Duides Elle New	- b - n	00440	4 Duidan Outra		Billeg	e ourve		CLION					
Bridge File Number 82142 -1 Bridge Culvert Year Built 1996				π			Form Type			CULM			
Year Built	N	1996					LOT INO.			Z			
Bridge of Town	Name	SPIRIT				^ N I	Inspect						
Localed Over		RIVER,	8.10.82.1.2, W	ATERCR	S-ST	- IN	Accieta	of Class		DR CL3 D			
Located On		727:02	C1 14.737		AS								
Water Body Cl.	/Year						Inspect	ion Date		20-Mar-2012			
Navigabil. Cl./Y	I./Year						Data E	ntrv Bv		Theresa Lacus	sta		
Legal Land Loc	ation	tion NW SEC 36 TWP 79 RGE 7 W					Data E	ntrv Date		28-Mar-2012			
Longitude, Latit	tude	-118:57	:58, 55:53:39				Review	ver Name		Eric Carcoux			
Road Authority		Alberta	Transportation	(AIT)			Review	Date		27-Mar-2012			
Contract Main.	Area	CMA05	j				Dept. F	Reviewer	Name	David Morrisor			
Clear Roadway	/Skew	12 /					Dept. F	Review Da	ate	18-Oct-2012			
AADT/Year		240 / 20	011 (A)				Follow-	Up By					
Road Classifica	ation	RCU-2	09-110										
Detour Length ((km)	3											
Bridge Culvert	Informa	ation	2										
Number of Culv	/erts		3	Dies (er		Turne		L a va avtila		Com Drofile		Chana	
Pipe #	Barrei		Span	Rise (or	Dia.)	туре		Length		Corr. Profile	Thickness	Snape	
1	MAIN		-	2400		MP		32		125X26	2.8	ROUND	
2	MAIN		-	2400		MP		32		125X26	2.8	ROUND	
3	MAIN		-	2400		MP		32		125X26	2.8	ROUND	
Special Feature	es												
Special Feature	es Comn	nent											
					114	litios (l	ocated	at)					
Utility Attachme	ents				Uti	ilities (L	ocated	at)					
Utility Attachme	ents				Uti	ilities (L	ocated	at)					
Utility Attachme Telephone Power	ents				Uti	ilities (L	ocated Gas Municip	at)					
Utility Attachme Telephone Power Others	ents				Uti	ilities (L	Gas Municip Probler	at) Dal n (Y/N)	No				
Utility Attachme Telephone Power Others Remarks	ents				Uti	ilities (L	ocated Gas Municip Probler	at) pal m (Y/N)	No				
Utility Attachme Telephone Power Others Remarks	ents			Ap	Uti	ilities (L	Gas Municip Probler	at) bal m (Y/N) ankment	No				
Utility Attachme Telephone Power Others Remarks	ents			Ap	Uti oproad	ch Road	Gas Municip Probler	at) Dal m (Y/N) ankment ation of	No	ion			
Utility Attachme Telephone Power Others Remarks Horizontal Align	ents			Ap	Uti oproad Last 9	ilities (L ch Road Now 9	Gas Municip Probler	at) pal m (Y/N) ankment ation of	No Condit	ion			
Utility Attachme Telephone Power Others Remarks Horizontal Align	ents			Aş	Uti oproac Last 9 9	ch Road Now 9 9	Gas Municip Probler	at) Dal m (Y/N) ankment ation of	No	ion			
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width	ents		12.000	Ag	Uti oproad Last 9 9	ch Roac Now 9 9	Gas Municiț Probler I / Emba Explan	at) Dal m (Y/N) ankment ation of	No	ion			
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment	ents		12.000	Ap	Uti oproad Last 9 9	ch Road Now 9 9	Gas Municip Probler	at) Dal m (Y/N) ankment ation of	No	ion			
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (ents		12.000	Ap	Uti Dproad Last 9 9 9	Ilities (L Ch Roac Now 9 9 9 6	Gas Municiț Probler Explan	at) Dal m (Y/N) ankment ation of	No	ion			
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (ents	1.2)	4.0	A;	Uti oproad Last 9 9	ch Road Now 9 9 9	ocated Gas Municip Probler	at) Dal m (Y/N) ankment ation of	No	ion			
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (ents	1.2)	12.000 4.0	Ap	Uti Dproac Last 9 9 9	Lities (L Now 9 9 9	Gas Municip Probler I / Emba	at) Dal m (Y/N) ankment ation of	No	ion			
