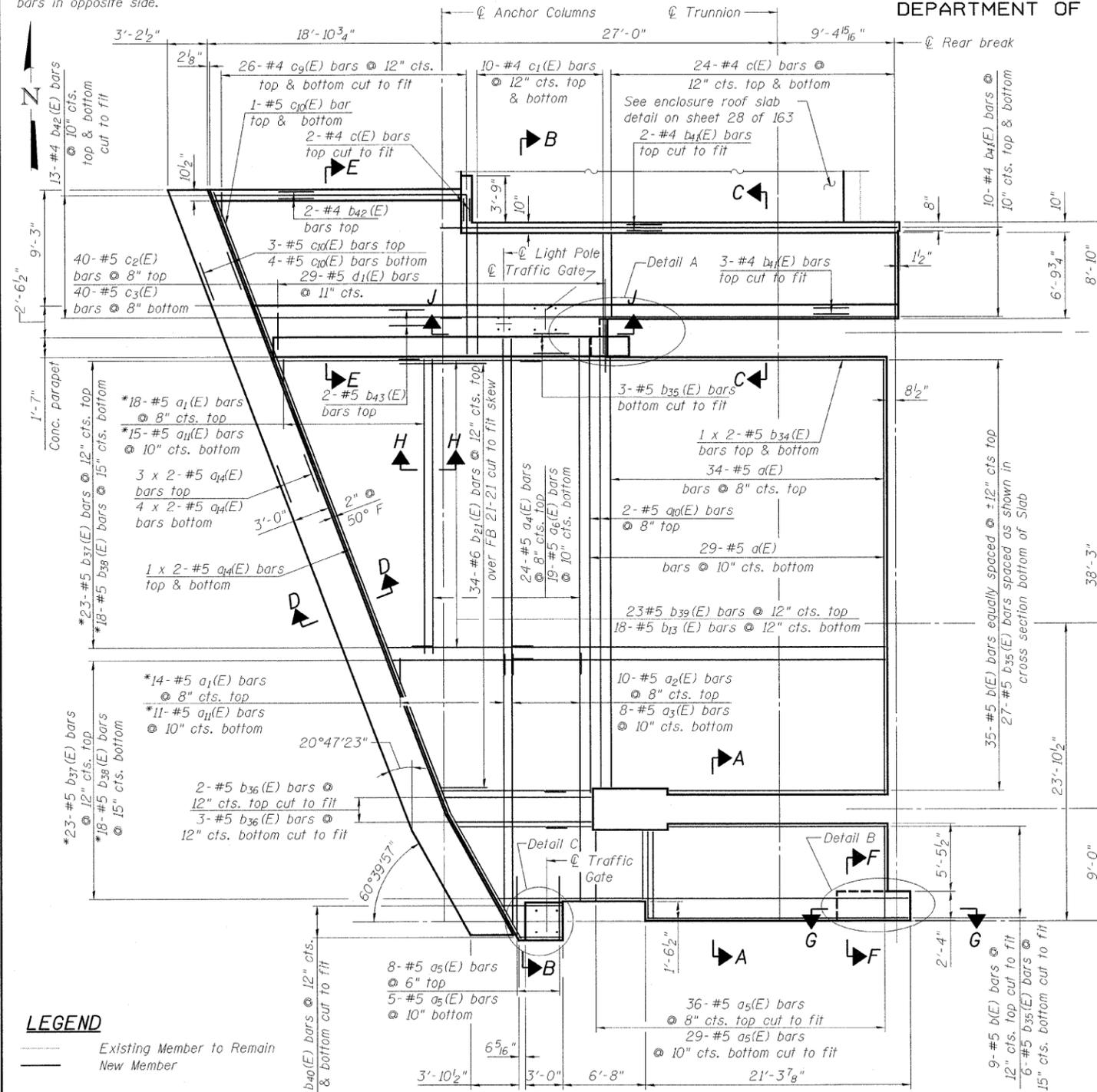


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

* Order a₁(E), a₁₁(E), b₃₇(E), b₃₉(E) bars full length.
Cut to fit skew and use remainder of
bars in opposite side.



