| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | * | COOK | 907 | 402 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

* (1516.1, 1717 & 1818) R-9

62695

APPROVED AS WORKING PLAN

BY

REVISIONS OF WORKING PLAN

| FEDERAL-AID ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | | | | |
| FHWA REG. NO. | ILLINOIS PROJECT | | | |

STREET LIGHT MAST ARM
4'-DRG.# C601
6'-DRG.# C602
8'-DRG.# C20

POLE PLATE WITH STAINLESS STEEL BANDS.

ELEVATOR PLUMBIZER
PART N: ECONOLITE
N:0700Z210,
OR EQUIVALENT.

HI-TENSILE ALUMINUM BRACKET
ROUND BACK PART N: L.B. ULB-1
OR EQUIVALENT.

MOUNTING BRACKET PART N:
LB. ULBSX-1 ORC-OR EQUIV.

15'-0" MIN. TYP.

10'-0 MIN. TYP.

GRADE

NOTE: ALL HOLES ARE TO BE DRILLED IN POLES OR POSTS. CARE SHOULD BE TAKEN TO SEE THAT NO MORE THAN TWO HOLES ARE DRILLED IN THE SAME HORIZONTAL PLANE SO AS NOT TO WEAKEN THE OVERALL STRENGTH OF THE MATERIAL.

ARM LENGTH AS SPECIFIED ON THE PLAN

REMOVABLE CAP TYP.

AS SHOWN ON PLAN

MAST ARM MOUNTED MESSAGE SIGN.

SEE DETAIL "A" TYP.

NOTE:
OVERHEAD SIGNALS SHALL HAVE A MINIMUM CLEARANCE OF 15'-0" ABOVE PAVEMENT GRADE.

18'-0" MIN. TYP.

POLE ANCHOR BASE STEEL
36'-6" GA. ϕ DIA. AS SHOWN ON PLANS.

4"x6" HANDHOLE WITH FRAME AND COVER

GROUND LUG OPPOSITE HANDHOLE

CAST IRON BOLT COVERS (4 REQ'D)

8'-0" MIN. TYP.

GRADE

MAST ARM MOUNTED TYPE

SIGNAL ARM

ASTRO-BRAC-116

SLOTTED TUBE WITH VINYL INSERT

HEAVY DUTY 5/8" STAINLESS STEEL BAND.

ALUMINUM CLAMP KIT

STEEL CLAMP STRAPS OR STAINLESS STEEL U BOLTS

SET SCREWS

LOWER ARM WITH BOTTOM COVER PLATE FOR WIRING

DETAIL "A"
STEEL MAST ARM
MOUNTING DETAIL

NOTE: FOR OPTICALLY PROGRAMMED SIGNAL LONGER SIGNAL ARMS REQUIRED. (ASTRO-BRAC AB-103)

POLE PLATE WITH STAINLESS STEEL BANDS.

TYPICAL POLE MOUNTED MESSAGE SIGN 24"x30"

14'-8" M.H. TYP.

GRADE

STAINLESS STEEL BANDS

ALINCO ELECT SALES PART N: PBA-1000-ZB OR EQUIV.

PUSH BUTTON FACE TO BE INSTALLED FACING TRAFFIC

4'-0" HOLE LOC.

GRADE

PEDESTRIAN PUSH BUTTON

LONG SWEEP ELBOW

2" CONDUIT

2'-8"

4'-0" HOLE LOCATION

ELBOW

GRADE

EMBEDDED POLE

JUNCTION BOX FOR MULTIPLE CONDUCTOR CABLE
PART N: L.B.-16-6-4
OR EQUIVALENT

LONG SWEEP ELBOW
PART N: L.B. 16-4AA2
OR EQUIVALENT.

JUNCTION BOX

MTG. BRACKET DRG. # 11984

.030 GA. x 5/8" STAINLESS STEEL BANDS

10"

4'-0" HOLE LOCATION

GRADE

ANCHOR BASE POLE

| DATE | REVISION |
|---|---|
| | |

WORK ORDER NO. _____ DATE _____

COST ALLOCATION ACCOUNT _____

APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____

# TYPICAL TRAFFIC SIGNAL MOUNTING DETAILS

**CITY OF CHICAGO**
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

| | | |
|---|---|---|
| DRAFTSMAN: K. Fuqua | CHIEF DRAFTSMAN: RJS | ENGINEER: M. DeSantiago |
| SUPERVISING ENGINEER: | ELEC. SYSTEM ENGR.: R. Wentz | DWG. NO. 834 |
| ENGINEER OF ELECTRICITY: Michael J. Adams | | |
| GEN'L. SUPT. OF ELECTRICITY: Peter M. Lee | | |
| DEPUTY COMMISSIONER: Frank A. Fitzgerald | | |
| SIZE: | SCALE: N.T.S. | DATE: 12-10-84 |

KNIGHT
Engineers & Architects

| REVISIONS | |
|---|---|
| NAME | DATE |
| | |
| REVISED | 04/15/05 |

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (DAN RYAN EXPRESSWAY)

CITY OF CHICAGO

BUREAU OF ELECTRICITY STANDARDS

SCALE:

DRAWN BY: REW

DATE: MARCH 25, 2005

CHECKED BY: WHI

FILE: L:\1653\02\Cad\Sheets\Revised 1791\04-15-05\1653202 Sigfor01 Rev04505.dgn