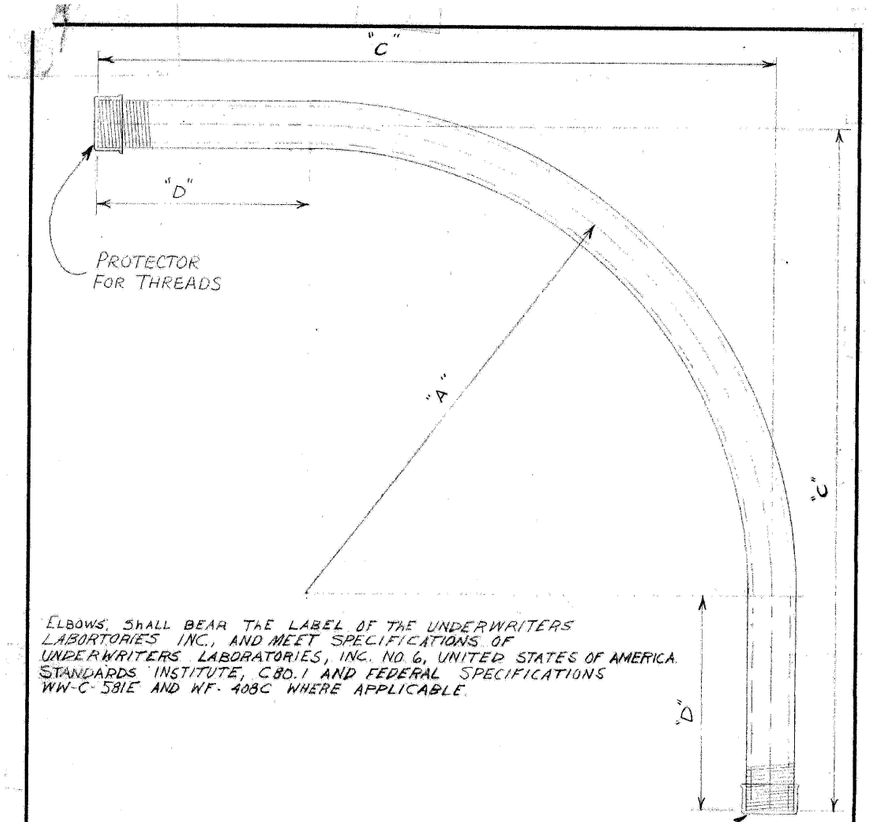
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2021.1B-R	COOK	101	055
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62532



ELBOWS SHALL BEAR THE LABEL OF THE UNDERWRITERS LABORTORIES INC., AND MEET SPECIFICATIONS OF UNDERWRITERS LABORATORIES, INC. NO. 6, UNITED STATES OF AMERICA STANDARDS INSTITUTE, C80.1 AND FEDERAL SPECIFICATIONS WW-C-581E AND WF-408C WHERE APPLICABLE.

NOTE:
TWO THREAD PROTECTORS TO BE FURNISHED ON EACH ELBOW, PROTECTOR TO COVER A MINIMUM OF TEN THREADS.

TABLE OF DIMENSIONS

CONDUIT SIZE	DIMENSIONS "A"	"C"	"D"	COMMODITY CODE
1¼"	24"	35"	11"	09-4001-0510
1½"	24"	35"	11"	09-4001-0520
2"	24"	35"	11"	09-4001-4126
2½"	24"	35"	11"	09-4001-4128
3"	24"	35"	11"	09-4001-4230
4"	24"	35"	11"	09-4001-0000

B	SPECIFICATIONS REVISED
A	REVISED DIMENSIONS ON 3" & 4" CONDUIT L.P.

ELBOW, CONDUIT, RIGID GALVANIZED STEEL, LARGE RADIUS

REVISED		CITY OF CHICAGO		
A	7-22-71	DEPT. OF STREETS AND SANITATION		
B	4-3-79	BUREAU OF ELECTRICITY		
C		DIVISION OF ELECTRICAL ENGINEERING		
D		DRAWN: LON BURDY	CHECKED: M.S.	ENGINEER: M. SHINE
E		DEPUTY IN CHARGE: [signature]		DRG. NO. 11825
F		SUPT. OF POWER: [signature]		
G		DEPUTY COMM.: [signature]		DATE 6-2-71

SIZE 8½" x 14" SCALE: 3/16"

• 7 CONDUCTOR - 7 POINT STRIP •

7	COMMON WHITE	
6	WHITE BLK. TR.	E & W RED
5	BLACK - SOLID	" AMBER
4	BLUE - "	" GREEN
3	RED - "	N & S RED
2	ORANGE - "	" AMBER
1	GREEN "	" GREEN

