

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

Highway Number (ON) 5D: 025A
 Mile Post (ON)11: 140.712 mi

Bridge Name: I-17-EI Inspection Date: 12/13/2012 Sufficiency Rating: 70.0 Not Eligible

NBI Reporting ID:	I-17-EI
Rgn/Sectn 2E/2M:	24
Trans Region 2T	01
County Code 3:	041
EL PASO	
Place Code 4:	16000
COLORADO SPRINGS	
Rte.(On/Under)5A:	1
Signing Prefix 5B:	1
Level of Service 5C:	1
Directional Suffix 5E:	0
Feature Intersected 6:	
DRAW	
Facility Carried 7:	
I 25 ML	
Alias Str No.8A:	
Pril Str No. 8P	
Location 9:	
IN COLORADO SPRINGS	
Max Clr 10:	328.1 ft
BaseHiway Net12:	1
IrsinvRout 13A	000000025A
IrrsubRout No13B:	00
Latitude 16:	38d 49' 18"
Longitude 17:	104d 50' 09"
Range18A:	67 W
Township18B:	67
Section18C:	24
Detour Length 19:	3.0 mi
Toll Facility 20:	3
Custodian 21:	1
Owner 22:	1
Functional Class 26:	11
Year Built 27:	1959
Lanes on 28A:	6
Lanes Under 28B:	0
ADT 29:	87,400
Year of ADT 30:	2008
Design Load 31:	4
Apr Rdwy Width 32:	100.0 ft
Median 33:	3
Skew 34:	0.00 °
Structure Flared 35:	0
Sfty Rail 36a/b/c/d:	1 1 1 1
Rail ht36h:	24 "in"

Hist Signif 37:	5
Posting status 41:	A
Service on/un 42A/B:	1 5
Main Mat/Desgn 43A/B:	1 19
Aprr Mat/Desgn 44A/B:	0 0
Main Spans Unit 45:	2
Approach Spans 46:	0
Horiz Clr 47:	50.0 ft
Max Span 48:	14.0 ft
Str Length 49:	29.0 ft
Curb Wdth L/R 50A/B:	0.0 ft 0.0 ft
Width Curb to Curb 51	0.0 ft
Width Out to Out 52:	118.0 ft
Deck Area:	3,422.9 sq. ft
Min Clr Ovr Brgd 53:	99.99
Min Undrclr Ref 54A:	N
Min Undrclr 54B:	0.0 ft
Min Lat Clrnce Ref R 55A:	N
Min Lat Undrclr R 55B:	0.0 ft
Min Lat Undrclr L 56:	0.0 ft
Deck 58:	N
Super 59:	N
Sub 60:	N
Channel/Protection 61:	6
Culvert 62:	6
Oprtg Rtg Method 63:	0
Operating Rating 64:	40.0
Inv Rtg Method 65:	0
Inventory Rating 66:	36.0
Asph/Fill Thick 66T:	036 "in"
Str. Evaluation 67:	6
Deck Geometry 68:	N
Undrclr Vert/Hor 69:	N
Posting 70:	5
Waterway Adequacy 7	8
Approach Alignment 72:	8
Type of Work 75A:	
Work Done By 75B:	
Length of Improvment 76:	0.0 ft
Insp Team Indicator 90B:	WHITE TEAM
Inspector Name 90C:	MONDRAGONK
Frequency 91:	24 months
FC Frequency 92A:	
UW Frequency 92B:	
SI Frequency 92C:	
FC Inspection Date 93A:	

