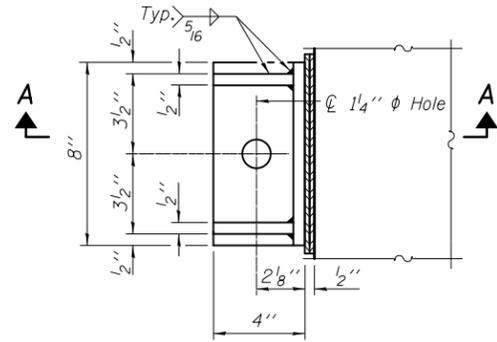


SECTION A-A

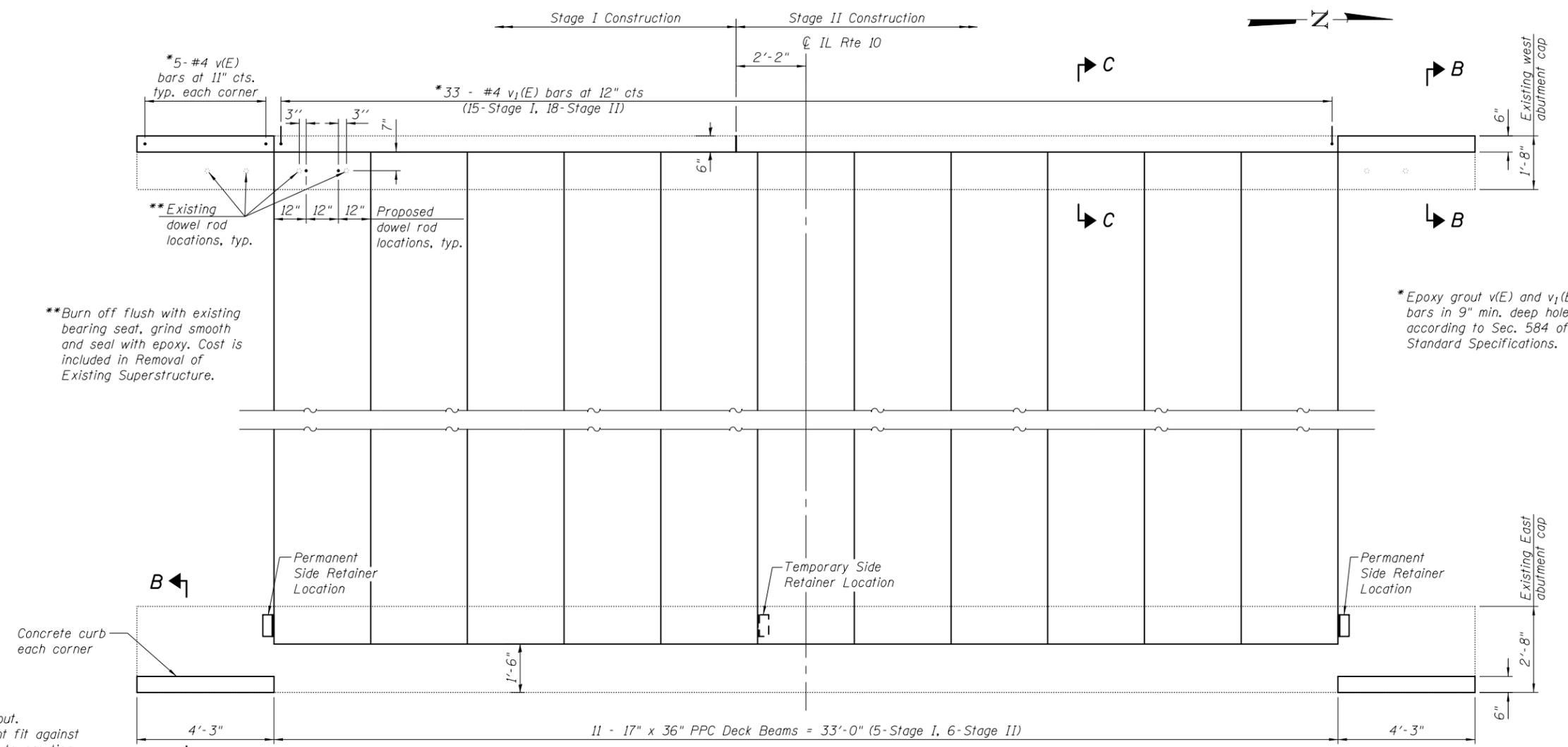


**PLAN
SIDE RETAINER DETAIL**

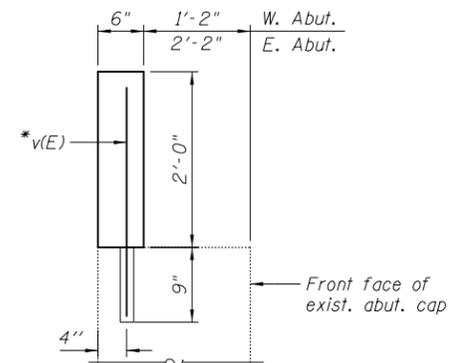
Notes:
 See Plan View on Sheet 11 of 18 for bearing pad layout.
 The side retainers and steel wedges shall have a tight fit against the side of the deck beams and shall be in place prior to grouting the shear keys in each stage.
 The temporary side retainer shall be removed after Stage I concrete overlay is poured and cured. The anchor bolt at the temporary side retainer location shall be burned flush with the existing abutment surface and the surface shall be ground smooth and sealed with epoxy. Cost of temporary side retainer removal is included in Precast Prestressed Concrete Deck Beams (17" Depth).
 After the Stage II concrete overlay is poured and cured, the steel wedges at the permanent side retainer locations shall be removed.
 Cost of anchor bolts and structural steel required for the side retainers shall be included in the cost of the Precast Prestressed Concrete Deck Beams. Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. The side retainers shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM 385. Anchor bolts and plate washers shall be galvanized according to AASHTO M 232.

