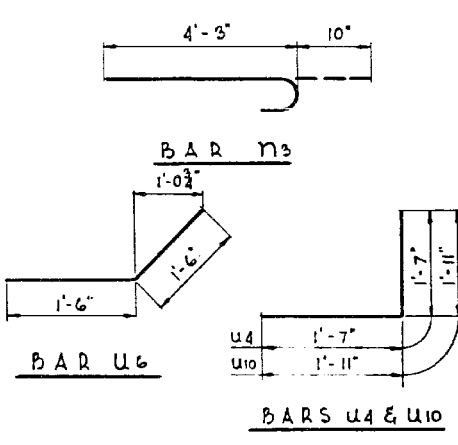
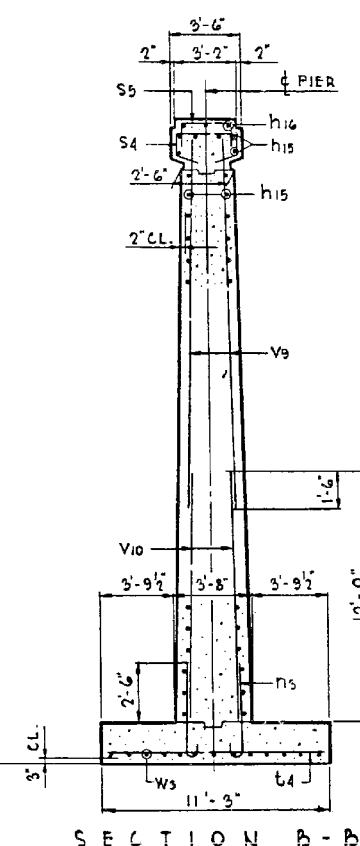
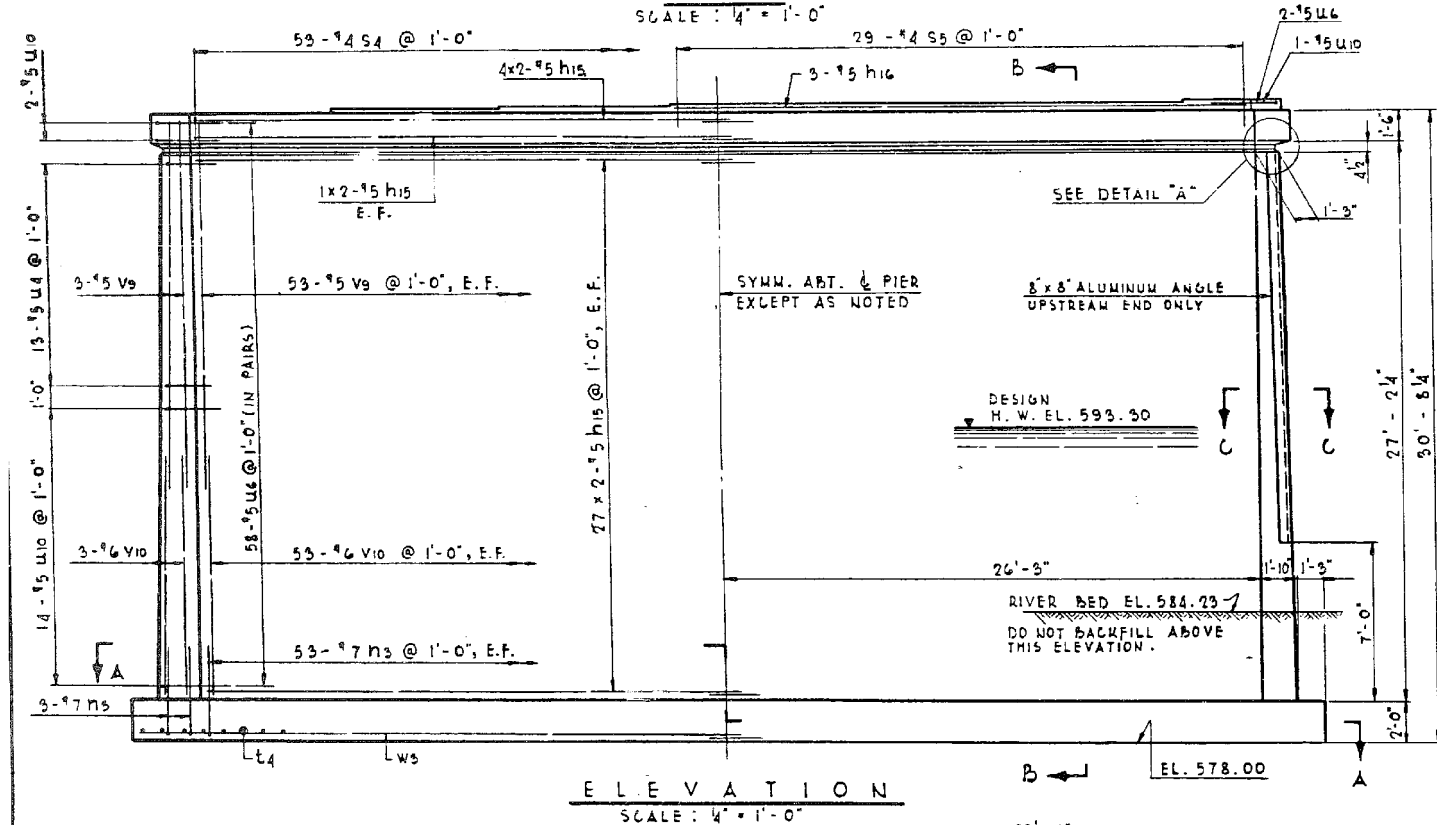


