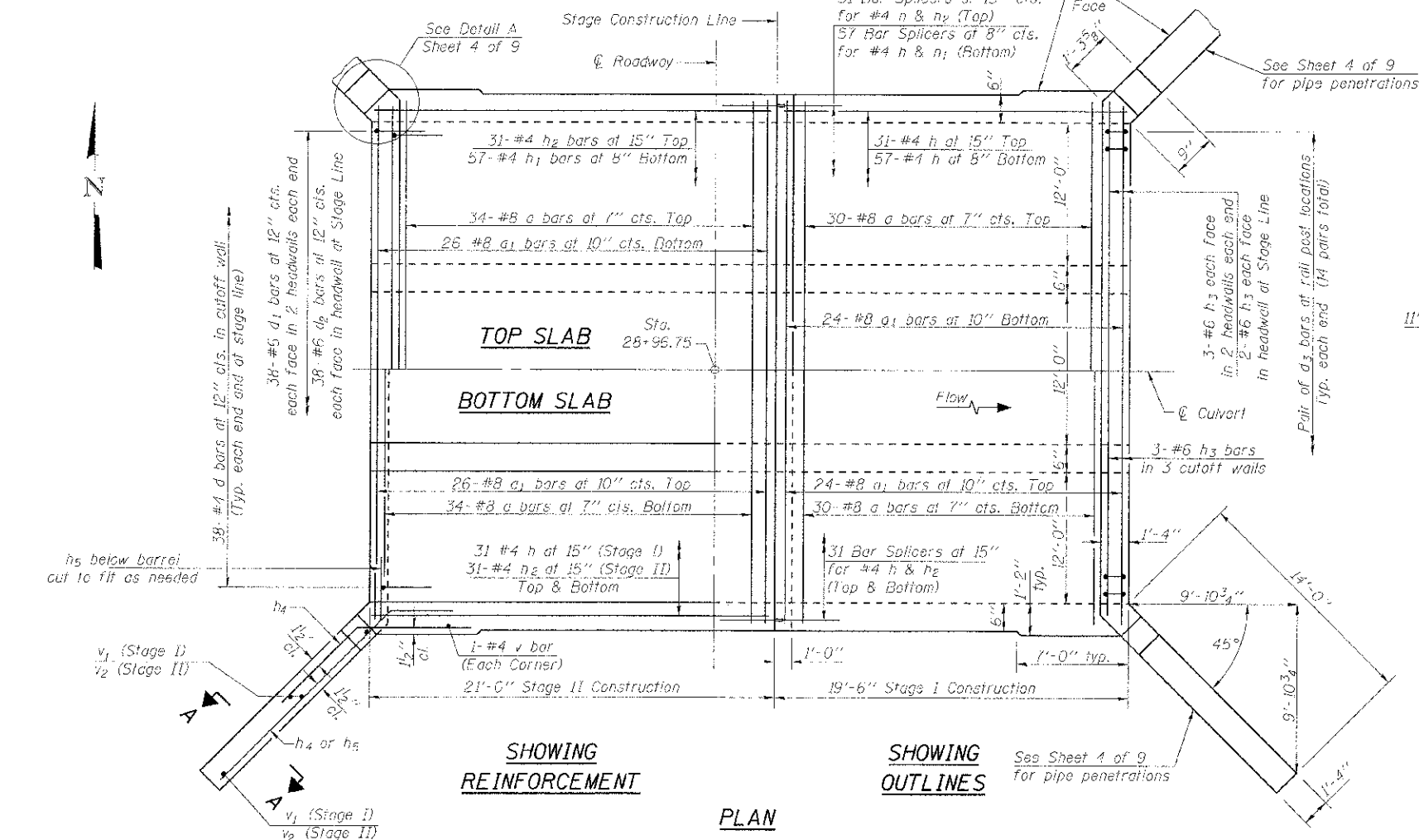


HALF LONG SECTION
Showing bars in Center Wall

HALF ELEVATION
Showing bars in Outside Wall

2-#8 h₄ bars at 9" cts. (Back)
8-#8 h₄ bars at 9" cts. (Front)
11-#8 h₅ bars at 9" cts. (Back)
4-#4 v₁ (Stage I) bars
4-#4 v₂ (Stage II) bars
Elev. 688.00
See Plan View

