

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-098TS	COOK	63	26
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
62839				

ELECTRICAL SYMBOLS FOR PROPOSED WORK (CDOT)

- ⊗-□ PROPOSED CDOT LIGHTING UNIT: INCLUDING ANCHOR BASE, POLE AND LUMINAIRE AS INDICATED ON PLANS, 12' TRUSS TYPE STEEL MAST ARM, MOUNTED ON CONCRETE FOUNDATION.
- ⊗- PROPOSED CDOT LUMINAIRE WITH 12' TRUSS TYPE STEEL MAST ARM FOR USE WITH COMBINATION TRAFFIC SIGNAL/LIGHTING UNITS. REFER TO TRAFFIC SIGNAL PLANS FOR DETAILS
- ⊗- TEMPORARY CDOT LIGHTING UNIT: INCLUDING 12' TRUSS TYPE MAST ARM AND 310W HPS, 240V LUMINAIRE
- ⊗ PROPOSED LUMINAIRE, 310W HPS LAMP, 240V
- PROPOSED CITY ELECTRIC MANHOLE, 3'x4'x4' WITH 30" FRAME AND COVER
- PROPOSED CITY ELECTRIC HANDHOLE, CIRCULAR WITH 24" FRAME AND COVER, 30" INNER DIAMETER
- PROPOSED CITY ELECTRIC MANHOLE, REFER TO TRAFFIC SIGNAL PLANS FOR DETAILS
- PROPOSED CITY ELECTRIC HANDHOLE, REFER TO TRAFFIC SIGNAL PLANS FOR DETAILS
- ⊗ PROPOSED STREET LIGHTING CONTROLLER, BASE MOUNTED ON FOUNDATION, 200 AMP, SINGLE PHASE, 240V, WITH PHOTO CELL (120V)
- ⊗ PROPOSED OEC TYPE "B" TERMINAL CABINET AND 24"x36" FND WITH 3/4" ANCHOR RODS
- ▲ PROPOSED UTILITY SERVICE CONNECTION, POLE MOUNTED
- PROPOSED POLE, CITY STEEL, ANCHOR BASE, 34'-6" ,7 GA, 10" DIA, AND 15" BC, 24"x7' FND WITH 1/4" ANCHOR RODS
- PROPOSED POLE, CITY STEEL, ANCHOR BASE, 32'-6", 7 GA, AND FND WITH 1 1/2" BC AND 1" DIA ANCHOR RODS
- ⊗ PROPOSED POLE, COMBINATION TRAFFIC SIGNAL/ROADWAY LIGHTING, REFER TO TRAFFIC SIGNAL PLANS FOR DETAILS.
- PROPOSED POLE, COMBINATION TRAFFIC SIGNAL/ROADWAY LIGHTING, REFER TO TRAFFIC SIGNAL PLANS FOR DETAILS.
- ⊗ PROPOSED POLE, COMBINATION TRAFFIC SIGNAL/ROADWAY LIGHTING, REFER TO TRAFFIC SIGNAL PLANS FOR DETAILS.
- ⊗ PROPOSED POLE, COMBINATION TRAFFIC SIGNAL/ROADWAY LIGHTING, REFER TO TRAFFIC SIGNAL PLANS FOR DETAILS.
- ⊗ TEMPORARY WOOD POLE, TEMPORARY CDOT TRAFFIC SIGNAL/LIGHTING, REFER TO TRAFFIC SIGNAL PLANS FOR DETAILS.

ELECTRICAL SYMBOLS FOR EXISTING CONDITIONS (CDOT)

- ⊗- PROPOSED CDOT LIGHTING UNIT: INCLUDING ANCHOR BASE, POLE AND LUMINAIRE AS INDICATED ON PLANS, REFER TO TRAFFIC SIGNAL PLANS FOR DETAILS
- ⊗- EXISTING CDOT LIGHTING UNIT: POLE MOUNTED, POLE AND LUMINAIRE AS INDICATED ON PLANS
- ⊗ EXISTING LUMINAIRE, 310W HPS LAMP, 240V, SEMI-CUTOFF
- EXISTING LUMINAIRE, 150W HPS LAMP, 240V
- EXISTING LUMINAIRE, 150W HPS LAMP, 120V
- EXISTING CITY ELECTRIC MANHOLE
- EXISTING CITY ELECTRIC HANDHOLE
- ⊗ EXISTING STREET LIGHTING CONTROLLER, PEDESTAL OR BASE MOUNTED
- ⊗ EXISTING STREET LIGHTING CONTROLLER, POLE MOUNTED
- ⊗ EXISTING OEC TYPE "B" TERMINAL CABINET AND FND
- ▲ EXISTING COMED SERVICE CONNECTION, POLE MOUNTED
- EXISTING POLE, CITY STEEL, ANCHOR BASE, 34'-6", 7 GA, 10" DIA, 15" BC, AND 24"x7' FND WITH 1/4" DIA ANCHOR RODS
- EXISTING POLE, CITY STEEL, ANCHOR BASE, 20'-0", 27'-6", 29'-6", 7 GA, STEEL BHB AND FND WITH 10" BC AND 1" DIA ANCHOR RODS
- EXISTING POLE, CITY STEEL, ANCHOR BASE, 32'-6", 7 GA, AND FND WITH 1 1/2" BC AND 1" DIA ANCHOR RODS
- ⊗ EXISTING POLE, CITY STEEL, EMBEDDED, 4"x9"x35' 7 GA, TAPERED TUBULAR
- ▲ EXISTING PEDESTAL MOUNTED TRAFFIC SIGNAL, REFER TO TRAFFIC SIGNAL PLANS FOR DETAILS
- ⊗ EXISTING TEMPORARY WOOD POLE, TEMPORARY CDOT TRAFFIC SIGNAL/LIGHTING

