

Bridge Culvert Inspection				
Bridge File Number	09515 -1 Bridge Culvert		Form Type	CULE
Year Built	1954		Lot No.	2
Bridge or Town Name	CARSTAIRS		Inspector Name	Owen Salava
Located Over	CARSTAIRS CREEK, 3.33.21, WATERCRS-ST		Inspector Class	BR CLS A
Located On	2:20 L1 4.944;2:20 R1 4.944		Assistant Name	
Water Body Cl./Year			Assistant Class	
Navigabil. Cl./Year			Inspection Date	11-Mar-2013
Legal Land Location	SW SEC 36 TWP 29 RGE 1 W5M		Data Entry By	Marcia Chavez
Longitude, Latitude	-114:01:30, 51:31:09		Data Entry Date	26-Mar-2013
Road Authority	Alberta Transportation (AIT)		Reviewer Name	John O'Brien
Contract Main. Area	CMA29		Review Date	16-Mar-2013
Clear Roadway/Skew	37 /		Dept. Reviewer Name	Chris Black
AADT/Year	27,530 / 2011 (A)		Dept. Review Date	28-Mar-2013
Road Classification	RFD-412.4-130		Follow-Up By	
Detour Length (km)	1			

Bridge Culvert Information								
Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	U/S	-	2125	SP	46.9	152X51		ROUND
1	U/S	-	2120	SP	46.9	152X51		ROUND
1	U/S	-	2115	SP	46.9	152X51		ROUND
1	MAIN	5940	1980	BP	119.2			RECTANGLE
1	D/S	-	2750	SP	45.9	152X51		ROUND
1	D/S	-	2755	SP	43.4	152X51		ROUND
Special Features	BARREL ELBOW							
Special Features Comment								

Utilities (Located at)			
Utility Attachments			
Telephone	Both east, west ditches.	Gas	
Power	2 wire approx 200 m west.	Municipal	
Others	Fibre optics @ E side of W service road.	Problem (Y/N)	No
Remarks			

Approach Road / Embankment				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	N & S lanes Hwy 2 & E & N services rds, long sag curve with good sight distance.
Vertical Alignment		6	5	
Roadway Width (m)	37.000			
Embankment		5	5	
Sideslope ( __:1)	2.5			
(Height of Cover(m) : <b>9.5</b> )				
Guardrail (Y/N)	Yes			On service roads.
<b>Approach Road / Embankment General Rating</b>		<b>6</b>	<b>6</b>	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		W		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Collar		X	X	
Wingwalls		X	X	
(Shape : )				
Cutoff Wall		X	X	
Bevel End		7	7	Drift at inlet of centre pipe.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		7	N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		7	N	Snow covered.
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>		<b>7</b>	<b>7</b>	

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
<b>(Pipe # : 1, Primary Span, Location Code: U/S, Span (mm): , Rise (mm): 2125, Type: SP)</b>				
Barrel Last Accessible Date	11-Mar-2013			S u/s extension; design dia. 2120.
<b>Special Features</b>				
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof		7	7	Unable to measure due to ice.
Measured Rise (mm)	2130			
Measured At Ring No.	3			
Sag (mm)	10			(Upwards 0.5%. 26Oct2011).
Percent Sag	1			
Sidewall		7	7	
Measured Span (mm)	2170			
Measured At Ring No.	3			
Deflection (mm)	50			2.4%
Percent Deflection	2			
Floor		7	N	Ice
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
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				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			1N

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: U/S, Span (mm): , Rise (mm): 2125, Type: SP)				
Coating		7	7	Minor, (superficial corrosion to floor. 26Oct2011).
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		X	X	
(Type : )				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
<b>Barrel Extension General Rating</b>		<b>7</b>	<b>7</b>	

Bridge Culvert Barrel					
Culvert Component		Last	Now	Explanation of Condition	
(Pipe # : 1, Primary Span, Location Code: U/S, Span (mm): , Rise (mm): 2120, Type: SP)					
Barrel Last Accessible Date	11-Mar-2013			Middle u/s extension.	
<b>Special Features</b>					
Special Feature					
(Type : )					
Special Feature					
(Type : )					
Roof		7	7	Unable to measure due to ice.  (Upwards 1.4%. 26Oct2011).	
Measured Rise (mm)	2150				
Measured At Ring No.					
Sag (mm)	30				
Percent Sag	1				
Sidewall		7	7	1.4%	
Measured Span (mm)	2150				
Measured At Ring No.					
Deflection (mm)	30				
Percent Deflection	1				
Floor		7	N	Ice	
Bulge (mm)	0				
Measured At Ring No.					
Abrasion (Y/N)	No				
Circumferential Seams		7	7		
Separation (mm)	0				
Longitudinal Seams		7	7	1N	
Total No. of Cracked Rings	0				
Total No. of Rings with Two Cracked Seams					
Min. Remaining Steel Between Cracks (mm)					
Proper Lap (Y/N)	No				
Longitudinal Stagger (Y/N)	Yes				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: U/S, Span (mm): , Rise (mm): 2120, Type: SP)				
Coating		7	7	Minor, (superficial corrosion to floor. 26Oct2011).
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		X	X	
(Type : )				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
<b>Barrel Extension General Rating</b>		<b>7</b>	<b>7</b>	

