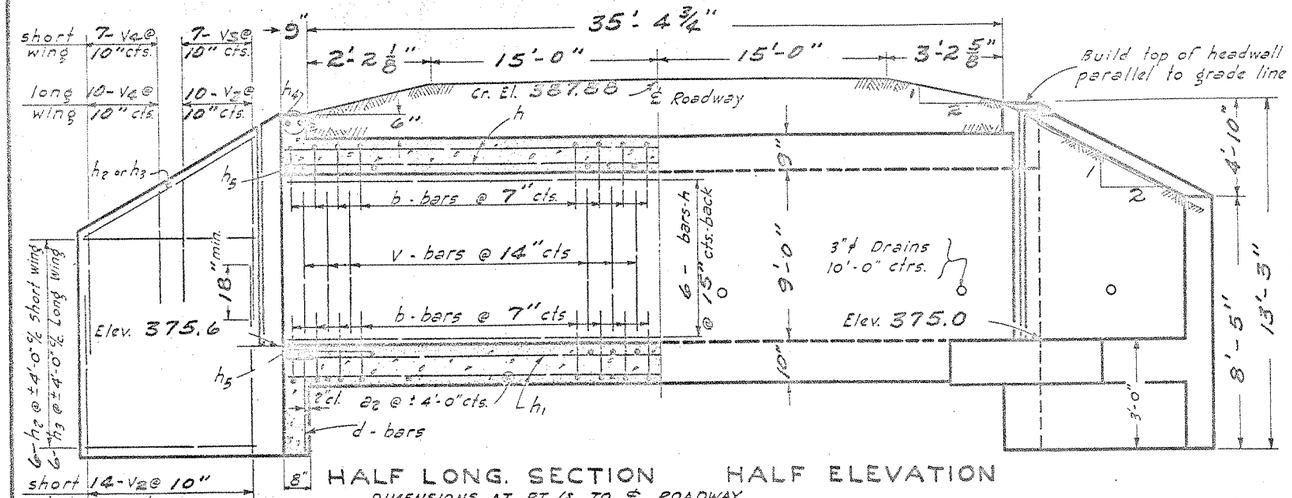
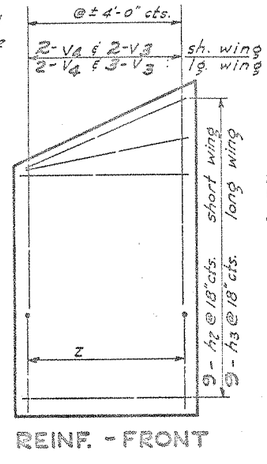
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

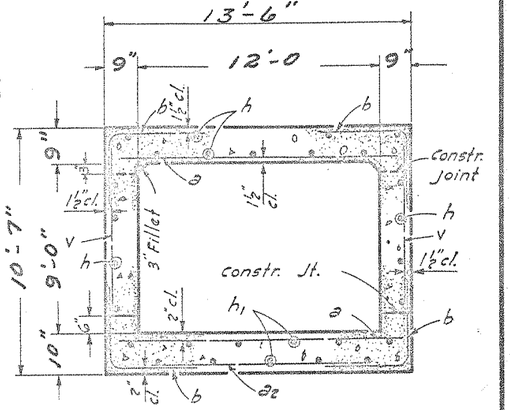
BOND ISSUE ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FA 863	45G	RANDOLPH	100	92	C SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT S-107(2)		



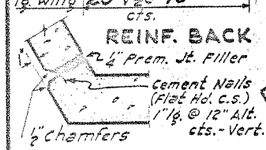
HALF LONG. SECTION HALF ELEVATION
DIMENSIONS AT RT. LS. TO ℄ ROADWAY



REINF. - FRONT

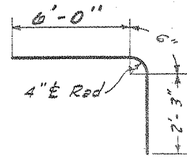


SECTION THRU BARREL

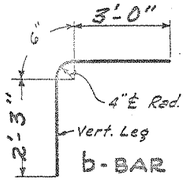


PLAN
SHOWING REINFORCEMENT SHOWING OUTLINES

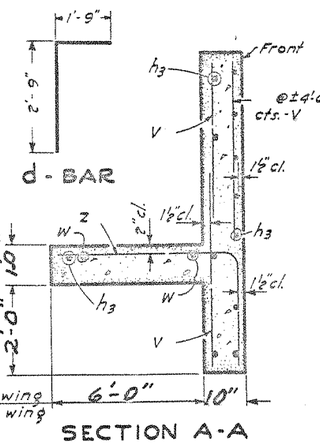
NOTE -
a-bars in skew portion of slab shall be ordered full length & cut to fit. Balance of bar to be used in opposite end of culvert.



Z - BARS



b - BAR



SECTION A-A

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH
a	144	#6	12'-6"
a2	10	#4	7'-6"
b	268	#5	5'-9"
d	24	#4	4'-6"
h	52	#4	20'-9"
h1	34	#4	20'-9"
h2	30	#4	11'-0"
h3	30	#4	16'-0"
h4	4	#6	13'-6"
h5	12	#6	13'-6"
V	72	#5	8'-0"
V2	68	#5	5'-6"
V3	44	#4	7'-9"
V4	42	#4	5'-3"
W	16	#5	19'-9"
W1	16	#5	14'-9"
Z	90	#6	8'-9"
Class "X" Concrete		Cu.Yds.	87.4
Reinforcement Bars		Lbs.	9620

NOTE:- All bars shall be round ASTM A305-49. The size number is the number of ⅛ inches in the nominal diameter.

STANDARD	COMPUTED	
	CHECKED	
	DRAWN	B. H. Wood.
	CHECKED	Joseph J. Rimsey
SPECIAL	ASSEMBLED	
	CHECKED	

EXAMINED 19
BRIDGE ENGINEER
PASSED
ENGINEER OF DESIGN
APPROVED
CHIEF HIGHWAY ENGINEER

GENERAL NOTES
Class X concrete shall be used thru-out.
Exposed edges shall be beveled ¾".
For backfilling and embankment, see Standard specifications.

fs = 20,000#/□"
fc = 1200#/□"
n = 10
H-15 LOADING

STA. 300+30
F.A.S. 863 SEC. 45G
RANDOLPH Co.

Footing & Reinf. Revised - 11-50 - J.S.M.