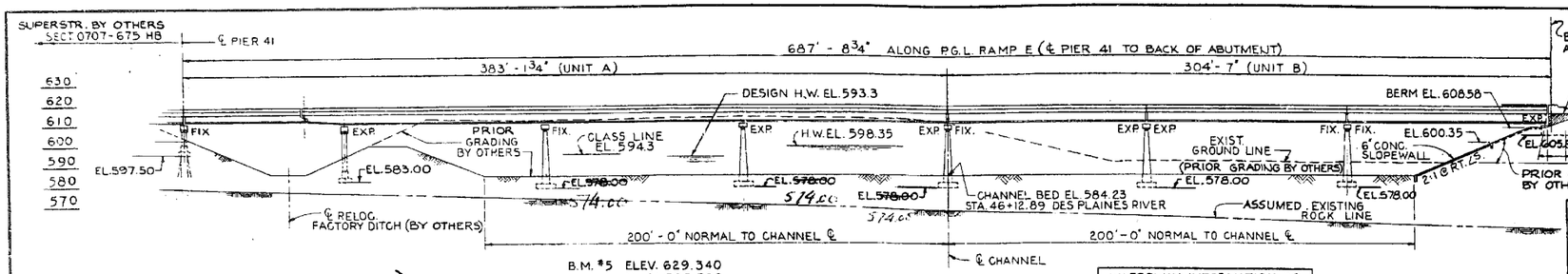
FED. AID ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
E-55	0707-648	COOK	29	10
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 10 SHEETS

SUPERSTR. BY OTHERS
SECT. 0707-675 HB

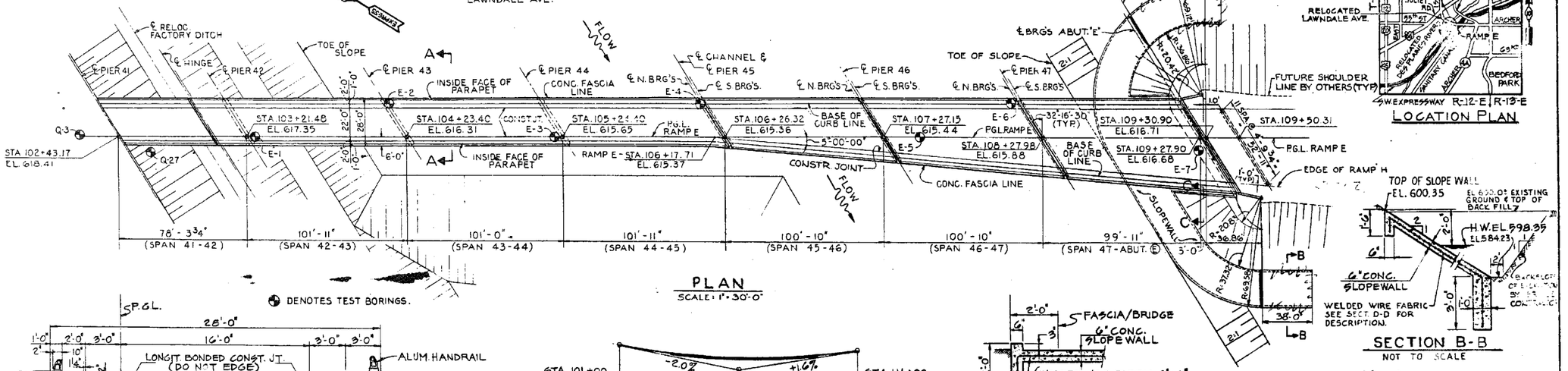


APPROACH PILE DATA	
LOCATION	ABUT. E
NO REQUIRED	12
EST LENGTH	21 FEET
CUT OFF ELEV.	613.97

B.M. #5 ELEV. 629.340
N. 21,525.708
E. 61,346.527
CONC. MON. APPROX. 690' LT. OF STA. 56+65 LAWNDALE AVE.

ELEVATION
SCALE: 1" = 30'-0"

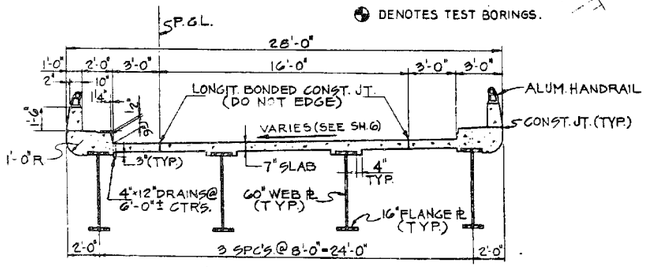
WATERWAY INFORMATION AS SPECIFIED BY DIVISION OF WATERWAYS LETTER OF MARCH 21, 1962.



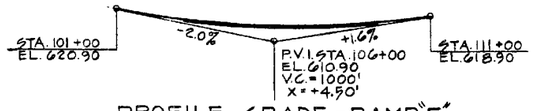
PLAN
SCALE: 1" = 30'-0"

LOCATION PLAN

DENOTES TEST BORINGS.

