

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

Highway Number (ON) 5D: 025A  
 Mile Post (ON)11: 148.000 mi

Bridge Key: I-17-NM      Inspection Date: 8/8/2012      Sufficiency Rating: 97.6      Not Eligible

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:	7
Directional Suffix 5E:	0
Feature Intersected 6:	
MONUMENT CREEK	
Facility Carried 7:	
I 25 SBND RAMP	
Alias Str No.8A:	
Prll Str No. 8P:	
Location 9:	328.05117409
IN COLORADO SPGS	
Max Clr 10:	99.99
BaseHiway Net12:	0
IrsinvRout 13A:	0000000000
IrssubRout No13B:	00
Latitude 16:	38d 54' 51"
Longitude 17:	104d 49' 09"
Range18A:	66W
Township18B:	13S
Section18C:	18
Detour Length 19:	1.0 mi
Toll Facility 20:	3
Custodian 21:	1
Owner 22:	1
Functional Class 26:	11
Year Built 27:	2008
Lanes on 28A:	2
Lanes Under 28B:	0
ADT 29:	5,455
Year of ADT 30:	2005
Design Load 31:	9
Apr Rdwy Width 32:	38.0 ft
Median 33:	1
Skew 34:	46.00 °
Structure Flared 35:	0
Sfty Rail 36a/b/c/d:	1   1   1   1
Rail ht36h:	35 "in"

Hist Signif 37:	5
Posting status 41:	A
Service on/un 42A/B:	1   5
Main Mat/Desgn 43A/B:	6   02
Aprr Mat/Desgn 44A/B:	0   0
Main Spans Unit 45:	4
Approach Spans 46:	0
Horiz Clr 47:	38.0 ft
Max Span 48:	130.8 ft
Str Length 49:	460.2 ft
Curb Wdth L/R 50A/B:	0.0 ft   0.0 ft
Width Curb to Curb 51:	38.0 ft
Width Out to Out 52:	42.0 ft
Deck Area:	
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:	327.8 ft
Min Lat Undrclr L 56:	0
Deck 58:	7
Super 59:	8
Sub 60:	8
Channel/Protection 61:	8
Culvert 62:	N
Oprtg Rtg Method 63:	5 No rating
Operating Rating 64:	936.0
Inv Rtg Method 65:	5
Inventory Rating 66:	936.0
Asph/Fill Thick 66T:	000 "in"
Str. Evaluation 67:	8
Deck Geometry 68:	9
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:	
Insp Team Indicator 90B:	WHITE TEAM
Inspector Name 90C:	BUTKOVICHJ
Frequency 91:	24 months
FC Frequency 92A:	-1
UW Frequency 92B:	-1
SI Frequency 92C:	-1
FC Inspection Date 93A:	

UW Inspection Date 93B:	
SI Date 93C:	
Bridge Cost 94:	\$ -1
Roadway Cost 95:	\$ -1
Total Cost 96:	\$ -1
Year of Cost Estimate 97:	-1
Brdr Brdg Code/% 98A/B:	
Border Bridge Number 99:	
Defense Highway 100:	1
Parallel Structure 101:	N
Direction of Traffic 102:	1
Temporary Structure 103:	
Highway System 104:	1
Fed Lands Hiway 105:	0
Year Reconstructed 106:	-1
Deck Type 107:	1
Wearing Surface 108A:	1
Membrane 108B:	0
Deck Protection 108C:	1
Truck ADT 109:	7 %
Trk Net 110:	1
Pier Protection 111:	#
NBIS Length 112:	Y
Scour Critical 113:	8
Scour Watch 113M:	
Future ADT 114:	10,000
Year of Future ADT 115:	2025
CDOT Str Type 120A:	CPGC
CDOT Constr Type 120B:	03
Inspection Indic 122A:	
Inspection Trip 122AA:	
Scheduling Status 122B:	
Maintenance Patrol 123:	-1
Expansion Dev/Type124:	D
Brdg Rail Type/Mod 125A/B:	Y   0
Posting Trucks 129A/B/C:	0   0   0
Str Rating Date 130:	1/1/1901
Special Equip 133:	-1
Vert Clr N/E 134A/B/C:	X   99.99   0.00
Vert Clr S/W 135A/B/C:	X   99.99   0.00
Vertical Clr Date:	1/1/1901
Weight Limit Color: 139:	
Str Billing Type:	IIA
Userkey 1 - System:	ONSYS
Userkey 7-Update Indic:	