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Align Vertical Align Roadway Width Embankment Sideslope (ents	1.2)	12.000 4.0 No	A p	Uti oproad Last 9 9 9	liities (L ch Roac Now 9 9 9 9 9 1 6	ocated Gas Municiț Probler I / Emba Explan	at) Dal m (Y/N) ankment ation of	No	ion			
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Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (ents	1.2)	12.000 4.0 No nt General Rat	Ag	Uti Dproad Last 9 9 9 9	Lities (L Now 9 9 9 4 9	Gas Municip Probler I / Emba Explan	at) pal m (Y/N) ankment ation of	Condit	iion			
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Align Vertical Align Roadway Width Embankment Sideslope (ents	1.2) ankme	12.000 4.0 No nt General Rat	Ap	Uti oproac Last 9 9 9 6 6	Lities (L Now 9 9 9 6 1 6	Gas Municip Probler L/Emba Explan	at) bal m (Y/N) ankment ation of back ation of	Condit	ion			
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (ents	1.2) ankme	12.000 4.0 No nt General Rat	Ag ing	Uti Dproat Last 9 9 9 9 6 6 9 2 9 2 9 2 9 2 2 2 2 2 2 2	Ilities (L Now 9 9 9 4 9 9 9 9 4 9 9 9 9 9 9 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0	am End	at) pal m (Y/N) ankment ation of ation of	Condit	ion			
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Align Vertical Align Roadway Width Embankment Sideslope (ents	1.2) ankme	4.0 4.0 No nt General Rat	ing	Uti pproace Last 9 9 6 6 9 9 4 9 9 9 1 4 5 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1	Lities (L Now 9 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	am End (NORT	at) pal m (Y/N) ankment ation of H CULVE	Condit Condit	ion			
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Align Vertical Align Roadway Width Embankment Sideslope (ents	1.2) bankme	12.000 4.0 No nt General Rat ary Span) ≥I, STEEL	ing	Uti pproad Last 9 9 6 6 9 2 9 Last W	Lities (L Now 9 9 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	am End Explan (NORT	at) pal m (Y/N) ankment ation of the second sec	Condit Condit	ion			
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Align Vertical Align Roadway Width Embankment Sideslope (ents	1.2) ankme :: Prima	4.0 4.0 No nt General Rat	ing	Uti 9 9 9 6 6 9 9 9 8 9 9 9 9 9 8 4 4 4 4 4 4 4 4 4 4	Ilities (L Now 9 9 9 0 1 6 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	am End Explan (NORT	at) pal m (Y/N) ankment ation of H CULVE	Condit Condit	ion			

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)		_	1
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	X	
Bevel End	1	N	3	Unsupported for approx. 2m. photo
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			_
Above/Below (mm)	300			
Scour Protection		N	3	Scour along sides of bevel. Bevel unsupported for approx. 2m
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		N	3	Scour along S. side of bevel. Bevel unsupported for approx. 2 m photo
Beavers (Y/N)	No			
Upstream End General Rating		4	3	
		Brid	dae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1. Primary Span. Loca	tion Code: MAIN. S	pan (mm):	. Rise (mm): 2400. Type: MP)
Barrel Last Accessible Date	20-Mar-2012		,	
Special Features	1			
Special Feature				
(Туре :)				
Special Feature				
(Туре :)				
Roof		9	7	est. due to ice.
Measured Rise (mm)	2362			@ c/l
Measured At Ring No.				
Sag (mm)	38			
Percent Sag	2			
Sidewall		9	7	
Measured Span (mm)	2422			
Measured At Ring No.				
