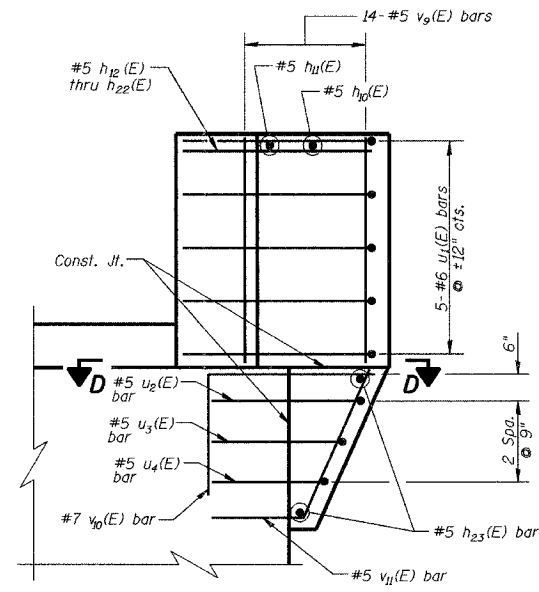
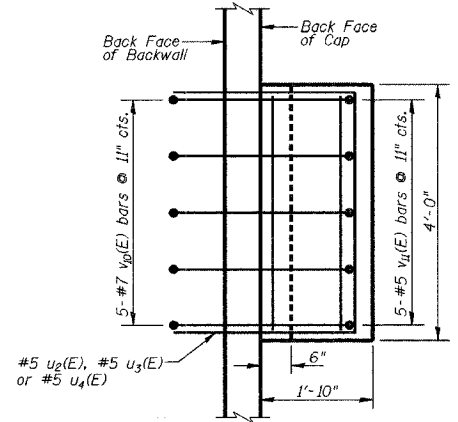


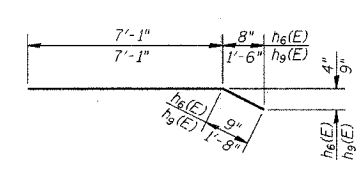
**IMPACT BLOCK REINFORCEMENT**  
(Cut  $u_1(E)$  &  $h_{11}(E)$  bars as required for Stage Const. Joint)



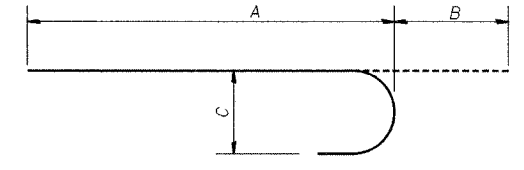
**SECTION C-C**



**SECTION D-D**

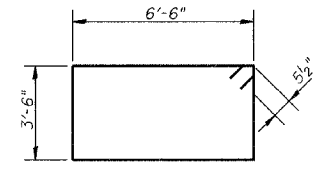


**BARS  $h_6(E)$  &  $h_9(E)$**

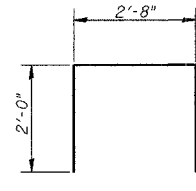


**BARS  $p(E)$ ,  $p_5(E)$  &  $v_5(E)$**

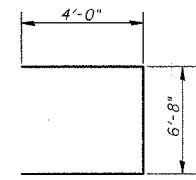
Bar	A	B	C
$p(E)$	19'-2"	10"	7"
$p_5(E)$	22'-2"	10"	7"
$v_5(E)$	9'-9"	1'-5"	1'-14"



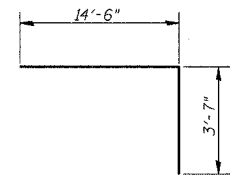
**BAR  $s_1(E)$**



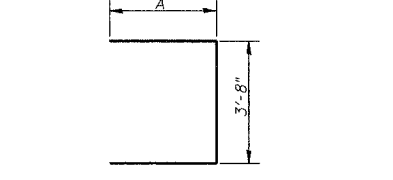
**BAR  $s_2(E)$**



**BAR  $u(E)$**

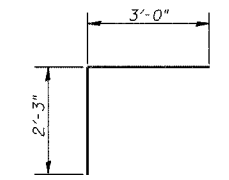


**BAR  $u_1(E)$**

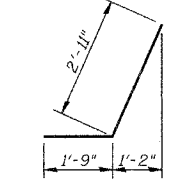


**BARS  $u_2(E)$ ,  $u_3(E)$  &  $u_4(E)$**

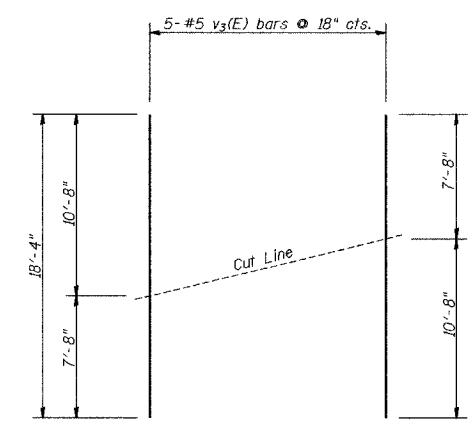
Bar	A
$u_2(E)$	2'-10"
$u_3(E)$	2'-6"
$u_4(E)$	2'-2"



