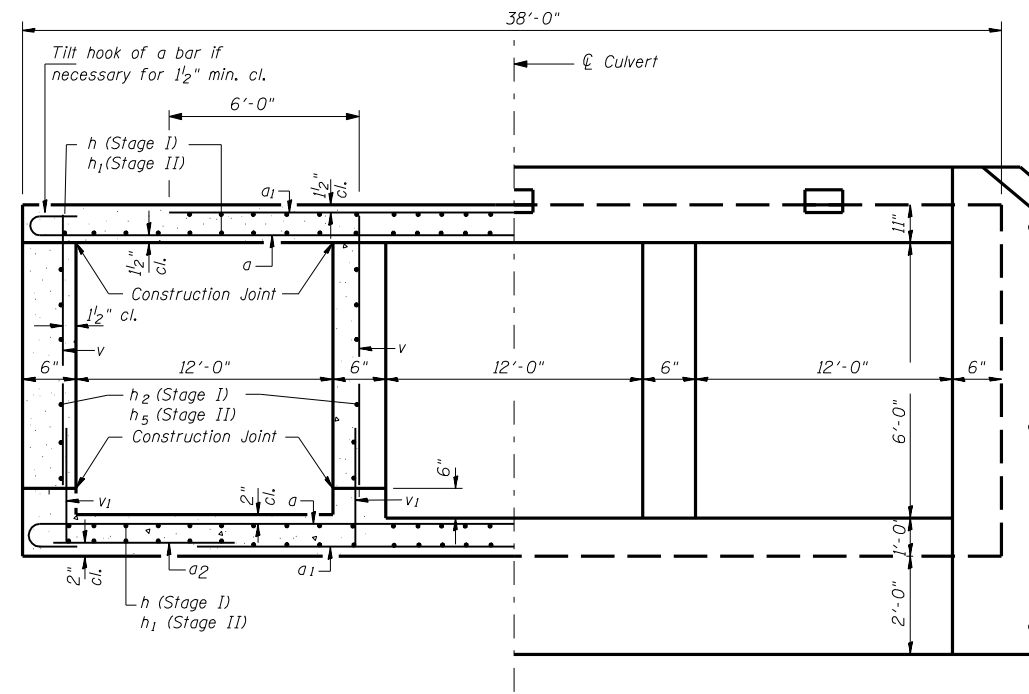
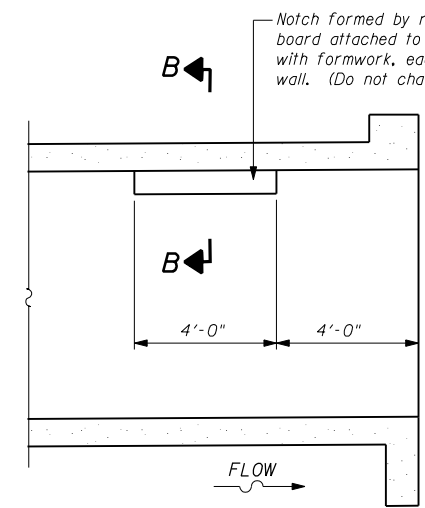


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	113B-2	HANCOCK	45	30
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
Sheet 4 of 8 Sheets				

