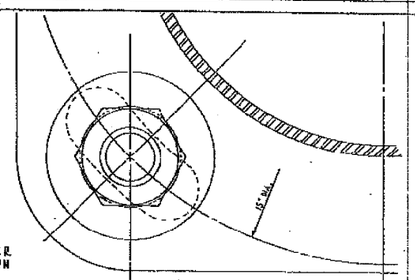
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-064TS	COOK	40	34
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

62803



NOTE:
BOLT COVER
NOT SHOWN

INSTALLATION NOTES

STEP 1 COAT EXPOSED PORTION OF ANCHOR BOLTS WITH APPROVED ANTI RUSTING GREASE ("NO-OX" OR EQUAL).

STEP 2 INSTALL LOWER LEVELLING NUTS & WASHERS. SET AT PROPER GRADE WITH HAND LEVEL. USE TABLE FOR APPROPRIATE DIMENSIONS.

STEP 3 MOUNT POLE OR PEDESTAL, ATTACH TOP WASHERS & NUTS HAND TIGHT.

STEP 4 PLUMB POLE OR PEDESTAL AFTER ALL MASTARMS, STREET LIGHTS, TRAFFIC SIGNALS & OTHER APPURTENANCES ARE ATTACHED TO POLE & TIGHTEN ALL NUTS.

STEP 5 ATTACH NUT COVERS WHERE REQUIRED.

STEP 6 DO NOT GROUT IN SPACE BETWEEN BOTTOM OF POLE & TOP OF FOUNDATION. TOP OF FOUNDATION OR SURFACE OF SIDEWALK MUST BE LEFT CLEAN AND SMOOTH.

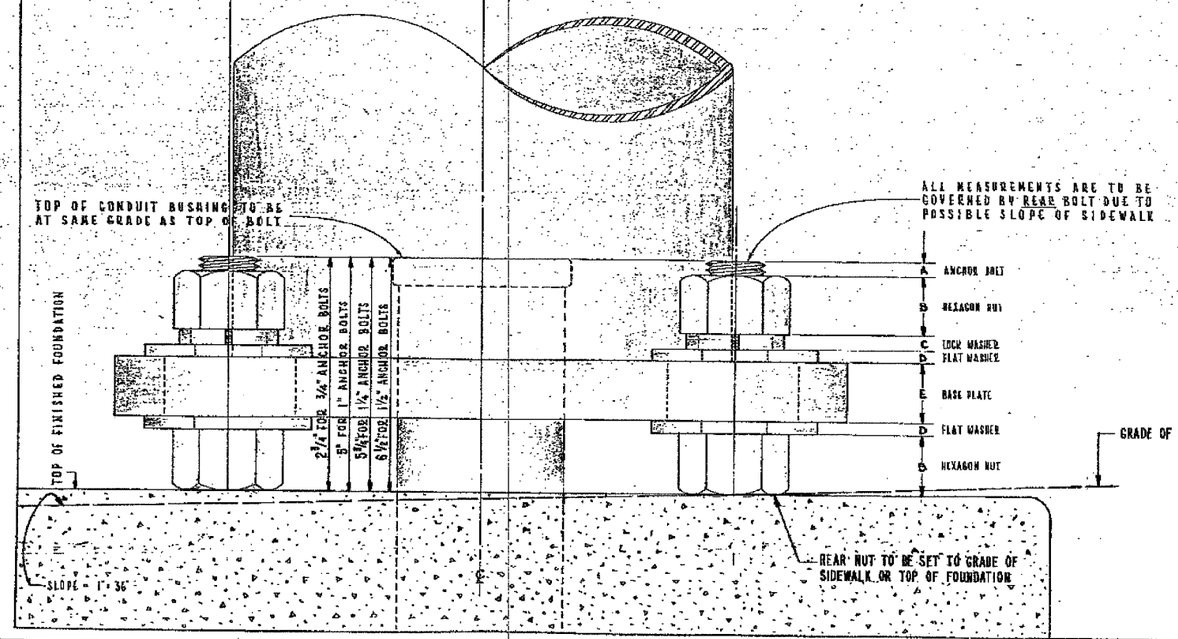
STEP 7 POLE OR PEDESTAL IS TO BE PERFECTLY PLUMB. NO "RAKE" IS TO BE LEFT.

IF NECESSARY:
ANCHOR BOLT TO BE TRIMMED WITH SAW. DO NOT BURN. AS THIS DRASTICALLY REDUCES THE TENSILE STRENGTH OF ANCHOR BOLT.

COAT ANCHOR BOLT WITH RUST-OLEUM HARD HAT ZINC RICH COMPOUND.

TABLE

UNIT	ANCHOR BOLT SIZE						
	1"		1¼"		1½"		¾"
	POLE GAUGES						ALUM. PED.
	7 GA.	3 GA.	7 GA.	3 GA.	7 GA.	3 GA.	
A	7/16"	7/16"	1 1/8"	1 5/16"	1 1/8"	7/8"	¾"
B	1"	1"	1¼"	1 1/4"	1½"	1½"	¾"
C	¼"	¼"	5/16"	5/16"	⅜"	⅜"	3/16"
D	5/32"	5/32"	¼"	¼"	¼"	¼"	5/32"
E	1"	1"	1¾"	1½"	1½"	1¾"	5/8"



16" X 21"

CONSTRUCTION METHOD FOR "DOUBLE-NUT" INSTALLATION OF POLES AND PEDESTALS

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

PREPARED BY: EUGENE GEORLIS	CHIEF DRAFTSMAN: R.J.S.	PREPARED: R.J.S.
CONTRACTOR TRADES:	ELEC. WORK TRADE:	DWG. NO. 837
APPROVED BY ELECTRICITY: Michael A. Phelan		
ASST. SUPT. OF ELECTRICITY:		
APPROVED BY COMMISSIONER OF STREETS AND SANITATION: Randall L. Feenstra		
DATE: 12/30/	SCALE: 1" = 1"	DATE: 6-7-85

BOE-12

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
TRAFFIC SIGNALS AT 51ST STREET AND WENTWORTH AVENUE / WELLS STREET

BOE STANDARD DETAILS

SCALE: NOT TO SCALE DRAWN BY: HAR
DATE: October 29, 2004 CHECKED BY: WDS

CTE ENGINEERS
CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.
303 EAST WACKER DRIVE, SUITE 600
CHICAGO ILLINOIS 60601-5202, PHONE: (312) 938-0300

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