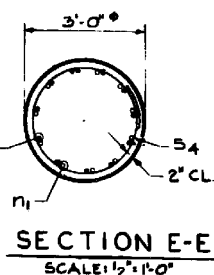
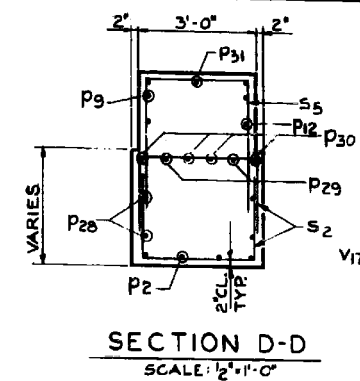
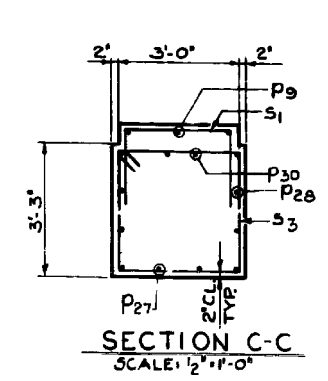
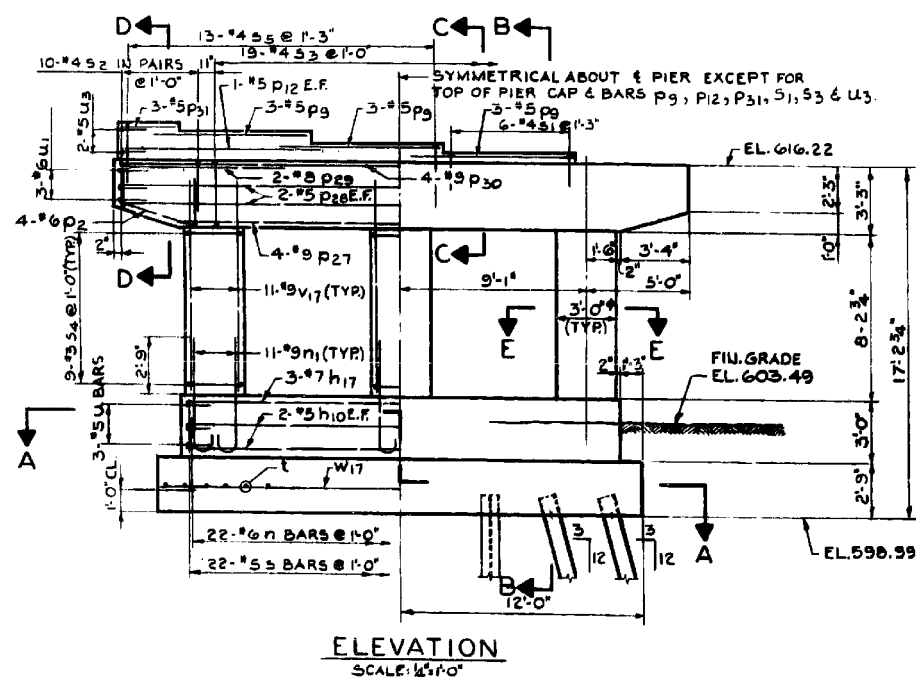


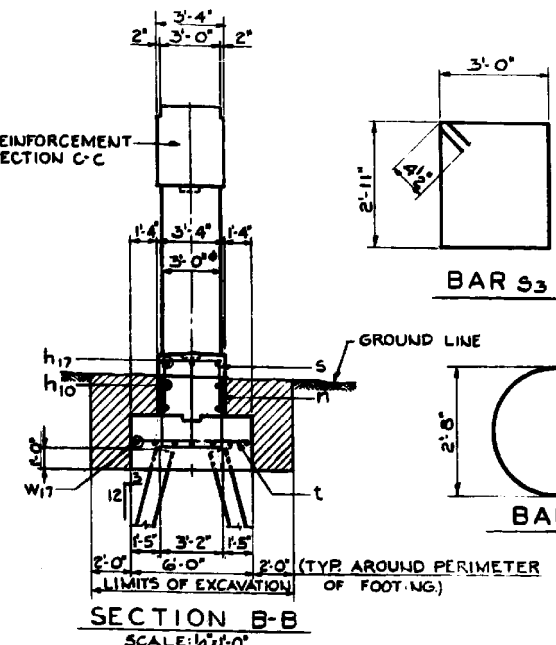
DIRGS	STRINGER LINE	a	b
EAST	①, ②, ⑦, ⑧ & ⑨	3 5/16	8 1/8
WEST	①, ②, ⑩, ⑪ & ⑫	2 7/16	8 3/8



BAR	NO	SIZE	LENGTH	SHAPE
h10	4	5	21'-3"	
h17	3	7	21'-3"	
n	22	6	9'-6"	J
n1	33	9	7'-0"	J
P2	8	6	3'-6"	
P9	9	5	7'-3"	
P12	2	5	10'-0"	
P27	4	9	21'-3"	
P28	4	5	27'-9"	
P29	4	8	8'-3"	
P30	4	9	27'-9"	
P31	3	5	2'-6"	
S	22	5	8'-8"	
S1	6	4	5'-8"	
S2	20	4	6'-10"	
S3	19	4	12'-7"	
S4	27	3	8'-6"	
S5	13	4	8'-0"	
t	25	5	5'-6"	
U	6	5	5'-11"	
U1	6	6	5'-11"	
U3	2	5	5'-3"	
V17	33	9	11'-0"	
W17	7	6	23'-6"	