Deflection (mm)	22			
Percent Deflection	1			
Floor		7	7	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	AT 3RD SEAM FROM U/S - GAP OF 25MM IN VERTICAL
Separation (mm)	15			DIRECTION AT 11 OCLOCK -FACING U/S
Longitudinal Seams		X	X	
Total No. of Cracked Rings				1
Total No. of Rings with Two				1
Min. Remaining Steel				-
Between Cracks (mm)				-
Proper Lap (Y/N)				-
Longitudinal Stagger (Y/N)				

Bridge Inspection & Maintenance System (Web 2005)

Cuiver ComponentLatsNoviExplanation of ConditionConvergenceFish Passage AdequacyVYYTConvergenceConvergenceTYYTConvergenceStilling (YN)NoConvergenceConvergenceConvergenceStilling (YN)NoConvergenceConvergenceConvergenceStilling (YN)NoConvergenceConvergenceConvergenceConvergenceConvergenceStilling (YN)NoConvergenceConvergenceStilling (YN)NoConvergenceConvergenceConvergenceStilling (YN)NoConvergenceConvergenceConvergenceStilling (YN)NoConvergenceConvergenceConvergenceStilling (YN)NoConvergenceConvergenceConvergenceStilling (YN)NoConvergenceConvergenceConvergenceStilling (YN)Stilling (YN)Con			Bric	Bridge Culvert Barrel							
(Pipe if 1, Primary Span, Location Code: MAIN, Span (may: 200, Type: MP)Rise (mm): 2400, Type: MP)Corrosion By Soli (YM)NoImage and the span of the	Culvert Component		Last	Now	Explanation of Condition						
Coaling Correation PS Water (YN)NoIIMoIMoIMoIMoIMoIMoIMoIMoIMoIMoII <td>(Pipe # : 1, Primary Span, Locat</td> <td>tion Code: MAIN, Spa</td> <td>n (mm</td> <td>):</td> <td>, Rise (mm): 2400, Type: MP)</td>	(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2400, Type: MP)						
Corresion By Self (YM)NoImage: Self (YM)NoImage: Self (YM)NoCamber POS/SERONGEGZEROZEROImage: Self (YM)NoBaffleSelf (YM)NoXXBaffleXXXType :)XXXSiling (YM)NoXXSiling (YM)Siling (YM)XXSiling (YM)Siling (YM)XXSiling (YM)Siling (YM)XXSiling (YM)Siling (YM)XXSiling (YM)Siling (YM)XXSiling (YM)Siling (YM)XXSiling (YM)Siling (YM)Siling (YM)Si	Coating		6	6	Minor superficial rust on floor.						
Consign By Water (YR) Camber POS/ZERONEQVesImage: Camber POS/ZERONEQVesImage: Camber POS/ZERONEQVesImage: Camber POS/ZERONEQVesImage: Camber POS/ZERONEQVesImage: Camber POS/ZERONEQVesImage: Camber POS/ZERONEQImage: Camber POS/ZERONEQI	Corrosion By Soil (Y/N)	No									
Camber POS/ZERQ/NEGZERQIIIPonding (V/N)No77Fish Passage AdquacyXXXType : JXXXChype : JYYYVaterway AdquacyNoXXSilling (V/N)NoXXOnt (Y/N)NoXXBarrel General RatingNoXXConterry (Y/N)NoNoXBarrel General RatingNoXXConterry (Y/N)NoNoXXConterry (Y/N)NoNoXXBarrel General RatingNoXXConterry (Y/N)NoNoXXConterry (Y/N)NoNoXXConterry (Y/N)NoNoXXConterry (Y/N)NoNoXXConterry (Y/N)NoNoXXConterry (Y/N)NoXXXConterry (Y/N)NoXXXConterry (Y/N)NoXXXConterry (Y/N)NoXXXConterry (Y/N)NoXXXConterry (Y/N)NoXXXConterry (Y/N)NoXXXConterry (Y/N)NoXXXConterry (Y/N)NoXXXConterry (Y/N)NoXXX	Corrosion By Water (Y/N)	Yes									
Ponding (V/N) No Image: Polarization of the second secon	Camber POS/ZERO/NEG	ZERO									
