MAIN   5766   4013   RPE   40.2   152X51   4.0   ELLIPSE		Duide	ro Cuby	art Inan	ation										
Year Built	Pridge File Num	hor	72115	1 Pridge Culve	rt	Briag	je Culve	1			CUI 1				
Bridge or Town Name   ARDMORE   Inspector Name   Todd Warshawski		ibei		T Bridge Cuive				• •							
Located Ower															
Located On							т	1				VSKI			
Assistant Class   Assistant Class   Inspection Date   15-Dec-2011					WATERO	·K3-3	1	· ·			BR CLS B				
Navigabil. Cl./Year   Legal Land Location   NW SEC 36 TWP 61 RGE 4 W4M   Data Entry Bate   15-Dec-2011		Voor	092.02	C1 5.674						!					
Legal Land Location											15 Dog 2011				
Longitude, Latitude			NIM SE	C 26 TMD 61 F		N /									
Road Authority					KGE 4 W4	·IVI									
Clear Roadway/Skew   10.4 /		uue			/ <b>/ IT</b> \										
Clear Roadway/Skew		۸ <b>r</b> oo		•	(AII)										
AADT/Year   590 / 2010 (A)   COUPTS   COUPTS   Follow-Up By   COUPTS   Follow-Up By   COUPTS   Follow-Up By				<u> </u>						Nama					
Road Classification   RCU-210-110   5   5   5   5   5   5   5   5   5		Skew		210 (4)											
Detour Length (km)   5										ale	05-Jan-2012				
Special Features								- Follow-	ор Бу						
Number of Cutverts   1			-												
Pipe #   Barrel	_		ation	1											
MAIN   5766   4013   RPE   40.2   152X51   4.0   ELLIPSE					Rise (or	Dia.)	Туре		Length		Corr. Profile		Shape		
Special Features Special Features Comment  Utility Attachments Telephone West r/w. Power 3 lines East r/w. Others Remarks BF tag installed on top of West headwall.  Approach Road / Embankment Last Now Explanation of Condition  Horizontal Alignment 8 8 8 Field entrance to South.  Vertical Alignment 8 8 8 Field entrance to South.  Roadway Width (m) 10.400 2 wide transverse ACP cracks over pipe.  Embankment 8 8 8 Sideslope (_:1) 3.0 (Height of Cover(m): 2.5)  Guardrail (Y/N) Yes  Approach Road / Embankment South.  Field entrance to South.  50 m of guardrail on each side of road with turned down ends. 3 split posts in West guardrail - photo.  2 wide transverse ACP cracks over pipe.  Upstream End  Culvert Component Last Now Explanation of Condition  Culvert Component Now Explanation of Condition  Field on Cover(m): 2.5)  Guardrail (Y/N) Yes  Approach Road / Embankment General Rating 8 8  8 8  Culvert Component Last Now Explanation of Condition  Culvert Component Now Explanation of Condition	1	MAIN		5766	4013		RPE		40.2		152X51		ELLIPSE		
Utility Attachments	Special Feature														
Utility Attachments			ment												
Utility Attachments	1														
Telephone						Ut	ilities (L	ocated	at)						
Now   Power   3   lines East r/w.   Municipal   Problem (Y/N)   No	·							1							
Now	Telephone														
Remarks BF tag installed on top of West headwall.    Approach Road / Embankment		3 lines	s East r/v	w.							No				
Approach Road / Embankment								Proble	m (Y/N)	No					
Horizontal Alignment	Remarks	BF tag	g installe	ed on top of We											
Horizontal Alignment  Vertical Alignment  Vertical Alignment  Roadway Width (m)  10.400  10.400  2 wide transverse ACP cracks over pipe.  Embankment  Sideslope (_:1) 3.0 (Height of Cover(m) : 2.5)  Guardrail (Y/N)  Yes  Approach Road / Embankment General Rating  Now  End Treatment (Concrete, Steel, Others, None)  Headwall  Collar  8 8 8 Field entrance to South.  50 m of guardrail on each side of road with turned down ends. 3 split posts in West guardrail - photo.  2 wide transverse ACP cracks over pipe.  Embankment  Sideslope (_:1) 3.0  (Height of Cover(m) : 2.5)  Ves  Embankment General Rating  8 8 8  Epiland Transverse ACP cracks over pipe.  Explanation of Condition  Explanation of Condition  Explanation of Condition  Collar  8 6 Several wide cracks  Wingwalls					Ap										
