors : 44)      0      6      5      Several end daphragms have vertical cracks @ plers @ South aburnent.        Bearings      4      4      4      4      1      NE deparablock spalled due to lateral pressurephoto      4      4      4      4      1      NE deparablock spalled due to lateral pressurephoto      5      6      4		_	ans Lenaths	s(m) <sup>.</sup> 24 4-32-2			
No      1 (count)      2 (count)      3 (count)        Last      0      0      0      8        Now      3      3      Typical haitline VF charifer cracks, some extending into deck underside.        Cracking (YN)      Yes      4			ano, zongan	<u>,, : = : = =</u>		, , , , , , , , , , , , , , , , , , , ,	
Last      0      0      0      0      8        Row      3      3      Typical hairine VF chamfer cracks, some extending into deck underside.        Spalling (YN)      Yes      4      4        Mumber Of Griads : 44)      All ext. griders have vertical cracks @ piers @ South abument.        Barings      4      4        Barings      4      4        Cracking (YN)      NE shear block spalled due to lateral pressure.photo        Barings      4      4        Cracking (YN)      8      Several end daphragms have vertical cracks @ piers @ South abument.        Barings      4      4      A        Temperature (deg. C)      8      Several end daphragms have vertical cracks @ piers @ South abument.        Barings      4      4      A        Cracking (Math Dec Dec PRENE BEARING WITH TFLON AND STAINLESS STEEL)      No        Coating Adequate (YN)      No      Form left in place @ StG7.        Spaal Alignment Problems      5      6        Varical (YN)      No      Substructure        Bearing Stata/Caps      6      6        Gridge Component      Last	ender Detail	<b>_</b>	1 (count) 2 (count) 3 (cou			unt)	
Girdars  3 <t< td=""><td>Last</td><td>, , , , , , , , , , , , , , , , , , ,</td><td>`<i>`</i></td><td></td><td>`</td><td>,</td><td></td></t<>	Last	, , , , , , , , , , , , , , , , , , ,	` <i>`</i>		`	,	
Cracking (Y/N)    Yes    underside.      All ext. girders adds.    All ext. girders adds.    All ext. girders adds.      Diaphragms/Cross Frame    6    5    Several end diaphragms have vertical cracks @ piers @ South abutment.      Bearings    4    4    NE shear block spalled due to lateral pressure-photo      P & P3 bearings insp from headslopes. P2 bearings not visible.    S4G1 5 galed bearing group adphoto      Cracking Adequate (YNN)    No    No      Coating Adequate (YNN)    No    PA P3 bearings insp from headslopes. P2 bearings not visible.      Square Additional Coating Adequate (YNN)    No    PA P3 bearing around deck drains.      Pan Alignment Problems    Form left in place @ 34G7.      Span Alignment Problems    Form left in place @ 34G7.      Span Alignment Problems    Form left in place @ 34G7.      Span Alignment Problems    Form left in place @ 34G7.      Span Alignment Problems    Form left in place @ 34G7.      Stains (Percent Area)    1      Bridge Component    Last Now      Explanation of Condition    Abutments      Bearing Seates/Caps    6      Ger (Type : CONCRETE)    Form left in place @ 34 form left in place @ 34 form left in place @ 34 form left in place	Now				_	-	
Cracking (Y/N)    Yes    underside.      All ext. girders adds.    All ext. girders adds.    All ext. girders adds.      Diaphragms/Cross Frame    6    5    Several end diaphragms have vertical cracks @ piers @ South abutment.      Bearings    4    4    NE shear block spalled due to lateral pressure-photo      P & P3 bearings insp from headslopes. P2 bearings not visible.    S4G1 5 galed bearing group adphoto      Cracking Adequate (YNN)    No    No      Coating Adequate (YNN)    No    PA P3 bearings insp from headslopes. P2 bearings not visible.      Square Additional Coating Adequate (YNN)    No    PA P3 bearing around deck drains.      Pan Alignment Problems    Form left in place @ 34G7.      Span Alignment Problems    Form left in place @ 34G7.      Span Alignment Problems    Form left in place @ 34G7.      Span Alignment Problems    Form left in place @ 34G7.      Span Alignment Problems    Form left in place @ 34G7.      Stains (Percent Area)    1      Bridge Component    Last Now      Explanation of Condition    Abutments      Bearing Seates/Caps    6      Ger (Type : CONCRETE)    Form left in place @ 34 form left in place @ 34 form left in place @ 34 form left in place	Girders	1			3	3	Typical hairline VF chamfer cracks, some extending into deck
Spalling (Percent Area)    2      (Number Of Girders : 44)		(/N)	Yes				underside.