Fish Passage Adequacy777BatfleXXX(Type :)XXXWaterway AdequacyTTTIcing (Y/N)NoNoBarrel General RatingNoExplanation of ConditionBarrel General Rating87Culvert ComponentEExplanation of Condition(Pipe #: 1, Span Type: Primary SpanEDirectionEECollarXXCollarXXCollarXXMingvallsXXCollarXXBavel EldEStelled on floor & overgrownHeaving (mm)0VNoNoNoAboveRelow (mm)20Silled on floor & overgrown(Type : RIP RAP)NN(Type: RIP RAP)NN(Type: RIP RAP)NNColumNoNoColumLastNRowsene End General RatingNNoNoNoAboveRelow (mm)20Could CorponentLast(Type : RIP RAP)N(Type : RIP RAP)N(Ming Corponent (Concrete, Steel, STEEL)NNoNoDownstream End General RatingNNoNoCulvert ComponentLast(Pipe # : 1, Span Type: Steel)StelledCulvert ComponentLastCulvert ComponentLastCulvert Componen	Ponding (Y/N)	No									
BaffleXXX(Type :)VXXVaterway AdequacyNoVUsing (Y/N)NoVBarrel General Rating87Barrel General Rating87Cuivert ComponentLast NowExplanation of Condition(Pipe #: 1, Span Type: Primary Span)E(NORTH CULVERT)DirectionSTEELXXCollarXXVingwallsXXCollarXXVingwallsXXSour ProtectionBELOWXAbove/Below Stream BedBELOWAbove/Below Stream BedBELOWAbove/Below Stream BedBELOWCityer ConsoneNNNSour ProtectionNCityer ComponentCast Now CoveredBever EndSnow coveredGasers (Y/N)NoNNSour/ErosionNNNCuivert ComponentCast NowCuivert ComponentCast NowCuivert ComponentStreetDevel EndStreetBeavers (Y/N)NoNoNSour/ErosionNNNCuivert ComponentCast NowCuivert ComponentCast NowCuivert ComponentStreetCuivert ComponentStreetCuivert ComponentCast NowCuivert ComponentCast NowCuivert ComponentCast NowCu	Fish Passage Adequacy	<u></u>	7	7							
Type :) Image 2000 <td>Baffle</td> <td></td> <td>Х</td> <td>Х</td> <td></td>	Baffle		Х	Х							
Waterway Adequacy77777Iring (YN)No7777Barrel General RatingNo87Barrel General Rating87Culvert ComponentLast NowEuropean EndCulvert ComponentLast NowEuropean End EndColspan="2">Culvert ComponentCulvert Source Colspan="2">Culvert ComponentCulvert ComponentCulver	(Type:)										
$ \begin{array}{ c $	Waterway Adequacy		7	7							
Siling (YN) Drift (YN)NoIBarel General RatingNoIBarel General RatingNoIBarel General RatingNoIUnclose General RatingNoExplanation of Condition(NORTH CULVERT)Outvert ComponentLatsNo(NORTH CULVERT)Outvert ComponentSTEELI(NORTH CULVERT)Outvert Concrete, Steel,STEELXXXXXCollarXXSecond Steam BedSteelXSecond Steam BedSteelXNon SteelNoSecond Steam BedNoSecond Steam BedNoSecond Steam BedNNSecond Steam BedNNSecond Steam BedNNSecond Steam BedNNSecond Steam BedNNSecond Steam BedNNSecond Steam BedSecond Steam BedSecond Steam BedNNSecond Steam BedNNSecond Steam BedSecond Steam Bed <th <="" colspan="2" td=""><td>Icing (Y/N)</td><td>No</td><td></td><td></td><td></td></th>	<td>Icing (Y/N)</td> <td>No</td> <td></td> <td></td> <td></td>		Icing (Y/N)	No							
Drift (V/N)NoNoBarrel General RatingNoImage: Contract of ConditionBarrel General RatingResidual NowExplanation of ConditionCulvert ComponentLastNoExplanation of Condition(Pipe #: 1, Span Type: Primary Span)E(NORTH CULVERT)DirectionSTEELXXHeadwallXXXCollarXXXWingwallsXXX(Shape :)XXXBevel End87Bevel Siled on floor & overgrown with grass.Invert Above/Below Stream Bed BELOWBELOWNoAbove/Below (mm) (Type : RIP RAP) (Type : RIP RAP) (Type: RIP RAP) (Aug. Rock Size(mm) : 250)NoNoBeavers (Y/N)NoNoNoNoBeavers (Y/N)NoNoSnow coveredCulvert ComponentLastNoSnow coveredCulvert Component End General RatingNoNoPricetion End Treatment (Concreto, Steel, STEELWith grass.Direction (Pipe #: 2, Span Type: Second Withm)NoExplanation of ConditionPriceter (Culvert Component End General RatingNoNoCulvert ComponentLastWithConcreto, Steel, STEELDirection (Pipe #: 2, Span Type: Second Withman, Concreto, Steel, STEELWithman, Concreto, Steel, STEELDirection (Culvert S)Mi	Silting (Y/N)	No									
