

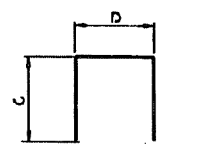
BEAM	A	B
B1	5 1/2"	5 1/2"
B2	5 1/2"	5 1/2"
B3 THRU B6	5 1/2"	5"

NOTE:
 FOR ANCHOR BOLT PROJECTION SEE SH. 25.
 SPACE REINFORCEMENT IN CAP TO MISS ANCHOR BOLTS.
 ALL EDGES TO HAVE STD. 3/4" CHAMFER EXCEPT AS NOTED.
 POUR STEPS MONOLITHICALLY WITH PIER CAP.

KEY TO BAR INDICATION:
 5x2-#10 ETC. MEANS 5 LINES OF BARS WITH 2 LENGTHS PER LINE.
 MIN. BAR LAP = 20 DIA.

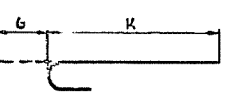
BAR	E	F
S2	3'-4"	2'-2"
S3	3'-2"	2'-2"
S4	1'-2"	1'-11"

BARS
 S2, S3 & S4



BAR	C	D
S5	2'-0"	1'-4"
S6	2'-3"	1'-4"
S7	2'-7"	1'-6"
S8	2'-4"	1'-6"
S9	2'-7"	1'-4"
S10	2'-4"	1'-4"
S11	3'-0"	2'-2"
S12	4'-1"	2'-2"
U3	2'-0"	2'-1"
U4	1'-6"	2'-1"

BARS
 S5 THRU S12,
 U3 & U4



BAR	G	K
n1	1'-3"	6'-11"
n2	1'-1"	6'-7"

BARS n1 & n2

PILE DATA	
PILE TYPE	B B P 36
MIN. CAPACITY TONS	29
NO. REQUIRED	16
EST. LENGTH FEET	25
CUT OFF ELEV.	600.00

BILL OF MATERIAL		
ITEM	UNIT	QUANTITY
CLASS A EXCAVATION	CU YD	90
CLASS X CONCRETE	CU YD	58.8
REINFORCEMENT BARS	POUND	9050
FURNISHING STEEL PILES B B P 36	LIN FT	368
DRIVING STEEL PILES	LIN FT	368

ILLINOIS DIVISION OF HIGHWAYS
 SOUTHWEST EXPRESSWAY
LAWDALE AVE. OVER RAMP E
 PIER II

SCALE: AS NOTED DATE: _____

DE LEW, CATHER & CO. ENGINEERS
 DESIGNED BY Y. N. HUI
 DRAWN BY F. BORINAS
 CHECKED BY E. S. MARTINS
 IN CHARGE E. S. MARTINS
 APPROVED L. N. RIAN

JOB NO. 1179

FILE NAME	USER NAME	DESIGNED	REVISIONS
0160486.60J16.X16.exist.pier11.dgn	tjenicke	FSM	FSM
		RMM	RMM
		FSM	FSM
		RMM	RMM

FOR INFORMATION ONLY

F.A.P. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
373	2013-038B-R	COOK	821	706
CONTRACT NO.			60J16	

ILLINOIS FED. AID PROJECT

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