**BAR  $v_0(E)$**

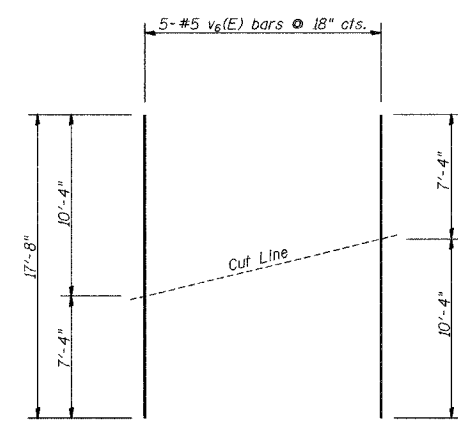


**BAR  $v_{11}(E)$**



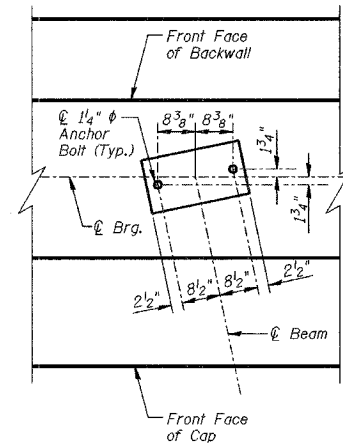
**FIELD CUTTING DIAGRAM**

Order bars full length. Cut bars in field as shown. Use remaining bars in opposite face.



**FIELD CUTTING DIAGRAM**

Order bars full length. Cut bars in field as shown. Use remaining bars in opposite face.



**ANCHOR BOLT LAYOUT**

**SOUTH ABUTMENT  
BILL OF MATERIALS**

Bar	No.	Size	Length	Shape
$h_1(E)$	10	#5	22'-4"	—
$h_2(E)$	4	#5	22'-2"	—
$h_3(E)$	14	#8	9'-0"	—
$h_4(E)$	18	#5	8'-0"	—
$h_5(E)$	4	#5	7'-3"	—
$h_6(E)$	2	#5	7'-9"	—
$h_7(E)$	10	#5	19'-4"	—
$h_8(E)$	4	#5	19'-2"	—
$h_9(E)$	2	#5	8'-9"	—
$h_{10}(E)$	2	#5	7'-7"	—
$h_{11}(E)$	2	#5	12'-5"	—
$h_{12}(E)$	2	#5	3'-4"	—
$h_{13}(E)$	2	#5	3'-2"	—
$h_{14}(E)$	2	#5	2'-11"	—
$h_{15}(E)$	2	#5	2'-9"	—
$h_{16}(E)$	2	#5	2'-6"	—
$h_{17}(E)$	2	#5	2'-4"	—
$h_{18}(E)$	2	#5	2'-1"	—
$h_{19}(E)$	2	#5	1'-11"	—
$h_{20}(E)$	2	#5	1'-8"	—
$h_{21}(E)$	2	#5	1'-6"	—
$h_{22}(E)$	2	#5	1'-3"	—
$h_{23}(E)$	4	#5	3'-8"	—
$p(E)$	10	#7	20'-0"	—
$p_1(E)$	11	#8	19'-2"	—
$p_2(E)$	6	#5	19'-2"	—
$p_3(E)$	11	#8	22'-2"	—
$p_4(E)$	6	#5	22'-2"	—
$p_5(E)$	10	#7	23'-0"	—
$s_1(E)$	27	#5	20'-11"	—
$s_2(E)$	43	#5	6'-8"	—
$sp(E)$	4	#5	55'-0"	—
$u(E)$	10	#8	14'-8"	—
$u_1(E)$	10	#6	18'-1"	—
$u_2(E)$	2	#5	9'-4"	—
$u_3(E)$	2	#5	8'-8"	—
$u_4(E)$	2	#5	8'-0"	—
$v_1(E)$	40	#8	6'-9"	—
$v_2(E)$	40	#5	5'-9"	—
$v_3(E)$	5	#5	18'-4"	—
$v_4(E)$	1	#8	10'-9"	—
$v_5(E)$	1	#5	10'-9"	—
$v_6(E)$	5	#5	17'-8"	—
$v_7(E)$	2	#8	10'-6"	—
$v_8(E)$	2	#5	10'-6"	—
$v_9(E)$	28	#5	4'-0"	—
$v_{10}(E)$	10	#7	5'-3"	—
$v_{11}(E)$	10	#5	4'-8"	—
$v_{12}(E)$	132	#10	55'-0"	—
$v_{13}(E)$	132	#10	11'-2"	—
Structure Excavation	Cu. Yd.	202.5		
Bar Splicer	Each	41		
Concrete Structures	Cu. Yd.	71.0		
Reinforcement Bars Epoxy Coated	Lbs.	52,130		
Concrete Sealer	Sq. Ft.	240		
Drilled Shaft In Soil	Cu. Yd.	230.4		

**SOUTH ABUTMENT DETAILS**

Date	Designed MJJ	CSX TRANSPORTATION R.R. OVER WINTER AVE. MP OZA 12L6 SECTION 99-00209-01-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 5527+59.81 PROP. STR. NO. 092-6039	Sheet No.
Revisions	Drawn BKN		17
	Checked KWB		of 24
	Approved KWB		
Prepared by:	<b>URS</b> 345 East Ash Avenue, Suite B Decatur, IL 62526		URS Job No. 36430866