Vertical Alignment  8 8 8 50 m of guardrail on each side of road with turned down ends. 3 split posts in West guardrail - photo.  2 wide transverse ACP cracks over pipe.  Embankment  8 8 8 Sideslope (_:1) 3.0 (Height of Cover(m) : 2.5)  Guardrail (Y/N)  Yes  Approach Road / Embankment General Rating  8 8   Upstream End  Culvert Component  Last Now Explanation of Condition  Direction  W  End Treatment (Concrete, Steel, Others, None)  Headwall  8 7  Collar  8 6 Several wide cracks  Wingwalls	Llawina natal Aliana														
50 m of guardrail on each side of road with turned down ends. 3 split posts in West guardrail - photo.   Roadway Width (m)								Field e	ntrance	o Souli	1.				
Roadway Width (m)  10.400  2 wide transverse ACP cracks over pipe.  Embankment  Sideslope (:1)  (Height of Cover(m): 2.5)  Guardrail (Y/N)  Yes  Approach Road / Embankment General Rating  Upstream End  Culvert Component  Last Now  Explanation of Condition  Direction  W  End Treatment (Concrete, Steel, Others, None)  Headwall  8 6 Several wide cracks  Wingwalls  X X   Vide transverse ACP cracks over pipe.  2 wide transverse ACP cracks over pipe.	vertical Alignme	anı				0	0	50 m o	f guardra	il on or	ach side of road	with turned de	wn ands 2 split		
Embankment								posts i	n West gi	uardrai	l - photo.	with turned do	wii erias. 5 spiit		
Sideslope (_:1)   3.0															
(Height of Cover(m) : 2.5)  Guardrail (Y/N)  Approach Road / Embankment General Rating  B  Upstream End  Culvert Component  Last Now Explanation of Condition  Direction  W  End Treatment (Concrete, Steel, Others, None)  Headwall  B  Collar  B  Collar  B  Collar  B  Collar  B  Collar  C	Embankment					8	8								
(Height of Cover(m) : 2.5)  Guardrail (Y/N)  Approach Road / Embankment General Rating  B  Upstream End  Culvert Component  Last Now Explanation of Condition  Direction  W  End Treatment (Concrete, Steel, Others, None)  Headwall  B  Collar  B  Collar  B  Collar  B  Collar  B  Collar  C	Sideslope (_							1							
Guardrail (Y/N)  Approach Road / Embankment General Rating  B  Upstream End  Culvert Component  Last Now Explanation of Condition  Direction  W  End Treatment (Concrete, Steel, Others, None)  Headwall  8 7  Collar  8 6 Several wide cracks  Wingwalls  X X		•	2.5)					1							
Culvert Component Last Now Explanation of Condition  Direction W  End Treatment (Concrete, Steel, CONCRETE Others, None)  Headwall 8 7  Collar 8 6 Several wide cracks  Wingwalls X X	` •	. ,	•	Yes											
Culvert Component         Last         Now         Explanation of Condition           Direction         W           End Treatment (Concrete, Steel, Others, None)         CONCRETE           Headwall         8         7           Collar         8         6         Several wide cracks           Wingwalls         X         X	Approach Road	d / Eml	oankme	nt General Rat	ing	8	8								
Culvert Component         Last         Now         Explanation of Condition           Direction         W           End Treatment (Concrete, Steel, Others, None)         CONCRETE           Headwall         8         7           Collar         8         6         Several wide cracks           Wingwalls         X         X							Upstre	am End							
Direction W End Treatment (Concrete, Steel, CONCRETE Others, None) Headwall 8 7 Collar 8 6 Several wide cracks Wingwalls X X	Culvert Compo	nent				Last				Condi	tion				
End Treatment (Concrete, Steel, CONCRETE Others, None)  Headwall  Collar  8 6 Several wide cracks  Wingwalls  X X	Direction														
Collar 8 6 Several wide cracks Wingwalls X X	End Treatment Others, None)	(Concre	ete, Stee	el, CONCRETE											
Wingwalls X X	Headwall					8	7								
	Collar					8	6	Severa	l wide cra	acks					
(Shape: )	Wingwalls					Х	Х								
	(Shape: )														

