

Colorado Department of Transportation
Structure Inspection and Inventory Report (English Units)

Highway Number (ON) 5D: 025A 1

Mile Post (ON)11: **159.309 mi**

Bridge Key: H-17-BK Inspection Date: **12/14/2010** Sufficiency Rating: **79.4** **Not Eligible**

Rgn/Sectn 2E/2M:	24	Hist Signif 37:	5	UW Inspection Date 93B:	
Trans Region 2T:	01	Posting status 41:	A	SI Date 93C:	
County Code 3:	041	Service on/un 42A/B:	1 5	Bridge Cost 94:	\$ 0
EL PASO		Main Mat/Desgn 43A/B:	1 19	Roadway Cost 95:	\$ 0
Place Code 4:	00000	Appr Mat/Desgn 44A/B:	0 0	Total Cost 96:	\$ 0
non-city		Main Spans Unit 45:	2	Year of Cost Estimate 97:	
Rte.(On/Under)5A:	1	Approach Spans 46:	0	Brdr Brdg Code/% 98A/B:	
Signing Prefix 5B:	1	Horiz Clr 47:	38.0 ft	Border Bridge Number 99:	
Level of Service 5C:	1	Max Span 48:	10.0 ft	Defense Highway 100:	1
Directional Suffix 5E:	0	Str Length 49:	21.0 ft	Parallel Structure 101:	N
Feature Intersected 6:		Curb Wdth L/R 50A/B:	0.0 ft 0.0 ft	Direction of Traffic 102:	2
TEACHOUT CREEK		Width Curb to Curb 51:	0.0 ft	Temporary Structure 103:	
Facility Carried 7:		Width Out to Out 52:	126.5 ft	Highway System 104:	1
25 ML		Deck Area:	2,658.7 sq. ft	Fed Lands Hiway 105:	0
Alias Str No.8A:		Min Clr Ovr Brdg 53:	99.99	Year Reconstructed 106:	1963
		Min Undrclr Ref 54A:	N	Deck Type 107:	N
Prll Str No. 8P		Min Undrclr 54B:	0.0 ft	Wearing Surface 108A:	N
		Min Lat Clrnce Ref R 55A:	N	Membrane 108B:	N
Location 9:		Min Lat Undrclr R 55B:	0.0 ft	Deck Protection 108C:	N
9.0 MI N OF JCT SH 83 ML		Min Lat Undrclr L 56:	0	Truck ADT 109:	9 %
Max Clr 10:	99.99	Deck 58:	N	Trk Net 110:	1
BaseHiway Net12:	1	Super 59:	N	Pier Protection 111:	#
IrsinvRout 13A	000000025A	Sub 60:	N	NBIS Length 112:	Y
IrssubRout No13B:	00	Channel/Protection 61:	8	Scour Critical 113:	8
Latitude 16:	39d 04' 19"	Culvert 62:	7	Scour Watch 113M:	0
Longitude 17:	104d 51' 28"	Optprtng Rtg Method 63:	5 No rating	Future ADT 114:	95,778
Range18A:	67 W	Operating Rating 64:	36.0	Year of Future ADT 115:	2028
Township18B:	67	Inv Rtnng Method 65:	5	CDOT Str Type 120A:	CBC
Section18C:	23	Inventory Rating 66:	36.0	CDOT Constr Type 120B:	0.
Detour Length 19:	0.6 mi	Asph/Fill Thick 66T:	054 "in"	Inspection Indic 122A:	
Toll Facility 20:	3	Str. Evaluation 67:	7	Inspection Trip 122AA:	
Custodian 21:	1	Deck Geometry 68:	N	Scheduling Status 122B:	
Owner 22:	1	Undrclr Vert/Hor 69:	N	Maintenance Patrol 123:	8
Functional Class 26:	11	Posting 70:	5	Expansion Dev/Type124:	O
Year Built 27:	1926	Waterway Adequacy 7:	8	Brdg Rail Type/Mod 125A/B:	FB 0
Lanes on 28A:	4	Approach Alignment 72:	8	Posting Trucks 129A/B/C:	0 0 0
Lanes Under 28B:	0	Type of Work 75A:		Str Rating Date 130:	1/1/1901
ADT 29:	62,600	Work Done By 75B:		Special Equip 133:	-1
Year of ADT 30:	2008	Length of Improvment 76:	0.0 ft	Vert Clr N/E 134A/B/C:	X 99.99 0.00
Design Load 31:	2	Insp Team Indicator 90B:	RED TEAM	Vert Clr S/W 135A/B/C:	X 99.99 0.00
Apr Rdwy Width 32:	76.0 ft	Inspector Name 90C:	TERRYJ	Vertical Clr Date:	1/1/1901
Median 33:	2	Frequency 91:	24 months	Weight Limit Color: 139:	0
Skew 34:	0.00 °	FC Frequency 92A:	-1	Str Billing Type:	U
Structure Flared 35:	0	UW Frequency 92B:	-1	Userkey 1 - System:	ONSYS
Sfty Rail 36a/b/c/d:	1 1 1 1	SI Frequency 92C:	-1	Userkey 7-Update Indic:	
Rail ht36h:	30 "in"	FC Inspection Date 93A:			