GIRDER	α°
G10 & G16	92°-32'-30"
G11	91°-29'-34"
G12	90°-28'-07"
G13	89°-27'-59"
G14	88°-29'-36"
G15 & G22	87°-32'-30"
G17	91°-39'-57"
G18	90°-48'-07"
G19	89°-57'-E"
G20	89°-08'-28"
G21	88°-19'-59"

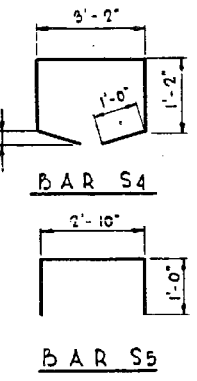
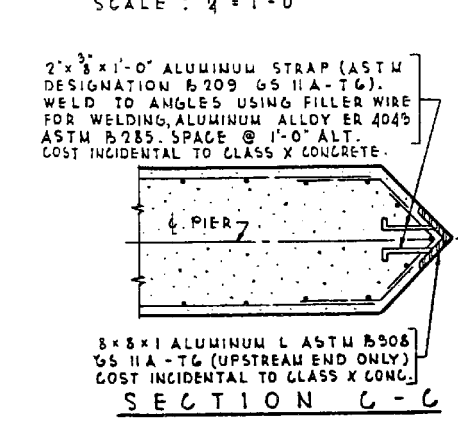
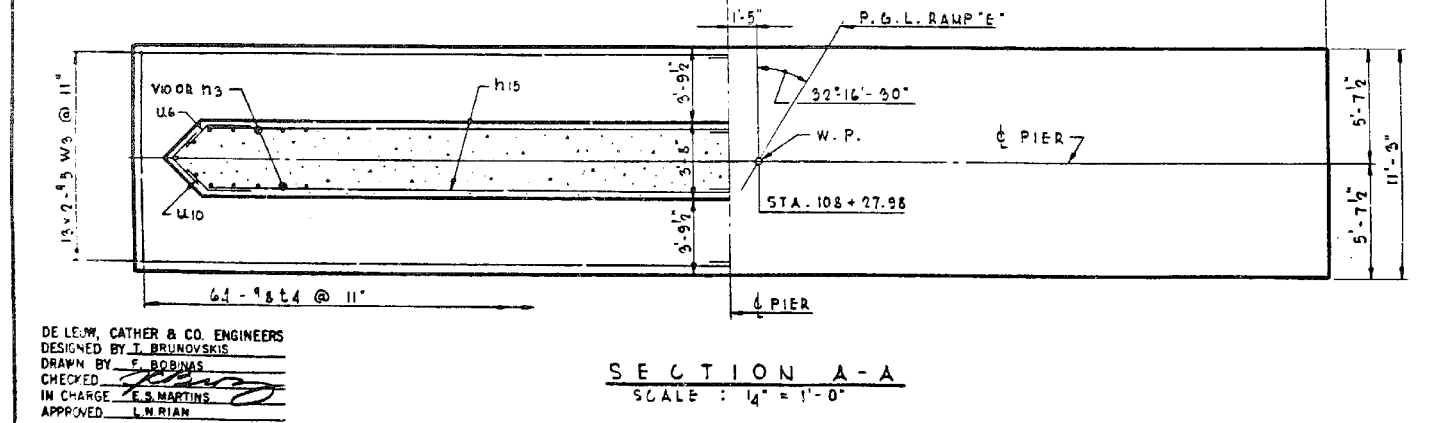


