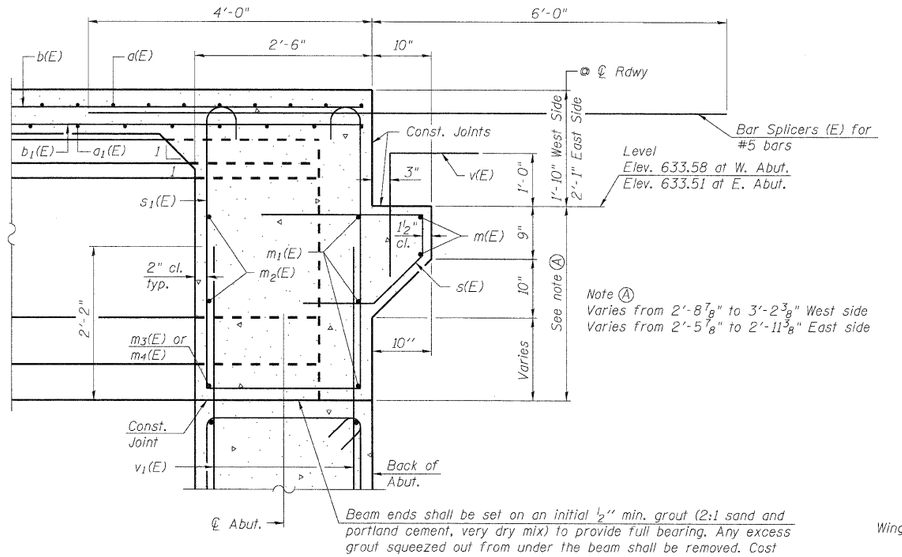


Note Ⓐ
Varies from 2'-8 7/8" to 3'-2 3/8" West side
Varies from 2'-5 7/8" to 2'-11 3/8" East side

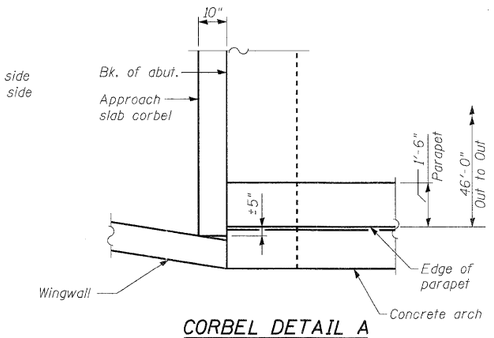
Beam ends shall be set on an initial ½" min. grout (2:1 sand and portland cement, very dry mix) to provide full bearing. Any excess grout squeezed out from under the beam shall be removed. Cost included with Concrete Structures.

SECTION A-A

MIN. BAR LAP

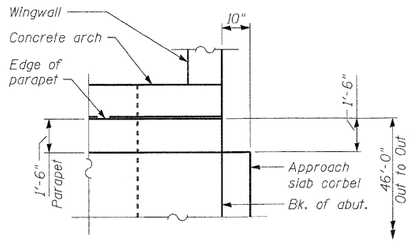
#6 bar = 3'-4"

Notes:
Concrete in diaphragm is included with Concrete Superstructure.
The $s(E)$ and $s_1(E)$ bars shall be placed parallel to the beams.
Spacing for these bars shall be at right angles to the beams.



CORBEL DETAIL A

SW end of Corbel to extend to back face of SW Wingwall.



