

Colorado Department of Transportation
Sign Report (English Units)

Highway Number (ON) 5D: 070A
Mile Post (ON) 11: 117.420 mi

Bridge Key: SIGN-F-07-Z Inspection Date: 08/15/2022 Sufficiency Rating: 0.00 ND

NBI Reporting ID:	SIGN-F-07-Z	Functional Class 26:	11	CDOT Constr Type 120B:	00
Rgn/Sect 2E/2M:	32	Year Built 27:	1971	Frame Type 120D:	
Tran Region 2T:	11	Lanes on 28A:	0.00	DAT, DBL ARM TR	
County Code 3:	045	Lanes Under 28B:	1	Pole Type 120E:	
045 GARFIELD		ADT 29:		SNGUC, Single uniform co	
Place Code 4:	00000	Year of ADT 30:		Foundation Type 120F:	
non-city		Apr Rdwy Width 32:	0 ft	0, Unknown	
Rte.(On/Under) 5A:	2	Sfty Rail 36a/b/c/d:	N N 1 1	Upper Conn. Type 120G:	
Signing Prefix 5B:	1	Main Spans Unit 45:	1.00	009, Double Armed-Cap Co	
Level of Service 5C:	1	Str Length 49:	18.0 ft	Inspection Indic 122A:	
Feature Intersected 6:		SSHML Rating 62:	5	Inspection Trip 122AA:	Unknown
I70 ML WBND		Type Of Work 75A:	-4	Scheduling Status 122B:	
Facility Carried 7:		Work Done By 75B:		Maintenance Patrol 123:	
SIGN		Insp Team Indicator 90B:		Special Equip 133:	0.00
Alias Str No.8A:		Inspector Name 90C:		Vert Clr N/E 134A/B/C:	X 99.99 0.00
		Frequency 91:	48 months	Vert Clr S/W 135A/B/C:	W 17.75 17.50
Location 9:		Bridge Cost 94:	-1.00	Vertical Clr Date:	08/15/2022
0.3 MI E OF GLENWOOD SPG		Year of Cost Estimate 97:	0	Userkey 1, Insp System:	SIGN
Latitude 16:	39d 33' 30.26"	Defense Highway 100:		Userkey 4, Insp Sched:	LP2
Longitude 17:	107d 18' 49.40"	Truck ADT 109:	0 %	Userkey 5, Pin Sched:	
Custodian 21:	01	Trk Net 110:		Userkey 7, 113 Doc Date:	
Owner 22:	01	CDOT Str Type 120A:	SIGNC	Inspection Key:	XOGV

Element Inspection Report

Elm/Env	Description	Unit	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4
9601/1	Foundation	each	1	100%	1	0%	0	0%	0	0%	0

Not Visible. Buried beneath ground, not inspected in 2022.

9610/1	Anchor Bolts	(EA)	10	0%	0	0%	0	100%	10	0%	0
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R3 corrosion on anchor bolts/nuts (10EA CS3 - 1000). During 2022 inspection, dug out ground to expose.
Anchor bolts verified tight by inspector.

1000/1	Corrosion	(EA)	10	0%	0	0%	0	100%	10	0%	0
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See Element 9610 comments.

9611/1	Base Plate	(EA)	1	0%	0	0%	0	100%	1	0%	0
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R3 corrosion on base plate (1EA CS3 - 1000). Buried beneath ground, not inspected completely in 2022.

1000/1	Corrosion	(EA)	1	0%	0	0%	0	100%	1	0%	0
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See Element 9611 comments.

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9612/1	Base/Gusset Welds	(EA)	1	0%	0	0%	0	100%	1	0%	0
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R3 corrosion on base weld, between 10% and 30% section loss (1EA CS3 - 1000).

1000/1	Corrosion	(EA)	1	0%	0	0%	0	100%	1	0%	0
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See Element 9612 comments.

9620/1	Column - Steel	(EA)	1	0%	0	0%	0	0%	0	100%	1
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R4 corrosion with up to 12% section loss, bottom 13 feet above base plate (1EA CS4 - 1000). Lower hand hole cover is missing.

6 inch above plate, 0.206, 0.222, 0.206 (average 0.211 inch) pole diameter 51 inches, up to 100% section loss. No holes are visible.

6 feet above plate, 0.505, 0.515, 0.515 (average 0.512 inch) original thickness readings.

1000/1	Corrosion	(EA)	1	0%	0	0%	0	0%	0	100%	1
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See Element 9620 comments.

9630/1	Bolt Upr Conn/Splice	(EA)	2	0%	0	100%	2	0%	0	0%	0
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R1 corrosion at upper connection (2EA CS2 - 1000). Bolt #3 of lower connection/splice is loose and rusted. Bolts verified tight by inspector.

1000/1	Corrosion	(EA)	2	0%	0	100%	2	0%	0	0%	0
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See Element 9630 comments.

9631/1	Weld Upr Conn/Splice	(EA)	2	0%	0	100%	2	0%	0	0%	0
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R1 corrosion at upper connection (2EA CS2 - 1000).

1000/1	Corrosion	(EA)	2	0%	0	100%	2	0%	0	0%	0
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See Element 9631 comments.

9640/1	Frame/Mast Arm	(LF)	18	0%	0	94%	17	6%	1	0%	0
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R1 to R2 corrosion throughout (17LF CS2, 1LF CS3 - 1000). Gusset plates at east end of frame exhibiting R2 corrosion.