LEGEND

Existing Member to Remain
New Member

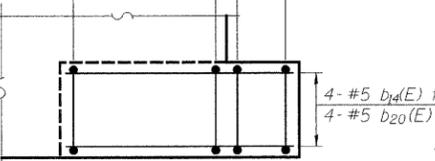
MINIMUM BAR LAP
(Slab)

#5 bar = 1'-8"

DESIGNED	M. SHAIKH
CHECKED	J. GRAINAWI
DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

Notes:
See sheet 20 of 163 for Section C-C.
See sheet 29 of 163 for Detail A.
See sheet 26 of 163 for concrete parapet.
See sheet 22 of 163 for Section F-F, G-G & H-H.
Bars indicated thus 1 x 3 - #5 etc. indicates
1 line of bars with 3 lengths per line.
Dimensions are based on a Rolled Rail Strip Seal Joint.
If the Contractor elects to use the Welded Rail Strip Seal
Joint, deck dimensions may require adjustments to satisfy
the details on Sheet 32 of 163.

PLAN



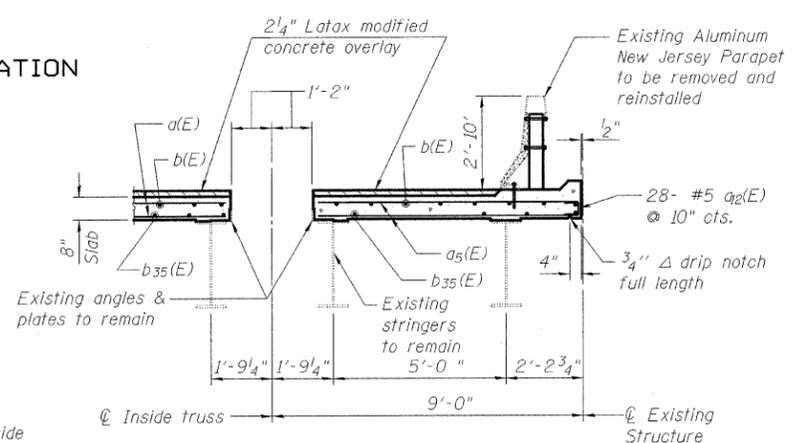
DETAIL B

(Place reinforcement to miss anchor bolts & opening)

