					Bridg	e Culve	ert Insp	ection				
Bridge File Nun	nber	79408	-1 Bridge Culve	rt			Form 7	Гуре		CUL1		
Year Built		1982					Lot No			4		
Bridge or Town	Name	SEEBE					Inspec	tor Name		Garry Roberts		
Located Over			LD CREEK, 2.1	3.43.8, W	ATER	CRS-	Inspec	tor Class		BR CLS A		
1		ST	24.0.050				Assista	ant Name				
Located On	N/	68:04 C	C1 6.652				Assista	ant Class				
Water Body Cl.							Inspec	tion Date		27-Aug-2012		
Navigabil. Cl./Y		NIVA CE	.O 47 TMD 04 F	OF 7 \\(\(\)	- N 4		Data E	ntry By		Lauren Korte		
Legal Land Loc			C 17 TWP 24 F	GE / W	DIVI			ntry Date		26-Sep-2012		
Longitude, Latit Road Authority	lude		7:09, 51:02:60 Transportation	/AIT)			Reviev	ver Name	!	Tom Carey		
Contract Main.	Aroa	CMA28	•	(AII)			Reviev			31-Aug-2012		
Clear Roadway		13.5 /)				· ·	Reviewer				
AADT/Year	JOKEW		011 (A)				-	Review Da	ate	02-Oct-2012		
Road Classifica	ation		11.8-110				Follow	-Up By				
Detour Length		16	11.0 110				-					
Bridge Culvert										I.		
Number of Culv			1									
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab	Shape
											Thickness	
	MAIN		3960	1680		RP		28.7		152X51	5.0	ARCH
Special Feature												
Special Feature	es Comr	ment										
					Uti	ilities (L	ocated	at)				
Utility Attachme	ents					·		,				
Telephone							Gas					
Power							Munici	pal				
Others							Proble	m (Y/N)	No			
Remarks	None	visible.										
Approach Road / Embankment Last Now Explanation of Condition												
					Last	Now						
Horizontal Align					4	4	Curves	s - advisoi	ry spee	ed sign 65 km/h	r.	
Vertical Alignme					7	7						
Roadway Width	n (m)		13.500									
Embankment					7	7						
Sideslope (_:1)		3.0				1					
(Height of Co	ver(m) :	2)					1					
Guardrail (Y/N)			No									
Approach Roa	id / Emb	oankme	nt General Rat	ing	4	4						
						Upstre	am Enc					
Culvert Compo	onent				Last	Now	Explar	nation of	Condi	tion		
Direction		S										
End Treatment Others, None)	(Concre	ete, Stee	el, CONCRETE	<u> </u>								
Headwall					7	7						
Collar					7	7						
Wingwalls					Х	Х						
(Shape:)												
Cutoff Wall					X	X						

79408 -1 Bridge Culvert

Upstream End											
Culvert Component		Last	Now	Explanation of Condition							
Bevel End		6	6	Missing numerous bolts @ plate/footing connection - as built.							
Heaving (mm)	0										
Invert Above/Below Stream Bed											
Above/Below (mm)	400										
Scour Protection		7	7								
(Type: RIP RAP)											
(Avg. Rock Size(mm) : 350)											
Scour/Erosion		7	7								
7 (44)	 ,,										
Beavers (Y/N)	Yes			Dam across U/s bevel and in U/S pond.							
Upstream End General Rating		6	6								
Bridge Culvert Barrel Culvert Component											
Culvert Component	tion Code MAIN Coo	Last	Now	<u> </u>							
(Pipe # : 1, Primary Span, Loca		in (mm): 3960	, Rise (mm): 1680, Type: RP)							
Barrel Last Accessible Date	27-Aug-2012										
Special Features											
Special Feature											
(Type:)											
Special Feature											
(Type:)											
Roof		7	7								
Measured Rise (mm)				Est.							
Measured At Ring No.											
Sag (mm)	20										
Percent Sag											
Sidewall		7	7	Concrete poured to mid sidewall.							
Measured Span (mm)	3810										
Measured At Ring No.	3										
Deflection (mm)	150										
Percent Deflection	4										
Floor		Х	Х	Floor natural, lined with rock.							
Bulge (mm)											
Measured At Ring No.											