515/1	Steel Protective Coating	sq.ft	18	100%	18	0%	0	0%	0	0%	0
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1000/1	Corrosion	(LF)	18	0%	0	94%	17	6%	1	0%	0
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See Element 9640 comments.

9662/1	Sign Lighting	(EA)	1	100%	1	0%	0	0%	0	0%	0
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Did day time inspection so were not sure if the lighting system was functioning.

Maintenance Activity Summary

MMS Activity	Description	Recommended	Status	Target Year	Est Cost
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*398.00	Misc-Repair/Replace Util or Sgn	8/15/2022		2022	0.00
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Recommend replacement of structure.

Bridge Notes

Date: 08-15-2022: ERF submitted due to corrosion and section loss. BUILT ON PROJECT I 70-1(24)118 & I 70-2(18)121
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Inspection Notes

Date: 08-15-2022 Time: 13:00 Temp: 80 Degrees Weather: Mostly-cloudy, breezy	
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Scope:

☒ NBI
 ☒ Element
 ☐ Underwater
 ☐ Fracture Critical
 ☐ Other
 Type: Regular NBI

Team Leader Inspection Check-off:

☐ FCM's
 ☐ Vertical Clearance
☐ Posting Signs
 ☐ Stream Bed Profile
☐ Essential Repair Verification

Inspection Team:

Inspection Date: 08/15/2022

Inspector:

Inspector (Team Leader):

SIGN-F-07-Z
SIGN over WBND ML

Team Leader: S. RATHJEN
Inspection Date: 8/15/2022



Roadway looking eastbound.



Roadway looking westbound.



Pole Base.



Upper connection - top.



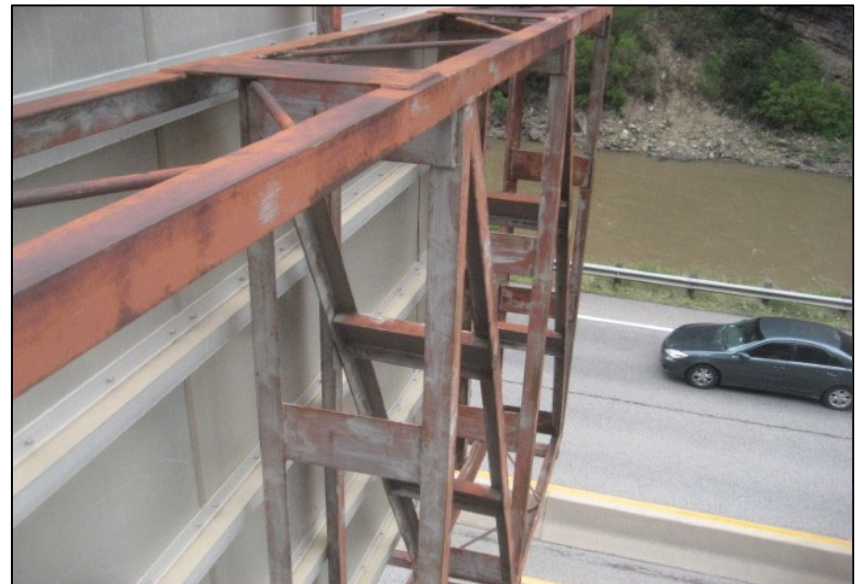
Upper connection - bottom.



General view of lower truss.



General view of top truss.



General view of sign truss.



Pole base-gussets-welds R3 corrosion.



Pole base-gussets-welds R3 corrosion.



Column - R4 corrosion.



Column - R4 corrosion.



Column - R4 corrosion bottom 13 feet.



Gusset plate - Lower cord - R2 corrosion.



Lower connection - top.



Lower connection - bottom.

SIGN-F-07-Z
SIGN over WBND ML

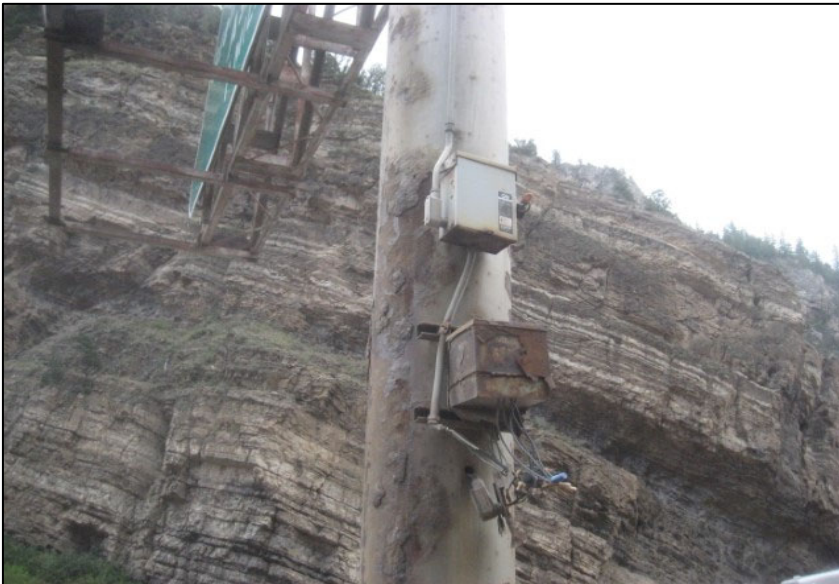
Team Leader: S. RATHJEN
Inspection Date: 8/15/2022



Loose conduit bracket.



Sign lighting.



Electrical boxes for sign lighting.



Structure ID.