

TABLE OF FILL PLATES AT BEARINGS

UNIT 1									
LOCATION	G 4	G 5	G 6	G 7	G 15	G 16	G 17		
PIER 7	-	-	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	-	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'		
PIER 8	-	-	9'-4 1/2" x 9'-4 1/2" x 9'	9'-4 1/2" x 9'-4 1/2" x 9'	-	9'-4 1/2" x 9'-4 1/2" x 9'	9'-4 1/2" x 9'-4 1/2" x 9'		
PIER 9	-	-	11'-2 1/2" x 11'-2 1/2" x 11'	11'-2 1/2" x 11'-2 1/2" x 11'	11'-2 1/2" x 11'-2 1/2" x 11'	11'-2 1/2" x 11'-2 1/2" x 11'	11'-2 1/2" x 11'-2 1/2" x 11'		
PIER 10	9'-1 1/2" x 9'-1 1/2" x 9'	9'-1 1/2" x 9'-1 1/2" x 9'	9'-1 1/2" x 9'-1 1/2" x 9'	9'-1 1/2" x 9'-1 1/2" x 9'	9'-1 1/2" x 9'-1 1/2" x 9'	9'-1 1/2" x 9'-1 1/2" x 9'	9'-1 1/2" x 9'-1 1/2" x 9'		
PIER 11	G 1	G 2	G 3	G 4	G 5	G 6	G 7	G 8	
	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	
	G 9	G 10	G 11	G 12	G 13	G 14	G 15	G 16	
	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	
	G 17	G 18	G 19	G 20	G 21	G 22			
14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'				

UNIT 2									
LOCATION	G 23	G 25	G 29	G 30	G 37	G 42			
PIER 11	-	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	-			
PIER 12	-	9'-4 1/2" x 9'-4 1/2" x 9'	9'-4 1/2" x 9'-4 1/2" x 9'	9'-4 1/2" x 9'-4 1/2" x 9'	9'-4 1/2" x 9'-4 1/2" x 9'	-			
PIER 13	-	11'-2 1/2" x 11'-2 1/2" x 11'	11'-2 1/2" x 11'-2 1/2" x 11'	11'-2 1/2" x 11'-2 1/2" x 11'	11'-2 1/2" x 11'-2 1/2" x 11'	-			
PIER 14	-	9'-4 1/2" x 9'-4 1/2" x 9'	9'-4 1/2" x 9'-4 1/2" x 9'	9'-4 1/2" x 9'-4 1/2" x 9'	9'-4 1/2" x 9'-4 1/2" x 9'	-			
PIER 15	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	-			

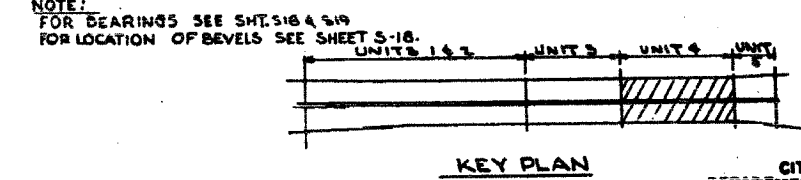
UNIT 3									
LOCATION	G 40	G 42	G 45	G 47	G 50	G 51	G 58	G 59	
PIER 15	-	-	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	-	-
PIER 16	-	-	-	11'-2 1/2" x 11'-2 1/2" x 11'	11'-2 1/2" x 11'-2 1/2" x 11'	-	-	-	-
PIER 17	11'-2 1/2" x 11'-2 1/2" x 11'	11'-2 1/2" x 11'-2 1/2" x 11'	-	-	-	-	-	-	-
PIER 18	-	-	-	11'-2 1/2" x 11'-2 1/2" x 11'	11'-2 1/2" x 11'-2 1/2" x 11'	-	-	-	-
PIER 19	-	-	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	-	14'-3 1/2" x 11'-14 1/2" x 11'	-	-

UNIT 4									
LOCATION	G 67	G 68	G 70	G 75	G 77	G 79	G 80		
PIER 19	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'		
PIER 20	-	-	9'-4 1/2" x 9'-4 1/2" x 9'	9'-4 1/2" x 9'-4 1/2" x 9'	9'-4 1/2" x 9'-4 1/2" x 9'	9'-4 1/2" x 9'-4 1/2" x 9'	9'-4 1/2" x 9'-4 1/2" x 9'		
PIER 21	-	-	11'-2 1/2" x 11'-2 1/2" x 11'	11'-2 1/2" x 11'-2 1/2" x 11'	11'-2 1/2" x 11'-2 1/2" x 11'	11'-2 1/2" x 11'-2 1/2" x 11'	11'-2 1/2" x 11'-2 1/2" x 11'		
PIER 22	11'-2 1/2" x 11'-2 1/2" x 11'	9'-4 1/2" x 9'-4 1/2" x 9'	9'-4 1/2" x 9'-4 1/2" x 9'	-	-	9'-4 1/2" x 9'-4 1/2" x 9'	11'-2 1/2" x 11'-2 1/2" x 11'		
PIER 23	G 69	G 70	G 71	G 75	G 76	G 77	G 78		
	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'	14'-3 1/2" x 11'-14 1/2" x 11'		

TOTAL WEIGHT OF FILL PLATES = 2,685 POUNDS.

TABLE OF BEVELS OF SOLE PLATES

	UNIT # 1	UNIT # 2	UNIT # 3	UNIT # 4
	PIER # 7	PIER # 11	PIER # 15	PIER # 19
G 1 TO G 22	7/8"	5/8"	-	-
G 23 TO G 42	-	-	5/8"	-
G 43 TO G 62	-	-	5/8"	5/8"
G 63 TO G 84	-	-	-	5/8"



GIRDER	A	B	C	D	S-1	S-2	S-3	S-4	COVER R1	COVER R2	COVER R3
G 3	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	11'-3 1/2" x 11'-11" x 11'-0"	11'-3 1/2" x 11'-11" x 11'-0"	11'-3 1/2" x 11'-11" x 11'-0"
G 4	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 5	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 6	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 7	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 8	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 9, 78									10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 10, 71, 72, 75, 76, 77									10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 11									10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 12									10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 13									10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 14									10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 15	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 16	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 17	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 18	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 19	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 20	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 21	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 22	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 23	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"
G 24	80'-2"	81'-0"	44'-2"	80'-6"	62'-3"	80'-0"	80'-0"	62'-7 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"	10'-4 1/2" x 10'-4 1/2" x 10'-4 1/2"

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
GIRDERS	POUND	3,882,205
DIAPHRAGMS	POUND	78,465
FILL PLATES	POUND	2,685

ASTM TYPE A7
INCLUDED IN WEIGHT ON SHT. 312

Sheet S15 of 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 FABRICATION CONTRACT
 NB DAN RYAN ELEVATED BRIDGE
 REPAIR FROM 15TH TO 28TH STREETS
 EXISTING PLAN INFORMATION SN 016-0137
 SCALE: NTS
 DATE: 5/23/2005
 DRAWN BY: BDC
 CHECKED BY: BLU

FOR INFORMATION ONLY

Designed By: J.B.
 Drawn By: P.M.T.
 Checked By: R.M.S.
 In Charge: H.S. HALL
 Approved By: L.R. WAIN

BOWMAN, BARRETT & ASSOCIATES INC.
 CONSULTING ENGINEERS
 100 EAST RANDOLPH STREET SUITE 200 CHICAGO, ILLINOIS 60601
 312.587.1800

5/23/2005 5:26:37 AM
 94/90 SHEETS 160_134_0104.DGN
 11/20/05 10:59:47 AM