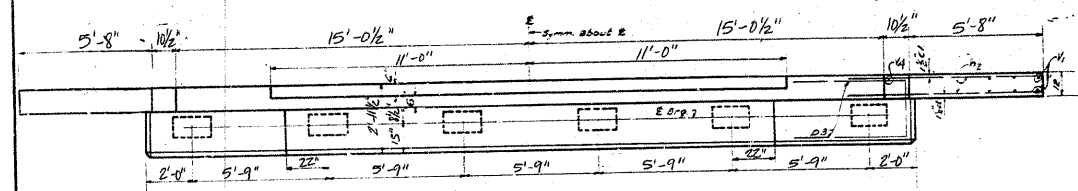


STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

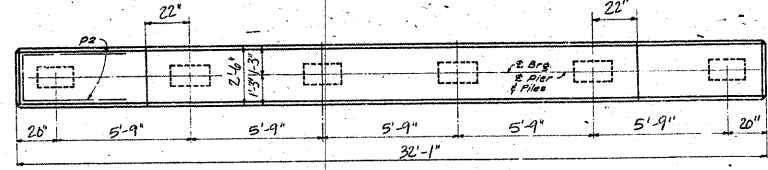
REVISIONS  
DATE  
BY  
REASON

NO.	DATE	BY	REASON
1	8-18-44	E. G. DUBLIN	AS SHOWN

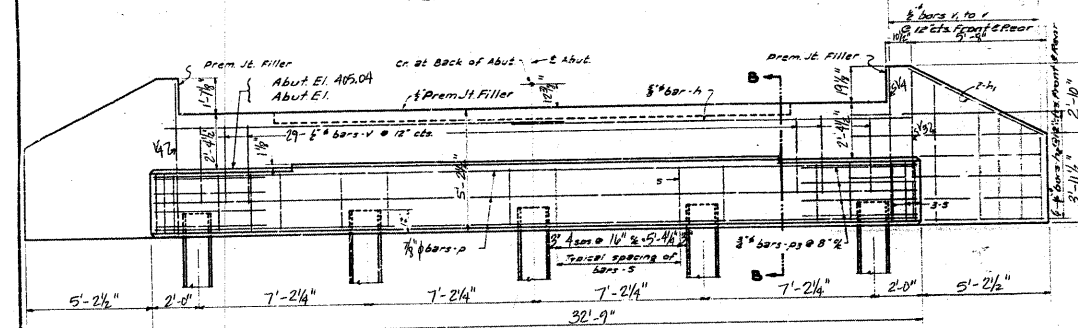
SHEET NO. 4  
5 SHEETS



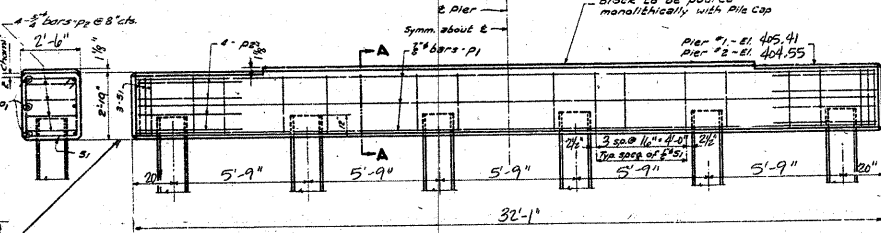
PLAN OF ABUTMENT



PLAN OF PIERS 1 & 2



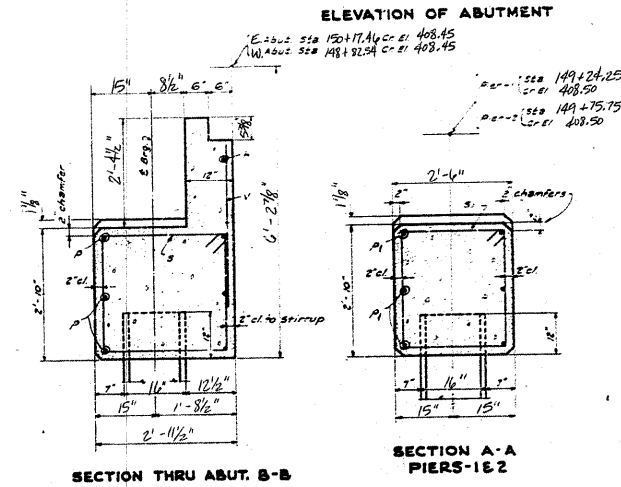
ELEVATION OF ABUTMENT



ELEVATION OF PIERS 1 & 2

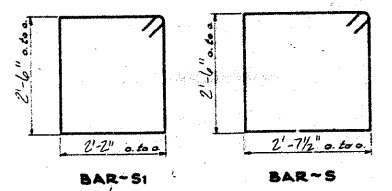
Construction above this line is the same for both Alt 'A' & Alt 'B'. See details of Piles & Columns for Alt 'B' See Sheet #5

Precast Concrete Piles  
28 Ton Capacity  
Est Length = 42'-0"  
12 Reg'd - Piers 1 & 2



SECTION THRU ABUT. B-B

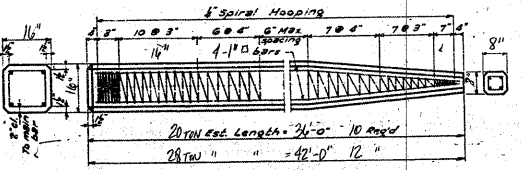
SECTION A-A PIERS 1 & 2



BAR-S1

BAR-S

BARS-P2 & P3



DETAIL OF PRECAST CONCRETE PILES

BILL OF MATERIAL FOR E & W ABUTS. AND PIERS "1 & 2" ALT. "A"

Class X Concrete (caps) Cu. Yds.	45.6
Reinforcement Bars (cap) Lbs.	3520
Precast Concrete Piles (24 Lg) Lin. Ft.	360
Precast Concrete Piles (42 Lg) Lin. Ft.	304
Precast Concrete Test Pile	One

BILL OF MATERIAL

BAR	No.	SIZE	LENGTH
A	4	5"	17'-0"
A1	8	5"	6'-3"
A2	48	5"	8'-0"
V	58	5"	3'-6"
V1	16	5"	3'-9"
V2	16	5"	4'-9"
V3	16	5"	5'-9"
V4	8	1/2" #8	6'-3"
S	52	5"	11'-0"
S1	52	5"	10'-0"
P	12	3/4"	32'-3"
P1	12	7/8"	24'-9"
P2	16	5"	11'-0"
P3	16	5"	11'-6"

Class X Concrete Cords  
Reinforcement Bars Lbs.  
Precast Conc. Piles Lin. Ft.  
Precast Conc. Test Piles Ea.

Stresses  
 $f_c = 20,000 \text{ #/in}^2$   
 $f_s = 12,000 \text{ #/in}^2$

SUBSTRUCTURE - ALT "A"  
OVERFLOW CHANNEL OF KASKASKIA RIVER  
SBI RT 150 (PA RT 68) SEC 421-B  
ST. CLAIR COUNTY  
STA 149+50

COMPUTED	E. G. DUBLIN	EXAMINED	8-18-44
CHECKED		PASSED	
DRAWN	E. G. DUBLIN	DESIGNED BY	
CHECKED	J. S. MATELICK	APPROVED	
ASSEMBLED			
CHECKED			

FILE NAME =	USER NAME = owenbj	DESIGNED -	REVISED -
c:\projects\ed02205\plan\p1n02205a.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B17	421B-1	ST. CLAIR	56	51
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76885	

FOR INFORMATION ONLY