Inspector Name: TERRYJ

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Element Inspection Report

Elem/En	Description	Units	Total Qty	% in 1	CS 1	% in 2	CS 2	% in 3	CS 3	% in 4	CS 4	% in 5	CS 5
241/1	Concrete Culvert	(LF)	253	68 %	172	29 %	74	3 %	7	0 %	0	0 %	0
327/1	Culvert Wingwalls	(EA)	4	100 %	4	0 %	0	0 %	0	0 %	0	0 %	0
334/1	Metal Rail Coated	(LF)	21	100 %	21	0 %	0	0 %	0	0 %	0	0 %	0
335/1	Culvert Headwalls	(EA)	2	100 %	2	0 %	0	0 %	0	0 %	0	0 %	0
501/1	Channel Cond	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0
504/1	BankCond	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0

Elem/Env	Description	Element Notes
241/1	Concrete Culvert	Some spalling along right widening joint in both cells. Some spalls, caused by rail installation, in top slab at right end of both cells, one with exposed rebar. Bottom of walls in original section have light to moderate stream abrasion. Top slab is spalling with exposed rebar below headwall in both cells. Right construction joint in both cells open up to 1/4 inch. Cell #1 some leakage with efflor at left widening joint. Couple light longit. cracks with efflor. in top slab at left and right end. Cell #2 delam with exposed rebar in top slab at drop inlet. Light vertical cracks in walls, light scale with efflor. on walls and top slab in original section. Light diagonal crack and few minor scrapes at right end of Wall #3.
327/1	Culvert Wingwalls	#1 left pushed slightly. #3 right pushed 1 inch at top. All open slightly with joint material slipping out. Small crack at wall #3 right bottom.
334/1	Metal Rail Coated	Galvanized flex beam rail on the right is attached to the top slab. Looks good. Posts have been spliced with welds. (See 2006 Photo)
335/1	Culvert Headwalls	Couple hairline vertical cracks in both. Delam cracking left side of both cells.
501/1	Channel Cond	Teachout Creek. Channel passes through 2 RCPs, under the frontage road, immediately upstream. Flow meanders through both cells with aggradation of up to 1.5-2 feet in both cells. Small trees and cattails obfuscating inlet. Up to 9 inches of scour at inlet of both cells near divider wall, and could not see during 1/09 inspection. 1-2 foot diameter riprap lines left forward and rear corners.
504/1	BankCond	Gentle grassy slopes.

Maintenance Activity Summary

MMS Activity	Description	Recommended	Status	Target Year	Est Cost
352.00	Cln & Wash	1/8/2009	-1	2010	250

Remove sand at outlet after constr. is done along highway.

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Bridge Notes

Inspection Notes

Temperature: 64 F
Time: 1:45-2:10
Weather: windy, sunny
Team leader: TAT

Scope:

NBI: Element: Underwater: Fracture Critical: Other: Type:

Inspector: TERRYJ

Inspection Team:

Inspection Date: 12/14/2010

Inspector

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