Abrasion (Y/N)											
Circumferential Seams		7	7								
Separation (mm)	0										
Longitudinal Seams		7	7								
Total No. of Cracked Rings	0										
Total No. of Rings with Two Cracked Seams	0										
Min. Remaining Steel Between Cracks (mm)											
Proper Lap (Y/N)	No										
Longitudinal Stagger (Y/N)	No										
Coating		6	6								
Corrosion By Soil (Y/N)	No										
Corrosion By Water (Y/N)	No										
Camber POS/ZERO/NEG	ZERO										
Ponding (Y/N)	No										

Culver Component (Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 3960, Rise (mm): 1680, Type: RP) Fish Passage Adequacy 7 7 Baffle (Type:) X X (Iriye:) T 5 Icing (Y/N) Silting (Y/N) No Beaver dam at U/S bevel. Drift (Y/N) Yes Downstream End Culvert Component Direction Last Now North. End Treatment (Concrete, Steel, Others, None) CONCRETE North. Headwall 7 7 Collar 7 7 Wingwalls (Shape:) X X Cutoff Wall X X Bevel End Above/Below (mm) BELOW Above/Below (mm) BELOW Above/Below (mm): 350 Scour/Frosion N 6 Bever (Y/N) No 6	pe # : 1, Primary Span, Location sh Passage Adequacy ffle //pe :) aterway Adequacy cing (Y/N) Silting (Y/N) Orift (Y/N) virrel General Rating elivert Component rection d Treatment (Concrete, Steel, Concrete, None) readwall	No No Yes	(mm) 7 X 7 Doc.ast	7 X 5	Rise (mm): 1680, Type: RP) Beaver dam at U/S bevel.									
Fish Passage Adequacy	sh Passage Adequacy ffle /pe:) aterway Adequacy cing (Y/N) Silting (Y/N) Orift (Y/N) // Correct General Rating silvert Component rection d Treatment (Concrete, Steel, Concrete, None) eadwall sillar	No No Yes	7 X 7 Poc.ast	7 X 5	Beaver dam at U/S bevel.									
Baffle	ffle //pe:) aterway Adequacy cing (Y/N) Silting (Y/N) Orift (Y/N) Verrel General Rating Silvert Component rection d Treatment (Concrete, Steel, Concrete, None) Padwall Sillar	No No Yes La	7 7 Do	X 5 7										
Type : Waterway Adequacy	Arterway Adequacy Cing (Y/N) Cilting (Y/N) Crift (Y/N) Crift (Y/N) Crift Component Crection Crift Treatment (Concrete, Steel, Concrete, None) Crift (Y/N) Crift (Y	No No Yes	7 7 Dc	7										
Waterway Adequacy	aterway Adequacy cing (Y/N) Silting (Y/N) Orift (Y/N) Arrel General Rating Elvert Component Frection d Treatment (Concrete, Steel, Concrete, None) Freadwall Fillar	No No Yes La	7 Do	7										
Icing (Y/N)	cing (Y/N) Silting (Y/N) Orift (Y/N) Verrel General Rating Silvert Component rection d Treatment (Concrete, Steel, hers, None) readwall Sillar	No No Yes La	7 Do	7										
Silting (Y/N)	Silting (Y/N) Orift (Y/N) Irrel General Rating Ilvert Component Pection d Treatment (Concrete, Steel, Concrete, None) Padwall Illar	No Yes	Do .ast	7										
Silting (Y/N)	Silting (Y/N) Orift (Y/N) Irrel General Rating Ilvert Component Pection d Treatment (Concrete, Steel, Concrete, None) Padwall Illar	Yes La	Do .ast	7										
Downstream End Culvert Component Last Now Explanation of Condition North.	rivert Component rection d Treatment (Concrete, Steel, hers, None) radwall	La N	Do .ast		eam End									
Downstream End	d Treatment (Concrete, Steel, Concrete, None)	La N	Do .ast		eam End									
Culvert Component Last Now Direction Explanation of Condition Direction N North. End Treatment (Concrete, Steel, Others, None) CONCRETE Headwall 7 7 Collar 7 7 Wingwalls X X (Shape:) X X Cutoff Wall X X Bevel End 7 7 Heaving (mm) 0 Invert Above/Below Stream Bed BELOW Above/Below (mm) 200 Scour Protection (Type: NATURAL) (Avg. Rock Size(mm): 350) Scour/Erosion N 6	d Treatment (Concrete, Steel, Concrete, None) eadwall	N	ast	ownstr	eam End									
Direction	d Treatment (Concrete, Steel, Concrete, None) eadwall	N		Downstream End										
End Treatment (Concrete, Steel, Others, None) Headwall 7 7 7 Collar 7 7 Wingwalls X X (Shape:) Cutoff Wall X Bevel End 7 7 Heaving (mm) 0 Invert Above/Below Stream Bed Above/Below (mm) 200 Scour Protection 5 6 (Type: NATURAL) (Avg. Rock Size(mm): 350) Scour/Erosion N 6	d Treatment (Concrete, Steel, Concrete, None) eadwall			Now	Explanation of Condition									
Others, None) 7 7 Headwall 7 7 Collar 7 7 Wingwalls X X (Shape:) Cutoff Wall X Bevel End 7 7 Heaving (mm) 0 Invert Above/Below Stream Bed BELOW Above/Below (mm) 200 Scour Protection 5 6 (Type: NATURAL) (Avg. Rock Size(mm): 350) Scour/Erosion N 6	hers, None)	CONCRETE	1		North.									
