

Missoula District Office
2100 W Broadway
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Missoula, MT 59807-7039

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Ravalli County Commissioners

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December 22, 2015

Ravalli County Commissioners
215 South 4th Street - Suite A
Hamilton, MT 59840

Subject: 2015 Inspection Cycle.

To Whom It May Concern,

Attached are Bridge Inspection Reports and Pictures for the following bridges.

Please note the addition of the Inspection Work Candidates section on page two. This section includes recommended maintenance actions. Not all reports include comments in this section, as not all structures need attention.

L41338001+01001 Sweeney Creek

If you have any questions, please feel free to contact Jamie Shaw, the Missoula District Bridge Coordinator at (406) 523-5825 or 406 -471-0237.

David Hill
by
Jamie Shaw
Missoula District Bridge Coordinator

copies: Missoula District Bridge File
Bridge Bureau/Bridge Management Section

INITIAL ASSESSMENT FORM FOR STRUCTURE :

L41338001+01001

Location : 1M S FLORENCE Structure Name: none

General Location Data

District Code, Number, Location : **01 Dist 1 MISSOULA**
 County Code, Location : **081 RAVALLI**
 Kind to Hwy Code, Description : **4 4 County Hwy**
 Str Owner Code, Description : **2 County Highway Agency**
 Intersecting Feature : **SWEENEY CREEK 055**
 Structure on the State Highway System : Latitude : **46°36'31"**
 Structure on the National Highway System : Longitude : **114°05'18"**
 Str Meet or Exceed NBIS Bridge Length :

MDT Maintenance Section : **None**

Division Code, Location : **11 MISSOULA**
 City Code, Location : **00000 RURAL AREA**
 Signed Route Number : **41338**
 Maintained by Code, Description : **2 County Highway Agency**
 Kilometer Post, Mile Post : **1.77 km 1.10**

Construction Data

Construction Project Number :
 Construction Station Number : **0+00.00**
 Construction Drawing Number : **none**
 Construction Year : **1972**
 Reconstruction Year :

Traffic Data

Current ADT : **100** ADT Count Year : **2002** Percent Trucks : **3%**

Structure Loading, Rating and Posting Data

Loading Data :

Design Loading :		0 Unknown
Inventory Load, Design :	32.6 mton	B ASD Assigned
Operating Load, Design :	32.6 mton	B ASD Assigned
Posting :		5 At/Above Legal Loads

Rating Data :

	Operating	Inventory	Posting
Truck 1 Type 3 :	41	24	
Truck 2 Type 3-S3 :	64	38	
Truck 3 Type 3-3 :	69	41	

Structure, Roadway and Clearance Data

Structure Deck, Roadway and Span Data :

Structure Length : **8.23 m**
 Deck Area : **0.00 m sq**
 Deck Roadway Width : **0.00 m**
 Approach Roadway Width : **8.84 m**
 Median Code, Description : **0 No median**

Structure Vertical and Horizontal Clearance Data :

Vertical Clearance Over the Structure : **99.99 m**
 Reference Feature for Vertical Clearance : **N Feature not hwy or RR**
 Vertical Clearance Under the Structure : **0.00 m**
 Reference Feature for Lateral Underclearance : **N Feature not hwy or RR**
 Minimum Lateral Under Clearance Right : **0.00 m**
 Minimum Lateral Under Clearance Left : **0.00 m**

Span Data

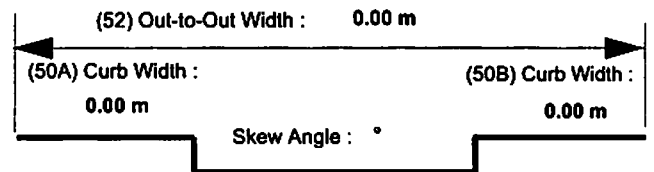
Main Span

Number Spans : **1**
 Material Type Code, Description : **3 Steel**
 Span Design Code, Description : **19 Culvert (includes frame culverts)**
Deck

Approach Span

Number of Spans : **0**
 Material Type Code, Description :
 Span Design Code, Description :

Deck Structure Type : **N Not applicable**
 Deck Surfacing Type : **N Not Applicable (applies only to structures with no dec)**
 Deck Protection Type : **N Not applicable (applies only to structures with no de)**
 Deck Membrain Type : **N Not applicable (applies only to structures with no de)**



Structure Vertical and Horizontal Clearance Data Inventory Route :

Over / Under Direction Name	Inventory Route	South, West or Bi-directional Travel			North or East Travel		
		Direction	Vertical	Horizontal	Direction	Vertical	Horizontal
Route On Structure	L41338	Both	99.99 m	8.84 m	N/A		
HOBLOTT LANE							

L41338001+01001

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Inspection Data

Inspection Due Date : 09 September 2017

Sufficiency Rating : *99

(91) Inspection Frequency (months) : 24

Structure Status : Not Deficient

NBI Inspection Data

(90) Date of Last Inspection : 09 September 2015

Last Inspected By : James Shaw - 73

(90) Inspection Date :

Inspected By :

