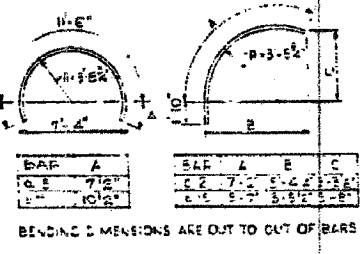


BAR	A	B	C	D	E	F
B-1	2-0	2-0	2-0	2-0	2-0	2-0
B-2	4-0	4-0	4-0	4-0	4-0	4-0
B-3	4-0	4-0	4-0	4-0	4-0	4-0
B-4	4-0	4-0	4-0	4-0	4-0	4-0



NOTES:  
 MINIMUM STEEL CLEARANCE SHALL BE 2" EXCEPT AS NOTED  
 MINIMUM LAP OF REINFORCEMENT SHALL BE 33 DIAMETERS  
 SPREAD IF POSSIBLE OR FURN OFF REINFORCING BARS

REINFORCING  
 TYPE S - 24 N SHOWN  
 TYPE B - 24 S OPPOSITE SITE

BAR NO.	SIZE	LENGTH	SHAPE	WEIGHT
Q3	16	4	28'-6"	273
Q4	8	4	28'-6"	181
Q5	25	4	12'-9"	213
Q6	6	4	28'-10"	104
Q7	26	4	7'-4"	127
D17	29	5	6'-6"	196
C5	29	6	4'-8"	203

F.A.I. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2022-2587	COOK	90	54

BILL OF MATERIAL				
BARS TYPICAL OF ALL TYPE B MANHOLES				
BAR NO.	SIZE	LENGTH	SHAPE	WEIGHT
B1	5	7	2'-0"	40
B2	14	4	2'-0"	113
B3	29	4	2'-0"	113
B4	5	4	2'-0"	32
B5	12	4	2'-0"	113
B6	14	4	2'-0"	113
B7	14	4	2'-0"	113
B8	14	4	2'-0"	113
B9	14	4	2'-0"	113
B10	14	4	2'-0"	113
B11	14	4	2'-0"	113
B12	14	4	2'-0"	113
B13	14	4	2'-0"	113
B14	14	4	2'-0"	113
B15	14	4	2'-0"	113
B16	14	4	2'-0"	113
B17	14	4	2'-0"	113
B18	14	4	2'-0"	113
B19	14	4	2'-0"	113
B20	14	4	2'-0"	113

ADDITIONAL BARS FOR MANHOLE AT STATION				
BAR NO.	SIZE	LENGTH	SHAPE	WEIGHT
Q3	16	4	28'-6"	240
Q4	8	4	28'-6"	136
Q5	25	4	12'-9"	136
Q6	6	4	28'-10"	94
Q7	26	4	7'-4"	113
D17	29	5	6'-6"	176
C5	29	6	4'-8"	182

ADDITIONAL BARS FOR MANHOLE AT STATION				
BAR NO.	SIZE	LENGTH	SHAPE	WEIGHT
Q3	16	4	28'-6"	332
Q4	8	4	28'-6"	182
Q5	25	4	12'-9"	250
Q6	6	4	28'-10"	127
Q7	26	4	7'-4"	152
D17	29	5	6'-6"	297
C5	29	6	4'-8"	248

ADDITIONAL BARS FOR MANHOLE AT STATION				
BAR NO.	SIZE	LENGTH	SHAPE	WEIGHT
Q3	16	4	28'-6"	231
Q4	8	4	28'-6"	126
Q5	25	4	12'-9"	213
Q6	6	4	28'-10"	104
Q7	26	4	7'-4"	127
D17	29	5	6'-6"	203
C5	29	6	4'-8"	210

ADDITIONAL BARS FOR MANHOLE AT STATION				
BAR NO.	SIZE	LENGTH	SHAPE	WEIGHT
Q3	16	4	28'-6"	273
Q4	8	4	28'-6"	181
Q5	25	4	12'-9"	213
Q6	6	4	28'-10"	104
Q7	26	4	7'-4"	127
D17	29	5	6'-6"	196
C5	29	6	4'-8"	203

ADDITIONAL BARS FOR MANHOLE AT STATION				
BAR NO.	SIZE	LENGTH	SHAPE	WEIGHT
Q3	16	4	28'-6"	273
Q4	8	4	28'-6"	181
Q5	25	4	12'-9"	213
Q6	6	4	28'-10"	104
Q7	26	4	7'-4"	127
D17	29	5	6'-6"	196
C5	29	6	4'-8"	203

ILLINOIS DIVISION OF HIGHWAYS  
 SOUTH EXPRESSWAY  
 REINFORCING  
 SPECIAL MANHOLE TYPE "B" 24  
 MAIN DRAIN

BOWMAN, BARRETT & ASSOCIATES INC.  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbainc.com

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

SHEET JC-13 OF JC-22  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 NB EXPRESS LANE RECONSTRUCTION  
 JUNCTION CHAMBERS  
 EXISTING DROP MANHOLE PLANS

SCALE: NTS  
 DATE: 07/07/05  
 DRAWN BY: BDC  
 CHECKED BY: BLU

6/21/2005 4:51:22 PM  
 I:\660\COOK\MAIN\STRUCTURES\6601.JC13.DWG