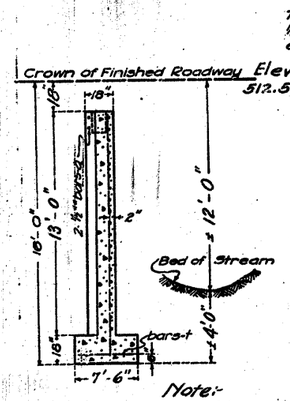
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	ILL.	14	1920	21	25

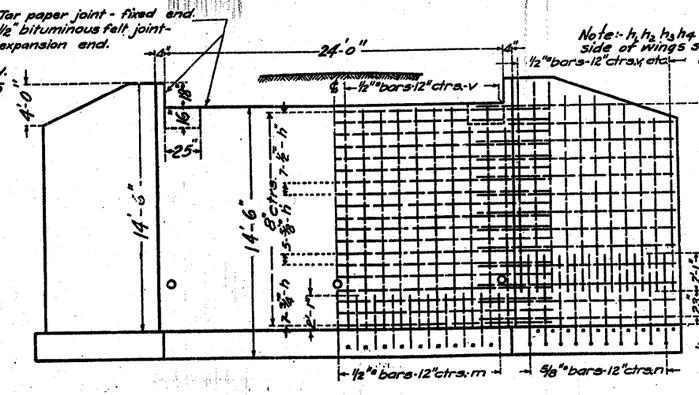
STATE OF ILLINOIS
STATE HIGHWAY DEPARTMENT

R. C. ABUTMENTS FOR GIRDER BRIDGE
HEIGHT OVER ALL 16 FT.



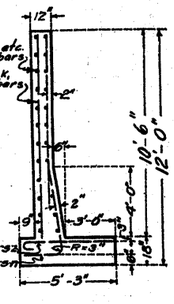
SECTION OF ABUTMENT

Note:- No existing structure to be removed.



FRONT ELEVATION SHOWING OUTLINES SHOWING REINFORCEMENT

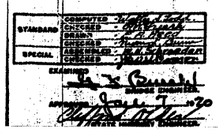
Note:- $h_1 h_2 h_3 h_4$ bars to be placed on stream side of wings supported by KK, bars 10'-0" cts. 2" from face.

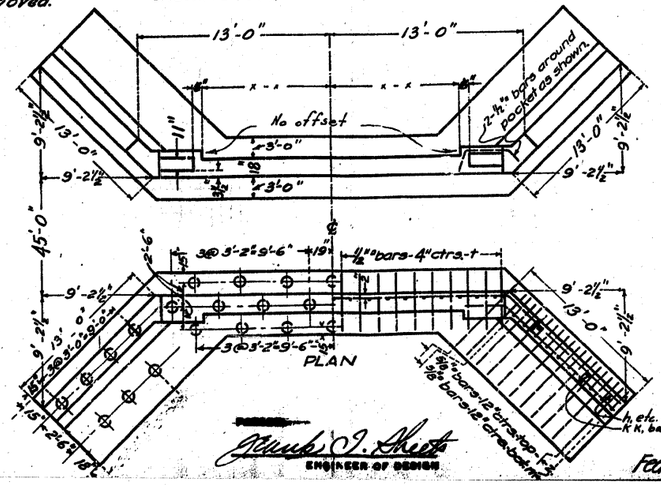


END OF WING

HORIZONTAL STEEL - MAIN WALL

Bars.		Length of Bridge Seat. 18'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"	25'-0"	26'-0"
h	No.	7	7	8	6	6	7	8	8
	Size	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	Cts.	8"	7"	6½"	9½"	9"	8"	7½"	6½"
h'	No.	5	7	7	5	5	5	5	6
	Size	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	Cts.	8"	7"	6½"	9½"	9"	8"	7½"	6½"
h"	No.	7	8	9	5	6	7	8	10
	Size	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	Cts.	8"	7"	6½"	9½"	9"	8"	7½"	6½"
Thickness of Wall.		12"	12"	12"	18"	18"	18"	18"	18"





PLAN

BILL OF MATERIAL

Bars.	No.	Size	Length
v	30	½" ø	12'-6"
v_1	12	½" ø	12'-0"
v_2	12	½" ø	11'-0"
v_3	12	½" ø	10'-0"
v_4	16	½" ø	8'-6"
h	14	3/4" ø	31'-0"
h'	10	3/4" ø	30'-0"
h"	14	½" ø	29'-0"
K	4	½" ø	14'-0"
K_1	4	½" ø	10'-6"
h_1	44	½" ø	15'-0"
h_2	8	½" ø	10'-0"
m	30	½" ø	3'-0"
n	32	5/8" ø	7'-0"
t	130	½" ø	71.3#
z	52	5/8" ø	5'-6"
a	4	½" ø	41.6#
Reinforcing Steel-lbs.			3190
Concrete-cu.yds.			94.6
Piles			72

Class A concrete to be used throughout. Proportions 1:2½:4.

Sta. 534+70

Sec. 328 [redacted]

Washington County.

Federal Aid Project No. 14 711

[redacted]
ENGINEER OF DESIGN

FOR INFORMATION ONLY

FILE NAME =	USER NAME = tharprl	DESIGNED - R. THARP	REVISED -
c:\pw_work\PWIDOT\THARPRL\dms52424\d876132-sht-exstr.dgn	DRAWN - R. THARP	REVISED -	
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - A. MUEHLFELD	REVISED -
	PLOT DATE = 12/8/2009	DATE - 12/8/2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

SCALE: | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.S.&SBI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322&2	95-AC & 32B-I	WASHINGTON	63	47
		CONTRACT NO. 76132		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		