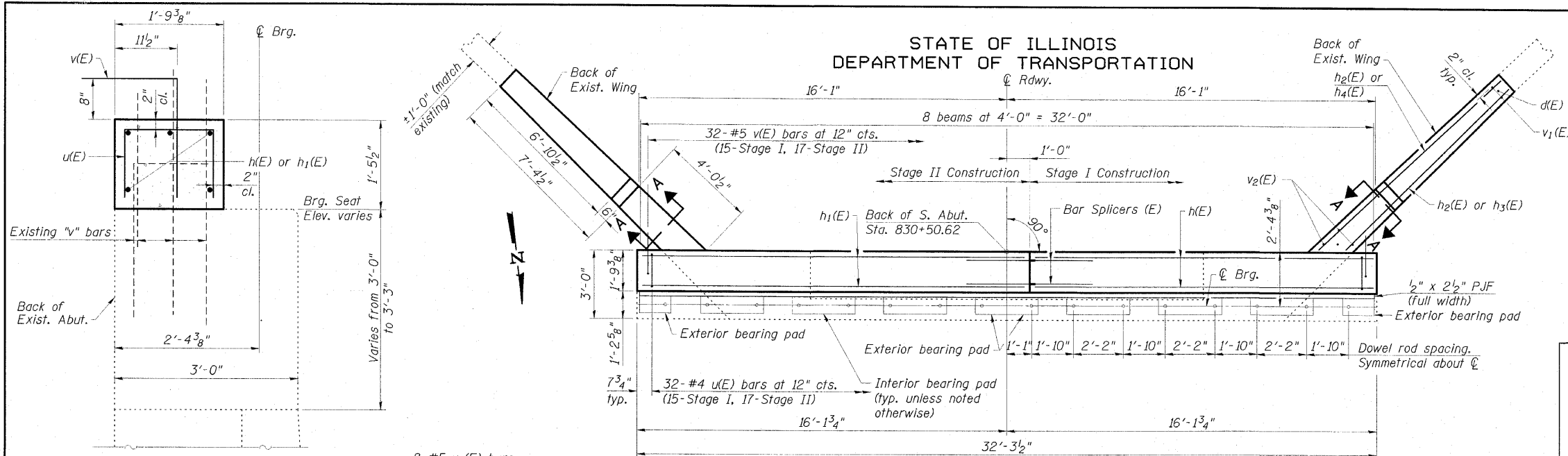
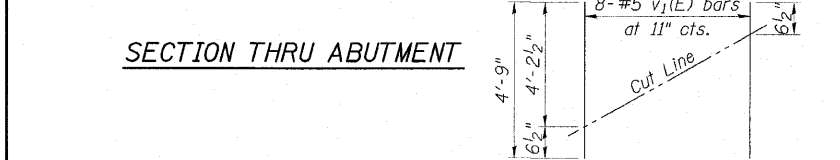


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



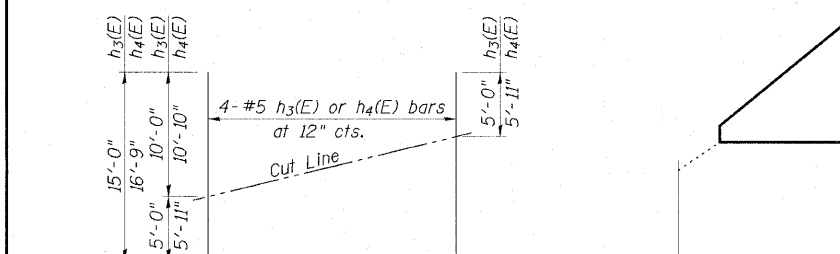
PLAN



SECTION THRU ABUTMENT

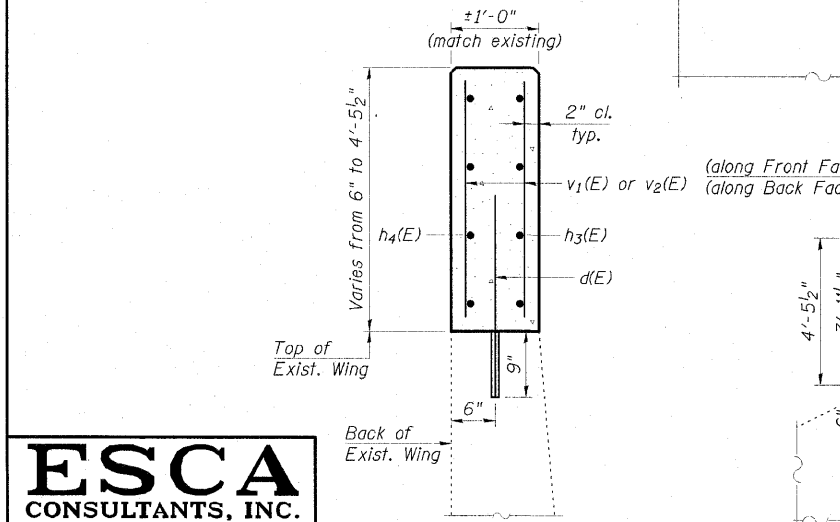
FIELD CUTTING DIAGRAM

Order $v_1(E)$ bars full length. Cut as shown and use remainder of bars in opposite face.