UW Inspection Date 93B	
SI Date 93C:	
Bridge Cost 94:	\$ 0
Roadway Cost 95:	\$ 0
Total Cost 96:	\$ 0
Year of Cost Estimate 97:	
Brdr Brgd Code/% 98A/B:	
Border Bridge Number 99:	
Defense Highway 100:	1
Parallel Structure 101:	N
Direction of Traffic 102:	2
Temporary Structure 103	
Highway System 104:	1
Fed Lands Hiway 105:	0
Year Reconstructed 106	0000
Deck Type 107:	N
Wearing Surface 108A	N
Membrane 108B:	N
Deck Protection 108C:	N
Truck ADT 109:	9 %
Trk Net 110:	1
Pier Protection 111:	#
NBIS Length 112:	Y
Scour Critical 113:	8
Scour Watch 113M:	0
Future ADT 114:	119,738
Year of Future ADT 115	2028
CDOT Str Type 120A:	CBC
CDOT Constr Type 120B	0.
Inspection Indic 122A:	
Inspection Trip 122AA	
Inspection Schedule ID:	ODD SEP C_9
Maintenance Patrol 123:	69
Expansion Dev/Type124	0
Brdg Rail Type/Mod 125A/B	FB 3
Posting Trucks 129A/B/C	0 0 0
Str Rating Date 130:	8/12/2011
Special Equip 133:	
Vert Clr N/E 134A/B/C:	X 99.99 0
Vert Clr S/W 135A/B/C	X 99.99 0
Vertical Clr Date:	5/5/1905
Weight Limit Color: 139	0
Str Billing Type:	U
Userkey 1 - System:	ONSYS
Userkey 7-Update Indid	

Inspector Name: MONDRAGONK

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Element Inspection Report

Elm/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
361/1	Scour Smart Flag	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0
241/4	Concrete Culvert	(LF)	236	47 %	110	47 %	110	7 %	16	0 %	0	0 %	0
327/4	Culvert Wingwalls	(EA)	4	0 %	0	75 %	4	25 %	0	0 %	0	0 %	0
335/4	Culvert Headwalls	(EA)	2	100 %	2	0 %	0	0 %	0	0 %	0	0 %	0
501/4	Channel Cond	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0
502/4	ChannProtMatCond	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0
504/4	BankCond	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0

Elem/Env	Description	Element Notes
361/1	Scour Smart Flag	36 in scour hole at outlet of Cell #1 and along Wing #1 Rt. footing.
241/4	Concrete Culvert	Light vertical cracks in all walls. Top slab has light efflorescence and rust stains along second construction joint from right end. Bottom slab in Cell #1 has moderate stream abrasion. The portion of the bottom slab in Cell #2 that is still visible has light stream abrasion. The side walls are cracked/broken near the bottom at the joints with the left wingwalls.
327/4	Culvert Wingwalls	#1 Rt. pushed 3 inches at the top and settled 4 inches plus footing is exposed; #1 Lt. pushed 2 inches, open 1 inch; #3 Rt. pushed 1 inch, open 1 inch; #3 Lt. pushed 2 inches, open 1 inch.
335/4	Culvert Headwalls	Light vertical cracks over divider walls.
501/4	Channel Cond	Main flow thru cell #1. 36 inch drop/scour at outlet of cell #1. (See photo dated 9/14/2010). Cell #2 has raised pedestrian path against wall #3 and small gutter down wall #2 (see photo and sketch).
502/4	ChannProtMatCond	Original concrete apron at outlet was washed away completely and never replaced. Some rock riprap at outlet cell #1 and riprap placed along bike path on right side (see photo). Also a low check dam built of rocks just downstream to ease scour.
504/4	BankCond	Lined with trees both sides.

Maintenance Activity Summary

MMS Activity	Description	Recommended	Status	Target Year	Est Cost
358.03	Substr	7/24/2002	-1	2020	1000

Place riprap at the outlet of Cell #1 and at Wingwall #1 Rt. where scouring is occurring along footing.

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Bridge Notes

Inspection Notes

TIME: 12:55
TEMP: 46 degrees F
WEATHER: Clear

Scope:

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

Team Leader Inspection Check-off:

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

Inspection Team:

Inspection Date: 12/13/2012

Inspector: MONDRAGONK

Inspector (Team Leader)

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