BAR NO.	SIZE	LENGTH	SHAPE
h15	120	5	27'-0"
h16	3/4	5	28'-9"
n3	112	7	5'-1"
S4	53	4	7'-6"
S5	29	4	4'-10"
t4	64	8	10'-9"
u4	26	5	3'-2"
u6	118	5	3'-0"
u10	53	5	3'-10"
v9	112	5	15'-0"
v10	112	6	12'-0"
w3	26	5	29'-9"

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: 47 h15 MEANS BARS h15 FOR PIER 47 FOR ANCHOR BOLT PROJECTION SEE SH. 26 POUR STEPS MONOLITHICALLY WITH PIER CAP KEY TO BAR INDICATION: 13 x 2-15 ETC. MEANS 13 LINES OF BARS WITH 2 LENGTHS PER LINE. MIN. BAR LAP = 20 DIA. SPACE REINFORCEMENT IN LAP TO MISS ANCH. BOLTS.

ITEM	UNIT	QUANTITY
CLASS B EXCAVATION	CU YD	341
CLASS X CONCRETE	CU YD	228.5
REINFORCEMENT BARS	POUND	12,538
COFFERDAM	EACH	1

NOTE: FOR CLASS B EXCAVATION LIMITS SEE SH. 17.



2" x 3/8" x 1'-0" ALUMINUM STRAP (ASTM DESIGNATION B 209 G5 11A-T6). WELD TO ANGLES USING FILLER WIRE FOR WELDING, ALUMINUM ALLOY ER 4045 ASTM B 285. SPACE @ 1'-0" ALT. COST INCIDENTAL TO CLASS X CONCRETE.

8" x 8" x 1 ALUMINUM L ASTM B 308 G5 11A-T6 (UPSTREAM END ONLY) COST INCIDENTAL TO CLASS X CONG.

**ILLINOIS DIVISION OF HIGHWAYS**  
SOUTHWEST EXPRESSWAY  
**RAMP E OVER DES PLAINES RIVER**  
PIER 47  
SCALE: AS NOTED DATE: 8-23-63

DE LEW, CATHER & CO. ENGINEERS  
DESIGNED BY J. BRUNOVSKIS  
DRAWN BY F. BOBINAS  
CHECKED BY [Signature]  
IN CHARGE E.S. MARTINS  
APPROVED L.W. RIAN

FILE NAME =	USER NAME = tjenicke	DESIGNED - FSM	REVISED -
0161026.60J16.X09.existingplan.dgn		CHECKED - RMM	REVISED -
	PLOT SCALE =	DRAWN - FSM	REVISED -
	PLOT DATE = 12/28/2013	CHECKED - RMM	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	2013-038B-R	COOK	821	569

CONTRACT NO. 60J16  
ILLINOIS FED. AID PROJECT

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