Collar 7 7 Wingwalls X X (Shape:) X X Cutoff Wall X X Bevel End 7 7 Heaving (mm) 0 0 Invert Above/Below Stream Bed BELOW Above/Below (mm) 200 5 Scour Protection 5 6 (Type: NATURAL) (Avg. Rock Size(mm): 350) N Scour/Erosion N 6	llar	CONONETE												
Wingwalls X X (Shape :) Cutoff Wall X X Bevel End 7 7 Heaving (mm) 0 Invert Above/Below Stream Bed BELOW Above/Below (mm) 200 Scour Protection 5 6 (Type : NATURAL) (Avg. Rock Size(mm) : 350) N 6			7	7										
(Shape :) X X Cutoff Wall X X Bevel End 7 7 Heaving (mm) 0 Invert Above/Below Stream Bed BELOW Above/Below (mm) 200 Scour Protection 5 6 (Type : NATURAL) (Avg. Rock Size(mm) : 350) Scour/Erosion N 6			7	7										
Cutoff Wall X X Bevel End 7 7 Heaving (mm) 0 0 Invert Above/Below Stream Bed BELOW Above/Below (mm) Scour Protection 5 6 (Type: NATURAL) (Avg. Rock Size(mm): 350) Scour/Erosion N 6	Wingwalls			Χ										
Bevel End	(Shape:)													
Heaving (mm) 0	toff Wall		Х	Х										
Invert Above/Below Stream Bed	Bevel End			7										
Above/Below (mm) 200 Scour Protection 5 6 (Type : NATURAL) (Avg. Rock Size(mm) : 350) Scour/Erosion N 6	Heaving (mm) 0													
Scour Protection 5 6 (Type : NATURAL) (Avg. Rock Size(mm) : 350) Scour/Erosion N 6	Invert Above/Below Stream Bed BELOW													
(Type : NATURAL) (Avg. Rock Size(mm) : 350) Scour/Erosion N 6	Above/Below (mm) 200													
(Avg. Rock Size(mm) : 350) Scour/Erosion N 6	our Protection		5	6										
Scour/Erosion N 6	Type : NATURAL)													
	Avg. Rock Size(mm) : 350)													
Reavers (Y/N) No	our/Erosion		N	6										
Deavers (1714)	avers (Y/N) No	No												
Downstream End General Rating 5 6	wnstream End General Rating	ng	5	6										
Structure Usage			St	tructur	e Usage									
Last Now Explanation of Condition		La	.ast	Now	Explanation of Condition									
Channel (U/S and D/S)	Channel (U/S and D/S)													
Alignment 7 7 Ponds at both ends.	gnment		7	7	Ponds at both ends.									
Bank Stability 7 7	Bank Stability			7										
HWM (m below Top of Culvert) Hwm not visible.	HWM (m below Top of Culvert)				Hwm not visible.									
Drift (Y/N) No	Drift (Y/N) No													
Channel Bottom Degrading/Aggrading NONE Beaver dam at u/s and d/s pond not affecting culvert.					Beaver dam at u/s and d/s pond not affecting culvert.									
Beavers (Y/N) Yes	Beavers (Y/N) Yes													
(Fish Compensation Measure 1 : NONE)	·													
(Fish Compensation Measure 2 : NONE)	(Fish Compensation Measure 2 : NONE)													
Channel General Rating 7 7	annel General Rating		7	7										

			Mainten	ance Recommer	dations						
Inspector Recommendations	Year					Department Comments				Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING	6										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUT	OFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N (%)	ow) 77.8/77	7.8	Sufficiency Ratin (%)	g (Last/Now)	64.5/59.1	Est. Repl. Yr	2033	Maint. Re	eqd. (Y/N)	No	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date		E	Stimated Tota	ıI 0		
Proposed Long-Term Strategy									·		
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Garry Roberts			Previous	Assistant's Name						
Next Inspection Date	27-May-2014			Previous	Inspection Date 06-Jan-2011						
Inspection Cycle (Default) (months)	21										
Comment											