

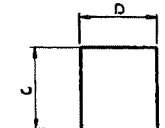
BEAM	A	B
B1	5'-6"	4'-6"
B2	5'-6"	4'-6"
B3 THRU B6	5'-6"	4'-6"

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

KEY TO BAR INDICATION:
 3x2-95 ETC. MEANS 3 LINES OF BARS WITH 2 LENGTHS PER LINE.
 MIN. BAR LAP = 20 DIA.

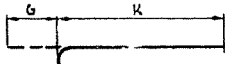
BAR	E	F
S2	9'-4"	2'-2"
S3	9'-2"	2'-2"
S4	1'-2"	1'-11"

BARS
 S2, S3 & S4



BAR	C	D
S9	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'-1"	1'-4"
S11	3'-0"	2'-2"
S12	2'-10"	2'-2"
U3	2'-0"	2'-1"
U4	1'-6"	2'-1"

BARS
 S9 THRU S12, U3 & U4



BAR	G	K
N5	1'-3"	3'-8"
N6	1'-1"	3'-4"

BARS
 N5 & N6

PILE DATA	
PILE TYPE	85P36
MIN. CAPACITY TONS	29
NO. REQUIRED	16
EST. LENGTH FEET	20
CUT OFF ELEV.	597.00

BILL OF MATERIAL		
ITEM	UNIT	QUANTITY
CLASS A EXCAVATION	CU YD	72
CLASS X CONCRETE	CU YD	56.8
REINFORCEMENT BARS	POUND	9489
FURNISHING STEEL PILES 85P36	LIN FT	320
DRIVING STEEL PILES	LIN FT	320

BAR LIST				
BAR	NO.	SIZE	LENGTH	SHAPE
h25	8	5	24'-6"	
h24	9	10	55'-9"	
h25	6	5	35'-9"	
n5	28	9	6'-11"	
n6	12	8	6'-5"	
P4	6	10	92'-9"	
P5	8	10	11'-6"	
P8	8	5	7'-9"	
P14	6	10	17'-0"	
P15	5	10	35'-6"	
S2	26	4	11'-9"	
S3	7	4	11'-5"	
S4	45	4	6'-11"	
S9	40	4	5'-4"	
S6	40	4	5'-10"	
S7	64	4	6'-8"	
S8	56	4	6'-2"	
S9	52	4	6'-6"	
S10	28	4	6'-0"	
S11	55	5	8'-2"	
S16	55	5	7'-10"	
t	37	5	5'-6"	
U3	6	6	6'-1"	
U4	8	5	5'-1"	
V11	28	9	17'-3"	
V12	12	8	17'-0"	
W5	14	8	18'-5"	

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: 9P4 MEANS BARS P4 FOR PIER 9

ILLINOIS DIVISION OF HIGHWAYS			
SOUTHWEST EXPRESSWAY			
LAWDALE AVE. OVER RAMP E			
PIER 9			
SCALE: AS NOTED	DATE		

DE LEWY, CATHY & CO. ENGINEERS
 DESIGNED BY: Y.H. HUI
 DRAWN BY: E. BOBINAS
 CHECKED: E. BOBINAS
 IN CHARGE: E.S. MARTINS
 APPROVED: L.N. RIAN

JOB NO. 1179

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS PIER 9
 STRUCTURE NO. 016-0486

SHEET NO. SGX14 OF SGX48 SHEETS

FOR INFORMATION ONLY

F.A.P. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
373	2013-038B-R	COOK	821	704
CONTRACT NO.			60J16	

ILLINOIS FED. AID PROJECT

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	DESIGNED	CHECKED	REVISIONS
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		FSM	RMM	
		RMM	RMM	

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