

F.A.I. RATE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-064TS	COOK	40	19
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
62803				

CITY OF CHICAGO STANDARD DRAWINGS

- 736. TYPICAL GROUNDING METHODS FOR BUREAU OF ELECTRICITY EQUIPMENT
- 740. TRAFFIC SIGNAL UPPER & LOWER BRACKET ARM ASSEMBLY
- 741. TRAFFIC SIGNAL BRACKET ARM ASSEMBLY
- 793A. FORM CAGE TYPE STEEL REINFORCING ROD FOR STREET LIGHT FOUNDATION
- 808. 5.17" x 10.0" STEEL/34'-6" POLE 7 OR 3 GAUGE
- 811. 1-1/4" x 60" STEEL ANCHOR ROD
- 818. FOUNDATION FOR 34'-6" ARTERIAL STREET LIGHT OR TRAFFIC SIGNAL POLE 3 OR 7 GAUGE WITH 15" BOLT CIRCLE
- 826. STANDARD CODE FOR TRAFFIC SIGNALS/STREET LIGHTING
- 828. FOUNDATION FOR STREET LIGHT POLE USING DOUBLE NUT CONSTRUCTION WHEN INSTALLED IN FULL SIDEWALK OR PAVED PARKWAY
- 832. JUNCTION BOX FOR TRAFFIC AND FIRE ALARM
- 834. TYPICAL TRAFFIC SIGNAL MOUNTING DETAILS
- 835. TYPICAL TRAFFIC SIGNAL MOUNTING DETAILS
- 837. CONSTRUCTION METHOD FOR "DOUBLE NUT" INSTALLATION OF POLES AND PEDESTALS
- 839. 12' MAST ARM FOR 2-BOLT ATTACHEMENT
- 909. FIBER OPTIC PATCH PANEL
- 11825. ELBOW, CONDUIT, RIGID GALVANIZED STEEL, LARGE RADIUS
- 11984. BANDING FITTINGS FOR POLE MOUNTING TRAFFIC SIGNAL
- 12268-A. TRAFFIC CONTROL SIGNALS STRIP WIRING LAYOUT

BILL OF MATERIALS - TRAFFIC SIGNALS

DESCRIPTION	UNIT	TOTAL
CONDUIT IN TRENCH, 4" DIA. GALVANIZED STEEL	FOOT	6
INNERDUCT IN CONDUIT, 1 1/4 INCH	FOOT	610
ROD AND CLEAN DUCT IN EXISTING CONDUIT SYSTEM	FOOT	586
REPAIR AND REPLACE DAMAGED CONDUIT	FOOT	60
INTERCEPT EXISTING CONDUIT	EACH	1
JUNCTION BOX, POLE OR POST MOUNTED	EACH	1
CLEAN EXISTING MANHOLE OR HANDHOLE	EACH	9
RACKING CABLES IN MANHOLE OR HANDHOLE	EACH	9
TRENCH AND BACKFILL WITH SCREENINGS AND/OR SAND	FOOT	6
CABINET WORK, SPLICING, TESTING AND MISC.	EACH	2
CONTROLLER, TRAFFIC, 16 LOAD BAY, P CABINET	EACH	2
STAR MODEM	EACH	1
TRANSCEIVER, FIBER OPTIC	EACH	2
ELECTRIC CABLE IN CONDUIT NO. 12 19/C	FOOT	140
FIBER OPTIC HYBRID CABLE IN CONDUIT 6SM/6MM	FOOT	670
TRACER CABLE	FOOT	610
POLE, STEEL, ANCHOR BASE, 10" DIA., 7-GAUGE, 34'-6"	EACH	1
CONCRETE FOUNDATION, 24" DIAMETER, 1 1/4" ANCHOR RODS, 15" BOLT CIRCLE	FOOT	9
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	L SUM	1
RELOCATE EXISTING LUMINAIRE AND MAST ARM	EACH	1
RELOCATE EXISTING ILLUMINATED SIGNS, TRAFFIC SIGNAL AND PEDESTRIAN HEADS	LSUM	1

ELECTRICAL NOTES

1. THOUGH THE "MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION" AND "TEMPORARY TRAFFIC SIGNAL INSTALLATION" ARE AS PART OF THE IDOT CONTRACT 9B (62586), IT IS THIS CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS/HER CONTRACT WORK WITH CONTRACT 9B AND OTHER AJACENT CONTRACTS. IT IS ALSO THIS CONTRACTOR'S RESPONSIBILITY TO TAKE GREAT CAUTION NOT TO DAMAGE ANY SIGNAL OR ELECTRICAL EQUIPMENT THROUGHOUT HIS/HER CONTRACT WORK. ANY DAMAGE TO THE EXISTING OR PROPOSED SIGNAL AND ELECTRICAL EQUIPMENT SHALL BE PAID FOR AT THE CONTRACTOR'S EXPENSE AND AS DIRECTED BY THE ENGINEER.
2. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO HAVE A FULLY OPERATIONAL TRAFFIC SIGNAL SYSTEM DURING TRAFFIC SIGNAL "TURN ON" PROCESS AND IN PRESENCE OF THE ENGINEER AND THE BUREAU OF ELECTRICITY INSPECTOR. ANY DELAY IN THIS PROCESS AND THE COMPLETION OF THE CONTRACT WILL BE SUBJECT TO PENALTY PAYMENT AS DETERMINED BY THE ENGINEER.
3. THE CONTRACTOR SHALL NOTE THAT THE EXACT QUANTITY FOR "REPAIR AND REPLACE DAMAGED CONDUIT" IS NOT KNOWN. THE DESIGNER HAS ASSUMED 10% OF EXISTING MAIN CONDUITS THAT ARE BEING USED MAY NEED REPAIR.
4. THE EXISTING LIGHTING SYSTEM WILL BE MAINTAINED BY IDOT CONTRACT 9B (62586).



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
**TRAFFIC CONTROL SIGNALS
 BILL OF MATERIALS, INDEX OF
 STANDARD DRAWINGS AND
 ELECTRICAL NOTES**
 SCALE: NONE DRAWN BY: SH
 DATE: October 29, 2004 CHECKED BY: MS