

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-065TS	COOK	62	19
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

62804

CITY OF CHICAGO STANDARD DRAWINGS

- 579. STANDARD METHOD FOR BACKFILLING CABLE AND CONDUIT TRENCHES IN SODDED PARKWAY AND LAWN
- 659. TWO BOLT MAST ARM ATTACHMENT POLE PLATE DETAILS
- 724. TWO BOLT MAST ARM ATTACHMENT (BRACKET DETAILS)
- 730. 3'X4'X4' CONCRETE MANHOLE WITH 24" FRAME AND COVER
- 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
- 813. INSTALLATION METHOD OF INSTALLING CONDUIT UNDER PAVED ROADWAY
- 814. INSTALLATION METHOD OF INSTALLING CONDUIT THRU MANHOLE WALL
- 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
- 870. STEEL TRAFFIC SIGNAL MAST ARM-MONOTUBE
- 872. 24" DIA. CIRCULAR MANHOLE FRAME & COVER WITH 4 1/4" O.D. FRAME
- 888. TYPE "P" FOUNDATION FOR BASE MOUNTED TRAFFIC SIGNAL CONTROL CABINET
- 909. FIBER OPTIC PATCH PANEL
- 7878. PULLING IRON
- 10792. GRATE FOR SUMP
- 11420-A. CAST POLE TOP FOR STREET POLE
- 11825. ELBOW, CONDUIT, RIGID GALVANIZED STEEL, LARGE RADIUS
- 11922. JUNCTION BOX FOR ARTERIAL STREET LIGHTING SERVICE ON C.E. CO. POLE
- 11925. INSTALLATION OF SERVICE EQUIPMENT ON C.E. WOOD POLES
- 11984. BANDING FITTINGS FOR POLE MOUNTING TRAFFIC SIGNAL
- 12268-A. TRAFFIC CONTROL SIGNALS STRIP WIRING LAYOUT

BILL OF MATERIALS - TRAFFIC SIGNALS

DESCRIPTION	UNIT	TOTAL
SERVICE INSTALLATION, 100 AMP	EACH	1
PVC CONDUIT IN TRENCH, 3" DIA. (SCHEDULE 40)	FOOT	150
PVC CONDUIT IN TRENCH, 4" DIA. (SCHEDULE 40)	FOOT	54
PVC CONDUIT IN TRENCH, 3" DIA. (SCHEDULE 80)	FOOT	992
INNERDUCT IN CONDUIT, 1 1/4 INCH	FOOT	813
ROD AND CLEAN DUCT IN EXISTING CONDUIT SYSTEM	FOOT	1022
REPAIR AND REPLACE DAMAGED CONDUIT	FOOT	100
INTERCEPT EXISTING CONDUIT	EACH	3
JUNCTION BOX, POLE OR POST MOUNTED	EACH	3
DRILL EXISTING MANHOLE OR HANDHOLE	EACH	37
CLEAN EXISTING MANHOLE OR HANDHOLE	EACH	10
RACKING CABLES IN MANHOLE OR HANDHOLE	EACH	11
TRENCH AND BACKFILL WITH SCREENINGS AND/OR SAND	FOOT	580
ELECTRIC CABLE IN CONDUIT, 1/C NO. 2	FOOT	810
ELECTRIC CABLE IN CONDUIT, 1/C NO. 4	FOOT	126
ELECTRIC CABLE IN CONDUIT, 1/C NO. 8	FOOT	468
ELECTRICAL MANHOLE 3'X4'X4' WITH 24" FRAME AND LID	EACH	1
REPAIR CITY ELECTRIC MANHOLES	EACH	1
CABINET WORK, SPLICING, TESTING AND MISC.	EACH	2
PAINT EXISTING POLE, POST OR CONTROLLER COMPLETE	EACH	17
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	2728
FIBER OPTIC HYBRID CABLE IN CONDUIT 6SM/6MM	FOOT	873
TRACER CABLE	FOOT	813
ELECTRIC CABLE IN CONDUIT, COAXIAL VIDEO, RG 59/U	FOOT	253
MAST ARM, STEEL, MONOTUBE 26 FT.	EACH	1
POLE STEEL, ANCHOR BASE, 10" DIA., 3-GAUGE, 34'-6"	EACH	1
CONCRETE FOUNDATION, 24" DIAMETER, 1 1/4" ANCHOR RODS, 15" BOLT CIRCLE "SPECIAL" PARKWAY	FOOT	9
CONCRETE FOUNDATION FOR TYPE "P" BASE MOUNTED TRAFFIC SIGNAL CONTROLLER	FOOT	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
FLASHING BEACON, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	14
VIDEO SYSTEM DETECTION CAMERA, VIDEO SYSTEM DETECTION PROCESSOR	EACH	2
SIGN, MESSAGE, ELECTRICALLY ILLUMINATED, FIBER OPTIC, BRACKET MOUNTED	EACH	4
SIGN, MESSAGE, ELECTRICALLY ILLUMINATED, FIBER OPTIC, MAST ARM MOUNTED	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	L SUM	1
REMOVE EXISTING HANDHOLE OR MANHOLE	EACH	1
REMOVE CONTROLLER FOUNDATION, TYPE A	EACH	1
REMOVE TRAFFIC SIGNAL POLE FOUNDATION	EACH	1
REMOVE FOUNDATION FOR BASE MOUNTED CONTROLLER	EACH	1
SPECIAL EXCAVATION AND REPLACEMENT FOR CONDUIT UNDER CTA TRACK	FOOT	90

