Bridge Culvert Inspection									
Bridge File Number	86246 -	1 Bridge Culvert			Form Type	CULM			
Year Built	1982				Lot No.	4			
Bridge or Town Name		COURSE CULVERT OF	N HWY 58		Inspector Name	Brian Pientsch			
		IIGH LEVEL			Inspector Class	BR CLS A			
Located Over		COURSE, WATERCRS	·NI		Assistant Name	Lisbeth Medina			
Located On	58:06 C	1 69.210			Assistant Class				
Water Body Cl./Year					Inspection Date	25-May-2010			
Navigabil. Cl./Year	104/05/	2 04 TWD 400 DOE 401			Data Entry By	Theresa Lacusta			
Legal Land Location		31 TWP 109 RGE 19 \	W5M		Data Entry Date	06-Jul-2010			
Longitude, Latitude		17, 58:30:46			Reviewer Name	Arnold Assenheimer			
Road Authority		Transportation (AIT)			Review Date	23-Jun-2010			
Contract Main. Area	CMA01				Dept. Reviewer Nan	e Steve Pasquan			
,	8.1 /	44 (A)			Dept. Review Date	09-Sep-2010			
AADT/Year Road Classification	730 / 20				Follow-Up By				
	999	9-110							
Detour Length (km)  Bridge Culvert Inform									
Number of Culverts		 )							
Special Features		<i>J</i>							
Special Features Comr	ment								
opeoiai i catales com	IIICIII								
			Util	ities (L	ocated at)				
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N) No				
Damanica									
Remarks									
Remarks		A		1	I / Embankment	100			
		A	oproac Last	Now	/ Embankment Explanation of Cor	dition			
Horizontal Alignment		A		Now 8		dition			
Horizontal Alignment Vertical Alignment				Now		dition			
Horizontal Alignment Vertical Alignment Roadway Width (m)		8.100		8 8		dition			
Horizontal Alignment Vertical Alignment Roadway Width (m) Embankment		8.100		Now 8		dition			
Horizontal Alignment Vertical Alignment Roadway Width (m) Embankment Sideslope (:1)				8 8		dition			
Horizontal Alignment Vertical Alignment Roadway Width (m)  Embankment Sideslope (:1) (Height of Cover(m):	: 1.5)	8.100		8 8		dition			
Horizontal Alignment Vertical Alignment Roadway Width (m) Embankment Sideslope (:1)	: 1.5)	8.100		8 8		dition			
Horizontal Alignment Vertical Alignment Roadway Width (m)  Embankment Sideslope (:1) (Height of Cover(m):		8.100 3.0 No		8 8		dition			
Horizontal Alignment Vertical Alignment Roadway Width (m)  Embankment Sideslope (:1) (Height of Cover(m): Guardrail (Y/N)		8.100 3.0 No	Last	8 8 6		dition			
Horizontal Alignment Vertical Alignment Roadway Width (m)  Embankment Sideslope (:1) (Height of Cover(m): Guardrail (Y/N)		8.100 3.0 No	Last	8 8 Upstre	Explanation of Cor				
Horizontal Alignment Vertical Alignment Roadway Width (m)  Embankment Sideslope (:1) (Height of Cover(m): Guardrail (Y/N)  Approach Road / Emb	bankmer	8.100 3.0 No	Last	8 8 Upstre	Explanation of Cor				
Horizontal Alignment Vertical Alignment Roadway Width (m)  Embankment Sideslope (:1) (Height of Cover(m): Guardrail (Y/N)  Approach Road / Emb	bankmer	8.100 3.0 No	Last	8 8 Upstre	Explanation of Cor				
Horizontal Alignment Vertical Alignment Roadway Width (m)  Embankment Sideslope (:1) (Height of Cover(m): Guardrail (Y/N)  Approach Road / Emb  Culvert Component (Pipe #:1, Span Type Direction End Treatment (Concre	oankmen	8.100  3.0  No  It General Rating	Last	8 8 Upstre	Explanation of Cor				
Horizontal Alignment Vertical Alignment Roadway Width (m)  Embankment Sideslope (:1) (Height of Cover(m): Guardrail (Y/N)  Approach Road / Emb  Culvert Component (Pipe #: 1, Span Type Direction	oankmen	8.100  3.0  No  It General Rating	Last	8 8 Upstre	Explanation of Cor				
Horizontal Alignment Vertical Alignment Roadway Width (m)  Embankment Sideslope (:1) (Height of Cover(m): Guardrail (Y/N)  Approach Road / Emb  Culvert Component (Pipe #: 1, Span Type Direction End Treatment (Concre Others, None)	oankmen	8.100  3.0  No  It General Rating	Last	8 8 Upstree	Explanation of Cor				
Horizontal Alignment Vertical Alignment Roadway Width (m)  Embankment Sideslope (:1) (Height of Cover(m): Guardrail (Y/N)  Approach Road / Emb  Culvert Component (Pipe #:1, Span Type Direction End Treatment (Concre Others, None) Headwall	oankmen	8.100  3.0  No  It General Rating	Last	8 8 Upstree Now	Explanation of Cor				