Steel Bridge Railing, Type 2399
See Sheet 6 of 9 for details and
See Sheet 1 of 9 for spacing



SHOWING REINFORCEMENT

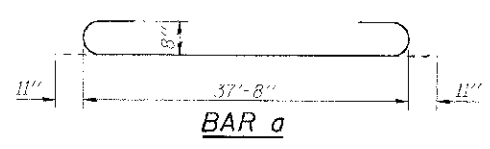
SHOWING OUTLINES

PLAN

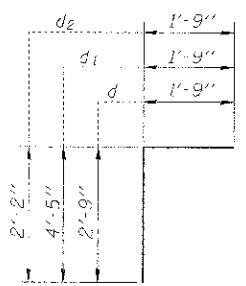
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	132	#8	37'-8"	—
a ₁	100	#8	39'-5"	—
d	114	#4	4'-6"	—
d ₁	152	#6	6'-2"	—
d ₂	76	#6	3'-11"	—
d ₃	28	#4	4'-1"	—
h	174	#4	19'-2"	—
h ₁	57	#4	20'-4"	—
h ₂	117	#4	20'-8"	—
h ₃	25	#6	37'-8"	—
h ₄	40	#8	8'-0"	—
h ₅	44	#8	15'-8"	—
v	204	#4	7'-4"	—
v ₁	8	#4	12'-9"	—
v ₂	8	#4	13'-2"	—
x	8	#6	3'-0"	—
x ₁	8	#6	2'-5"	—
x ₂	4	#6	1'-11"	—
x ₃	4	#6	2'-8"	—
x ₄	8	#6	1'-9"	—
Concrete Box Culverts		Cu. Yd.	177.0	
Reinforcement Bars		Pound	36,170	
Bar Splicers		Each	174	

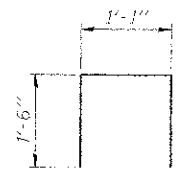
Notes:
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.



BAR a



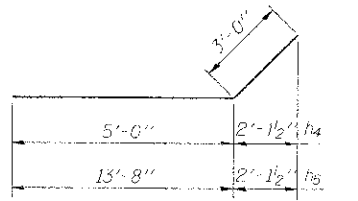
BAR d, d₁ & d₂



BAR d₃

NOTES

A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
See Sheet 4 of 9 for cross section thru barrels, Section A-A, and additional details.
See Sheet 4 of 9 for additional bars at rail pisis.



BARS h₄ & h₅

PROJECT: VILLAGE OF PARK FOREST, ILLINOIS
 THORN CREEK DRIVE BRIDGE OVER THORN CREEK
 SHEET NO. 3 OF 9 SHEETS
 DATE: 10/29/2012
 DRAWN BY: B.L.B.
 CHECKED BY: B.L.B.
 DESIGNED BY: B.L.B.
 LICENSE NO.: 285-00027-EXP-RES. 4/27/2013
 5/15/13 P.M.
 10/29/2012



USER NAME :	DESIGNED - BAB	REVISED
PLOT SCALE :	CHECKED - BLB	REVISED
PLOT DATE : 10-12-12	DRAWN - BLB	REVISED
	CHECKED - BAB	REVISED

**VILLAGE OF PARK FOREST, ILLINOIS
THORN CREEK DRIVE BRIDGE OVER
THORN CREEK**

**CULVERT DETAILS - I
STRUCTURE NO. 099-6753**

MUN. ST. 1045	SECTION 08-00093-00-BR	COUNTY WILL	TOTAL SHEETS 41	SHEET NO. 20
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 63755	
ILLINOIS FED. AID PROJECT			BRW-9003103	