Number Of Girders : 44)    Image: Addition of the additis of the additis of the addition of the add			2				All ext. girders have vertical cracking & spalls at endsphoto
Bearings  4  4  4    Temperature (deg. C)  -8    Expansion Type: REINFORCED NEOPRENE BEARING WITH TEFLON AND STAILESS STEEL)  -0000    Coating Adequate (YN)  No    Functioning (YN)  Yes    Dack Underside  6    Coating Adequate (YN)  No    Functioning (YN)  Yes    Deck Underside  6    Stains (Percent Area)  1    Substructure General Rating  3    Substructure General Rating  3    Bridge Component  Last    Abutments  6    Bearwalls/Breastwalls  5    Wingwalls  6    Vingwalls  6    Vingwalls  5    Socur/Erosion  X    Yerical (Cost)  7    Cost (Cost)  7    Gourderstructure Constructure  8    Scour/Erosion  X    Yerical (Cost)  8    Gourderstructure  8    Gourderstructure  4    Vertical (YN)  No    Horizontal (YN)  No    Horizontal (YN)  No    Backwalls/Breastwalls  5    S  5    Wingwalls  6    Piers/Bents	. <b>.</b> .						
Temperature (deg. C)  -8  -8  Description  Part 2 bearings not visible.    (Expansion Type: REINFORCED NEOPRENE BEARING WITH TEFLON NO STAINLESS STEEL)  Solution  Solution  Bottom masonary plates have scaling rust.    (Fixed Type: REINFORCED NEOPRENE BEARING WITH TEFLON NO STAINLESS STEEL)  Solution  Solution  Solution    Coating Adequate (Y/N)  No	Diaphragms/	Cross Frame			6	5	
I emperature (deg. c)    -**    -**      Gexpansion Type:    ReinFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)    S4G1 spalled bearing grout padphoto      Bottom masonary plates have scaling rust.    S4G1 spalled bearing grout padphoto    Setting grout padphoto      Coating Adequate (Y/N)    No    Implates have scaling rust.    Setting grout padphoto      Coating Adequate (Y/N)    No    Implates have scaling rust.    Setting grout padphoto      Stains (Percent Area)    1    Setting grout deck drains.    Form left in place @ S4G7.      Superstructure General Rating    3    3    Implates and the set of t	Bearings				4	4	NE shear block spalled due to lateral pressurephoto
(Expansion Type: REINFORCED NEOPRENE BEARING WITH TEFLOX AND STAINLESS STEEL)    Botom masonary plates have scaling rust.      (Gived Type: REINFORCED NEOPRENE BEARING WITH TEFLOX AND STAINLESS STEEL)    No      Coating Adequate (Y/N)    No      Functioning (Y/N)    Yes      Deck Underside    6    6      Stains (Percent Area)    1      Vertical (Y/N)    No      Vertical (Y/N)    No      Superstructure General Rating    3      Signe (Percent Area)    1      Vertical (Y/N)    No      Superstructure General Rating    3      Superstructure General Rating    5      Backwalls/Breastwalls    5      Soldwalls/Breastwalls    5      Southments    5      Bainty/Coating    8    5      Abutment Stability    7    7      Scour/Erosion    X    X      Piers/Bonts    Yerical crack over access panel, East end pier 3, South side.      Specific CONCRETE)    Seating detaminicracking @ W. end P3-photo      Bearing Seats/Caps    4    4      Yerical crack over access panel, East end pier 3, South side.      Specing Seats/Caps	Temperatu	re (deg. C)	-8				P & P3 bearings insp from headslopes. P2 bearings not visible. S4G1 spalled bearing grout padbhoto
TEFLON AND STAINLESS STEEL)      Coating Adequate (Y/N)    No      Functioning (Y/N)    Yes      Deck Underside    6    6      Stains (Percent Area)    1      Span Alignment Problems    Form left in place @ S4G7.      Vertical (Y/N)    No      Horizontal (Y/N)    No      Superstructure General Rating    3      Bridge Component    Last      Now    Explanation of Condition      Abutments    E      Bearing Seats/Caps    6      (Type : CONCRETE)    6      Baint/Coating    8    5      Vingwalls    6    4      Piers/Bents    7    7      Scour/Erosion    X    X      Piers/Bents    Item of concrete pier 3, South side.      Scaling/delamination/cracking @ W. end P3-photo    Sealing/delamination/cracking @ W. end P3-photo      Piers/Bents    Item of concrete pier 3, South side.      Type : CONCRETE)    Vertical crack over access panel, East end pier 3, South side.      Sealing/delamination/cracking @ W. end P3-photo    Sealing/delamination/cracking @ W. end P3-photo	(Expansion TEFLON A	Type : REIN	FORCED NE	EOPRENE BEA	ARING W	/ITH	