Bridge Culvert Barrel					
Culvert Component		Last	Now	Explanation of Condition	
(Pipe # : 1, Primary Span, Location Code: U/S, Span (mm): , Rise (mm): 2115, Type: SP)					
Barrel Last Accessible Date	11-Mar-2013			N u/s extension; 2120 design dia.	
<b>Special Features</b>					
Special Feature					
(Type : )					
Special Feature					
(Type : )					
Roof		7	7	Unable to measure due to ice.  (Upwards 0.9%. 26Oct2011).	
Measured Rise (mm)	2138				
Measured At Ring No.	3				
Sag (mm)	18				
Percent Sag	1				
Sidewall		7	7	1.7%	
Measured Span (mm)	2155				
Measured At Ring No.	3				
Deflection (mm)	35				
Percent Deflection	2				
Floor		7	N	Ice	
Bulge (mm)	0				
Measured At Ring No.					
Abrasion (Y/N)	No				
Circumferential Seams		7	7		
Separation (mm)	0				
Longitudinal Seams		7	7	1N	
Total No. of Cracked Rings	0				
Total No. of Rings with Two Cracked Seams					
Min. Remaining Steel Between Cracks (mm)					
Proper Lap (Y/N)	No				
Longitudinal Stagger (Y/N)	Yes				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
<b>(Pipe # : 1, Primary Span, Location Code: U/S, Span (mm): , Rise (mm): 2115, Type: SP)</b>				
Coating		7	7	Minor, (superficial corrosion to floor. 26Oct2011).
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		X	X	
<b>(Type : )</b>				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
<b>Barrel Extension General Rating</b>		<b>7</b>	<b>7</b>	

Bridge Culvert Barrel					
Culvert Component		Last	Now	Explanation of Condition	
<b>(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1980, Rise (mm): 1980, Type: BP, Cell Sequence: 1)</b>					
Barrel Last Accessible Date	11-Mar-2013			S cell.	
<b>Special Features</b>					
Special Feature		7	7	All walls have 1-3mm wide cracks. Transition bevelled to extension culvert & cell.	
<b>(Type : BARREL ELBOW)</b>					
Special Feature					
<b>(Type : )</b>					
Roof		6	6	Some horiz. & verti. cracks with seepage & effloresence. Unable to measure due to ice. (26Oct2011)	
Measured Rise (mm)	1980				
Measured At Ring No.					
Sag (mm)	0				
Percent Sag	0				
Sidewall		5	5	Some med. isolated scaling.	
Measured Span (mm)	1980				
Measured At Ring No.					
Deflection (mm)	0				
Percent Deflection	0				
Floor		4	N	Jct boxes look good. (Floor is deteriorating. 26Oct2011) - Ice.	
Bulge (mm)	0				
Measured At Ring No.					
Abrasion (Y/N)	Yes				
Circumferential Seams		4	4	(Exposed rebar & 50 mm of concrete abraded @ floor. 26Oct2011) - Not visible due to ice; maintain rating. Seepage at seams.	
Separation (mm)	35				
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 Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
<b>(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1980, Rise (mm): 1980, Type: BP, Cell Sequence: 1)</b>				
Coating		X	X	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		5	5	
Baffle		X	X	
<b>(Type : )</b>				
Waterway Adequacy		6	6	(ICED TO 900 mm FROM ROOF @ N BOX @ D/S. 970313).
Icing (Y/N)	Yes			
Silting (Y/N)	Yes			Silt & gravel on d/s end.
Drift (Y/N)	No			
<b>Barrel General Rating</b>		<b>4</b>	<b>4</b>	GR carried forward from 26Oct2011.

