



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

REINFORCING
 TYPE B-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'-4"	151
Q5	25	4	12'-9"	213
Q6	6	4	28'-10"	104
Q7	26	4	7'-6"	127
D17	29	5	6'-6"	196
C8	29	6	4'-8"	203

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	94/90	COOK	598	465

BILL OF MATERIAL
 BARS TYPICAL OF ALL TYPE "B" MANHOLES
 R.A.P. NO. SIZE LENGTH SHAPE WEIGHT

BAR NO.	SIZE	LENGTH	SHAPE	WEIGHT
D1	5	5	7'-	40
D2	14	5	7'-	117
D3	8	5	7'-	56
E2	27	2	2'-0"	118
D5	5	5	7'-	40
D6	12	5	7'-	105
D8	16	5	7'-	173
D9	14	5	7'-	161
D10	2	7	7'-	25
D11	8	7	7'-	87
D12	12	7	7'-	145
D13	4	9	7'-	102
D14	6	9	7'-	28
D15	16	9	7'-	33
D16	10	5	8'-0"	57
C1	6	6	2'-5"	78
C2	10	6	2'-5"	145
C3	6	6	2'-5"	35
C4	2	6	2'-5"	11
MK Q1	13	7	15'-0"	348
MK Q2	15	5	9'-0"	144
MK B1	13	11	13'-0"	888
MK D2	13	5	7'-6"	102
MK H1	38	8	11'-0"	678

ADDITIONAL BARS FOR MANHOLE AT STATION:
 I11 + 20 & 18.5 + 0

BAR NO.	SIZE	LENGTH	SHAPE	WEIGHT
Q3	16	4	28'-6"	246
Q4	8	4	28'-10"	136
Q5	25	4	12'-9"	94
Q6	6	4	28'-10"	118
Q7	26	4	7'-6"	176
D17	29	5	6'-6"	182
C8	29	6	4'-8"	182

ADDITIONAL BARS FOR MANHOLE AT STATION:
 I11 + 20 & 18.5 + 0

BAR NO.	SIZE	LENGTH	SHAPE	WEIGHT
Q3	16	4	28'-6"	592
Q4	8	4	28'-10"	182
Q5	25	4	12'-9"	256
Q6	6	4	28'-10"	127
Q7	26	4	7'-6"	182
D17	29	5	6'-6"	287
C8	29	6	4'-8"	249

ADDITIONAL BARS FOR MANHOLE AT STATION:
 I11 + 20 & 18.5 + 0

BAR NO.	SIZE	LENGTH	SHAPE	WEIGHT
Q3	16	4	28'-6"	781
Q4	8	4	28'-10"	186
Q5	25	4	12'-9"	215
Q6	6	4	28'-10"	108
Q7	26	4	7'-6"	127
D17	29	5	6'-6"	203
C8	29	6	4'-8"	210

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	DATE

SHEET JC-13 OF JC-22
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 SB EXPRESS LANE RECONSTRUCTION
 JUNCTION CHAMBERS
 EXISTING DROP MANHOLE PLANS
 SCALE: NTS
 DATE: 07/07/05
 DRAWN BY: BDC
 CHECKED BY: BLU