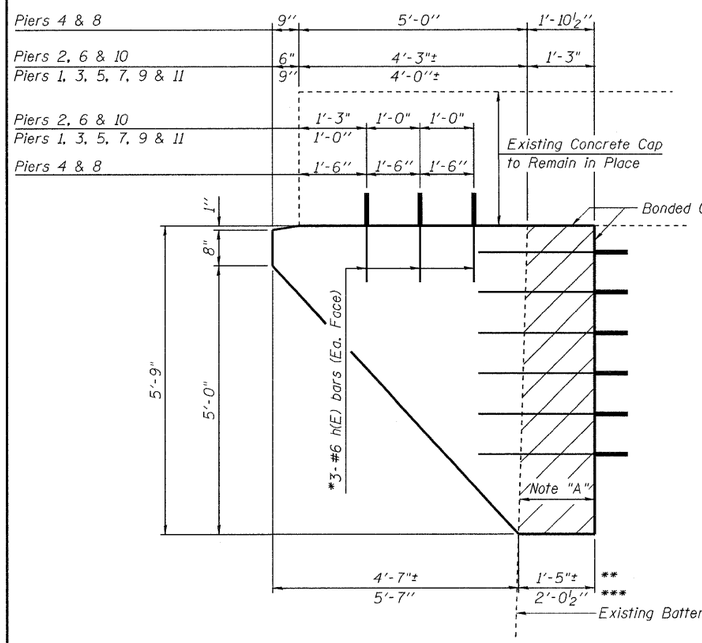
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 55	*	Will	72	54
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

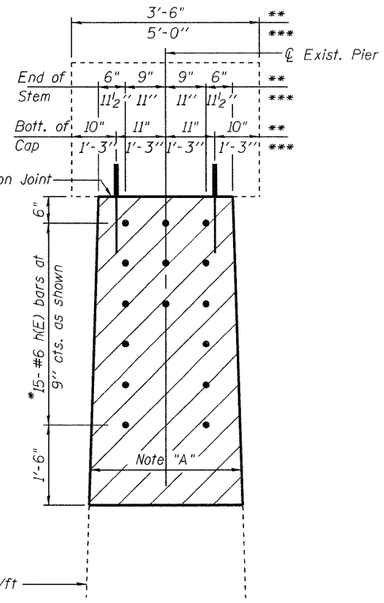
SHEET NO. 7
9 SHEETS

Contract #62930 * 88(B&B-1)BR



ELEVATION

Showing Anchor Bars and Dimensions
(Looking North)



END VIEW

Showing Anchor Bars and Dimensions

**Piers 1, 2, 3, 5, 6, 7, 9, 10 & 11
***Piers 4 & 8

*Epoxy grout h(E) bars into 9" drilled holes. See Section 584 of the Standard Specifications.

Note "A":
Hatched area indicates concrete removal of a portion of the west nose of the existing pier stem. Existing reinforcement in the nose shall be cleaned, straightened and incorporated into the new construction. Cost Included With Concrete Removal.

NOTE:

The Contractor shall take the necessary means to ensure that the concrete between the bottom of the existing cap and the top of the new cantilever support is properly consolidated. The method of consolidation shall be approved by the Engineer.

The Contractor shall take precautions that no live loads be allowed on the outside beam during the concrete removal from the west pier nose and until the proposed concrete has cured.

NOTES:

Existing reinforcement extending into the new construction shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

Any existing reinforcement bars which are intended to be incorporated into the new construction that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.

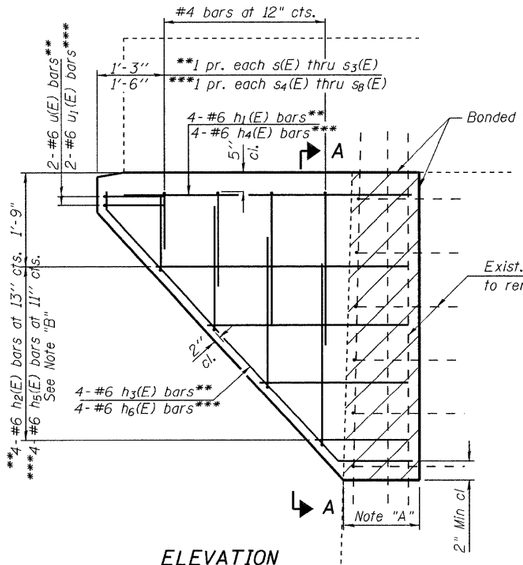
All exposed edges shall have 2" chamfers.

