

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

(Back)
5-#5 h₃ bars at 9" cts. Short Wing
5-#9 h₇ bars at 9" cts. Long Wing

(Front)
10-#5 h₃ bars at 9" cts. Short Wing
10-#9 h₇ bars at 9" cts. Long Wing

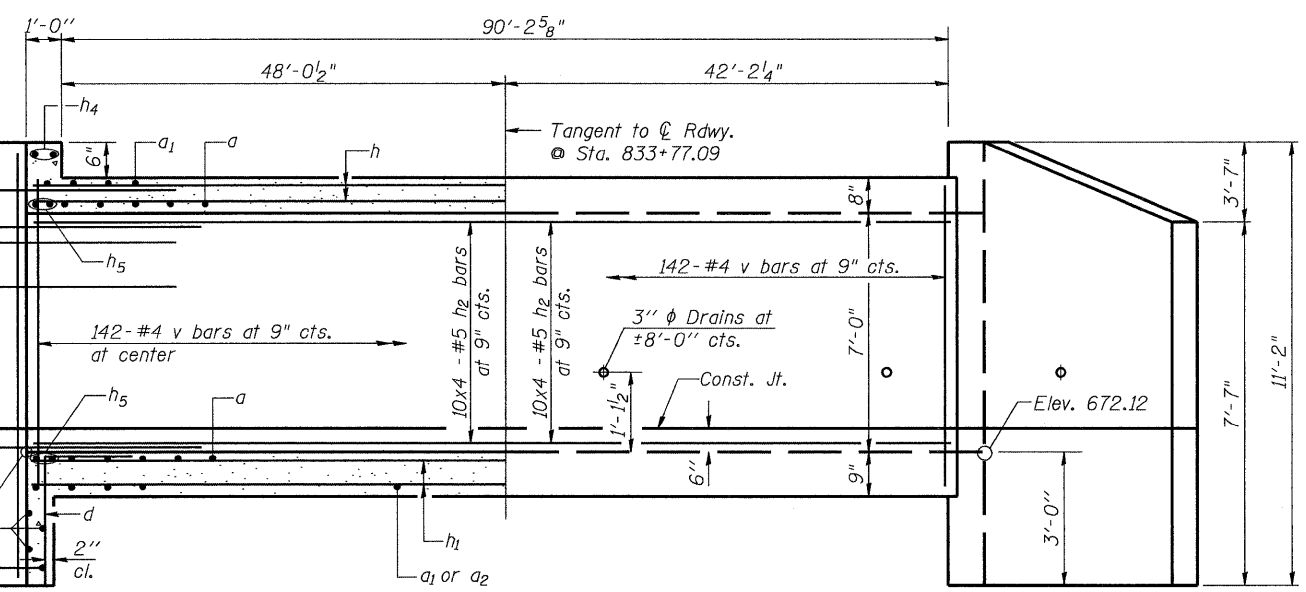
Bend in Field, typ.

Long Wing
Short Wing

10-#9 h₆ bars at 9" cts.
10-#5 h₈ bars at 9" cts.

(Back)
(Back)

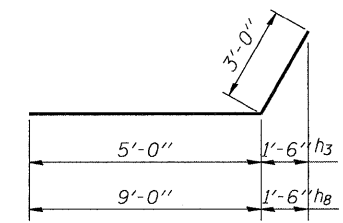
4-#4 v₁ bars
Ea. Wing
See Plan View



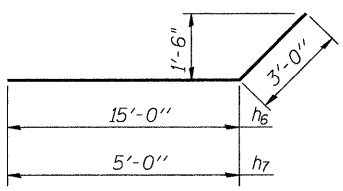
HALF LONG SECTION
Showing bars in Center Wall

