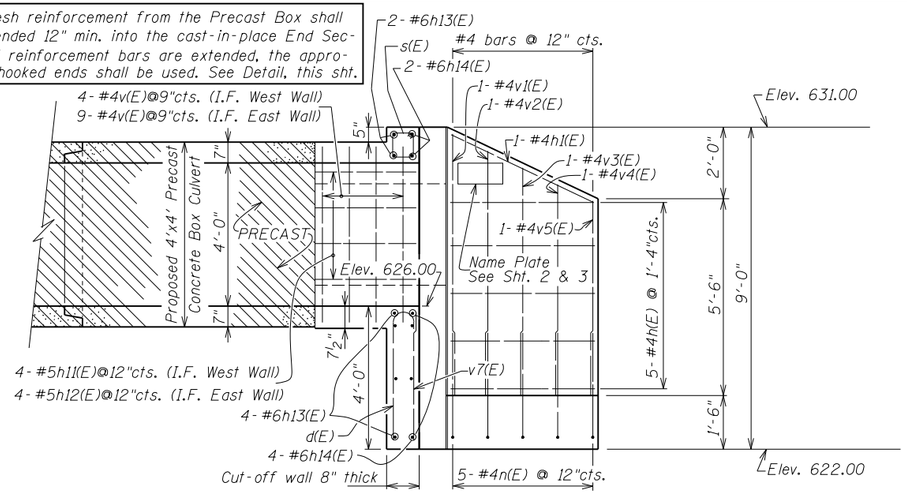
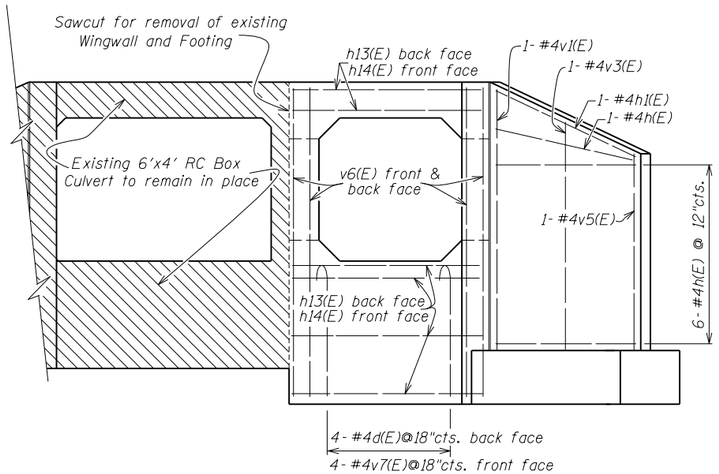
Wire mesh reinforcement from the Precast Box shall be extended 12" min. into the cast-in-place End Section. If reinforcement bars are extended, the appropriate hooked ends shall be used. See Detail, this sht.



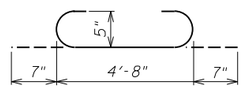
REINFORCEMENT
BACK FACE WINGWALL

SECTION A-A

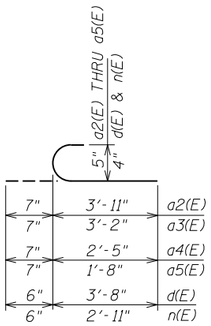


ELEVATION

REINFORCEMENT
FRONT FACE WINGWALL



BAR a1(E)



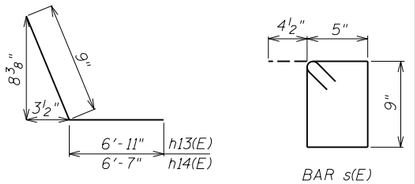
BARS a2(E) THRU a5(E).
d(E) & n(E)

NOTES

Class SI Concrete shall be used throughout.

Reinforcement Bars shall conform to the requirements of A.A.S.H.T.O. M-31 or M-322, Grade 60.

All exposed edges of concrete shall be beveled $\frac{3}{4}$".

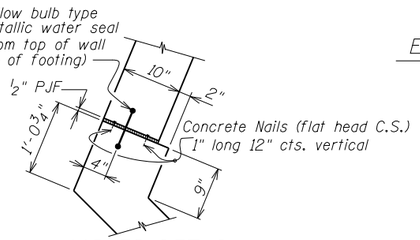


BARS h13(E) & h14(E)

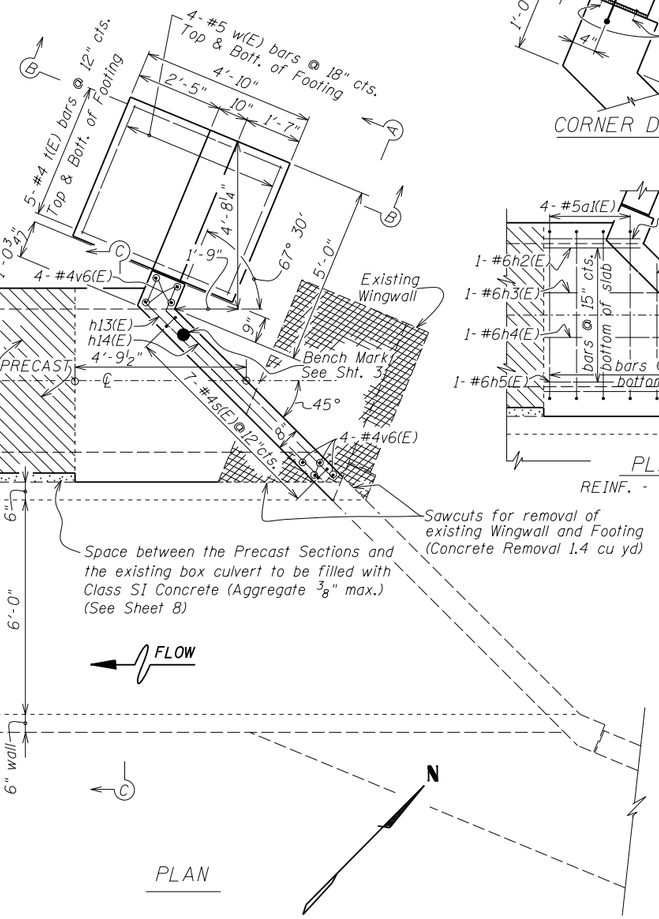
BAR s(E)