Horizontal Alignment Vertical Alignment Roadway Width (m)  Embankment Sideslope (:1) (Height of Cover(m): Guardrail (Y/N)  Approach Road / Emb  Culvert Component (Pipe #: 1, Span Type Direction End Treatment (Concre Others, None) Headwall  Collar	oankmen	8.100  3.0  No  It General Rating	Last	8 8 Upstree Now	Explanation of Cor				
Horizontal Alignment Vertical Alignment Roadway Width (m)  Embankment Sideslope (:1) (Height of Cover(m): Guardrail (Y/N)  Approach Road / Emb  Culvert Component (Pipe #: 1, Span Type Direction End Treatment (Concre Others, None) Headwall  Collar  Wingwalls	oankmen	8.100  3.0  No  It General Rating	Last	8 8 Upstree Now	Explanation of Cor				
Horizontal Alignment Vertical Alignment Roadway Width (m)  Embankment Sideslope (:1) (Height of Cover(m): Guardrail (Y/N)  Approach Road / Emb  Culvert Component (Pipe #: 1, Span Type Direction End Treatment (Concre Others, None) Headwall  Collar  Wingwalls (Shape: )	oankmen	8.100  3.0  No  It General Rating	Last	8 8 Upstree Now	Explanation of Cor	dition			

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: )				
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	100			
Scour Protection			5	
(Type: NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion			5	
Beavers (Y/N)	No			
Upstream End General Rating			5	
		Brid	dae Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 1200, Type: MP)
Barrel Last Accessible Date				Viewed from ends and shape looks adequate. Water 0.6m deep.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
			l NI	
Roof			N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag			l	
Sidewall			N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor			N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)			,	
Circumferential Seams			N	
Separation (mm)				
Longitudinal Seams			N	Rivetted pipe.
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			6	Minor superficial corrosion above water level.
Corrosion By Soil (Y/N)				Tapania and and and and and and and and and an
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

		Brio	lge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 1200, Type: MP)
Fish Passage Adequacy			6	
Baffle			Х	
(Type:)				
Waterway Adequacy			5	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating			N	
		Bric	lge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (n	nm):	, Rise (mm): 1200, Type: MP)
Barrel Last Accessible Date				East pipe - Water 0.6m deep. Viewed from ends/shape looks adequate.
Special Features				
Special Feature				
(Type:)		1	1	
Special Feature				
(Type:)				
Roof			N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall	T		N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor			N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams	1		N	
Separation (mm)				
Longitudinal Seams			N	Rivetted pipe.
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			6	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

Bridge Culvert Barrel						
Culvert Component			Now	Explanation of Condition		
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1200, Type: MP)		
Fish Passage Adequacy			6			
Baffle			Х			
(Type:)						
Waterway Adequacy			5			
Icing (Y/N)	No					
Silting (Y/N)	No					
Drift (Y/N)	No					
Barrel General Rating			N			
		D	ownstr	ream End		
Culvert Component		Last	Now	Explanation of Condition		
(Pipe # : 2, Span Type: )						
Direction		E				
End Treatment (Concrete, Steel, Others, None)	STEEL					
Headwall			X			
Collar			X			
Wingwalls			Х			
(Shape: )						
Cutoff Wall			Х			
Bevel End			5			
Heaving (mm)	0					
Invert Above/Below Stream Bed	ABOVE					
Above/Below (mm)	2000					
Scour Protection			5			
(Type : <b>NATURAL</b> )						
(Avg. Rock Size(mm):)						
Scour/Erosion			5			
Beavers (Y/N)	No					
Downstream End General Ratio	ng		5			
		s	tructu	re Usage		
			Now	Explanation of Condition		
Channel (U/S and D/S)						
Alignment			7			
Bank Stability			7			
HWM (m below Top of Culvert)				HWM not visible.		