Barrel General RatingNoR7Downstream EndCulvert ComponentLastNowExplanation of ConditionPirectionE(NORTH CULVERT)Offers, Sone)PirectionCollarXXCollarXXCollarCollarXXCollarXXColspan="4">Severi structureColspan="4">Colsp	Drift (Y/N)	No									
Culvert ComponentDownstream EndCulvert ComponentLast Now Explanation of Condition(Pipe # : 1, Span Type: Primary SpanDirectionE span Type: Primary SpanDirection (Concrete, Steel, STEEL(NORTH CULVERT)End Treatment (Concrete, Steel, STEELXXCollarXXReadwallXXCollarXXKXXState XCollarXXXXXXXXXXXCollarXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Barrel General Rating		8	7							
Culvert ComponentImage: Second S			D	ownstr	ream End						
(Pipe # : 1, Span Type: Primary Span)E(NORTH CULVERT)Interview (Concrete, Steel, StEELI(NORTH CULVERT)Colspan="2">(NORTH CULVERT)HeadwallI(NORTH CULVERT)Colspan="2">(Interview (Concrete, Steel,	Culvert Component		Last	Now	Explanation of Condition						
DirectionEFKKORTH CULVERT)End Treatment (Concrete, Steller)STEELXXHeadwallXXHeadwallXXCollarXXXKingwallsXX(Shape :)XXCutoff WallXXBevel EndXXHeaving (nm)0XXBevel EndELOWXXScour ProtectionNXNScour ProtectionNNCytope Ripe RAP(Y)NNGourde Science Nice Sci	(Pipe # : 1, Span Type: Primary	v Span)									
End Treatment (Concrete, Steel, STEEL STEEL I Others, None) STEEL X X Headwall X X X Collar X X X Others, None) X X X Collar X X X Others, None) X X X Others, None) X X X Collar X X X Stape :) X X X Cutoff Wall V X X Bevel End S 7 Sevel sited on floor & overgrown with grass. Invert Above/Below Stream Bed BELOW V With grass. Above/Below (mm) 200 V With grass. Scour/ Protection N N N Type : RIP RAP) V N Snow covered. Cype : RIP RAP V N Snow covered. Scour/Erosion No N Snow covered. Beavers (Y/N) No Snow covered. Cutoer Component No Snow covered. Cutoer Component No Explanation of Condition (Pipe # : 2, Span Type: Seconder Steel Now Explanati	Direction		E		(NORTH CULVERT)						
HeadwallXXXCollarXXWingwallsXX(Shape :)XXCutoff WallXXBevel EndXXHeaving (mm)0X0XYHeaving (mm)0X1000000000000000000000000000000000000	End Treatment (Concrete, Steel, Others, None)	STEEL									
CollarXXXWingwalls (Shape:)XXShape:)XXCutoff WallXXBevel End0XHeaving (mm)0V00VAbove/Below Stream BedBELOWBevel silted on floor & overgrown with grass.Nover/Below Stream BedBELOWNovergrownScour Protection0VKyg. Rck Size(mm): 250NovergrownKour/ErosionNoNoScour/ErosionNoNovergrownBeavers (Y/N)NoNoBeavers (Y/N)NoNoScour/ErosionNoNovergrownCutver ComponentNoNovergrownCutver ComponentNovergrownCutver ConsonSteELYDirectionNovergrownFigh TraditionNovergrownCutver ConsonSteELDirectionNovergrownFigh TraditionVCutver ConsonSteELDirectionSteELCutver ConsonSteELEnd Treatment (Concrete, Steel, SteelCutver Cutverts, None)SteELCutver Cutverts, NoneSteELCutver Cutverts, NoneSteELCutver Cutverts, NoneSteELCutver Cutverts, NoneSteELCutver Cutverts, NoneSteELCutver Cutverts, NoneXCutver Cutverts, NoneXCutver Cutverts, NoneXCutver Cutverts, NoneXCut	Headwall		Х	Х							
