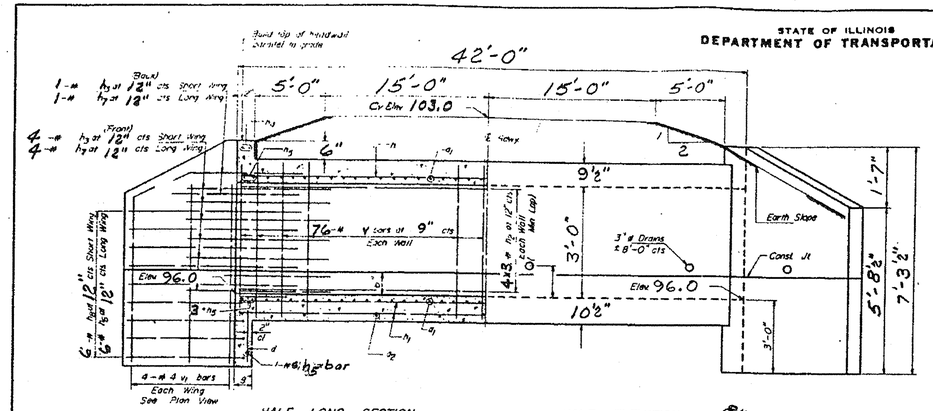
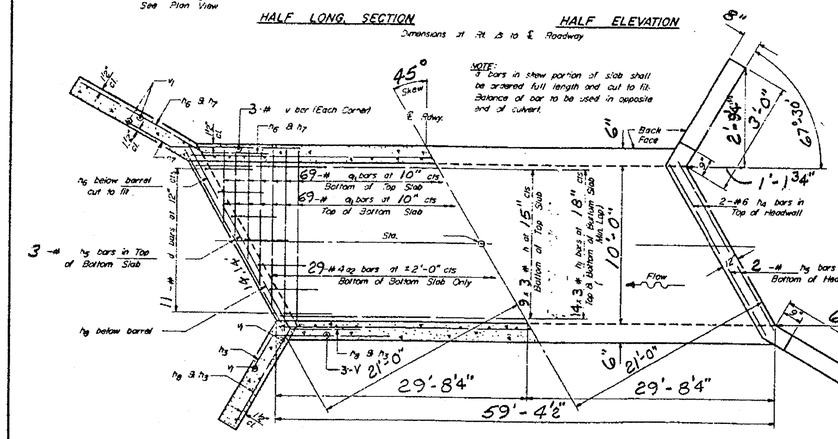
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



HALF LONG. SECTION

Dimensions at ℄ as to ℄ Roadway

HALF ELEVATION

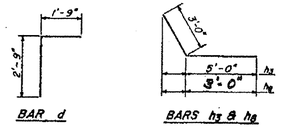


NOTE:
4 bars in skew portion of slab shall be ordered full length and cut to fit. Balance of bar to be used in opposite end of culvert.

SHOWING REINFORCEMENT

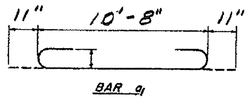
SHOWING OUTLINES

PLAN

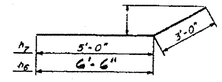


BAR d

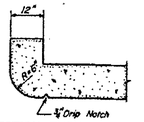
BARS h3 & h4



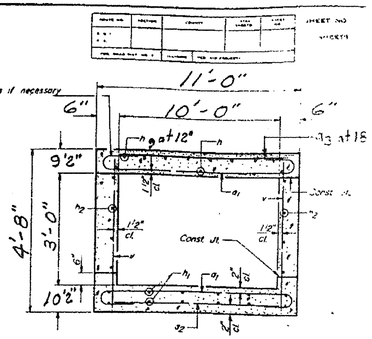
BAR a1



BARS h6 & h7



SECTION THRU HEADWALL
(Up Stream End Only)



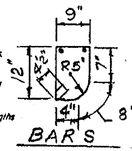
SECTION THRU BARREL

BILL OF MATERIAL

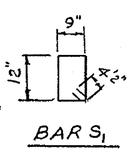
Bar	No.	Size	Length	
a1	138	#8	12'-6"	15"
a2	29	#4	10'-3"	
a3	40	#5	10'-3"	
d	30	#4	4'-6"	
h	27	#7	21'-6"	15"
h1	42	#6	21'-6"	18"
h2	24	#5	21'-6"	
h3	10	#4	9'-0"	
h4	4	#6	14'-9"	
h5	10	#8	14'-9"	
h6	12	#4	9'-6"	
h7	10	#4	8'-0"	
h8	12	#4	6'-0"	
h9	33	#4	21'-6"	
S	15	#4	4'-1"	
S1	15	#4	4'-3"	
v	164	#4	4'-4"	7"
v1	16	#4	6'-3"	
Class X Concrete Box Culverts		Cu. Yds.	52.2	
Reinforcement Bars		Lbs.	10220	

NOTES

At least six feet of Barrel shall be poured monolithically with wingwalls.
Exposed edges shall be beveled ¾".
Class X Concrete shall be used throughout.
Reinforcement Bars shall conform to the requirements of AASHTO M-31 or M-53, Grade 60
For backfilling and embankment, see Standard Specifications.
Bars indicated thus 12 ± 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.



BAR S



BAR S1

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

LOADING HS 20-44 & ALT.

1985 NON MFT
NORMAL RD. DIST.
N. LINE N.E.¼ SEC. 15
T24N R2E 3 P.M.

DESIGNED	G. H. W.
CHECKED	
DRAWN	G. H. W.
CHECKED	

SSB-H-L 9-28-79

EXAMINED ____ 19
Division of Highways Traffic Engineering
PASSED
Division of Water
APPROVED
DIRECTOR OF HIGHWAYS

FOR INFORMATIONAL USE ONLY

Farnsworth GROUP, INC.
2709 McGraw Drive
Bloomington, Illinois 61704
309/663-8435, 309/663-1571 fax

		DESIGNED - TCR	REVISED
		CHECKED - MSW	REVISED
		DRAWN - DJM	REVISED
	DATE - 01/18/13	CHECKED - MSW	REVISED

TOWN OF NORMAL

EXISTING PLANS

SHEET NO. C7 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6375	00-00206-00-RP	MCLEAN	129	91
		CONTRACT NO. 91479		
		ILLINOIS FED. AID PROJECT		

24-8801