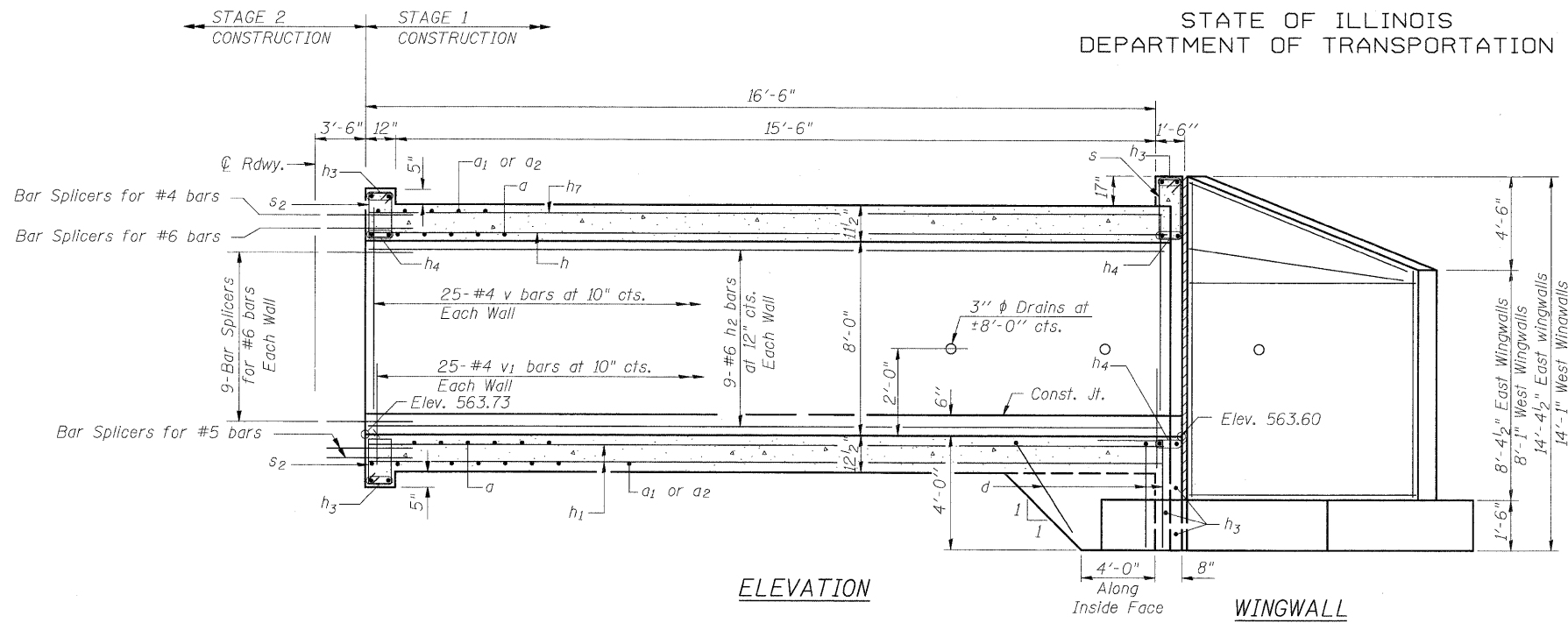


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

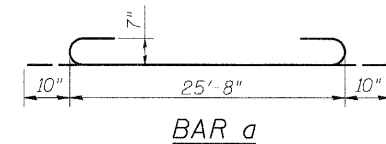


ELEVATION

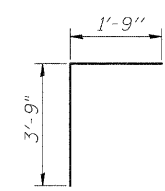
Dimensions are at Right Angles to \varnothing Roadway

WINGWALL

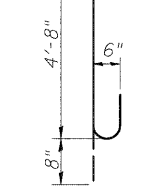
(See Sheet 5 of 9 for Reinforcement Details)



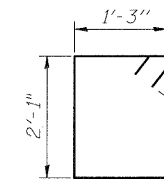
BAR a



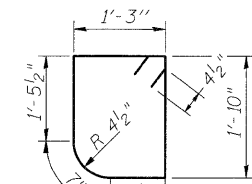
BAR d



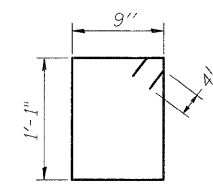
BARS n(E)