WingwallsXXX(Shape :)XXCutoff WallVXXBevel End0XXHeaving (mm)0CWith grass.Invert Above/Below Stream BedBELOWAVAbove/Below (mm)20CYScour ProtectionNNN(Type : RIP RAP) (Aye, Rock Size(mm) : 250)NNSnow covered.Scour/FrosionNNSnow covered.Beavers (Y/N)NoNSnow covered.Downstream End General RaticTTCutvert ComponentItalsNowExplanation of Condition(Pipe # : 2, Span Type: Seconder Stream)STEELNKEnd Treatment (Concrete, Steel, Chthers, None)STEELXXGolarXXXColarXXX	Collar		Х	Х							
(Shape :)Cutoff WallXXBevel End87Heaving (mm)07Meating (mm)0120017Above/Below Stream BedBELOW1Above/Below (mm)2001Scour ProtectionNN(Ayg. Rock Size(mm) : 250)NNScour/ErosionNNScour/ErosionNNBeavers (Y/N)NoSnow covered.Beavers (Y/N)NoTCutvert ComponentTTCutvert ComponentNNEvert Stream End General RatureTTDirectionSTEELNFind Treatment (Concrete, Steel, None)STEELEnd Treatment (Concrete, Steel, None)XKadwallXCollarXXXXX	Wingwalls		Х	Х							
Cutoff Wall X X X Bevel End 8 7 Bevel siled on floor & overgrown with grass. Heaving (mm) 0 Immediate Second Stream Bed BELOW Invert Above/Below Stream Bed BELOW Immediate Second Secon	(Shape :)										
Bevel End $\best{Normality}$ $\best{Normality}$ Bevel sited on floor & overgrown with grass.Heaving (mm)0 $\best{Normality}$ $\best{Normality}$ $\best{Normality}$ Invert Above/Below Stream BedBELOW $\best{Normality}$ $\best{Normality}$ Above/Below (mm)200 $\best{Normality}$ $\best{Normality}$ Scour ProtectionNN $\best{Normality}$ (Type : RIP RAP) $\best{Normality}$ $\best{Normality}$ $\best{Normality}$ (Avg. Rock Size(mm) : 250) $\best{Normality}$ $\best{Normality}$ $\best{Normality}$ Scour/Erosion $\best{Normality}$ $\best{Normality}$ $\best{Normality}$ Beavers (Y/N) $\best{Normality}$ $\best{Normality}$ $\best{Normality}$ Downstream End General Rature $\best{Normality}$ $\best{Normality}$ $\best{Normality}$ Culvert Component $\best{Normality}$ $\best{Normality}$ $\best{Normality}$ (Pipe # : 2, Span Type: Secont $\best{Normality}$ $\best{Normality}$ $\best{Normality}$ Information (Concrete, Steel, Ordered, Orde	Cutoff Wall		X	X							
Heaving (mm)0IVith grass.Invert Above/Below Stream BedBELOWIIAbove/Below (mm)200IIScour ProtectionNNN(Type : RIP RAP) (Avg. Rock Size(mm) : 250)NNSnow covered.Scour/ErosionNoNNBeavers (Y/N)NoNSnow covered.Downstream End General RatingTTTCulvert ComponentLastNowExation of Condition(Pipe # : 2, Span Type: SecondryWICenter Culverts)DirectionMIIEnd Treat (Concrete, Steel, Steel, Steel, None)STEELIHeadwallXXXCollarXXX	Bevel End		8	7	Bevel silted on floor & overgrown						
Invert Above/Below Stream BedBELOWIAbove/Below (mm)200IScour ProtectionNN(Type : RIP RAP) (Avg. Rock Size(mm) : 250)NNScour/ErosionNNScour/ErosionNoNBeavers (Y/N)NoNDownstream End General RatizeTTCulvert ComponentIN(Pipe # : 2, Span Type: SeconstreamVStalanation of ConditionDirectionWVEnd Treatment (Concrete, Steel, None)STEELXKXXCollarXX	Heaving (mm)	0			with grass.						