Bridge Culvert Barrel					
Culvert Component		Last	Now	Explanation of Condition	
<b>(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1980, Rise (mm): 1980, Type: BP, Cell Sequence: 2)</b>					
Barrel Last Accessible Date	11-Mar-2013			Middle cell.	
<b>Special Features</b>					
Special Feature		7	7	Straight flow from centre SP to centre cell. All walls have 1-3mm wide cracks.	
<b>(Type : BARREL ELBOW)</b>					
Special Feature					
<b>(Type : )</b>					
Roof		7	7	Unable to measure due to ice.	
Measured Rise (mm)	1980				
Measured At Ring No.					
Sag (mm)	0				
Percent Sag	0				
Sidewall		6	6	Some med. isolated scaling.	
Measured Span (mm)	1980				
Measured At Ring No.					
Deflection (mm)	0				
Percent Deflection	0				
Floor		5	N	(Scale near W transition box. 26Oct2011) - Ice.	
Bulge (mm)	0				
Measured At Ring No.					
Abrasion (Y/N)	Yes				
Circumferential Seams		4	4	Leaking roof seams.	
Separation (mm)	0				
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 Culvert Barrel					
Culvert Component		Last	Now	Explanation of Condition	
<b>(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1980, Rise (mm): 1980, Type: BP, Cell Sequence: 2)</b>					
Coating		X	X		
Corrosion By Soil (Y/N)					
Corrosion By Water (Y/N)					
Camber POS/ZERO/NEG	ZERO				
Ponding (Y/N)	No				
Fish Passage Adequacy		5	5		
Baffle		X	X		
(Type : )					
Waterway Adequacy		6	6		
Icing (Y/N)	No			Some silt on d/s end.	
Siltting (Y/N)	Yes				
Drift (Y/N)	No				
<b>Barrel General Rating</b>		<b>6</b>	<b>6</b>		
Bridge Culvert Barrel					
Culvert Component		Last	Now	Explanation of Condition	
<b>(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1980, Rise (mm): 1980, Type: BP, Cell Sequence: 3)</b>					
Barrel Last Accessible Date	11-Mar-2013			N cell.	
<b>Special Features</b>					
Special Feature		7	7	Transition bevelled to extension culvert & cell. All walls have 1-3mm wide cracks.	
(Type : <b>BARREL ELBOW</b> )					
Special Feature					
(Type : )					
Roof		5	5	Roof stain & scale - corrosion stains from lateral cracks in roof. Unable to measure due to ice.  (26Oct2011)	
Measured Rise (mm)	1980				
Measured At Ring No.					
Sag (mm)	0				
Percent Sag	0				
Sidewall		4	4	Some med. isolated scaling. 2m2 area of heavy scaling in S wall near W end. (N wall has corrosion stains at lower haunch & from cracks that extend into roof. 26Oct2011) - Ice.	
Measured Span (mm)	1980				
Measured At Ring No.					
Deflection (mm)	0				
Percent Deflection	0				
Floor		5	N	(Has 5m length of floor deteriorated. Corrosion stains occur at several locations. 26Oct2011) - Ice.	
Bulge (mm)	0				
Measured At Ring No.					
Abrasion (Y/N)	Yes				
Circumferential Seams		4	4	Seams leaking on W end.	
Separation (mm)	30				
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 Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
<b>(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1980, Rise (mm): 1980, Type: BP, Cell Sequence: 3)</b>				
Coating		X	X	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		5	5	
Baffle		X	X	
(Type : )				
Waterway Adequacy		6	6	
Icing (Y/N)	No			Some silt on d/s end.
Silting (Y/N)	Yes			
Drift (Y/N)	No			
<b>Barrel General Rating</b>		<b>4</b>	<b>4</b>	

Bridge Culvert Barrel					
Culvert Component		Last	Now	Explanation of Condition	
<b>(Pipe # : 1, Primary Span, Location Code: D/S, Span (mm): , Rise (mm): 2750, Type: SP)</b>					
Barrel Last Accessible Date	11-Mar-2013			S d/s extension.	
<b>Special Features</b>					
Special Feature		7	7	Skewed 27 deg. to S. Nose iron painted.	
(Type : <b>BARREL ELBOW</b> )					
Special Feature					
(Type : )					
Roof		7	7	Unable to measure due to ice.  (2.5%, 26Oct2011).	
Measured Rise (mm)	2680				
Measured At Ring No.	4				
Sag (mm)	70				
Percent Sag	2				
Sidewall		7	7	1.5%	
Measured Span (mm)	2790				
Measured At Ring No.	4				
Deflection (mm)	40				
Percent Deflection	1				
Floor		N	N	Ice covered.	
Bulge (mm)	0				
Measured At Ring No.					
Abrasion (Y/N)	No				
Circumferential Seams		6	6		
Separation (mm)	0				
Longitudinal Seams		7	7		
Total No. of Cracked Rings	0				
Total No. of Rings with Two Cracked Seams					
Min. Remaining Steel Between Cracks (mm)					
Proper Lap (Y/N)	No				
Longitudinal Stagger (Y/N)	Yes				



Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: D/S, Span (mm): , Rise (mm): 2750, Type: SP)				
Coating		6	6	Minor, (superficial corrosion to floor. 26Oct2011). Some rust coming through bolt holes.
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		X	X	
(Type : )				
Waterway Adequacy		7	7	(100mm silt on floor. 26Oct2011).
Icing (Y/N)	No			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
<b>Barrel Extension General Rating</b>		<b>7</b>	<b>7</b>	

Bridge Culvert Barrel					
Culvert Component		Last	Now	Explanation of Condition	
(Pipe # : 1, Primary Span, Location Code: D/S, Span (mm): , Rise (mm): 2755, Type: SP)					
Barrel Last Accessible Date	11-Mar-2013			N d/s extension, design dia. 2750.	
<b>Special Features</b>					
Special Feature		7	7	Skewed 27 deg. to S. Nose iron painted.	
(Type : <b>BARREL ELBOW</b> )					
Special Feature					
(Type : )					
Roof		7	7	Unable to measure due to ice.  (2.2%. 26Oct2011).	
Measured Rise (mm)	2690				
Measured At Ring No.	3				
Sag (mm)	60				
Percent Sag	2				
Sidewall		7	7	1.1%	
Measured Span (mm)	2780				
Measured At Ring No.	3				
Deflection (mm)	30				
Percent Deflection	1				
Floor		N	N	Ice covered.	
Bulge (mm)					
Measured At Ring No.					
Abrasion (Y/N)					
Circumferential Seams		6	6		
Separation (mm)	0				
Longitudinal Seams		7	7		
Total No. of Cracked Rings	0				
Total No. of Rings with Two Cracked Seams					
Min. Remaining Steel Between Cracks (mm)					
Proper Lap (Y/N)	No				
Longitudinal Stagger (Y/N)	Yes				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: D/S, Span (mm): , Rise (mm): 2755, Type: SP)				
Coating		6	6	Minor, (superficial corrosion to floor. 26Oct2011). Some rust coming through bolt holes.
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		X	X	
(Type : )				
Waterway Adequacy		7	7	(150mm silt on floor. 26Oct2011).
Icing (Y/N)	No			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
<b>Barrel Extension General Rating</b>		<b>7</b>	<b>7</b>	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		E		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	X	
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		7	N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		7	N	Snow covered.
Beavers (Y/N)	No			
<b>Downstream End General Rating</b>		<b>7</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel (U/S and D/S)</b>				
Alignment		8	8	STEEP CUT @ NW.
Bank Stability		5	5	
HWM (m below Top of Culvert)	1.8			(1.8 MIN MIDDLE BOX 940509) logs 100m u/s @ u/s and d/s
Drift (Y/N)	Yes			
Channel Bottom Degrading/Aggrading	AGGRADING			
Beavers (Y/N)	No			

Structure Usage				
		Last	Now	Explanation of Condition
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>8</b>	<b>8</b>	

Maintenance Recommendations										
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #				
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION	2013									
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTOFF										
REPAIR SEAMS										
OTHER ACTION	2013	(Blast clean floor & cast 2m3 concrete to centre/North cell floors - 26Oct2011) & in N cell sidewall.								
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>44.4/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>55.9/55.9</b>	<b>Est. Repl. Yr</b>	<b>2030</b>	<b>Maint. Req. (Y/N)</b>	<b>Yes</b>			
Special Comments for Next Inspection	No action for seam seepage or abrasion at this time.		Department Comments							
Maintenance Reviewed By			Date			Estimated Total	0			
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Owen Salava	Previous Assistant's Name								
Next Inspection Date	11-Dec-2014	Previous Inspection Date	26-Oct-2011							
Inspection Cycle (Default) (months)	21									
Comment										

**Maintenance Recommendations**

Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS						
PLACE ADDITIONAL RIP RAP						
REMOVE DRIFT ACCUMULATION	2013		for operations	2013		
INSTALL CONCRETE/STEEL LINING						
INSTALL STRUTS						
INSTALL CONCRETE COLLAR/CUTOFF						
REPAIR SEAMS						
OTHER ACTION	2013	(Blast clean floor & cast 2m3 concrete to centre/North cell floors - 26Oct2011) & in N cell sidewall.	when next on site	2014		
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>44.4/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>55.9/55.9</b>	Est. Repl. Yr	2030	Maint. Req. (Y/N) Yes
Special Comments for Next Inspection	No action for seam seepage or abrasion at this time.		Department Comments	Scheduled for replacement in PMA 2034		
Maintenance Reviewed By	John Umlah		Date	30-Apr-2013	Estimated Total	0
Proposed Long-Term Strategy						
On 3-Year Program (Y/N)						
Proposed Action						
Previous Inspector's Name	Owen Salava		Previous Assistant's Name			
Next Inspection Date	11-Dec-2014		Previous Inspection Date	26-Oct-2011		
Inspection Cycle (Default) (months)	21					
Comment						