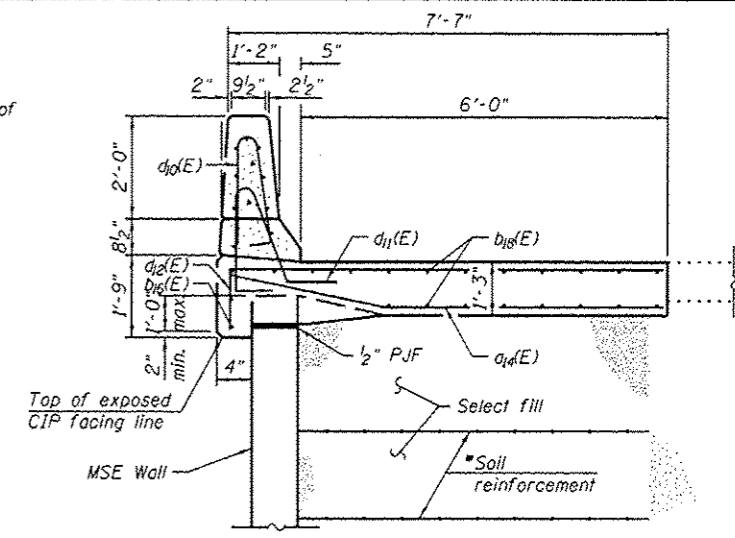


Notes:
 See Sheet 15 of 35 for Views E-E.
 $a_{1d}(E)$ and $a_{11}(E)$ bar spacings measured along $\text{\textcircled{R}}$ Rdwy.
 See Sheet 16 of 35 for Sections G-G, H-H, and I-I.
 Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
 Median to be constructed in Stage II.
 Till #9 $b_{11}(E)$ bars as required to maintain clearance.



*The MSE Wall supplier's internal stability design shall account for the anchorage slab's bearing pressure surcharge of 1.0 ksf and horizontal sliding force of 0.5 kips/ft. of wall

**NORTH APPROACH
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
$a_{1d}(E)$	150	#4	25'-6"	—
$a_{11}(E)$	50	#4	25'-11"	—
$a_{12}(E)$	368	#5	25'-9"	—
$a_{13}(E)$	42	#6	6'-6"	—
$a_{14}(E)$	94	#5	7'-3"	—
$b_{1d}(E)$	74	#4	29'-8"	—
$b_{11}(E)$	220	#9	29'-9"	—
$b_{12}(E)$	1	#4	20'-3"	—
$b_{13}(E)$	1	#4	28'-9"	—
$b_{14}(E)$	3	#4	21'-11"	—
$b_{15}(E)$	17	#5	29'-8"	—
$b_{16}(E)$	48	#4	26'-6"	—
$b_{17}(E)$	1	#5	9'-1"	—
$c(E)$	31	#5	31'-6"	—
$c_1(E)$	62	#5	1'-7"	—
$d_{1d}(E)$	132	#5	5'-7"	—
$d_{11}(E)$	124	#5	7'-11"	—
$d_{12}(E)$	94	#5	8'-6"	—
$e_{11}(E)$	14	#4	11'-1"	—
$e_{12}(E)$	28	#4	15'-0"	—
$e_{13}(E)$	1	#8	22'-7"	—
$e_{14}(E)$	2	#8	33'-4"	—
$e_{15}(E)$	14	#4	16'-3"	—
$e_{16}(E)$	1	#8	32'-10"	—
$e_{17}(E)$	1	#4	22'-7"	—
$e_{18}(E)$	2	#4	31'-9"	—
$e_{20}(E)$	1	#4	32'-10"	—
$f_{1d}(E)$	188	#4	20'-0"	—
$w_{1d}(E)$	320	#5	25'-6"	—
Concrete Superstructure	Cu. Yd.		207	
Concrete Structures	Cu. Yd.		58	
Reinforcement Bars, Epoxy Coated	Pound		44,300	
Reinforcement Bars, Epoxy Coated	Pound		11,030	

