

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

Highway Number (ON) 5D: 470A 0

Mile Post (ON)11: 17.373 mi

Bridge Name: F-16-WY Inspection Date: 2/27/2013 Sufficiency Rating: 91.2 Not Eligible

NBI Reporting ID:	F-16-WY	Hist Signif 37:	5	UW Inspection Date 93B:	
Rgn/Sectn 2E/2M:	68	Posting status 41:	A	SI Date 93C:	
Trans Region 2T:	02	Service on/un 42A/B:	1 1	Bridge Cost 94:	\$ -1
County Code 3:	035	Main Mat/Desgn 43A/B:	5 03	Roadway Cost 95:	\$ -1
DOUGLAS		Appr Mat/Desgn 44A/B:	0 00	Total Cost 96:	\$ -1
Place Code 4:	45255	Main Spans Unit 45:	1	Year of Cost Estimate 97:	-1
LITTLETON		Approach Spans 46:	0	Brdr Brdg Code/% 98A/B:	
Rte.(On/Under)5A:	1	Horiz Clr 47:	36.0 ft	Border Bridge Number 99:	
Signing Prefix 5B:	3	Max Span 48:	125.0 ft	Defense Highway 100:	1
Level of Service 5C:	7	Str Length 49:	128.0 ft	Parallel Structure 101:	R
Directional Suffix 5E:	0	Curb Wdth L/R 50A/B:	0.0 ft 0.0 ft	Direction of Traffic 102:	1
Feature Intersected 6:		Width Curb to Curb 51:	36.0 ft	Temporary Structure 103:	
ERICKSON BLVD.		Width Out to Out 52:	39.0 ft	Highway System 104:	1
Facility Carried 7:		Deck Area:	4,992. sq. ft	Fed Lands Hiway 105:	0
US 85 TO C470 RAMP		Min Clr Ovr Brdg 53:	99.99	Year Reconstructed 106:	-1
Alias Str No.8A:		Min Undrclr Ref 54A:	H	Deck Type 107:	2
C470 ON RAMP OVER ERICKSON		Min Undrclr 54B:	16.5 ft	Wearing Surface 108A:	5
Pril Str No. 8P		Min Lat Clrnce Ref R 55A:	H	Membrane 108B:	1
F-16-WZ		Min Lat Undrclr R 55B:	8.4 ft	Deck Protection 108C:	2
Location 9:		Min Lat Undrclr L 56:	4.4 ft	Truck ADT 109:	5 %
LITTLETON		Deck 58:	8	Trk Net 110:	1
Max Clr 10:	328.1 ft	Super 59:	8	Pier Protection 111:	1
BaseHiway Net12:	1	Sub 60:	8	NBIS Length 112:	Y
IrsinvRout 13A:	000000470A	Channel/Protection 61:	N	Scour Critical 113:	N
IrrsubRout No13B:	00	Culvert 62:	N	Scour Watch 113M:	
Latitude 16:	39d 33' 49"	Oprrtg Rtg Method 63:	1 LF Load Factr	Future ADT 114:	112,048
Longitude 17:	105d 01' 36"	Operating Rating 64:	69.4	Year of Future ADT 115:	2028
Range18A:		Inv Rtg Method 65:	1	CDOT Str Type 120A:	CPG
Township18B:		Inventory Rating 66:	35.4	CDOT Constr Type 120B:	01
Section18C:		Asph/Fill Thick 66T:	003 "in"	Inspection Indic 122A:	
Detour Length 19:	1.0 mi	Str. Evaluation 67:	7	Inspection Trip 122AA:	
Toll Facility 20:	3	Deck Geometry 68:	7	Inspection Schedule ID:	ODD FEB E14
Custodian 21:	1	Undrclr Vert/Hor 69:	5	Maintenance Patrol 123:	-1
Owner 22:	1	Posting 70:	5	Expansion Dev/Type124:	C
Functional Class 26:	17	Waterway Adequacy 7:	N	Brdg Rail Type/Mod 125A/B:	R 1
Year Built 27:	2012	Approach Alignment 72:	8	Posting Trucks 129A/B/C:	0 0 0
Lanes on 28A:	2	Type of Work 75A:		Str Rating Date 130:	11/30/2009
Lanes Under 28B:	2	Work Done By 75B:		Special Equip 133:	
ADT 29:	75,200	Length of Improvment 76:		Vert Clr N/E 134A/B/C:	X 99.99 0
Year of ADT 30:	2008	Insp Team Indicator 90B:	WHITE TEAM	Vert Clr S/W 135A/B/C:	X 99.99 0
Design Load 31:	0	Inspector Name 90C:	STADIGM	Vertical Clr Date:	
Apr Rdwy Width 32:	36.0 ft	Frequency 91:	24 months	Weight Limit Color: 139:	0
Median 33:	0	FC Frequency 92A:		Str Billing Type:	IIA
Skew 34:	0.00 °	UW Frequency 92B:		Userkey 1 - System:	ONSYS
Structure Flared 35:	0	SI Frequency 92C:		Userkey 7-Update Indic:	
Sfty Rail 36a/b/c/d:	1 1 1 1	FC Inspection Date 93A:			
Rail ht36h:	43 "in"				

