					Bridg	e Culve	ert Insp	ection						
Bridge File Number 09925 -1			5-1 Bridge Culvert				Form Type			CUL1				
Year Built		1994					Lot No			2				
Bridge or Town	Name	WANH	AM				Inspec	tor Name		Brian Pientsch	1			
Located Over		TRIBUT WATER	TARY TO VIXE	N CK, 8.1	0.72.2.1.5,		Inspector Class		BR CLS A					
		C1 28.477				Assistant Name		Brian Cote						
Water Body Cl./								ant Class		07.1.1.0044				
Navigabil. Cl./Ye								tion Date		07-Jul-2011				
Legal Land Loca		SE SE	C 5 TWP 78 RG	E 2 W6M				intry By		Lisa Fairhurst				
Longitude, Latitu		-118:15	5:43, 55:43:23					intry Date		12-Aug-2011				
Road Authority			berta Transportation (AIT)				Reviewer Name			Arnold Assenheimer				
Contract Main.		CMA05	· · · · · · · · · · · · · · · · · · ·	,			Review Date			13-Jul-2011				
Clear Roadway/	/Skew	12 /					Dept. Reviewer Name				<u>.n</u>			
AADT/Year		950 / 20	010 (A)				Dept. Review Date		18-Nov-2011					
Road Classificat			11.8-110				Follow	Follow-Up By						
Detour Length (km)	6												
Bridge Culvert Information														
Number of Culv	erts		1											
Pipe #	Barrel		Span	Rise (or D		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	2400		MP		37		125X26	2.8	ROUND		
Special Feature	 S			12.00				-						
Special Feature		nent												
					Uti	ilities (L	ocated	at)						
Utility Attachme	nts							,						
Telephone South r/w							Gas							
Power							Munici	pal						
Others								m (Y/N)	No					
Remarks														
Approach Road / Embankment														
						Now	Explanation of Condition							
Horizontal Alignment				7	7	INTERSECTION 150M E.								
Vertical Alignme					8	8								
Roadway Width	(m)		12.000											
Embankment					3	3				g @ SW corner	. 2.5m deep x	3m wide @		
Sideslope (:1)		4.0			deepest section. photo Minor erosion @ NW corner.									
(Height of Cov	/er(m) :	3.2)												
Guardrail (Y/N)		Yes												
Approach Road	d / Emb	ankme	nt General Rating		7	7								
						Upstre	am Enc							
Culvert Compo	nent				Last	Now	Explai	nation of	Condi	tion				
Direction			S											
End Treatment (Concrete, Steel, Others, None)														
Headwall				Х	Х									
Collar					Х	Х								
Wingwalls					Х	Х								
(Shape:)														
Cutoff Wall				X	X									