(58) Deck Rating :	N	(68) Deck Geometry :	N	(36A) Bridge Rail Rating :	0	(62) Culvert Rating :	6
(59) Superstructure Rating :	N	(67) Structure Rating :	6	(36B) Transition Rating :	N	(61) Channel Rating :	7
(60) Substructure Rating :	N	(69) Under Clearance :	N	(36C) Approach Rail Rating :	N	(71) Waterway Adequacy :	9
(72) App Rdwy Align :	8	(41) Posting Status :	A	(36D) End Rail Rating :	0	(113) Scour Critical :	8

Unrepaired Spalls : 0 m sq

Deck Surfacing Depth : 0.00 in

Inspection Hours

Crew Hours for inspection :	2
Helper Hours :	-1
Special Crew Hours :	-1
Special Equipment Hours :	-1

Snooper Required :	N
Snooper Hours for inspection :	-1
Flagger Hours :	-1

Inspection Work Candidates		Status	Priority	Effected Structure Unit	Scope of Work	Action	Covered Condition States
Candidate ID	Date Requested						

Late Reason:
Inspection Date: 09/09/2015

INITIAL ASSESSMENT FORM FOR STRUCTURE :

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Element Inspection Data

***** Span : Main-0 - -1 *****

Element Description										
Smart Flag	Scale Factor	Env	Quantity	Units	Insp Each	Pct Stat 1	Pct Stat 2	Pct Stat 3	Pct Stat 4	Pct Stat 5
Element 220 - R/C Sub Pile Cap/Ftg exposed footings										
	1	3	2	ea.		100	0	0	0	
						%	%	%	%	%

Previous Inspection Notes :

09/09/2015 - There was no water in the stream bed. Only small portions of the footings are visible; at B1 left and B2 right. The concrete is abraded. No other problems observed. JZMZ

09/10/2013 - Approx. 4-5' of footing exposed at both B1 Left and B2 Right. No other problems noted. LZHT

Inspection Notes:

Element 240 - Steel Culvert										
Smart Flag	Scale Factor	Env	Quantity	Units	Insp Each	Pct Stat 1	Pct Stat 2	Pct Stat 3	Pct Stat 4	Pct Stat 5
	1	3	9	m.		90	10	0	0	
						%	%	%	%	%

Previous Inspection Notes :

09/09/2015 - There is rust and corrosion with pitting of the culvert from the footings to approximately 18 inches up the arch. See photo. There was no distortion observed. JZMZ

There are cracks and small spalls in the wingwalls on both sides and both ends of the culvert.

09/10/2013 - Rust and pitting approx. 1.5' up each side of the barrel. No significant distortion seen. LZHT

09/20/2011 - No significant changes noted. Exposure of B1 left footing appears unchanged. See pic. MBIZ

08/27/2009 - Headwall wingwall cracking unchanged. Stream migration towards B1 is causing some exposure of footing at left corner, see pic.. BZFP

Upstream scour hole with root ball remains stable. Corrosion about waterline, see pic..

02/25/2008 - Gravel surface rough needs bladed. No significant changes noted. HGIZ

03/10/2006 - Multi plate arch shows corrosion about waterline. Walls show no changes. Upstream channel shows migration and drift with scour hole and highwater overflow "channel", see pics... (9.19 X 1 = 9.19) KCCC

03/11/2004 - Multi-plate culvert with gravel surface. Headwalls and wingwalls show msome minor cracking. No problems noted. Barrel shows some corrosion about normal waterline. GZDH

08/28/2002 - UNCHANGED IZHZ

07/20/2000 - MEDIUM CORROSION ALONG BASES. KLGV

06/10/1998 - SEVERAL CRACKS IN HEADWALLS AND WINGWALLS. JFAP

04/26/1996 - _ LXIO

Inspection Notes:

Element 334 - Metal Rail Coated										
Smart Flag	Scale Factor	Env	Quantity	Units	Insp Each	Pct Stat 1	Pct Stat 2	Pct Stat 3	Pct Stat 4	Pct Stat 5
	1	2	16	m.		90	5	5	0	0
						%	%	%	%	%

Previous Inspection Notes :

09/09/2015 - There is speckled rust on the posts for the rails on both sides of the roadway. See photo. The posts are small channels. JZMZ

09/10/2013 - W-beam rail with steel posts. There is no structural backing on the rail. Minor speckled rust on the posts. No other problems noted. LZHT

09/20/2011 - No significant changes noted. MBIZ

08/27/2009 - Minor paint loss and rusting of posts. BZFP

02/25/2008 - No significant changes noted. HGIZ

03/10/2006 - No problems noted. (8.23 X 2 = 16.46) KCCC

03/11/2004 - None GZDH

08/28/2002 - WEEDS IN CURB LINES. FOUR OBJECT MARKERS - NONE IN LINE WITH RAIL/CURB. IZHZ

Inspection Notes:

Inspection Photos

L41338001+01001

Location 1M S FLORENCE Structure Name: none



AOL

Notes

Looking north.



Profile Left

Notes

Looking downstream.

Inspection Photos

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Location 1M S FLORENCE Structure Name: none



Under Left
Notes

None



Culvert B1 Left
Notes

None

Inspection Photos

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Location 1M S FLORENCE Structure Name: none



Rail Left BOL

Notes

None