Inspector Name: STADIGM

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

Highway Number (ON) 5D: 470A 0

Mile Post (ON)11: **17.373 mi**

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
26/1	Conc Deck/Coatd Bars	(SF)	4,992	100 %	4,992	0 %	0	0 %	0	0 %	0	0 %	0
109/1	P/S Conc Open Girder	(LF)	631	100 %	631	0 %	0	0 %	0	0 %	0	0 %	0
215/1	R/Conc Abutment	(LF)	78	100 %	78	0 %	0	0 %	0	0 %	0	0 %	0
300/1	Strip Seal Exp Joint	(LF)	72	100 %	72	0 %	0	0 %	0	0 %	0	0 %	0
301/1	Pourable Joint Seal	(LF)	72	100 %	72	0 %	0	0 %	0	0 %	0	0 %	0
325/1	Slope Prot/Berms	(EA)	2	100 %	2	0 %	0	0 %	0	0 %	0	0 %	0
326/1	Bridge Wingwalls	(EA)	4	100 %	4	0 %	0	0 %	0	0 %	0	0 %	0
331/1	Conc Bridge Railing	(LF)	256	100 %	256	0 %	0	0 %	0	0 %	0	0 %	0
333/1	Other Bridge Railing	(LF)	256	100 %	256	0 %	0	0 %	0	0 %	0	0 %	0
340/1	Superstr Cnc Coating	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0
341/1	Substr Conc Coating	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0

Elem/Env	Description	Element Notes
26/1	Conc Deck/Coatd Bars	3 Inches of asphalt over a waterproofing membrane. A newer overlay that looks good. Precast concrete deck panels. Panel #2 in Bay A has a light transverse crack.
109/1	P/S Conc Open Girder	5 Each BT63 prestressed girders. New condition. Temporary bracing holes in the top flange corners at A1.
215/1	R/Conc Abutment	Efflor. at the seat joint in Bays 1A, and 1C. Otherwise look good.
300/1	Strip Seal Exp Joint	At approach slabs. Open 1.5 inches at the Rear, and open 1.75 inches at the Forward. Both are sand filled. Longitudinal cracks in the end dams at the Forward joint.
301/1	Pourable Joint Seal	At abutments. Asphalt covered, no cracking in the asphalt.
325/1	Slope Prot/Berms	Concrete paved slopes, with retaining walls at the toes of the slopes. A few light horizontal cracks in the slope pavement. In good condition.
326/1	Bridge Wingwalls	Integral U-shaped abutment wing walls, and sub wing walls. Cracked at horizontal construction joints. One diagonal crack in #2 Right. One vertical crack each, in #1 Right and #1 Left.
331/1	Conc Bridge Railing	Concrete Type R Jersey barrier type railing. Typical vertical cracks. Otherwise looks good.
333/1	Other Bridge Railing	Chain link mesh fencing mounted on top of the concrete barrier. Looks good.
340/1	Superstr Cnc Coating	On railing, overhangs, and outside faces of exterior girders. New condition.
341/1	Substr Conc Coating	On abutment walls, and wing walls. Looks good.

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

Highway Number (ON) 5D: 470A 0

Mile Post (ON)11: 17.373 mi

Bridge Notes

Inspection Notes

TIME: 12:05 TEMP: 30 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: 02/27/2013

Inspector: STADIGM

Inspector (Team Leader)

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

Highway Number (ON) 5D: 470A 0

Mile Post (ON)11: 17.373 mi