BAR s
(Down Stream)



BAR s1
(Up Stream)

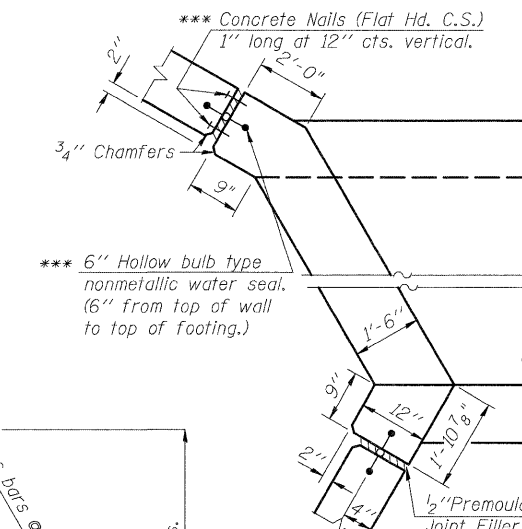


BAR s2
(Stage Headwall)

Notes:
Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

BILL OF MATERIAL

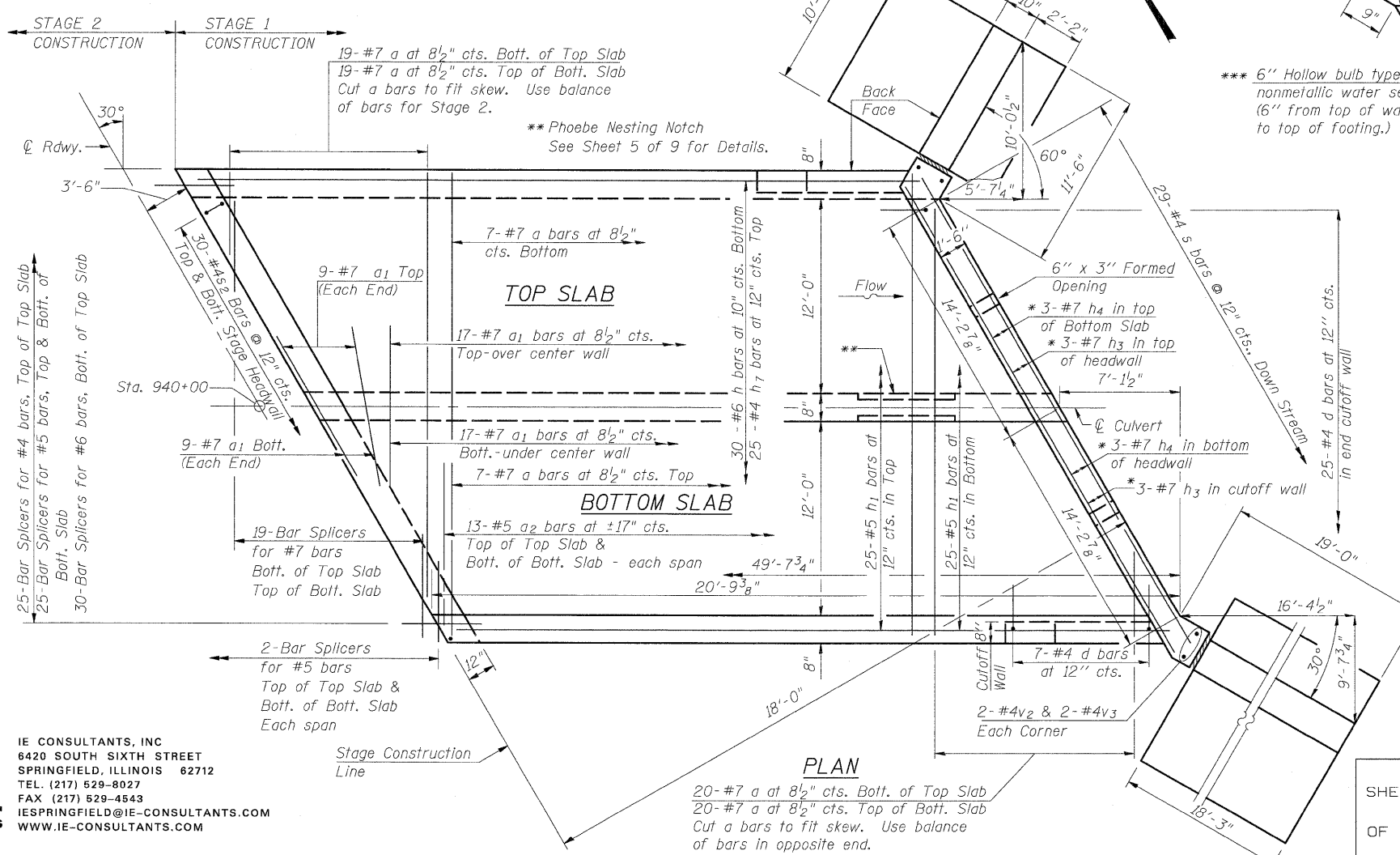
Bar	No.	Size	Length	Shape
a	130	#7	27'-4"	
a1	166	#7	11'-0"	
a2	132	#5	9'-1"	
d	78	#4	5'-6"	
h	30	#6	20'-6"	
h1	50	#5	20'-6"	
h2	27	#6	20'-6"	
h3	18	#7	28'-2"	
h4	18	#7	29'-8"	
h5	38	#4	10'-6"	
h6	38	#4	18'-0"	
h7	25	#4	20'-6"	
h8	30	#6	28'-6"	
h9	50	#5	28'-6"	
h10	27	#6	28'-6"	
h11	25	#4	28'-6"	
n(E)	70	#6	5'-4"	
s	29	#4	7'-5"	
s1	29	#4	6'-9"	
s2	60	#4	4'-5"	
t	136	#4	6'-5"	
v	180	#4	8'-3"	
v1	180	#4	2'-8"	
v2	8	#4	9'-11"	
v3	8	#4	5'-8"	
v4	20	#4	7'-6"	
v5	10	#4	8'-3"	
v6	20	#4	9'-3"	
v7	20	#4	10'-6"	
v8	20	#4	12'-6"	
w	20	#5	18'-0"	
w1	20	#5	10'-6"	
Concrete Box Culverts			Cu. Yd.	177.8
Reinforcement Bars, Epoxy Coated			Pound	570
Reinforcement Bars			Pound	26,570
Bar Splicers			Each	178