Functioning (Y/N)    Yes      Deck Underside    6    6    6      Stains (Percent Area)    1    Form left in place @ S4G7.      Span Alignment Problems    Vertical (Y/N)    No      Horizontal (Y/N)    No    Form left in place @ S4G7.      Superstructure General Rating    3    3      Bridge Component    Last    Now      Abutments    Explanation of Condition      Bearing Seats/Caps    6    6      (Type : CONCRETE)    5    5      Wingwalls    6    4    1m long spall top of SW wingwall.      Plies    N    N      Paint/Coating    8    5    less than 5% peeling.      Abutment Stability    7    7    Scour/Erosion      Scour/Erosion    X    X    Vertical crack over access panel, East end pier 3, South side.      Scaling/delamination/cracking @ W. end P3photo    Medium scaling bottom of cap pier 2.    Vertical crack over access panel, East end pier 2.				ENE BEARIN	G WITH		
Deck Underside  6  6  6  Minor staining around deck drains. Form left in place @ S4S7.    Span Alignment Problems  Vertical (Y/N)  No  Image: Composition of Condition    Horizontal (Y/N)  No  Image: Composition of Condition    Superstructure General Rating  3  3    Bridge Component  Last Now  Explanation of Condition    Abutments  Image: Composition of Condition  Image: Composition of Condition    Bearing Seats/Caps  6  6    (Type : CONCRETE)  Image: Composition of Composition of Composition    Backwalls/Breastwalls  5  5    Wingwalls  6  4  1m long spall top of SW wingwall.    Piles  N  N  N    Paint/Coating  8  5  less than 5% peeling.    Abutment Stability  7  7    Scour/Erosion  X  X    Piers/Bents  (Type : CONCRETE)  Vertical crack over access panel, East end pier 3, South side. Scaling/delamination/cracking @ W. end P3-photo    Medium scaling bottom of cap pier 2.  Medium scaling bottom of cap pier 2.							-
Stains (Percent Area)    1    Form left in place @ S4G7.      Span Alignment Problems    Vertical (Y/N)    No      Horizontal (Y/N)    No    Image: State of the state of			Yes			1	
Starling (referint Area)    i      Vertical (Y/N)    No      Horizontal (Y/N)    No      Superstructure General Rating    3    3      Substructure    Substructure      Bridge Component    Last Now    Explanation of Condition      Abutments    Bearing Seats/Caps    6    6      (Type : CONCRETE)    Backwalls/Breastwalls    5    5      Wingwalls    6    4    1m long spall top of SW wingwall.      Piles    N    N    N      Paint/Coating    8    5    less than 5% peeling.      Abutment Stability    7    7    Scour/Erosion      Yerical crack over access panel. East end pier 3, South side.    Scaling/delamination/cracking @ W. end P3photo      Piers/Bents    (Type : CONCRETE)    Vertical crack over access panel. East end pier 3, South side.      Scaling /delamination/cracking @ W. end P3photo    Medium scaling bottom of cap pier 2.					6	6	Minor staining around deck drains.
Vertical (Y/N)      No      Image: Market Schwart Schwa	````	/	•				
Horizontal (Y/N)    No      Superstructure General Rating    3    3      Bridge Component    Last    Now    Explanation of Condition      Bearing Seats/Caps    6    6      (Type : CONCRETE)    5    5      Backwalls/Breastwalls    5    5      Wingwalls    6    4    1m long spall top of SW wingwall.      Piles    N    N      Paint/Coating    8    5    less than 5% peeling.      Abutment Stability    7    7    7      Scour//Erosion    X    X    Yertical crack over access panel, East end pier 3, South side.      Scaling/delamination/cracking @ W. end P3photo    Medium scaling bottom of cap pier 2.    Vertical crack over access panel, East end pier 3.      Files    4    4    Yertical crack over access panel, East end pier 3.    South side.      Scaling/delamination/cracking @ W. end P3photo    Medium scaling bottom of cap pier 2.    Medium scaling bottom of cap pier 2.							