• 14 CONDUCTOR - 10 POINT STRIP •

10	COMMON WHITE
9	RED WHITE TRACER
8	ORANGE " "
7	GREEN " "
6	RED BLACK TRACER
5	ORANGE " "
4	GREEN " "
3	RED - SOLID
2	ORANGE - SOLID
1	GREEN - SOLID

GREEN BLUE TRACER, ORANGE " ", RED " ", BLACK - SOLID } SPLICED & TAPED

• 22 CONDUCTOR-CODE • • 19/c CODE - OMIT "19" "21" "22" •

1	WH	RED/BLACK TR. COMMON
2	WH	RED/GREEN TR. COMMON (SPARE)
3	R	BLACK TR. NO. BOUND
4	A	" " " "
5	G	" " " "
6	R	SOLIDS SO. BOUND
7	A	" " "
8	G	" " "
9	BK	" NEON OR ARROW
10	R	BLUE TR. EAST BOUND
11	A	" " " "
12	G	" " " "
13	R	WHITE TR. WEST BOUND
14	A	" " " "
15	G	" " " "
16	BL	SOLID — SPECIAL
17	BL	AMBER TR — "
18	BL	WHITE TR — "
19	WH	RED TR — "
20	WH	SOLID — "
21	WH	BLACK TR — "
22	BK	WHITE TR — "

• 10 CONDUCTOR - 7 POINT STRIP •

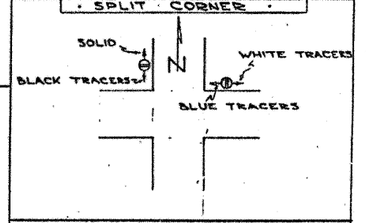
7	COMMON - WHITE	
6	RED BLK. TR.	E & W RED
5	ORANGE BLK. TR.	" AMBER
4	GREEN BLK. TR.	" GREEN
3	RED - SOLID	N & S RED
2	ORANGE - "	" AMBER
1	GREEN - "	" GREEN

SOLID BLUE, SOLID BLACK, BLUE BLK. TR } SPLICED & TAPED

• 14 CONDUCTOR - 14 POINT STRIP •

14	COMMON WHITE
13	BLACK
12	RED - BLUE TRACER
11	ORANGE - " "
10	GREEN - " "
9	RED - WHITE TRACER
8	ORANGE - " "
7	GREEN - " "
6	RED - BLACK TRACER
5	ORANGE - " "
4	GREEN - " "
3	SOLID RED
2	SOLID ORANGE
1	SOLID GREEN

• SPLIT CORNER •

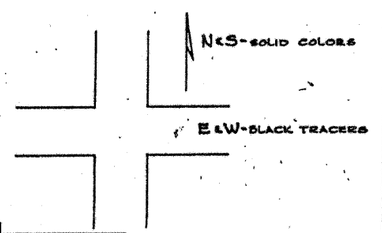


• 10 CONDUCTOR - 10 POINT STRIP •

10	COMMON - WHITE
9	BLUE BLK. TRACER #
8	BLACK - SOLID #
7	BLUE - SOLID #
6	RED BLK. TRACER E & W RED
5	ORANGE BLK. " " AMBER
4	GREEN BLK. " " GREEN
3	RED - SOLID N & S RED
2	ORANGE - SOLID " AMBER
1	GREEN - SOLID " GREEN

- SOLID BLUE - GREEN LIGHT, # - SOLID BLACK - AMBER " , # - BLUE BLACK TR. RED " } IF USED

• STRAIGHT CORNER •



NOTE: CONDUCTORS FOR WALK SIGNALS & VARIOUS MESSAGE SIGNS AT DISCRETION OF INSTALLER

TRAFFIC CONTROL SIGNALS STRIP WIRING LAYOUT

REVISED		CITY OF CHICAGO		
A	5-4-61	DEPT OF STREETS AND SANITATION		
B	11-10-64	DIVISION OF ELECTRICAL OPERATION		
C		DRAWN: R.R.B.	CHECKED: [signature]	ENGINEER: C.C. Bradley
D		DES'N CHIEF: [signature]		DRG. NO. 12268-A
E		SUPERINTENDENT		
F		SIZE 16"x21"	COMMISSIONER	DATE 11-8-56
G				

5 (39)

ES-19

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
111TH STREET OVER
F.A.I ROUTE 57 (INTERSTATE 57)

ELECTRICAL STANDARD DETAILS

SCALE: NONE — DRAWN BY: N/A
DATE: 01/16/09 — CHECKED BY: N/A

TENG

TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE: 312/616-0000

...\ITH ST BORDER.DGN
H16-2009, H50.22
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63
I:\DOCUMENT\930860\DGN\L-DOA.DGN 10:08:07 MT.DGN
IEC\TBR