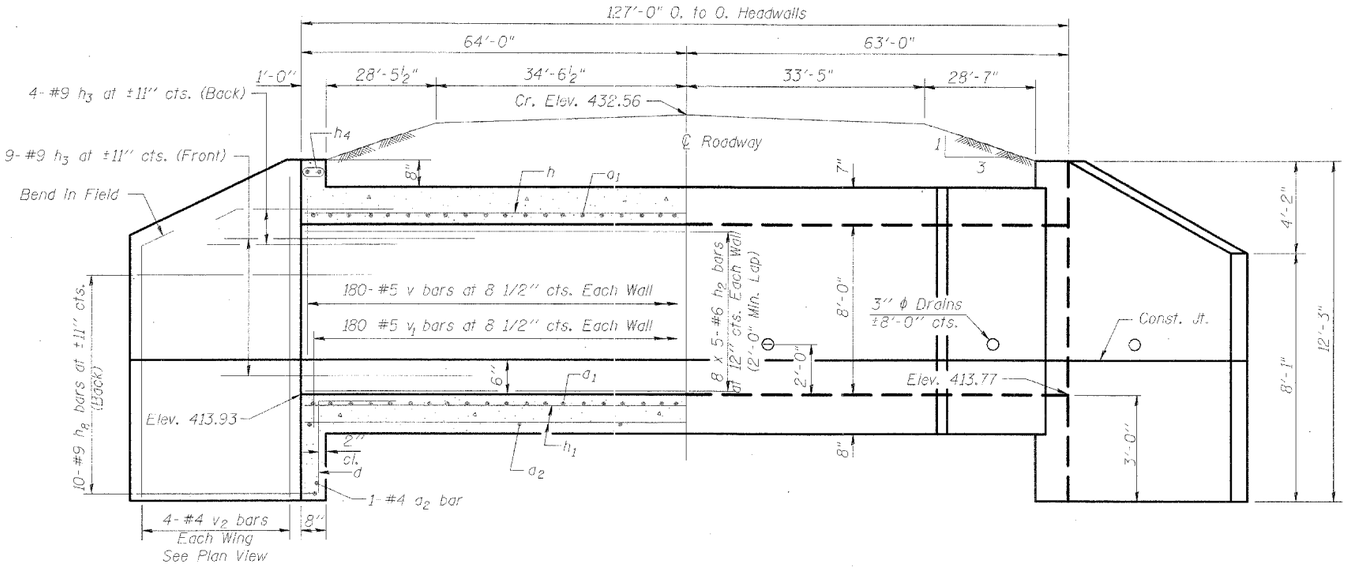
Contract No. 97255

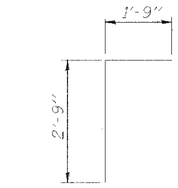
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U.8966	SEC. 97-00208-01-GS	MADISON	34	10
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

