

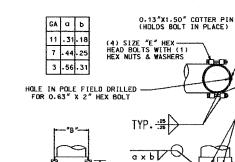
INDICATES MAX. AND MIN.
I. D. RANGE FOR ARM CLAMP



(INCHES)	(INCHES)	(INCHES)	(FEET)	GAUGE	(POUNDS)	(POUNDS)	(INCHES)
7.45-7.95	7.0	4.76	16	7	241	1700	6.5
7.45-7.95	7.0	4.20	20	7	274	1300	12.0
7-45-7-95	7.0	3.36	26	7	315	1000	24.0
8.45-8.95	8.0	3.80	30	7	409	1100	29.0
9.95-10.45	9.0	4.10	35	7	529	1200	36.0
9.95-10.45	9.0	3.40	40	7	559	1000	52.0
9.95-10.45	10.0	3.84	44	7		1200	57.0

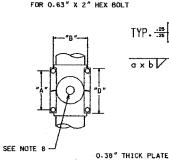
NOTES:

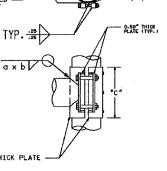
- 1. TRAFFIC SIGNAL ARM SHAFT ASTM DESIGNATION: A595 GRADE C. 60.000 PSI MINIMUM YIELD STRENGH WITH A LINEAR TAPER -0.14"/FT.
- 2. TRAFFIC SIGNAL ARM END CAP SECURED IN PLACE WITH 3 SET SCREWS AND 1 THRU ARM END BOLT. (PLATED HARDWARE)
- 3. ALL THREADED FASTENERS TO BE GALVANIZED TO ASTM DESINATION: A153
- 4. ALL VEHICULAR AND/OR PEDESTRIAN SIGNAL LIGHTS AND NECESSARY HARDWARE FOR ATTACHMENT TO BE FIELD LOCATED AND FURNISHED BY OTHERS.
- ALL ARM END CAPS AND ARM CLAMPS TO BE FULLY ASSEMBLED AND ATTACHED TO THE ARM PRIOR TO SHIPPING.
- 6. ARM ASSEMBLY TO BE DEGREASED: CLEANED: CHEMICALLY PRETREATED: GIVEN AN EXTERIOR THERMOSETTING POLYESTER POWDER COAT; AND AN INTERIOR THERMOPLASTIC HYDROCARBON RESIN POWDER COAT. ALL PAINTING TO BE IN ACCORDANCE WITH SPECIFICATION 1454, SECTION 8.
- "PAINTING". 7. MAST ARM SHALL BE TESTED IN ACCORDANCE WITH SPECIFICATION 1454.
- SECTION 9 WITH TEST VALUES AS SHOWN ON THE "ARM DATA" TABLE.
- 8. HOLE IN CLAMP TO BE 4.0" (MIN.). HOLE TO BE GROUND SMOOTH AND DEBURRED TO PROVIDE A SMOOTH WIRE ENTRY FROM POLE TO MAST ARM.



DETAIL II

ARM ATTACHMENT





TZE: 16" | 22"

STEEL TRAFFIC SIGNAL MAST ARM-MONOTUBE CITY OF CHICAGO ROBERT CARTER RON POOL SUL OF PLECTRICITY
IT COMPLETE SULLEY MUSPLE

B 10-29-02 REFERENCES SPEC. 1454

A 8-6-93 WIRE OPENING ON MAST ARM

REVISION UPERSEDES DNG. DATED DEC. 1991

B0E-27

COUNTY TOTAL SHEETS NO.

COOK TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

SECTION 90/94 2004-098TS

62839

DATE: DEC. 1991

ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
TRAFFIC SIGNALS AT 59TH STREET AND
WENTWORTH AVENUE / WELLS STREET

BOE STANDARD DETAILS

SCALE: NOT TO SCALE DATE: November 12, 2004 DRAWN BY: HAR CHECKED BY: WDS

SIGNAL ARM ATTACHMENT DATA "A" "B" "C" "D" "E" CLAMP RANGE 7.25" 9.92" 10.80" 10.32" 1.00" X 7.50" 7.45" - 7.95" 8.45" - 8.95" 9.00" 10.66" 13.06" 12.50" 1.00" X 8.00" 9.95" - 10.45" 10.25" 12.66" 15.30" 13.50" 1.25" X 8.50"

0.00 - 0.00-

DETAIL I

I. D. TAG

I. D. TAG TO BE MOUNTED ON THE TOP OF THE POLE AS INDICATED. USING 2 "GRIP-NAIL" FASTENERS.

CTE ENGINEERS CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC. 303 EAST WACKER DRIVE, SUITE 600 CHICAGO ILLINOIS 60601-5212, PHONE: (312) 938-0300