Drift (Y/N)	No					
Channel Bottom Degrading/Aggrading	DEGRADING			@ d/s end.		
Beavers (Y/N)	No					
(Fish Compensation Measure 1 :	NONE)					
(Fish Compensation Measure 2 :						
Channel General Rating			7			

86246 -1 Bridge Culvert

SHOTCRETE REPAIRS PLACE ADDITIONAL RIP RAP REMOVE DRIFT ACCUMULATION INSTALL CONCRETE STEEL LINING INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER			Maintenance	Recommendations					
PLACE ADDITIONAL RIP RAP  REMOVE DRIFT ACCUMULATION  INSTALL CONCRETE/STEEL LINING  INSTALL STRUTS  INSTALL CONCRETE/STEEL LINING  INSTALL CONCRETE COLLAR/CUTOFF  REPAIR SEAMS  OTHER ACTION  OTHER ACTION  OTHER ACTION  OTHER ACTION  OTHER ACTION  OTHER ACTION  Structural Condition Rating (Last/Now)  (%)  Special  Comments for Next Inspection  Maintenance Reviewed By  Proposed Long-Term Strategy  On 3-Year Program (Y/N)  Proposed Action  Previous Inspector's Name  Next Inspection Date  25-Feb-2012  Previous Inspection Date  Inspection Cycle (Default) (months)  21	Inspector Recommendations	Year	Inspector Comments	Department Con	nments	Target	t Year	Est. Cost	Cat #
REMOVE DRIFT ACCUMULATION INSTALL STRUTS INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION  Structural Condition Rating (Last/Now) (%)  Waint. Reqd. (Y/N) No  Department Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N) Proposed Action  Previous Inspection Date Next Inspection Date  Previous Inspection Date  Previous Inspection Date Inspection Cycle (Default) (months) 21	SHOTCRETE REPAIRS		·						
INSTALL CONCRETE/STEEL LINING INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N) Proposed Action  Previous Inspector's Name Next Inspection Date 25-Feb-2012 Previous Inspection Date Inspection Cycle (Default) (months) 21  INSTALL CONCRETE/STEEL LINING INSTALL STRUTS INST	PLACE ADDITIONAL RIP RAP								
INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER ACTIO	REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION  Structural Condition Rating (Last/Now) /55.6  Sufficiency Rating (Last/Now) /52.9  Est. Repl. Yr 2020 Maint. Reqd. (Y/N) No (%)  Special Comments for Next Inspection  Maintenance Reviewed By  Date  Estimated Total 0  Proposed Long-Term Strategy  On 3-Year Program (Y/N) Proposed Action  Previous Inspection Date  25-Feb-2012 Previous Inspection Date  Inspection Cycle (Default) (months) 21	INSTALL CONCRETE/STEEL LINING	i							
REPAIR SEAMS OTHER ACTION  Structural Condition Rating (Last/Now) /55.6 Sufficiency Rating (Last/Now) /52.9 Est. Repl. Yr 2020 Maint. Reqd. (Y/N) No (%) Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N) Proposed Action  Previous Inspector's Name Next Inspection Date 25-Feb-2012 Previous Inspection Date Inspection Cycle (Default) (months) 21	INSTALL STRUTS								
OTHER ACTION  Structural Condition Rating (Last/Now) (%)  Special Comments for Next Inspection Next Inspection  On 3-Year Program (Y/N) Proposed Action  Previous Inspection Strame Next Inspection Date  Department Department Comments  Department Comments  Previous Assistant's Name Next Inspection Date Department Department Comments  Previous Inspection Date Department Department Comments Department Department Comments Department Depa	INSTALL CONCRETE COLLAR/CUTO	OFF							
OTHER ACTION  Structural Condition Rating (Last/Now) /55.6 Sufficiency Rating (Last/Now) /52.9 Est. Repl. Yr 2020 Maint. Reqd. (Y/N) No Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N) Proposed Action  Previous Inspector's Name Next Inspection Date 25-Feb-2012 Previous Inspection Date Inspectio	REPAIR SEAMS								
OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) /55.6 Sufficiency Rating (Last/Now) /52.9 Est. Repl. Yr 2020 Maint. Reqd. (Y/N) No (%) Special Comments for Next Inspection  Maintenance Reviewed By Date Estimated Total 0 Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action  Previous Inspector's Name Next Inspection Date 25-Feb-2012 Previous Inspection Date Inspection Cycle (Default) (months) 21	OTHER ACTION								
Structural Condition Rating (Last/Now) /55.6 Sufficiency Rating (Last/Now) /52.9 Est. Repl. Yr 2020 Maint. Reqd. (Y/N) No (%) Department Comments for Next Inspection  Maintenance Reviewed By Date Estimated Total 0  Proposed Long-Term Strategy  On 3-Year Program (Y/N)  Proposed Action  Previous Inspector's Name Next Inspection Date 25-Feb-2012 Previous Inspection Date Inspection Cycle (Default) (months) 21	OTHER ACTION								
Structural Condition Rating (Last/Now) /55.6 Sufficiency Rating (Last/Now) /52.9 Est. Repl. Yr 2020 Maint. Reqd. (Y/N) No Special Comments for Next Inspection  Maintenance Reviewed By Date Estimated Total 0  Proposed Long-Term Strategy  On 3-Year Program (Y/N)  Proposed Action  Previous Inspector's Name Next Inspection Date 25-Feb-2012 Previous Inspection Date Ins	OTHER ACTION								
Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N) Proposed Action  Previous Inspector's Name Next Inspection Date Inspection Date Inspection Cycle (Default) (months)  Previous Inspection Date Inspection Cycle (Default) (months)  Department Comments  Department Comments  Pestimated Total  O  Previous Assistant's Name Previous Assistant's Name Previous Inspection Date Inspection Cycle (Default) (months)  21	OTHER ACTION								
Comments for Next Inspection  Maintenance Reviewed By  Date  Estimated Total 0  Proposed Long-Term Strategy  On 3-Year Program (Y/N)  Proposed Action  Previous Inspector's Name  Next Inspection Date  125-Feb-2012  Previous Inspection Date  Inspection Cycle (Default) (months)  21	Structural Condition Rating (Last/N (%)	ow) /55.6	Sufficiency Rating (La	ast/Now) /52.9	Est. Repl. Yr	2020 Ma	aint. Requ	d. (Y/N)	No
Proposed Long-Term Strategy  On 3-Year Program (Y/N)  Proposed Action  Previous Inspector's Name  Next Inspection Date Inspection Cycle (Default) (months)  21	Special Comments for Next Inspection			Department Comments					
On 3-Year Program (Y/N)  Proposed Action  Previous Inspector's Name  Next Inspection Date Inspection Cycle (Default) (months)  21	Maintenance Reviewed By			Date		Estimate	ed Total	0	
Previous Inspector's Name Previous Assistant's Name Next Inspection Date Inspection Cycle (Default) (months)  Previous Assistant's Name Previous Inspection Date 25-Feb-2012 Previous Inspection Date	Proposed Long-Term Strategy								
Previous Inspector's Name Previous Assistant's Name Next Inspection Date Inspection Cycle (Default) (months)  Previous Assistant's Name Previous Inspection Date  25-Feb-2012 Previous Inspection Date	On 3-Year Program (Y/N)								
Next Inspection Date 25-Feb-2012 Previous Inspection Date Inspection Cycle (Default) (months) 21	Proposed Action								
Inspection Cycle (Default) (months) 21	Previous Inspector's Name			Previous Assistant's Name					
Inspection Cycle (Default) (months) 21	Next Inspection Date	25-Feb-2012		Previous Inspection Date					
	·	21							
	Comment								