Inspector Name: BUTKOVICHJ

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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
23/4	Bare Conc Dk w/Brs	(SF)	19,328	100 %	19,328	0 %	0	0 %	0	0 %	0	0 %	0
109/4	P/S Conc Open Girder	(LF)	1,841	99 %	1,831	1 %	10	0 %	0	0 %	0	0 %	0
210/4	R/Conc Pier Wall	(LF)	36	100 %	36	0 %	0	0 %	0	0 %	0	0 %	0
215/4	R/Conc Abutment	(LF)	122	100 %	122	0 %	0	0 %	0	0 %	0	0 %	0
234/4	R/Conc Cap	(LF)	177	100 %	177	0 %	0	0 %	0	0 %	0	0 %	0
300/4	Strip Seal Exp Joint	(LF)	122	100 %	122	0 %	0	0 %	0	0 %	0	0 %	0
301/4	Pourable Joint Seal	(LF)	122	100 %	122	0 %	0	0 %	0	0 %	0	0 %	0
321/4	R/Conc Approach Slab	(EA)	2	100 %	2	0 %	0	0 %	0	0 %	0	0 %	0
325/4	Slope Prot/Berms	(EA)	2	100 %	2	0 %	0	0 %	0	0 %	0	0 %	0
326/4	Bridge Wingwalls	(EA)	4	100 %	4	0 %	0	0 %	0	0 %	0	0 %	0
334/4	Metal Rail Coated	(LF)	920	100 %	920	0 %	0	0 %	0	0 %	0	0 %	0
338/4	Conc Curbs/SW	(LF)	920	100 %	920	0 %	0	0 %	0	0 %	0	0 %	0
340/4	Superstr Cnc Coating	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0
343/4	Pole Attachment	(EA)	2	100 %	2	0 %	0	0 %	0	0 %	0	0 %	0
358/4	Deck Cracking SmFlag	(EA)	1	0 %	0	0 %	0	100 %	1	0 %	0	0 %	0
359/1	Soffit Smart Flag	(EA)	1	100 %	1	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
23/4	Bare Conc Dk w/Brs	Light to moderate diag., trans., and pattern cracking in tined concrete surface throughout, some open to 1/16 inch and some spaced as close as 14 inches (See 2008 PHOTO). Bottom in overhangs are trans. cracks with light efflor. near piers.
109/4	P/S Conc Open Girder	Bottom flange of Girders 1A and 4A spalled from construction equipment impact (See 2008 PHOTOS). Few other chips / scrapes on Girders 1B, 1D, 3D, 4A, 4B, and 4C. Spall and delam. (2.5 ft. long) on bottom flange of Girder 1D (See 2008 PHOTO).
210/4	R/Conc Pier Wall	Two 6 ft. long walls at each pier. Few minor spalls, chips, and scrapes on most.
215/4	R/Conc Abutment	Some efflor. seeping from horiz. construction joint at Abutment 5 and under Gir. A at Abut. 1.
234/4	R/Conc Cap	Minor area of rock pockets on bottom side of Pier 3 cap at right
300/4	Strip Seal Exp Joint	At sleeper slabs. Both are open from 2 inches to 2.25 inches and are filled with sand. R1 corrosion on steel armor.
301/4	Pourable Joint Seal	At abutments. Look good.
321/4	R/Conc Approach Slab	Some light diag. cracks in both.

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Elem/Env	Description	Element Notes
325/4	Slope Prot/Berms	Dirt slopes covered with erosion control netting. Rock lined drain ditch extending from pipe in Abut. 1 slope. Look good.
326/4	Bridge Wingwalls	U-type abutment wings. Look good.
334/4	Metal Rail Coated	35 Inch high galvanized Type Y rail. Looks good.
338/4	Conc Curbs/SW	Typ. light vert. cracks in face and on tops of both.
340/4	Superstr Cnc Coating	On curbs. Peeling on top of curbs.
343/4	Pole Attachment	Two light standards mounted on exterior side of left curb, one at Pier 2, and one at Pier 4. About an 1 inch diam. hole cut in base of light pole at Pier 2.
358/4	Deck Cracking SmFlag	See Element 23 comments.
359/1	Soffit Smart Flag	See Element 23 for comments.
501/4	Channel Cond	Monument Creek. Good alignment. Flows in Span 3, but low flow today. Sandy bed. Bike path in Span 2.
502/4	ChannProtMatCond	Some rock riprap (up to 3 ft. diam.) placed on upstream banks. Looks good.
504/4	BankCond	Lined with willows and other trees upstream.

**Maintenance Activity Summary**

MMS Activity	Description	Recommended	Status	Target Year	Est Cost
354.01	Suprstr	9/11/2008	-1	2011	500

Remove delaminating concrete and patch spall on Girder 1D near Abutment 1.

**Bridge Notes**

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**Inspection Notes**

Time: 1:55    Temperature: 86 Degrees    Weather: P/C    Team Leader: KC

**Scope:**

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

Inspector: BUTKOVICHJ

Inspection Team:

Inspection Date: 08/08/2012

\_\_\_\_\_  
Inspector

\_\_\_\_\_  
Inspector