FOR REINFORCEMENT SEE SECTION C-C



BAR	A	B
n	3'-3"	3'-0"
S	2'-10"	3'-0"
S1	1'-6"	2'-8"
S2	1'-11"	3'-0"
S3	2'-8"	2'-8"
U	1'-6"	2'-11"
U1	1'-6"	2'-11"
U3	1'-4"	2'-7"

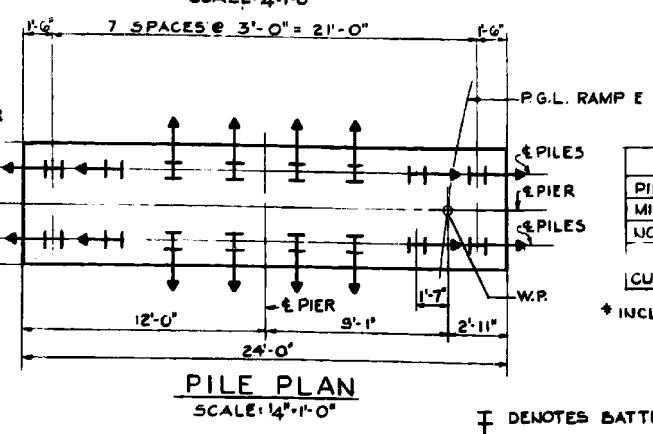
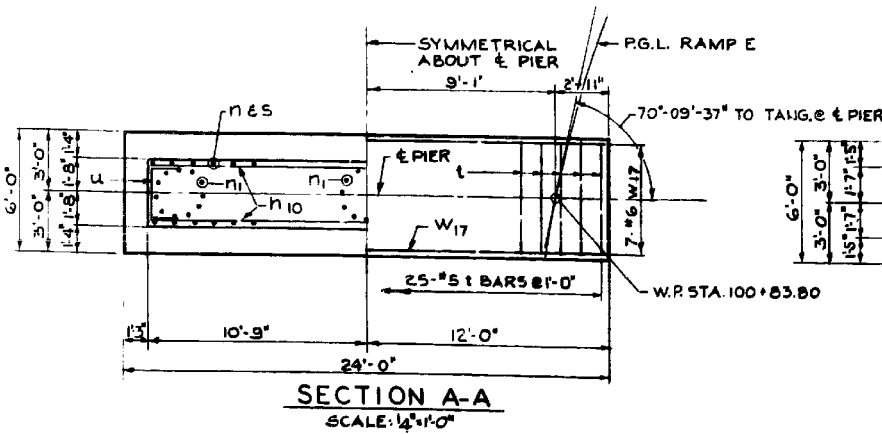
BARS n, S, S1, S2, S3, U, U1 & U3

BAR S3

BAR S4

BAR n1

NOTES:  
ALL BAR DIMENSIONS ARE OUT TO OUT.  
PREFIX ALL BAR MARKS FOR SHIPMENT WITH A NUMBER INDICATING THE PIER WHERE THE BARS WILL BE USED.  
EXAMPLE: 33h17 MEANS BARS h17 FOR PIER 39. FOR ANCHOR BOLT PROJECTION SEE 5H.77. FOUR STEPS MONOLITHICALLY WITH PIER CAP.  
SPACE REINFORCEMENT IN CAP TO MISS ANCHOR BOLTS.



PILE TYPE	10BP57
MIN. CAPACITY TONS	37
NO REQUIRED	16*
LENGTH FEET	20
CUT OFF ELEV.	599.99

\* INCLUDES 2 TEST PILES

	UNIT	QUANTITY
CLASS A EXCAVATION FOR STRUCTURE	CU YD	47
CLASS X CONCRETE	CU YD	42.6
REINFORCEMENT BARS	POUND	4,692
FURNISHING STEEL PILES 10BP57	LIN FT	280
TEST PILE STEEL 10BB57	EACH	2
DRIVING STEEL PILES	LIN FT	280

ILLINOIS DIVISION OF HIGHWAYS  
SOUTHWEST EXPRESSWAY  
LAWDALE AVE. VIADUCT  
PIER 39

DE LEW, CATHY & CO. ENGINEERS  
DESIGNED BY J.C. BROZ  
DRAWN BY G. MARTINSON  
CHECKED A.F. HARRISON  
IN CHARGE E.S. MARTINS  
APPROVED L.N. RIAN

**benesch**  
engineers · scientists · planners  
Alfred Benesch & Company  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450 Job No. 10093

FILE NAME =	USER NAME = tjenicke	DESIGNED - FSM	REVISED -
0162457.60J16.096.existplan13.dgn	PLOT SCALE =	CHECKED - RMM	REVISED -
	PLOT DATE = 12/28/2013	DRAWN - FSM	REVISED -
		CHECKED - RMM	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN INFORMATION (13 OF 26)  
STRUCTURE NO. 016-2457  
SHEET NO. SDX13 OF SDX26 SHEETS

FOR INFORMATION ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	2013-038B-R	COOK	821	471

CONTRACT NO. 60J16  
ILLINOIS FED. AID PROJECT

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