Superstructure General Rating    3    3      Bridge Component    Last    Now Explanation of Condition      Abutments							-
Substructure    Bridge Component  Last  Now  Explanation of Condition    Abutments  Bearing Seats/Caps  6  6    (Type : CONCRETE)  6  4  1m long spall top of SW wingwall.    Backwalls/Breastwalls  6  4  1m long spall top of SW wingwall.    Piles  N  N    Paint/Coating  8  5  less than 5% peeling.    Abutment Stability  7  7    Scour/Erosion  X  X    Piers/Bents  Vertical crack over access panel, East end pier 3, South side.    Scaling/delamination/cracking @ W. end P3photo    Medium scaling bottom of cap pier 2.							
Bridge Component    Last    Now    Explanation of Condition      Abutments	Superstruct	ure General	Rating		3		
Abutments    6    6      Bearing Seats/Caps    6    6      (Type : CONCRETE)							
Bearing Seats/Caps    6    6      (Type : CONCRETE)		ponent			Last	Now	Explanation of Condition
(Type : CONCRETE)      Backwalls/Breastwalls    5      Backwalls/Breastwalls    6      4    1m long spall top of SW wingwall.      Piles    N      Paint/Coating    8      Abutment Stability    7      Scour/Erosion    X      Y    Y      Piers/Bents    Vertical crack over access panel, East end pier 3, South side.      Scaling/delamination/cracking @ W. end P3photo      Medium scaling bottom of cap pier 2.		e/Cane			6	6	
Backwalls/Breastwalls    5    5      Wingwalls    6    4    1m long spall top of SW wingwall.      Piles    N    N    N      Paint/Coating    8    5    less than 5% peeling.      Abutment Stability    7    7      Scour/Erosion    X    X      Piers/Bents    Vertical crack over access panel, East end pier 3, South side.      Scaling/delamination/cracking @ W. end P3photo      Medium scaling bottom of cap pier 2.						0	
Piles  N  N    Paint/Coating  8  5  less than 5% peeling.    Abutment Stability  7  7    Scour/Erosion  X  X    Piers/Bents  Vertical crack over access panel, East end pier 3, South side.    Scaling/delamination/cracking @ W. end P3photo    Medium scaling bottom of cap pier 2.	· · · ·	/			5	5	
Paint/Coating    8    5    less than 5% peeling.      Abutment Stability    7    7      Scour/Erosion    X    X      Piers/Bents    X    X      (Type : PIER-COLUMN)    Vertical crack over access panel, East end pier 3, South side. Scaling/delamination/cracking @ W. end P3photo      Bearing Seats/Caps    4    4      (Type : CONCRETE)    Vertical crack over access panel, East end pier 3, South side. Scaling/delamination/cracking @ W. end P3photo	Wingwalls				6	4	1m long spall top of SW wingwall.
Abutment Stability  7  7    Scour/Erosion  X  X    Piers/Bents  Vertical crack over access panel, East end pier 3, South side.    Scaling/delamination/cracking @ W. end P3-photo    Bearing Seats/Caps  4  4    (Type : CONCRETE)  Vertical crack over access panel, East end pier 3, South side.	Piles				N	N	
Scour/Erosion    X    X      Piers/Bents    (Type : PIER-COLUMN)      Bearing Seats/Caps    4    4      (Type : CONCRETE)    4    4	Paint/Coating	9			8	5	less than 5% peeling.
