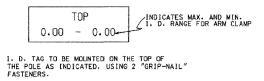


ARM DATA

(INCHES)	POLE END (INCHES)	(INCHES)	(FEET)	CAUGE	WEIGHT (POUNDS)	(POUNDS)	MAX. DEFLECTION (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
						1	

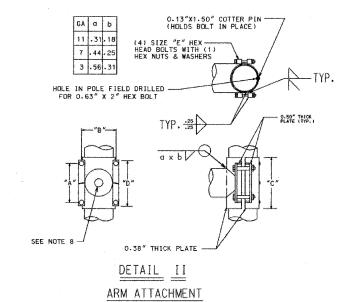
NOTES:

- 1. TRAFFIC SIGNAL ARM SHAFT ASTM DESIGNATION:
 A595 GRADE C. 60.000 PSI MINIMUM YIELD STRENGH WITH A LINEAR TAPER
- 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
- 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.
- 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".
- MAST ARM SHALL BE TESTED IN ACCORDANCE WITH SPECIFICATION 1454. SECTION 9 WITH TEST VALUES AS SHOWN ON THE "ARM DATA" TABLE.
- HDLE 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 I I. D. TAG

					4-8
CLAMP RANGE	"A"	"B"	"c"	"D"	"E "
7.45" - 7.95"	7,25"	9.92"	10.80"	10.32"	1.00" X 7.50
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
			,,		
					ting in the large terms of the second section in the second section is the second section of the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the section is the second section in the section is the second section in the section is the section in the section in the section is the



B 10-29-02 REFERENCES SPEC. 1454 4 8-6-93 WIRE DENING ON MAST ARM REVISION UPERSEDES DWG. DATED DEC. 1991 STEEL TRAFFIC SIGNAL MAST ARM-MONOTUBE ROBERT CARTER RON POOL Ty completion & Musple 22*

ES-13

ILLINOIS DEPARTMENT OF TRANSPORTATION 112TH PLACE OVER F.A.I ROUTE 57 (INTERSTATE 57)

SECTION

CONTRACT NO. 62533

1920.1B-R

COUNTY СООК

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

101 051

ELECTRICAL STANDARD DETAILS

DRAWN BY: N/A

SCALE:

REVISIONS NAME

TENG

CHECKED BY: N/A TENG & ASSOCIATES INC. ENGINEERS/ARCHITECTS/PLANMERS 205 N. MICHIGAN AVE. CHICAGO, IL 60601