TRAFFIC SIGNAL NOTES

1. WHILE EVERY ATTEMPT HAS BEEN MADE TO PROVIDE DRAWINGS AND SPECIFICATIONS FREE OF ERRORS, OMISSIONS OR DISCREPANCIES, IT NEVERTHELESS REMAINS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY DIMENSIONS AND GEOMETRY IN THE FIELD PRIOR TO THE CONSTRUCTION, FABRICATION AND ORDERING OF MATERIALS. THE CONTRACTOR SHALL RECTIFY DISCREPANCIES OR OMISSIONS, IF ANY, WITH NO ADDITIONAL COMPENSATION OR A CHANGE IN THE SCOPE OF WORK.
2. THE CONTRACTOR SHALL NOTE THAT THE QUANTITY FOR "REPAIR AND REPLACE DAMAGED CONDUIT" IS UNKNOWN. TO QUANTIFY THIS ITEM, THE DESIGNER HAS ASSUMED 10% OF THE TOTAL EXISTING MAIN CONDUITS TO BE THE BASE FOR THE REPAIR.
3. AT WELLS STREET / WENTWORTH AVENUE INTERSECTIONS WITH 47TH STREET, THE OLD BURIED CTA TRACKS MAY STILL EXIST. THE ITEM "SPECIAL EXCAVATION AND REPLACEMENT FOR CONDUIT UNDER CTA TRACK" HAS BEEN PROVIDED TO ACCOUNT FOR SUCH ENCOUNTER. THE LENGTH OF EXCAVATION IS SET AT 18', AS DIRECTED BY THE BOE SPECIFICATIONS. THIS LENGTH IS USED AT LOCATION WHERE THE PROPOSED CONDUIT IS CROSSING THE TRACK.
4. THE CONTRACTOR SHALL USE EXTREME CARE WHEN WORKING, SO AS NOT TO DAMAGE THE EXISTING TRAFFIC SIGNAL OR ELECTRICAL EQUIPMENT OR WORK BY OTHER CONTRACTS. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE RESTORED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.
5. 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.
6. 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 ADJACENT CONTRACTS.
7. ALL CONDUITS TO BE REPAIRED AND REPLACED SHALL BE VERIFIED BY THE ENGINEER.



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) TRAFFIC SIGNALS AT 47TH STREET WITH WENTWORTH AVENUE - LASALLE STREET AND WELLS STREET - WENTWORTH AVENUE TRAFFIC CONTROL SIGNALS BILL OF MATERIALS, INDEX OF STANDARD DRAWINGS, TRAFFIC SIGNAL NOTES
NAME	DATE	
		SCALE: NONE
		DATE: October 29, 2004
		DRAWN BY: SH
		CHECKED BY: MS

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