Sheet 1 of 1

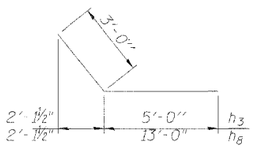


HALF LONG. SECTION

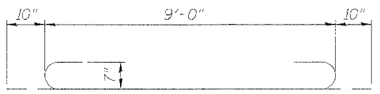
HALF ELEVATION



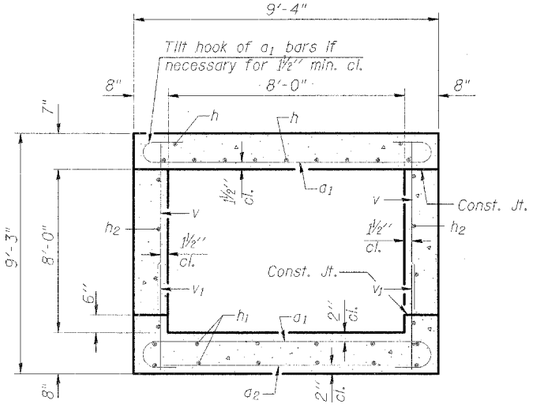
BAR d



BARS h_3 & h_8



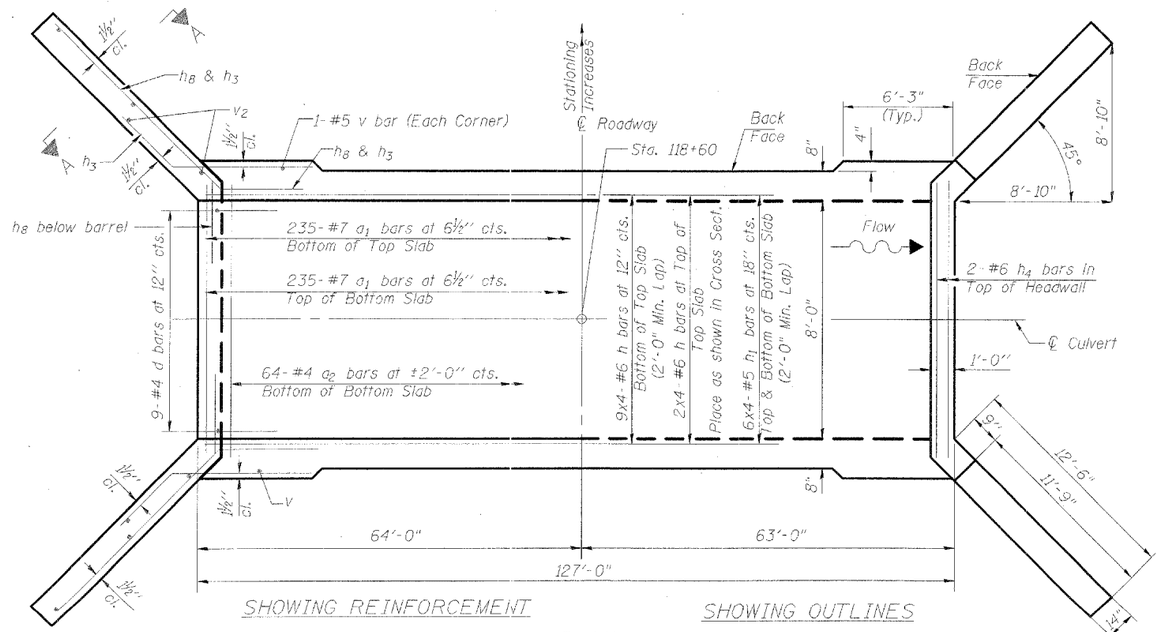
BAR a_1



SECTION THRU BARREL

BILL OF MATERIAL

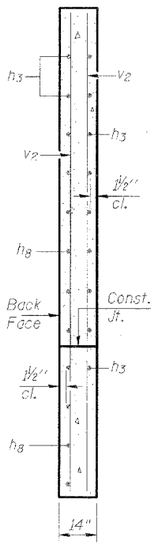
Bar	No.	Size	Length	Shape
a_1	470	#7	10'-8"	
a_2	66	#4	8'-6"	
d	18	#4	4'-6"	
h	44	#6	33'-3"	
h_1	48	#5	33'-3"	
h_2	80	#6	27'-0"	
h_3	52	#9	8'-0"	
h_4	4	#6	9'-0"	
h_8	40	#9	16'-0"	
v	364	#5	8'-0"	
v_1	360	#5	2'-2"	
v_2	16	#4	12'-0"	
Concrete Box Culverts		Cu. Yd.	131.2	
Reinforcement Bars		Pound	25410	



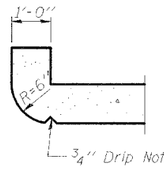
SHOWING REINFORCEMENT

SHOWING OUTLINES

PLAN



SECTION A-A



SECTION THRU HEADWALL
(Up Stream End Only)

DESIGN STRESSES

fy = 60,000 psi
f'c = 3,500 psi

LOADING HS 20-44

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.

Reinforcement Bars shall conform to the requirements of AASHTO M31 or M53, Grade 60.

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

All construction joints shall be bonded.

DRAWN	DAG	2/14/05
REVIEWED	TEH	2/25/05

SSB-H-0 10-22-04

Corporate License Number 184-001-084

CULVERT
INDIANA AVENUE STATION 118+60
SEC. 97-00208-01-GS
ALTON, ILLINOIS

HANSON
Hanson Professional Services Inc.

JOB NO. 95S10081

DATE 05/12/05