09925 -1 Bridge Culvert

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		7	7							
Heaving (mm)	100									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	500									
Scour Protection			8							
(Type: RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		8	8							
Beavers (Y/N) No										
Upstream End General Rating		7	7							
		Brid	dge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2400, Type: MP)						
Barrel Last Accessible Date	28-Oct-2009			Not accessible viewed from ends.						
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		7	7	Shape looks good as viewed from ends.						
Measured Rise (mm)	2323									
Measured At Ring No.				(10m from u/s Oct 28 2009)						
Sag (mm)	77									
Percent Sag	3									
Sidewall		7	7							
Measured Span (mm)	2451			10m from u/s						
Measured At Ring No.										
Deflection (mm)	51									
Percent Deflection	2									
Floor		7	N							
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		6	N							
Separation (mm)	32									
Longitudinal Seams		X	X							
Total No. of Cracked Rings										
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)										
Longitudinal Stagger (Y/N)										
Coating		8	7							
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Last Now Explanation of Condition Page Pa			Bric	dge Cu	lvert Barrel
Section	Culvert Component		Last Now		Explanation of Condition
Baffile	(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2400, Type: MP)
(Type :) Waterway Adequacy Ling (Y/N) No Silting (Y/N) No Drift (Y/N) No Sarrel General Rating 7 7 Culver Component Direction Find Treatment (Concrete, Steel, Others, None) Collar Collar X X Wingwalls X X Wingwalls X X Wingwalls X X Wingwalls X X Sevel End Peaving (mm) 150 Invert Above/Bellow (stream Bed BELOW Above/Bellow (stream Bed Bellow) Above/Bellow (stream Bed Bellow) Above/Bellow (stream) Scour/Frotection 8 8 8 Beavers (Y/N) No Downstream End General Rating 7 7 Structure Usage Explanation of Condition	Fish Passage Adequacy			8	
Waterway Adequacy 8 8 Loing (Y/N) No 1 Silling (Y/N) No 1 Drift (Y/N) No 1 Solution of Condition Curvert Component Last Now End Treatment (Concrete, Steel, Steel, Others, None) STEEL Now End Treatment (Concrete, Steel, Sheel, Others, None) STEEL X X Collar X X X Wingwalls X X X (Shape:) X X X Cuteff Wall X X X Bevel End T X X Invert Above/Below Stream Bed Above/Below (mm) BELOW X X Above/Below (mm) 1000 X X Scour/Frotection 8 8 8 (Ayz, Rock Size(min) : 300) X Y Y Scour/Frotection 8 8 8 Beavers (Y/N) No Last Now Now Now	Baffle			Х	
Waterway Adequacy 8 8 Loing (Y/N) No 1 Silling (Y/N) No 1 Drift (Y/N) No 1 Solution of Condition Curvert Component Last Now End Treatment (Concrete, Steel, Steel, Others, None) STEEL Now End Treatment (Concrete, Steel, Sheel, Others, None) STEEL X X Collar X X X Wingwalls X X X (Shape:) X X X Cuteff Wall X X X Bevel End T X X Invert Above/Below Stream Bed Above/Below (mm) BELOW X X Above/Below (mm) 1000 X X Scour/Frotection 8 8 8 (Ayz, Rock Size(min) : 300) X Y Y Scour/Frotection 8 8 8 Beavers (Y/N) No Last Now Now Now	(Type:)				
Loing (Y/N)				8	
Silting (Y/N)		No			
Drift (Y/N)					
Barrel General Rating					
Culvert Component Last Now Explanation of Condition Direction N N Image: Condition N Image: Condition N Image: Condition N Image: Condition				7	
Culvert Component Last Now Explanation of Condition Direction N N Image: Condition N Image: Condition N Image: Condition N Image: Condition			D	ownstr	ream End
Direction	Culvert Component				
Others, None) Headwall X	·				
Headwall	End Treatment (Concrete, Steel, Others, None)	STEEL			
Mingwalls	Headwall		Х	Х	
Cutoff Wall	Collar		Х	Х	
Cutoff Wall X X Bevel End 7 7 Heaving (mm) 150 ————————————————————————————————————	Wingwalls			Х	
Bevel End					
Heaving (mm)				X	
Invert Above/Below Stream Bed	Bevel End		7	7	
Above/Below (mm) 1000 Scour Protection	Heaving (mm)	150			
Scour Protection	Invert Above/Below Stream Bed	BELOW			
(Type : RIP RAP)	Above/Below (mm) 1000				
Cour/Erosion Sample Structure Usage Structure Usage Last Now Explanation of Condition			8	8	
Scour/Erosion 8 8 8	(Type : RIP RAP)				
Downstream End General Rating 7 7	(Avg. Rock Size(mm) : 300)				
Downstream End General Rating 7 7 Structure Usage Last Now Explanation of Condition Channel (U/S and D/S) Alignment 8 8 8 Bank Stability 8 8 8 HWM (m below Top of Culvert) 0.5 Drift (Y/N) No Channel Bottom Degrading/Aggrading Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	Scour/Erosion		8	8	
Structure Usage Last Now Explanation of Condition Channel (U/S and D/S) Alignment 8 8 8 Bank Stability 8 8 8 HWM (m below Top of Culvert) 0.5 Drift (Y/N) No Channel Bottom Degrading/Aggrading Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	Beavers (Y/N) No				
Last Now Explanation of Condition Channel (U/S and D/S) Alignment 8 8 Bank Stability 8 8 HWM (m below Top of Culvert) 0.5 □ Drift (Y/N) No □ Channel Bottom Degrading/Aggrading NONE □ Beavers (Y/N) No □ (Fish Compensation Measure 1 : NONE) □ □ (Fish Compensation Measure 2 : NONE) □ □	Downstream End General Rating			7	
Channel (U/S and D/S) Alignment 8 8 8 Bank Stability 8 8 8 HWM (m below Top of Culvert) 0.5 Drift (Y/N) No Channel Bottom Degrading/Aggrading Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)			S	tructu	re Usage
Alignment 8 8 Bank Stability 8 8 HWM (m below Top of Culvert) 0.5 Drift (Y/N) No Channel Bottom Degrading/Aggrading Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)			Last	Now	Explanation of Condition
Bank Stability 8 8 HWM (m below Top of Culvert) 0.5 Drift (Y/N) No Channel Bottom Degrading/Aggrading Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	<u> </u>				
HWM (m below Top of Culvert) 0.5 Drift (Y/N) No Channel Bottom Degrading/Aggrading Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	Alignment		8	8	
Drift (Y/N) No Channel Bottom NONE Degrading/Aggrading Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	Bank Stability			8	
Channel Bottom Degrading/Aggrading Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	HWM (m below Top of Culvert)	0.5			
Degrading/Aggrading Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	Drift (Y/N)	No			
(Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)		NONE			
(Fish Compensation Measure 2 : NONE)	Beavers (Y/N) No				
	(Fish Compensation Measure 1 : NONE)				
Channel General Rating 8 8	(Fish Compensation Measure 2 : NONE)				
				8	

			Maintenance F	Recommen	dations					
Inspector Recommendations	Year	Inspector	Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS					•					
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION	2011	Repair di	tch erosion @ SW corner.							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 77.8/7	77.8/77.8 Sufficiency Rating (Last/N (%)		t/Now)	79.8/79.8 Est. Repl. Y		2039	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		Е	stimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Shane Hall			Assistant's Name						
Next Inspection Date	07-Apr-2013			s Inspection Date 28-Oct-2009						
Inspection Cycle (Default) (months)	21									
Comment										