HALF ELEVATION
Showing bars in Outside Wall

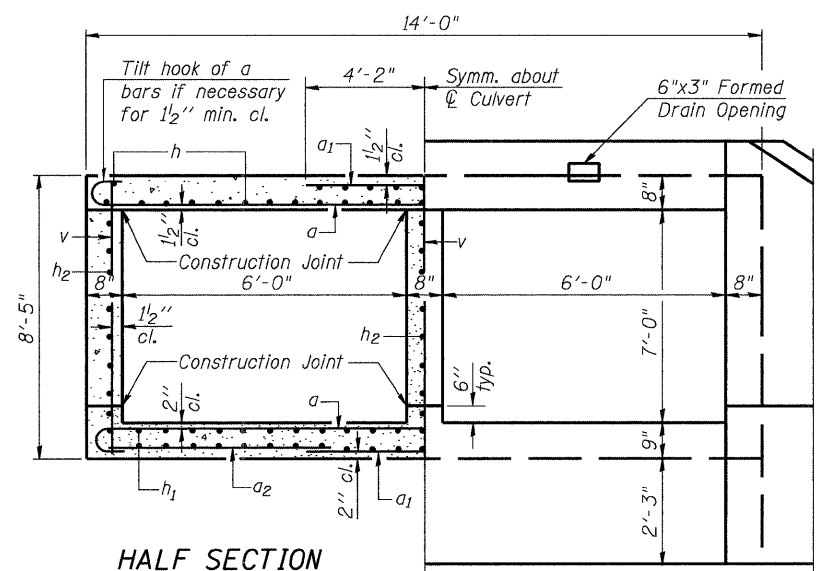
Dimensions are at right angles to ϕ Roadway



BARS h₃ & h₈



BARS h₆ & h₇



HALF SECTION THRU BARREL

HALF END ELEVATION

NOTES

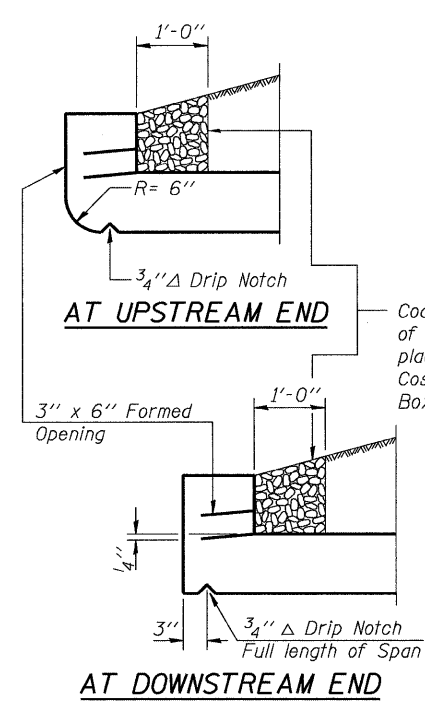
The bars in the culvert barrel may be spliced as follows:

Bar Size Number	4	5	6	9
Minimum Splice Length	16"	20"	24"	55"