**Burn off flush with existing bearing seat, grind smooth and seal with epoxy. Cost is included in Removal of Existing Superstructure.

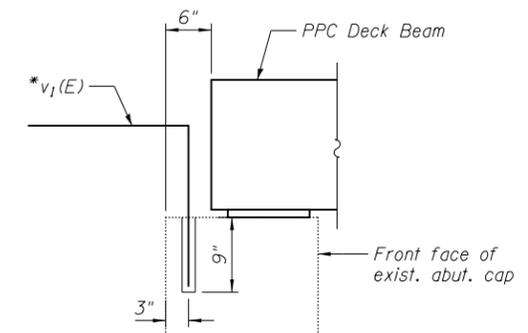
*Epoxy grout v(E) and v₁(E) bars in 9" min. deep holes according to Sec. 584 of the Standard Specifications.



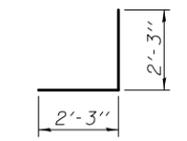
PLAN
(Showing existing abutment caps and proposed deck beams)



SECTION B-B



SECTION C-C



BAR v₁(E)

**TWO ABUTMENTS
BILL OF MATERIALS**

Bar	No.	Size	Length	Shape
v(E)	20	#4	2'-7"	—
v ₁ (E)	33	#4	4'-6"	U
Concrete Structures			Cu. Ft.	0.6
Reinforcement Bars, Epoxy Coated			Lbs.	130

FILE NAME =	USER NAME = keysrb	DESIGNED CME	REVISED -
c:\pwwork\pwwork\keysrb\d0134590\0740003-70432-014-Abut details.dgn		CHECKED GJB	REVISED -
		DRAWN MML	REVISED -
CB PROJECT NO. 08049-7	PLOT DATE = 1/24/2014	CHECKED MCB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT DETAILS
STRUCTURE NO. 074-0003**

SHEET NO. 14 OF 18 SHEETS

CB Coombe-Bloxdorf P.C.
 - CIVIL ENGINEERS-
 - STRUCTURAL ENGINEERS-
 - LAND SURVEYORS-
 Design Firm License No. 184-002703

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(115BR)BR	PIATT	39	25

CONTRACT NO. 70432
ILLINOIS FED. AID PROJECT