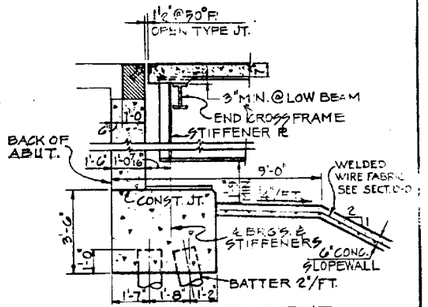


SECTION A-A
SCALE: 1/4" = 1'-0"



PROFILE GRADE - RAMP "E"

SECTION C-C
SCALE: 1/2" = 1'-0"



SECTION AT ABUT.
SCALE: 3/8" = 1'-0"

TOTAL OF MATERIALS

ITEM	UNIT	SUPER-STRUCTURE	SUB-STRUCTURE	TOTAL
CLASS A EXCAVATION FOR STRUCTURES *	CU YD		1,998	1,998
CLASS B EXCAVATION FOR STRUCTURES *	CU YD		2,688	2,688
COFFERDAM PIER #6	EACH		1	1
COFFERDAM PIER #7	EACH		1	1
CLASS X CONCRETE	CU YD	745.3	956.0	1,701.3
PROTECTIVE COAT	SQ YD	2,967	--	2,967
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	781,376		781,376
REINFORCEMENT BARS	POUND	221,452	67,863	289,315
FURNISHING CREOSOTED PILES, 20.1 TO 38 FEET	LIN FT		252	252
DRIVING TIMBER PILES	LIN FT		252	252
FURNISHING STEEL PILES 12BP53	LIN FT		169	169
FURNISHING STEEL PILES 8BP36	LIN FT		620	620
TEST PILE STEEL 12BP53	EACH		1	1
TEST PILE STEEL 8BP36	EACH		1	1

ITEM	UNIT	SUPER-STRUCTURE	SUB-STRUCTURE	TOTAL
DRIVING STEEL PILES	LIN FT		789	789
NAME PLATES	EACH	1	1	2
SLOPE WALL 6 INCH	SQ YD		1,945	1,945
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	LIN FT		50	50
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	LIN FT	1,810		1,810
CONDUIT IN CONCRETE, 1 1/2" DIA., GALVANIZED STEEL	LIN FT	25		25
CONDUIT, 1 1/2" DIA., GALVANIZED STEEL	LIN FT	10		10
TRENCH AND BACKFILL	LIN FT		25	25
ALUMINUM HANDRAIL	LIN FT	1,391		1,391
EMBANKMENT	CU YD		168	168
** BRIDGE SEAT SEALANT	L SUM			

* INCLUDES 1,759 CU. YDS. OF CLASS A EXCAVATION AND 1,482 CU. YDS. OF CLASS B EXCAVATION FOR SLOPE WALLS.

** Applied at Piers 45 & 46, East Abutment

ADDITION SEE SHEET 10/15 & 16

NOTES:
DESIGN LOADING: AASHTO H20-S16 (INCL. 18 PSF FUTURE WEARING SURFACE)
DESIGN STRESSES:
- fc = 1400 PSI SUPERSTRUCTURE AND SUBSTRUCTURE WITHOUT EARTH PRESSURE.
- fc = 1000 PSI SUBSTRUCTURE WITH EARTH PRESSURE.
- fs = 20,000 PSI REINFORCEMENT BARS.
- fs = 20,000 PSI STRUCTURAL STEEL A-36.
- v = 75 PSI SHEAR IN FOOTINGS.

MAX. L.L.+I DEFLECT. = 1/1000 (NON-COMPOSITE), 1/1200 (COMPOSITE).

GRADING: ALL GRADING, INCLUDING BRIDGE CONE, SHALL BE DONE BY OTHERS EXCEPT FOR EMBANKMENT BEHIND ABUTMENT, AS DESCRIBED IN THE SPECIAL PROVISIONS.

DE LEUW, CATHER & CO. ENGINEERS
DESIGNED BY V.K. BURKEVICS
DRAWN BY M. VADKERTY
CHECKED
IN CHARGE E.S. MARTINS
APPROVED L.N. RIAN

ILLINOIS DIVISION OF HIGHWAYS
SOUTHWEST EXPRESSWAY
RAMP E OVER DES PLAINES RIVER
GENERAL PLAN AND ELEVATION
SCALE: AS NOTED
DATE 8/6/63

Selected Typo Corrections Marked

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

FOR INFORMATION ONLY

FILE NAME =	USER NAME = tjanicke	DESIGNED - FSM	REVISED -
		CHECKED - RMM	REVISED -
0161026_60J16_X01_existplan1.dgn	PLOT SCALE =	DRAWN - FSM	REVISED -
	PLOT DATE = 12/20/2013	CHECKED - RMM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS – PLAN AND ELEVATION
STRUCTURE NO. 016-1026
SHEET NO. SFX1 OF SFX30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	2013-038B-R	COOK	821	561
		CONTRACT NO. 60J16		
		ILLINOIS FED. AID PROJECT		

6/23/2014 2:45:38 PM X:\10000S\10093\Eng_Docs_Phase_II\SN_016_1026_SB_1st_Ave_Ramp_over_Des_Plaines_River\Final\1026_016J026_60J16_X01_existplan1.dgn