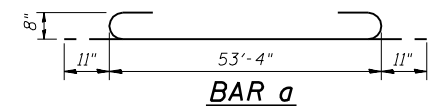


**HALF SECTION THRU BARREL**

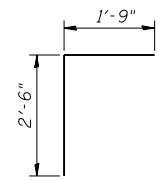
**HALF END ELEVATION**



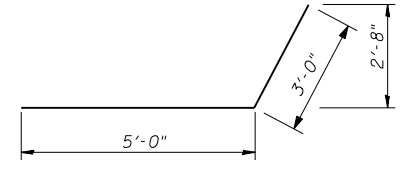
**LONGITUDINAL SECTION**



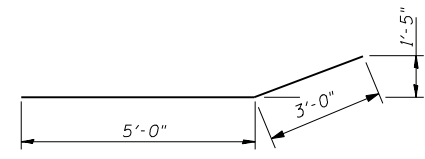
**BAR a**



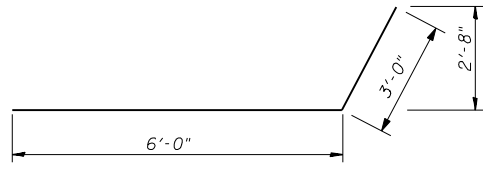
**BAR d**



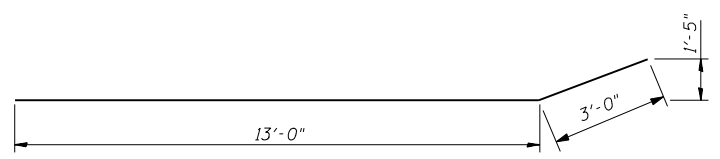
**BAR h6**



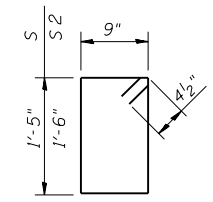
**BAR h7**



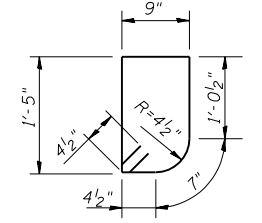
**BAR h8**



**BAR h9**



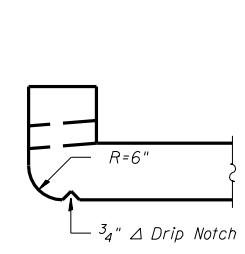
**BAR s & s2**



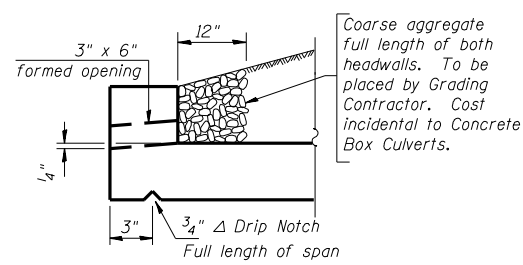
**BAR s1**

**BILL OF MATERIAL**

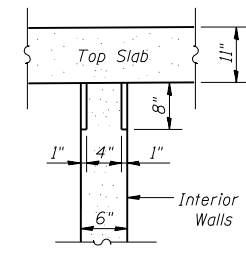
Bar	No.	Size	Length (ft)	Shape
a	288	#8	55'-2"	U
a1	300	#8	34'-8"	U
a2	150	#5	11'-3"	U
d	76	#4	4'-3"	J
h	272	#5	21'-10"	—
h1	272	#5	23'-7"	—
h2	48	#5	21'-10"	—
h3	28	#6	28'-0"	—
h4	24	#7	28'-5"	—
h5	48	#5	23'-7"	—
h6	20	#5	8'-0"	—
h7	20	#7	8'-0"	—
h8	20	#5	9'-0"	—
h9	20	#7	16'-0"	—
v	472	#4	6'-0"	—
v1	468	#4	2'-9"	—
v2	16	#4	10'-4"	—
s	104	#4	5'-1"	□
s1	52	#4	4'-11"	□
s2	52	#4	5'-3"	□
Item			Unit	Qty.
Concrete Box Culverts			yd <sup>3</sup>	301.2
Reinforcement Bars			lbs	94810



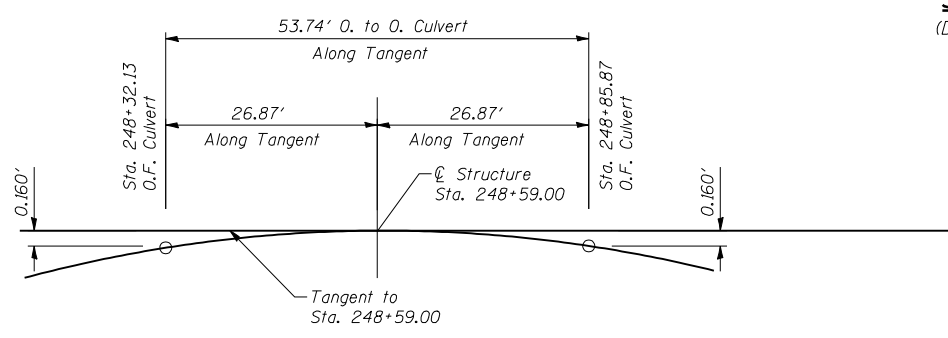
**SECTION THRU HEADWALL**  
At Upstream End Only



**DRAIN DETAIL**



**SECTION B-B PHOEBE NESTING SITE DETAILS**  
(Downstream End Only)



**OFFSET SKETCH**

**The Upchurch Group**  
HILLSIDE, IL. (708) 449-2321  
MATTOON, IL. (217) 285-3177

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CULVERT DETAILS**  
IL 9/96 OVER OPPOSUM CREEK  
FAP 685 SECTION 113B-2  
HANCOCK COUNTY  
STA. 248+59.00 STR. No. 034-2519  
SCALE: NTS DRAWN BY LP  
DATE: \$DATE CHECKED BY