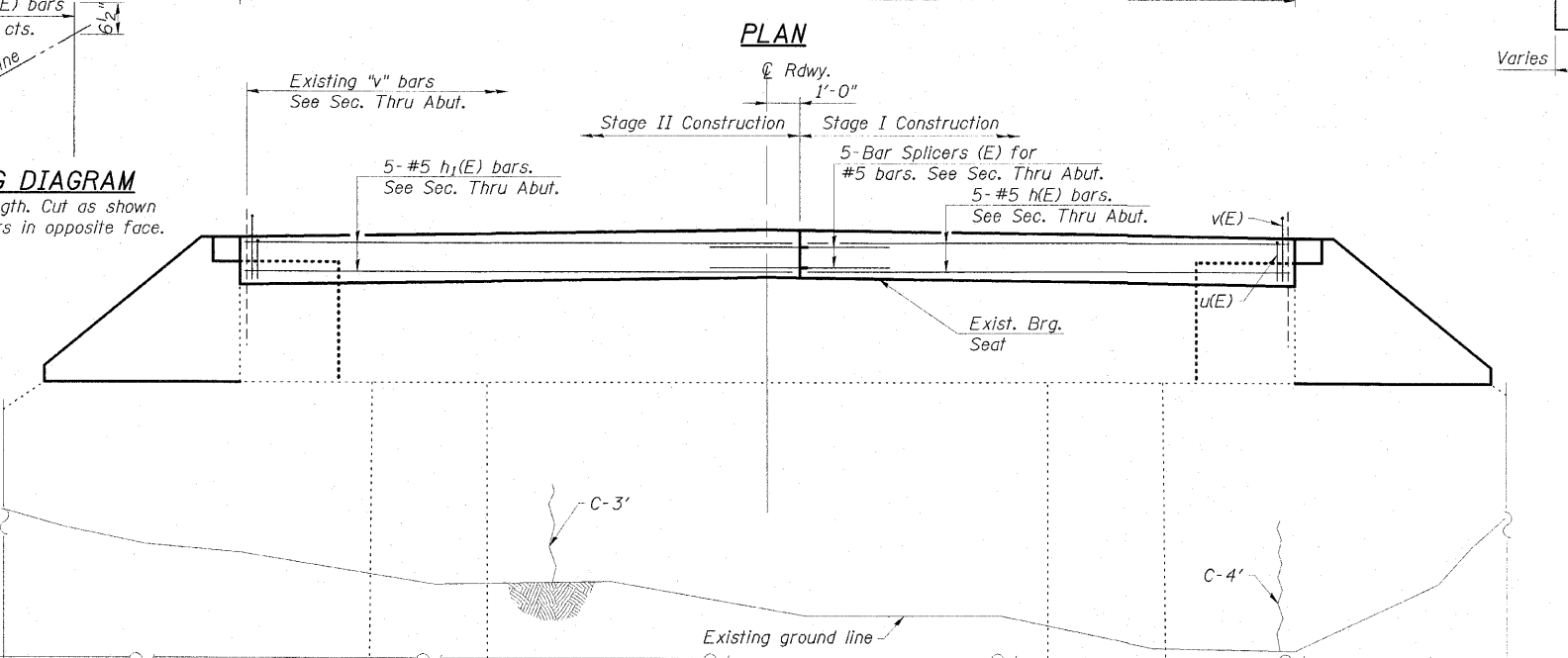
FIELD CUTTING DIAGRAM

Order $h_3(E)$ and $h_4(E)$ bars full length. Cut as shown and use remainder of bars in opposite wing.