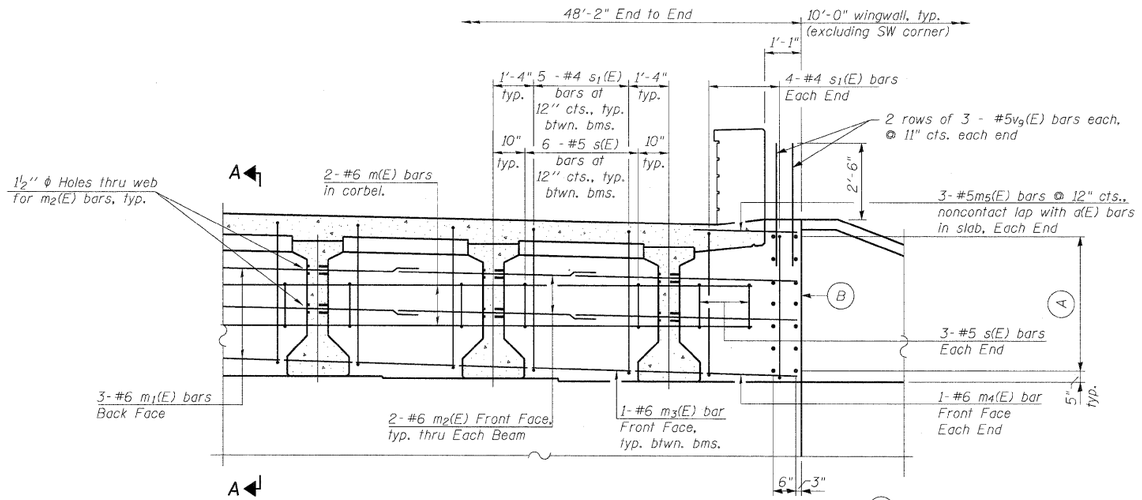
CORBEL DETAIL B

Notch required for traffic barrier terminal, Type 6, typ. for NW, NE & SE corners.

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	116	#5	45'-4"	
a_1(E)	87	#5	44'-4"	
a_2(E)	116	#6	4'-6"	
a_3(E)	16	#5	1'-6"	
b(E)	147	#5	25'-8"	
b_1(E)	72	#5	37'-2"	
d(E)	144	#4	5'-1"	
d_1(E)	192	#5	4'-1"	
e(E)	80	#4	17'-8"	
m(E)	4	#6	43'-2"	
m_1(E)	6	#6	47'-10"	
m_2(E)	28	#6	10'-0"	
m_3(E)	12	#6	4'-6"	
m_4(E)	4	#6	2'-10"	
m_5(E)	12	#5	3'-5"	
s(E)	84	#5	5'-0"	
s_1(E)	76	#4	11'-4"	
v(E)	86	#5	3'-4"	
v_9(E)	24	#5	3'-9"	

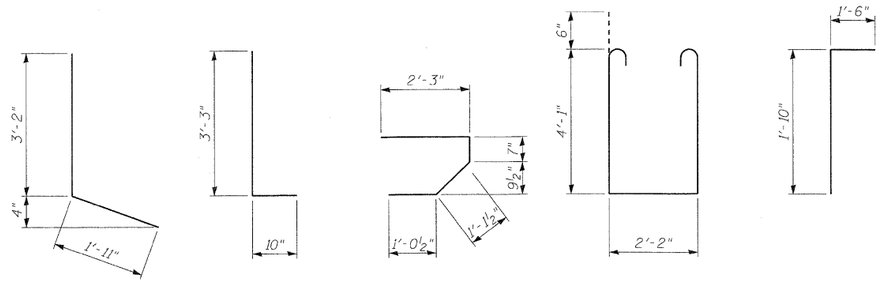
Item	Unit	Quantity
Concrete Superstructure	Cu. Yd.	149.8
Reinforcement Bars, Epoxy Coated	Pound	21950
Bar Splicers	Each	142
Bridge Deck Grooving	Sq. Yd.	344
Protective Coat	Sq. Yd.	436
Name Plates	Each	1
Formliner Textured Surface	Sq. Ft.	664
Concrete Surface Color Treatment	Sq. Ft.	664



DIAPHRAGM ELEVATION AT ABUTMENT

(A) 2 columns of 7 bar splicers (E) each at 7½" cts., for #6h_2(E) and #6h_4(E) bars, each end. Coordinate with Sheet 21 of 24.

(B) Provide stainless steel masonry ties at 1'-6" maximum centers on all surfaces that have stone veneer (ends of diaphragm, etc.) See Sheet 21 of 24.



BAR d(E) BAR d_1(E) BAR s(E) BAR s_1(E) BAR v(E)

LONCO, INC. CONSULTING ENGINEERS 1560 WALL ST, SUITE 222 NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100		DESIGNED - MJM	REVISED -	
		CHECKED - WHE	REVISED -	
		DRAWN - SLV	REVISED -	
		CHECKED - MJM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS (2 OF 2)
STRUCTURE NO. 016-2831
SHEET NO. 10 OF 24 SHEETS

OR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
213	0102B-1	COOK	54	24
	D-91-052-02	CONTRACT NO. 62390		
	ILLINOIS FED. AID PROJECT			