Above/Below (mm)200IScour ProtectionNNN(Type : RIP RAP) (Avg. Rock Size(mm) : 250) N NScour/ErosionNNNBeavers (Y/N)No N N Downstream End General RatiusTTTTTCulvert ComponentLastNowPrice Torreation N N DirectionN N Direction N N Direction N N DirectionSTEEL V End Treatment (Concrete, Steel, STEEL X Headwall X X Collar X X	Invert Above/Below Stream Bed	BELOW									
Scour ProtectionNNNSnow covered.(Type : RIP RAP) (Avg. Rock Size(mm) : 250) N NNoScour/ErosionNNSnow covered.Beavers (Y/N)No N NSnow covered.Downstream End General Rature7777Culvert ComponentLastNoExplanation of Condition(Pipe # : 2, Span Type: SecondaryVExplanation of ConditionDirectionWVFeptanation of ConditionDirectionVVCenter Culverts)End Treatment (Concrete, Steel, Others, None)STEELXXKadaliXXStepse Culverts)	Above/Below (mm)	200									
$ \begin{split} & (\text{Type : } \textbf{RIP RAP}) \\ & (\text{Avg. Rock Size(mm) : } \textbf{250}) \\ & \text{Scour/Erosion} \\ & \text{Scour/Erosion} \\ & \text{No} \\ & \text{No} \\ & \text{No} \\ & \text{No} \\ & \text{Downstream End General Rative } \\ & \textbf{No} \\ & N$	Scour Protection		N	N	Snow covered.						
(Avg. Rock Size(mm) : 250)Scour/ErosionNNNSnow coveredBeavers (Y/N)No I T T T Downstream End General Ratiry T T T T Culvert ComponentLastNowExplanation of Condition(Pipe # : 2, Span Type: Secondry Span)WExplanation of ConditionDirectionW I I End Treatment (Concrete, Steel, StEELSTEEL I X Headwall X X X Collar X X X	(Type : RIP RAP)										
Scour/ErosionNNNSnow coveredBeavers (Y/N)No $I = J$ FFDownstream End General Ratire777Culvert ComponentLastNowExplanation of ConditionCulvert ComponentLastNowExplanation of Condition(Pipe # : 2, Span Type: Secondary Span)WCenter Culverts)DirectionWVFEnd Treatment (Concrete, Steel, Steel, Others, None)STEELIHeadwallXXXCollarXXX	(Avg. Rock Size(mm) : 250)										
Beavers (Y/N)NoI \overline{I} IDownstream End General RationTTTTCulvert ComponentLastNowExplanation of Condition(Pipe # : 2, Span Type: Secondary Span)WExplanation of ConditionDirectionWVFormer Culverts)DirectionSTEELVCenter Culverts)End Treatment (Concrete, Steel, STEELXXXHeadwallXXXCollarXXX	Scour/Erosion		N	N	Snow covered						
Downstream End General Rating777For a state of the state of th	Beavers (Y/N)	No									
Upstream EndCulvert ComponentLastNowExplanation of Condition(Pipe # : 2, Span Type: Secondary Span) W V V DirectionW V (Center Culverts)End Treatment (Concrete, Steel, STEELSTEEL V V Headwall X X X CollarX X X	Downstream End General Ratir	ng	7	7							
Culvert ComponentLastNowExplanation of Condition(Pipe # : 2, Span Type: Secondary Span)W(Center Culverts)DirectionW(Center Culverts)End Treatment (Concrete, Steel, STEELV(Center Culverts)HeadwallXXCollarXX				Up <u>stre</u>	am End						
$\begin{array}{ c c c } (Pipe \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	Culvert Component		Last	Now	Explanation of Condition						
Direction W (Center Culverts) End Treatment (Concrete, Steel, STEEL X X Headwall X X Collar X X	(Pipe # : 2, Span Type: Second	ary Span)									
End Treatment (Concrete, Steel, STEEL STEEL Headwall X X Collar X X	Direction		W		(Center Culverts)						
HeadwallXXCollarXX	End Treatment (Concrete, Steel, Others, None)	STEEL									
Collar X X	Headwall		X	X							
	Collar		Х	X							

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)		_	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		N	3	Scour along sides of bevelphoto
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		N	3	Scour along side of bevelphoto
Beavers (Y/N)	No			
Upstream End General Rating	1	4	3	
		Brid	d <u>ge Cu</u>	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN	I, Span (r	nm):	, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	20-Mar-2012			
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Туре :)				
Roof		8	7	
Measured Rise (mm)	2390			est. due to ice.