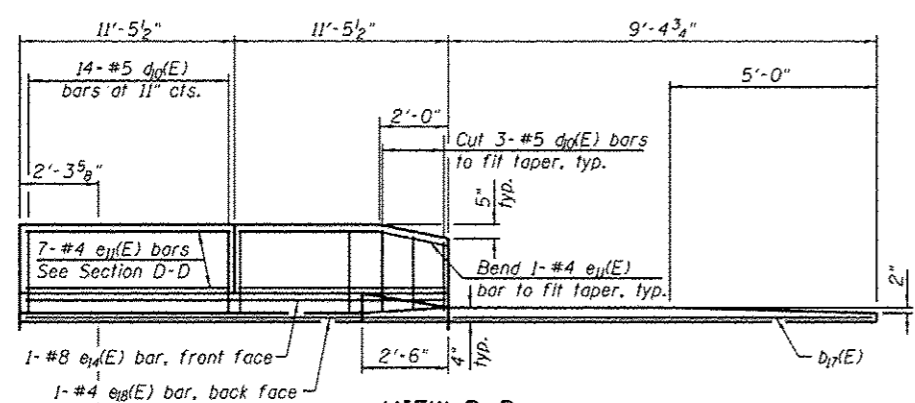
**** Included in Superstructure quantity
 ***** Included in Substructure quantity

MIN. BAR LAP
 (Approach Slab)
 #4 bar = 2'-4"
 #5 bar = 2'-7"

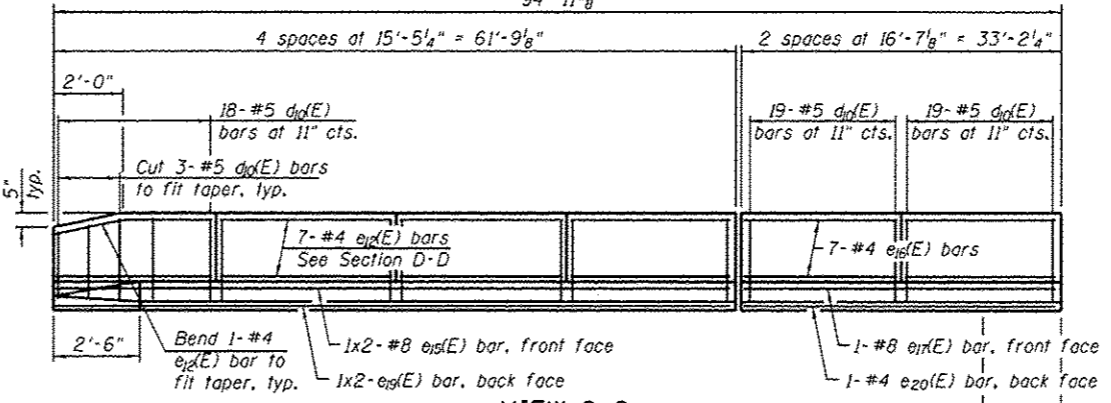
MIN. BAR LAP
 (Parapet)
 #4 bar = 2'-0"
 #8 bar = 5'-2"

NORTH PLAN

- *Lap with $a_{11}(E)$ bars.
- **Space between $a_{1d}(E)$ and $a_{11}(E)$ bars, typ. each parapet.
- ***Rotate to fit $b_{17}(E)$ bars.



VIEW B-B
(Northwest Parapet)



VIEW C-C
(Northeast Parapet)

FILE NAME: S:\JULIEN\BRIDGE\BRIDGE\Structural\Plan\0898015-64C17-814-BAR.dgn

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USER NAME: brianf	DESIGNED: MJD	REVISED: RRD 4/5/2013
DESIGNED: MJD	CHECKED: AJS	REVISED:
DESIGNED: MJD	DRAWN: BJF	REVISED:
DESIGNED: MJD	CHECKED: RRD	REVISED:

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH PAVEMENT (1 OF 3)
STRUCTURE NO. 098-0015**
 SHEET NO. 14 OF 35 SHEETS

F.A.P. RTE. 646	SECTION 101 BR-3	COUNTY WHITESIDE	TOTAL SHEETS 113	SHEET NO. 70
CONTRACT NO. 64C17				ILLINOIS FED. AID PROJECT