Piers/Bents    Vertical crack over access panel, East end pier 3, South side.      Bearing Seats/Caps    4    4      (Type : CONCRETE)    Vertical crack over access panel, East end pier 3, South side.      Scaling/delamination/cracking @ W. end P3photo    Medium scaling bottom of cap pier 2.	Abutment Sta	ability			7	7	
(Type : PIER-COLUMN)      Bearing Seats/Caps    4    4      (Type : CONCRETE)    Vertical crack over access panel, East end pier 3, South side.      Scaling/delamination/cracking @ W. end P3photo      Medium scaling bottom of cap pier 2.	Scour/Erosion					X	
(Type : PIER-COLUMN)      Bearing Seats/Caps    4    4      (Type : CONCRETE)    Vertical crack over access panel, East end pier 3, South side.      Scaling/delamination/cracking @ W. end P3photo      Medium scaling bottom of cap pier 2.	Piers/Bents					1	
Bearing Seats/Caps    4    4    Scaling/delamination/cracking @ W. end P3photo      (Type : CONCRETE)    Medium scaling bottom of cap pier 2.		R-COLUMN			Vertical crack over access panel, East end pier 3, South side.		
					4	4	Scaling/delamination/cracking @ W. end P3photo
	(Type : <b>CO</b>	NCRETE)					Medium scaling bottom of cap pier 2.
(Total Number of Bearing Piles : 6:6:6) Diar Sheft/Dilag							
Pier Shaft/Piles  7  7  Most piles have harme map cracks.    Page 3 of 6			Piles : <b>6:6:6</b> )				Spall N ed pile 4 pier 2.

Alberta Transportation

			Subst	tructure				
Bridge Component		Last	Now	Explanation of Condition				
Bracing/Struts/Sheathing			X					
Nose Plate		X	Х					
Paint/Coating		6	6	Peeling at ends of caps.				
(Colour Description : )				Pigmented sealer.				
(Colour Code : )								
Pier Stability		8	8					
Scour		Х	Х					
Debris (Y/N)	No							
Substructure General Rating			4					
		S	Structu	re Usage				
		Last	Now	Explanation of Condition				
Grade Separation								
Road Alignment		7	7					
Traffic Safety Features		5	4	Snow covered.				
Туре	Flexbeam			3 broken posts and 2 damaged rail visible S side EBLphoto				
Slope Protection		4	4	Max gap is 60mm on North headslope with 100mm settlement. Max				
(Type : CONCRETE; CONCR	ETE)			gap is 45mm on South headslope. At top 50mm settlement South slope protection buckled @ toe. NE slope protection drain trough cracked & allowing water under slope protectionphoto				
Bank Stability		5	5					
Drainage		4	N	Ponding at bottom of North headslopephoto-06-Oct-2010 Too much snow to view.				
Grade Separation General Rating			4					

					Maintenance R	ecommend	lations						L
Inspector Recom	mendations	Yea	r	Inspector	r Comments		Department Co	mmen	its		Target Year	Est. Cost	Cat #
REPAIR/REPLAC	E BRIDGE RAIL	2013	3	Replace	2 nuts, if not already done.								
GALVANIZE/PAI	NT BRIDGE RAIL												
SEAL CURBS													
PATCH DECK													
SEAL DECK													
OVERLAY DECK													
REPAIR/REPLAC	E DECK JOINTS												
<b>RESET/ PAINT B</b>	EARINGS												
WASHING													
SHOTCRETE RE	PAIRS												
REPAIR ABUTM	ENT SCOUR/EROSI	ON											
PLACE ADDITIO	NAL RIP RAP												
<b>REMOVE DRIFT</b>	ACCUMULATION												
OTHER ACTION		2013		Replace	vertical clearance signs to earance.	show							
OTHER ACTION		2013	3	Seal crac drain trou	cked NE abutment slope pr ugh, if not already done.								
OTHER ACTION		2013	3	Repair gu	uardrail and posts @ SE & & S side Hwy 16A.								
OTHER ACTION		2013	3	Remove	gravel from base of North l	headslope							
OTHER ACTION		2013			thole in SBL N approach.								
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Cond (%)	ition Rating (Last/N	ow) 38.9	/38.9		Sufficiency Rating (Last (%)	/Now)	49.6/42.8	Es	t. Repl. Yr	2035	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor cracks in gi Monitor cracked sho	rder ends an ear block.	d det	terioratior	n @ P3.		Department Comments						
Maintenance Reviewed By							Date			E	Estimated Total	I 0	
Proposed Long-T													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspecto	Shane Hall	Shane Hall Previous Assistant's Name											

Alberta Transportation	Bridge Inspection & Maintenance System (Web 2	2005) 77521	S-1 Bridge
Next Inspection Date	17-Sep-2014	Previous Inspection Date	06-Oct-2010
Inspection Cycle (Default) (months)	21		
Comment			