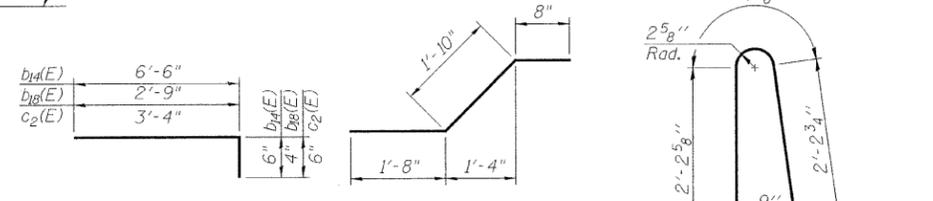
**NORTHWEST APPROACH SLAB
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	63	#5	34'-10"	
a ₁ (E)	14	#5	26'-6"	
a ₂ (E)	10	#5	24'-6"	
a ₃ (E)	8	#5	26'-5"	
a ₄ (E)	24	#5	23'-10"	
a ₅ (E)	78	#5	7'-6"	
a ₆ (E)	19	#5	22'-10"	
a ₁₀ (E)	2	#5	36'-5"	
a ₁₁ (E)	11	#5	28'-2"	
a ₁₂ (E)	55	#5	2'-1"	
a ₁₄ (E)	18	#5	27'-0"	
b(E)	44	#5	30'-0"	
b ₃ (E)	18	#5	10'-9"	
b ₄ (E)	4	#5	7'-0"	
b ₁₇ (E)	188	#5	2'-2"	
b ₁₈ (E)	124	#5	3'-1"	
b ₂₀ (E)	4	#5	6'-4"	
b ₂₁ (E)	34	#6	10'-9"	
b ₃₄ (E)	2	#5	25'-5"	
b ₃₅ (E)	36	#5	29'-0"	
b ₃₆ (E)	5	#5	11'-11"	
b ₃₇ (E)	23	#5	13'-0"	
b ₃₈ (E)	18	#5	17'-0"	
b ₃₉ (E)	23	#5	10'-6"	
b ₄₀ (E)	8	#5	4'-3"	
b ₄₁ (E)	25	#4	36'-8"	
b ₄₂ (E)	28	#4	20'-6"	
b ₄₃ (E)	2	#5	27'-3"	
b ₄₄ (E)	4	#5	2'-9"	
c(E)	50	#4	7'-1"	
c ₁ (E)	20	#4	10'-2"	
c ₂ (E)	40	#5	3'-10"	
c ₃ (E)	40	#5	4'-2"	
c ₉ (E)	52	#4	12'-9"	
c ₁₀ (E)	9	#5	14'-0"	
d(E)	33	#5	5'-7"	
d ₁ (E)	29	#5	7'-8"	
d ₂ (E)	2	#5	3'-4"	
e(E)	7	#4	14'-8"	
e ₁ (E)	1	#8	13'-0"	
e ₂ (E)	8	#5	6'-0"	
e ₉ (E)	7	#4	13'-5"	
e ₁₀ (E)	1	#8	13'-5"	
s ₂ (E)	4	#4	9'-1"	
s ₃ (E)	62	#4	3'-1"	
s ₄ (E)	48	#4	1'-8"	
s ₅ (E)	7	#4	3'-9"	
s ₆ (E)	4	#4	6'-11"	
s ₇ (E)	4	#4	6'-5"	
s ₈ (E)	4	#4	2'-11"	
Reinforcement Bars, Epoxy Coated	Pound	14210		
Concrete Superstructure	Cu. Yd.	75		
Latex Bridge Deck Concrete Overlay, 2 1/4"	Sq. Yd.	204.6		
Bridge Deck Grooving	Sq. Yd.	195		
Protective Coat	Sq. Yd.	339		

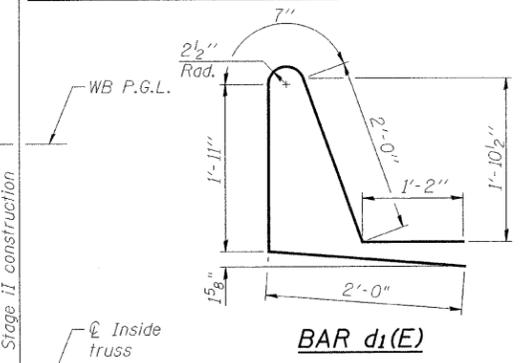
**SUPERSTRUCTURE
NORTHWEST FIXED SPANS
STRUCTURE NO. 016-2445**



SECTION A-A



BAR b₁₄(E), b₁₈(E) & c₂(E) BAR c₃(E)

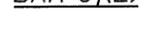


BAR d₁(E)

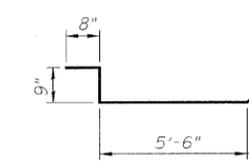
BAR s₂(E), s₃(E) & s₆(E)



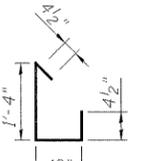
BAR s7(E)



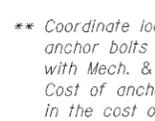
BARS a2(E) & s4(E)



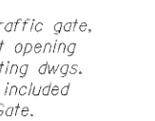
BAR s5(E)



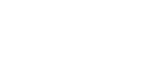
BAR b17(E)



BAR b20(E)



BAR s8(E)



** Coordinate location of traffic gate,
anchor bolts and conduit opening
with Mech. & Rdwy. lighting dwgs.
Cost of anchor bolts is included
in the cost of Traffic Gate.

PB Americas, Inc.
230 WEST MONROE STREET,
SUITE 900
CHICAGO, IL. 60606

SHEET NO. 25	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
163 SHEETS	389	2424.2B-R	COOK	398	106
			CONTRACT NO.	60D61	
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					