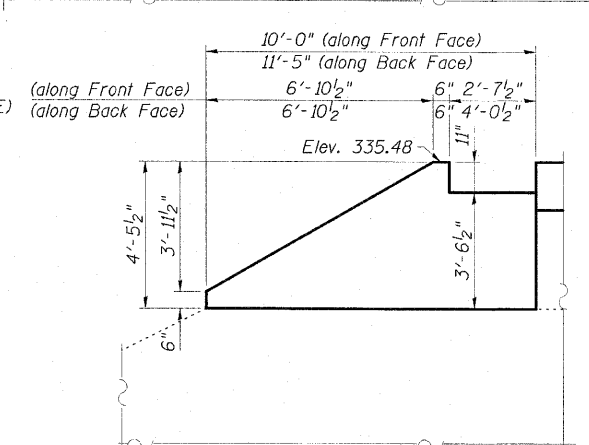


SECTION THRU WING

ESCA
CONSULTANTS, INC.
DESIGNED BY: MTD 01/10
DRAWN BY: DWH/JPC 01/10
CHECKED BY: MTD 01/10
APPROVED BY: RDP 05/10

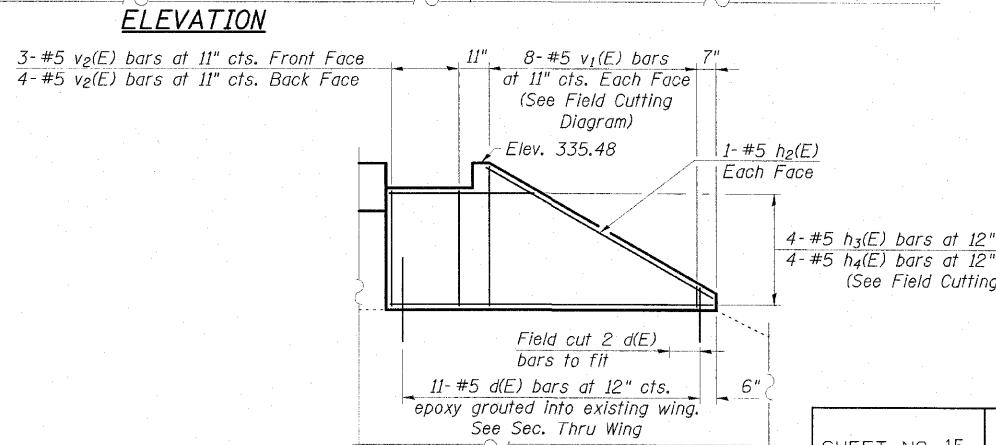


ELEVATION



WEST WING ELEVATION

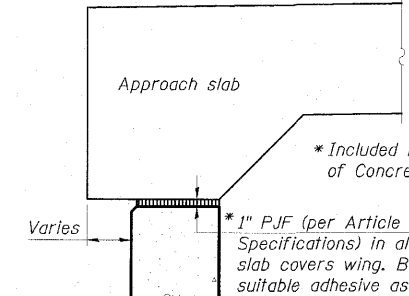
SHOWING DIMENSIONS



EAST WING ELEVATION

SHOWING REINFORCEMENT

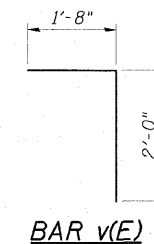
Notes:
End of new deck beams shall be aligned at the abutment. Any variation in the length of the deck beams shall be placed at the pier.
Cast backwall after new deck beams have been erected and concrete wearing surface has been poured.
Backfill required for the stage being constructed shall be placed behind the abutment after the new deck beams have been set, the backwall has been poured, and formwork removed. See Article 502.10 of the Standard Specifications.
For details of Bar Splicers, see sheet 18 of 20.
For drainage treatment details, see sheet 2 of 20.
 $d(E)$ bars shall be epoxy grouted into existing wings according to Section 584 of the Standard Specifications.
Existing bearing seat to be inspected by the Engineer after deck beam removal. Deteriorated concrete areas shall be repaired (estimated 15 sq. ft. Structural Repair of Concrete) and cracks shall be sealed (estimated 20' Epoxy Crack Injection) as required.
Structural Repair of Concrete and Epoxy Crack Injection locations and dimensions are estimated from 06/24/2009 survey work. Actual locations and dimensions shall be shown by the Engineer on the as-built plans for this section.
For bearing pad details, see sheet 12 of 20.



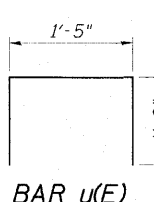
SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$d(E)$	22	#5	2'-6"	—
$h(E)$	5	#5	14'-10"	—
$h_1(E)$	5	#5	16'-10"	—
$h_2(E)$	4	#5	8'-0"	—
$h_3(E)$	4	#5	15'-9"	—
$h_4(E)$	4	#5	16'-9"	—
$u(E)$	32	#4	3'-9"	┌
$v(E)$	32	#5	3'-8"	┌
$v_1(E)$	16	#5	4'-9"	—
$v_2(E)$	14	#5	3'-3"	—
Structure Excavation		Cu. Yd.	27.5	
Concrete Structures		Cu. Yd.	5.6	
Reinforcement Bars, Epoxy Coated		Pound	725	
Epoxy Crack Injection		Foot	27	
Structural Repair of Concrete (Depth Equal to or Less Than 5")		Sq. Ft.	15	



BAR $v(E)$



BAR $u(E)$

REPAIR LEGEND

Inspection Date: 06/24/2009

- C-4' } Epoxy Crack Injection (Crack-Length)
- Structural Repair of Concrete (Depth Equal to or Less Than 5")

**SOUTH ABUTMENT REPAIRS
AND MODIFICATIONS
STRUCTURE NO. 077-0016**

SHEET NO. 15 20 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2936	14BR-1	PULASKI	68	30
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
			CONTRACT NO. 78071		