BILL OF MATERIAL
ONE SUPPORT BRACKET
PIERS 4 & 8

Bar	No.	Size	Length	Shape
h(E)	21	#6	3'-0"	
h_4(E)	4	#6	7'-3"	
h_5(E)	4	#6	9'-0"	
h_6(E)	4	#6	9'-6"	
s_4(E)	2	#4	6'-1"	
s_5(E)	2	#4	7'-1"	
s_6(E)	2	#4	7'-11"	
s_7(E)	2	#4	8'-11"	
s_8(E)	2	#4	9'-9"	
u_1(E)	2	#6	7'-4"	
Concrete Removal			Cu. Yd.	1.3
Concrete Structures			Cu. Yd.	4.4
Reinforcement Bars. Epoxy Coated			Lb.	330

BILL OF MATERIAL
ONE SUPPORT BRACKET
PIERS 1, 2, 3, 5, 6, 7, 9, 10 & 11

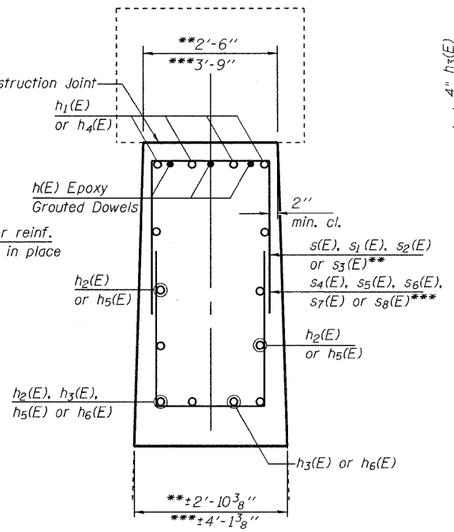
Bar	No.	Size	Length	Shape
h(E)	21	#6	3'-0"	
h_1(E)	4	#6	5'-8"	
h_2(E)	4	#6	6'-10"	
h_3(E)	4	#6	8'-2"	
s(E)	2	#4	4'-10"	
s_1(E)	2	#4	5'-10"	
s_2(E)	2	#4	7'-0"	
s_3(E)	2	#4	8'-0"	
u(E)	2	#6	6'-1"	
Concrete Removal			Cu. Yd.	0.6
Concrete Structures			Cu. Yd.	2.3
Reinforcement Bars. Epoxy Coated			Lb.	270



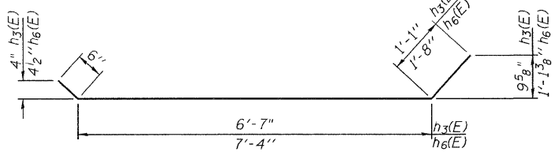
ELEVATION

Showing Reinforcement
(Looking North)

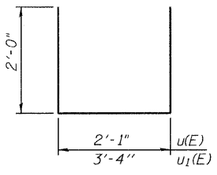
Note "B":
Order bars full length. Cut to fit and use remainder in opposite face.



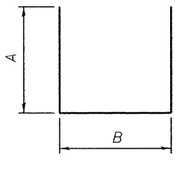
SECTION A-A



BAR h_3(E) or h_6(E)



BAR u(E) & u_1(E)



BARS s(E), s_1(E), s_2(E), s_3(E), s_4(E), s_5(E), s_6(E) s_7(E) & s_8(E)

A & B DIMENSIONS

BAR	A	B
s(E)	1'-4"	2'-2"
s_1(E)	1'-10"	2'-2"
s_2(E)	2'-5"	2'-2"
s_3(E)	2'-11"	2'-2"
s_4(E)	1'-4"	3'-5"
s_5(E)	1'-10"	3'-5"
s_6(E)	2'-3"	3'-5"
s_7(E)	2'-9"	3'-5"
s_8(E)	3'-2"	3'-5"

MIN BAR LAP

#4 bars 1'-4"

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE: CONCRETE BRACKETS AT PIERS

PROJECT: I-55 SB OVER KANKAKEE RIVER
FAI ROUTE 55, SECTION 88(B&B-1)BR
WILL COUNTY
SN 099-0002

PROJECT NO. 03095-16
SCALE
DATE 6/25/09
DRAWN BY TFG
CHECKED BY KPS/MCB
DRAWING NO. 7

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

OF 9 SHTS

PLOT DATE = 6/25/2009
FILE NAME = ...ilgsn-099-0002-sheet-1-concrete-brackets-at-piers.sdgn
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USER NAME = JML