CORNER DETAIL

*** (Cost of all items shall be included in the cost of Concrete Box Culverts.)

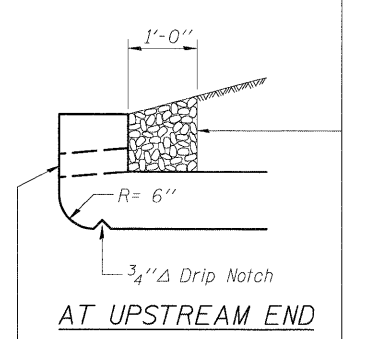
* Typical each end and Stage Headwall.



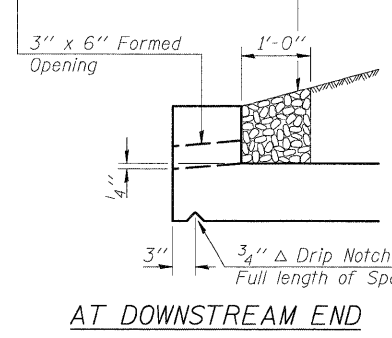
PLAN

20-#7 a at 8 1/2" cts. Bott. of Top Slab
20-#7 a at 8 1/2" cts. Top of Bott. Slab
Cut a bars to fit skew. Use balance of bars in opposite end.

Coarse aggregate full length of both headwalls. To be placed by Grading Contractor. Cost included with Concrete Box Culverts.



AT UPSTREAM END



AT DOWNSTREAM END

DRAIN DETAIL

DESIGNED	SCD
CHECKED	DRB
DRAWN	THW
CHECKED	



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STAGE 1 CULVERT DETAILS
S.N. 026-2020

SHEET NO. 4 OF 9 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	114B-1(1) & 114B-1(2)	FAYETTE	54	22
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		CONTRACT NO. 74110	