I.F. = Inside Face	DESIGN STRESSES
O.F. = Outside Face	fy = 60,000 p.s.i.
E.F. = Each Face	f'c = 3,500 p.s.i.
F.F. = Front Face	
B.F. = Back Face	

MAX. SOIL PRESSURE = 2075 Lbs. per sq. ft.
LOADING HL-93
DESIGN SPECIFICATIONS
2012 AASHTO LRFD Bridge Design Specifications

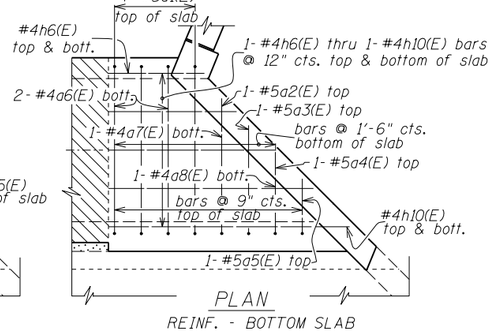


CORNER DETAIL

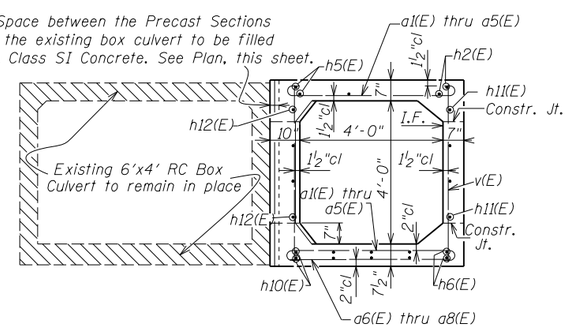


PLAN

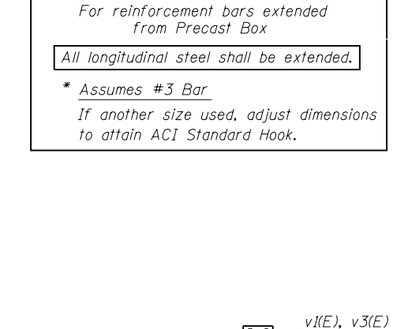
PLAN
REINF. - TOP SLAB



PLAN
REINF. - BOTTOM SLAB



SECTION C-C



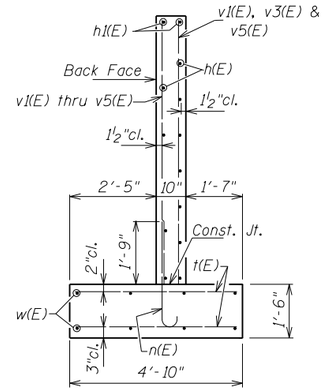
BAR DETAIL

For reinforcement bars extended from Precast Box

All longitudinal steel shall be extended.

* Assumes #3 Bar

If another size used, adjust dimensions to attain ACI Standard Hook.



SECTION B-B

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	8	#5	5'-10"	
a2(E)	2		4'-6"	
a3(E)	2		3'-9"	
a4(E)	2		3'-0"	
a5(E)	2	#5	2'-3"	
a6(E)	2	#4	4'-8"	
a7(E)	1	#4	3'-11"	
a8(E)	1	#4	2'-5"	
d(E)	4	#4	4'-2"	
h(E)	12	#4	3'-11"	
h1(E)	2	#4	4'-4"	
h2(E)	2	#6	2'-8"	
h3(E)	1		4'-0"	
h4(E)	1		5'-3"	
h5(E)	2	#6	6'-5"	
h6(E)	2	#4	2'-8"	
h7(E)	2		3'-7"	
h8(E)	2		4'-8"	
h9(E)	2		5'-9"	
h10(E)	2	#4	6'-9"	
h11(E)	4	#5	2'-10"	
h12(E)	4	#5	6'-7"	
h13(E)	6	#6	7'-8"	
h14(E)	6	#6	7'-4"	
n(E)	5	#4	3'-5"	
s(E)	7	#4	3'-1"	
t(E)	10	#4	4'-7"	
v(E)	13	#4	4'-11"	
v1(E)	2		7'-3"	
v2(E)	1		6'-9"	
v3(E)	2		6'-4"	
v4(E)	1		5'-10"	
v5(E)	2		5'-4"	
v6(E)	8		8'-8"	
v7(E)	4	#4	3'-8"	
w(E)	8	#5	4'-0"	

CONCRETE REMOVAL	CU YD	1.4
REINFORCEMENT BARS, EPOXY COATED	POUND	600
CONCRETE BOX CULVERTS	CU YD	5.2
NAME PLATES	EACH	1

Reinforcement bars designated (E) shall be epoxy coated.

FR-399

Designed By GMS Checked By TMW
Drawn By S.I.N. 3-11-97 Checked By RLP
12/13/2012 5:26:05 PM
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