73115 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		N	N	
Bevel End		8	7	
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		4	5	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		4	5	
Beavers (Y/N)	No			
Upstream End General Rating		4	5	
		Brid	dae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN. Spa			·
Barrel Last Accessible Date	15-Dec-2011		,	,,,
Barror East / tooccolbie Bate	10 000 2011			
Special Features				
Special Feature				
(Type:)			1	
Special Feature				
(Type:)				
Roof		3	2	Roof has reverse curve, ring 2-3, 8-9photo
Measured Rise (mm)				
Measured At Ring No.	2			
Sag (mm)	310			
Percent Sag	8			
Sidewall		5	5	R6-5878
Measured Span (mm)	5985			R8-5971
Measured At Ring No.	3			
Deflection (mm)	219			
Percent Deflection	4			
Floor		N	N	Under ice/water
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	6	Upper 1/2 rated.
Separation (mm)				
Longitudinal Seams		N	4	Roof seam appear stressed @ plate #2 where sagged.
Total No. of Cracked Rings 0				(1 seam on each side not staggered. @ 2 & 10 o'clock.
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		6	5	Minor superficial corrosion floor.
Corrosion By Soil (Y/N)				Corrosion of bolts at sagged roof seams.
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			

		Bric	lge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN,	Span (mm	): 5766	, Rise (mm): 4013, Type: RPE)
Ponding (Y/N)	Yes			Estimated 1.4mAug,2008
Fish Passage Adequacy		7	7	
Baffle		X	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		3	2	
		D	ownetr	ream End
Culvert Component		Last		Explanation of Condition
Direction	<u> </u>	E	INOW	Explanation of Condition
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		X	Х	
Wingwalls		X	Х	
(Shape: )				
Cutoff Wall		X	Х	
Bevel End		8	8	
Heaving (mm)	150			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		8	8	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	8	
		9	tructui	re Usage
		Last		Explanation of Condition
Channel (U/S and D/S)				
Alignment			8	
Bank Stability		8	8	
HWM (m below Top of Culvert)				HWM not visible
Drift (Y/N)	No			
Channel Bottom				
Degrading/Aggrading				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :				
(Figh Companyation Massure 2 .	NONE/			1

	S	tructur	re Usage
	Last	Now	Explanation of Condition
Channel General Rating	8	8	

				Maintenance Recommendations	commenda	ations					
Inspector Recommendations	>	Year	Inspector	Inspector Comments		Department Comments	nents	_	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING	(D										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF	OFF										
REPAIR SEAMS											
OTHER ACTION	2	2012	Intall strut	Intall struts (HSS tubing).							
OTHER ACTION	2	2012	Replace 3	Replace 3 split guardrail posts in West side.	st side.						
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		33.3/22.2		Sufficiency Rating (Last/Now) (%)		55.3/51.3	Est. Repl. Yr	2035	Maint. Reqd. (Y/N)		Yes
Special LRA issued 28-Dec-2011.(roof) Comments for Next Inspection	s-2011.(roc	of)				Department Comments					
Maintenance Reviewed By						Date		Es	Estimated Total	0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Dave Lam	£			Previous A	Previous Assistant's Name					
Next Inspection Date	15-Mar-2015	2015			Previous Ir	Previous Inspection Date	12-Aug-2008				
Inspection Cycle (Default) (months)	39										
Comment											

				Maintenance R	ecommend	dations						
Inspector Recommendations		Year	Inspecto	or Comments		Department Co	ommer	nts		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATIO	N											
INSTALL CONCRETE/STEEL LIN	ING											
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/C	UTOFF											
REPAIR SEAMS												
OTHER ACTION		2012	Intall str	uts (HSS tubing) .								
OTHER ACTION		2012	Replace	3 split guardrail posts in V	Vest side.							
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Las (%)	st/Now)	33.3/22	.2	Sufficiency Rating (Las	t/Now)	55.3/51.3	Es	t. Repl. Yr	2035	Maint. Re	eqd. (Y/N)	Yes
Special Comments for Next Inspection	Dec-2011.	(roof)				Department Comments	(May 2	29, 2012) Repl	acement	tentatively Sci	ned Yr 2022	2
Maintenance Reviewed By						Date			1	Estimated Tota	al O	
Proposed Long-Term Strategy									·			
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	Lam			Previous	evious Assistant's Name							
Next Inspection Date	15-Ma	ar-2015			Previous	s Inspection Date 12-Aug-2008						
Inspection Cycle (Default) (months	39											
Comment												