Measured At Ring No.				
Sag (mm)	10			
Percent Sag	1			
Sidewall		9	7	
Measured Span (mm)	2366			
Measured At Ring No.				
Deflection (mm)	34			Inward deflection
Percent Deflection	1			
Floor		7	N	Ice covered
Bulge (mm)	0			1
Measured At Ring No.				1
Abrasion (Y/N)	No			1
Circumferential Seams		7	7	
Separation (mm)	15			1
Longitudinal Seams		X	Х	
Total No. of Cracked Rings				1
Total No. of Rings with Two Cracked Seams				1
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				1
Longitudinal Stagger (Y/N)				1

Bridge Inspection & Maintenance System (Web 2005)

82142 -1 Bridge Culvert

		Bric	lge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (n	nm):	, Rise (mm): 2400, Type: MP)
Coating		4	4	Some pitting rust on floor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type :)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		8	7	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2. Span Type: Second	arv Span)			
Direction		F		(Center culvert)
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		х	Х	
(Shape :)				
Cutoff Wall		Х	X	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	0			
Scour Protection		N	N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		N	N	Snow covered
Beavers (Y/N)	No			
Downstream End General Ratir	ng	7	8	
			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Second	ary Span)			
Direction		W		South culvert.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	

			Upstrea	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Second	lary Span)			
Wingwalls		Х	Х	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection	•	N	3	Scour along sides of bevelphoto
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		N	3	Scour along sides of bevelphoto
Beavers (Y/N)	No			
Upstream End General Rating	1	5	3	
		Brid	d <u>ge Cu</u>	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	09-Jan-2009			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type :)				
Roof		8	7	est. due to ice and silt.
Measured Rise (mm)	2390			
Measured At Ring No.				
Sag (mm)	10			
Percent Sag	1			
Sidewall		9	7	
Measured Span (mm)	2381			
Measured At Ring No.				
Deflection (mm)				Inward deflection
Percent Deflection				
Floor		7	N	Silt/ice covered.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	15			
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)				

Bridge Inspection & Maintenance System (Web 2005)

82142 -1 Bridge Culvert

		Brid	lge Cu	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 2400, Type: MP)
Coating		4	4	Pitting rust on floor
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	X	
(Туре :)		1	1	
Waterway Adequacy		7	7	-
Icing (Y/N)	No			-
Silting (Y/N)	No			-
Drift (Y/N)	No			
Barrel General Rating		8	7	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Second	lary Span)			
Direction		Е		South culvert.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	Х	
Collar		Х	X	
Wingwalls		Х	Х	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		N	N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		N	N	Snow covered.
Beavers (Y/N)	No			
Downstream End General Rating		7	7	GR carried forward.
		s	structu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	
Bank Stability		8	8	Stable
HWM (m below Top of Culvert)				HWM NOT VISIBLE
Drift (Y/N)	No			

Structure Usage									
		Last	Now	Explanation of Condition					
Channel Bottom Degrading/Aggrading									
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		6	8						

				Maintenance R	ecommend	lations						
Inspector Recommendations	Yea	ar I	Inspector	Comments		Department Con	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP	201	12 F	Place 40r	m3 class 1 riprap on u/s ei	nd.							
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	DFF											
REPAIR SEAMS												
OTHER ACTION	201	12 F	Repair ur	ndermined bevel.								
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	ow) 88.	9/77.8	77.8 Sufficiency Rating (%)		/Now)	ow) 79.1/74.4		st. Repl. Yr 2046		Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection						Department Comments						
Maintenance Reviewed By						Date			E	stimated Total	0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	Brian Pient	tsch			Previous	Assistant's Name		Tim Miskiman				
Next Inspection Date	20-Jun-201	15			Previous	Inspection Date		09-Jan-2009				
Inspection Cycle (Default) (months)	39											
Comment												