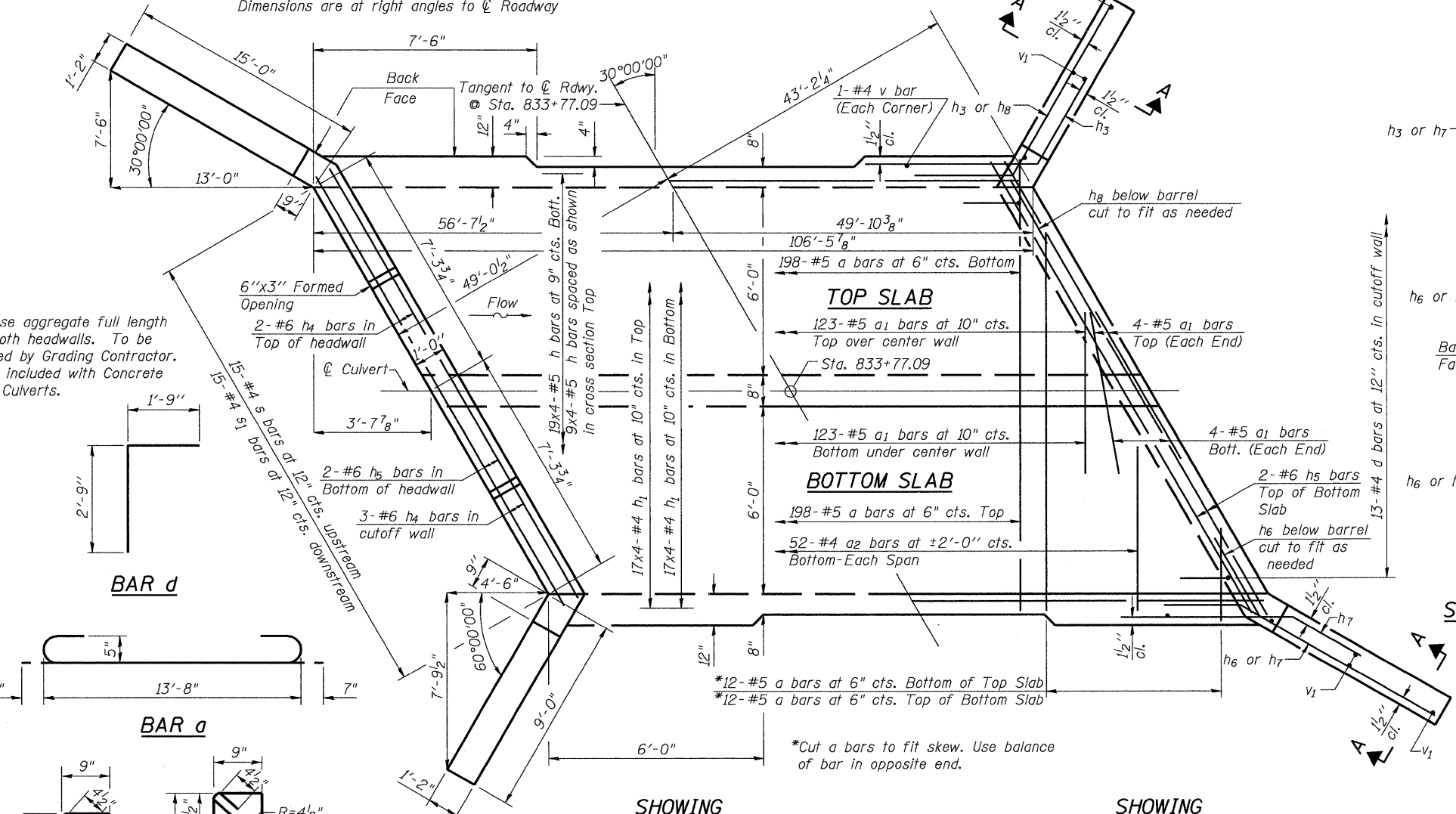
Bars indicated thus 4x2-#4 indicates 4 lines of bars with 2 lengths per line.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	420	#5	14'-10"	
a ₁	262	#5	8'-4"	
a ₂	104	#4	6'-0"	
d	26	#4	4'-6"	
h	112	#5	28'-0"	
h ₁	136	#4	27'-8"	
h ₂	120	#5	28'-0"	
h ₃	30	#5	8'-0"	
h ₄	10	#6	15'-8"	
h ₅	8	#6	16'-4"	
h ₆	20	#9	18'-0"	
h ₇	30	#9	8'-0"	
h ₈	20	#5	12'-0"	
s	15	#4	3'-11"	
s ₁	15	#4	4'-1"	
v	430	#4	8'-1"	
v ₁	16	#4	10'-10"	
Concrete Box Culverts			Cu. Yd.	160.0
Reinforcement Bars			Pound	24,050



DRAIN DETAIL



SHOWING OUTLINES

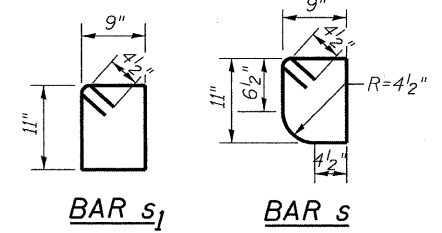
SHOWING REINFORCEMENT

PLAN

SECTION A-A

**CULVERT DETAILS
STRUCTURE NO. 071-1135**

DESIGNED	KJB
CHECKED	CTH
DRAWN	KJB
CHECKED	DFM



BAR s₁

BAR s

SHEET NO. 3 5 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	37 R-4	OGLE	867	193
CONTRACT NO. 64E17					
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					