GENERAL TYPICAL EXISTING TO BE REMOVED SYMBOLS

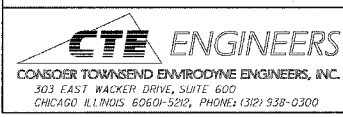
- ⊗-R EXISTING CDOT LIGHTING UNIT TO BE REMOVED, POLE AND LUMINAIRE AS INDICATED ON PLANS
- ⊗-R EXISTING CDOT COMBINATION TRAFFIC SIGNAL/LIGHTING UNIT TO BE REMOVED, LUMINAIRE AS INDICATED ON PLANS, REFER TO TRAFFIC SIGNAL PLANS FOR DETAILS
- R EXISTING CITY ELECTRIC HANDHOLE TO BE REMOVED, REFER TO TRAFFIC SIGNAL PLANS FOR DETAILS
- R EXISTING CITY ELECTRIC MANHOLE TO BE REMOVED, REFER TO TRAFFIC SIGNAL PLANS FOR DETAILS
- ⊗-R EXISTING STREET LIGHTING CONTROLLER TO BE REMOVED, PEDESTAL OR BASE MOUNTED
- ⊗-R EXISTING OEC TYPE "B" TERMINAL CABINET FND TO BE REMOVED, CABINET TO BE REMOVED BY AN OEC REPRESENTATIVE

ABBREVIATIONS (CDOT)

A	AMPERES	LT	LEFT
AC	ALTERNATING CURRENT	LTG	LIGHTING
A/C	AERIAL CABLE	MA	MAST ARM
ALUM	ALUMINUM	MAX	MAXIMUM
ATS	ATTACHED TO STRUCTURE	MIN	MINIMUM
AWG	AMERICAN WIRE GAUGE	MTD	MOUNTED
Ⓡ	BASELINE	NB	NORTHBOUND
BC	BOLT CIRCLE	NEC	NATIONAL ELECTRIC CODE
BHB	BALLAST HOUSING BASE	NEMA	NATIONAL ELEC MANUFACTURERS ASSOCIATION
BOE	CITY OF CHICAGO BUREAU OF ELECTRICITY	NM	NON-METALLIC
C	CONDUIT	NO	NUMBER
CDOT	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION	NTS	NOT TO SCALE
CEC	CHICAGO ELECTRIC CODE	OEC	OFFICE OF EMERGENCY MANAGEMENT COMMUNICATIONS
CONC	CONCRETE	PH	PHASE
CKT(S)	CIRCUIT(S)	PNL	PANEL
Ⓢ	CENTERLINE	PTZ	PAN-TILT-ZOOM
D	DUCTBANK	PVC	POLYVINYL CHLORIDE
DC	DIRECT CURRENT	PVGRS	PVC COATED GALVANIZED RIGID STEEL CONDUIT
DIA	DIAMETER	R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED UNO)
DWG(S)	DRAWING(S)	RGC	RIGID GALVANIZED STEEL CONDUIT
E	EXISTING UNIT TO REMAIN	ROW	RIGHT OF WAY
EB	EASTBOUND	RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
ECA	ELECTRIC CABLE ASSEMBLY	RT	RIGHT
EL	ELEVATION	SB	SOUTHBOUND
EM	EXISTING UNIT TO BE MODIFIED	SS	STAINLESS STEEL
ER	EXISTING RELOCATED UNIT	STA	STATION
F	FOOT, FEET	STRUCT	STRUCTURE
FND	FOUNDATION	T	TEMPORARY EQUIPMENT OR INSTALLATION
GA	GAUGE	TYP	TYPICAL
GND	GROUND	UNO	UNLESS NOTED OTHERWISE
HPS	HIGH PRESSURE SODIUM	V	VOLT
JB	JUNCTION BOX	W	WATT
KVA	KILOVOLT-AMPERE	WB	WESTBOUND
KW	KILOWATT	WM	WALL MOUNTED
LC	LIGHTING CONTROLLER	WP	WOOD POLE
LF	LINEAR FEET	XFMR	TRANSFORMER

GENERAL ELECTRICAL CABLE AND CONDUIT SYMBOLS

—E—	EXISTING RACEWAY OR CONDUIT RUN AS INDICATED ON PLANS	165 LF	RACEWAY OR CONDUIT EMBEDDED IN STRUCTURE, LENGTH AND TYPE AS INDICATED ON PLANS
---E---	EXISTING CITY ELECTRIC 6D DUCTBANK TO BE REMOVED	---	RACEWAY OR CONDUIT IN TRENCH FOR TRAFFIC SIGNALS/LIGHTING, LENGTH AND TYPE AS INDICATED ON THE TRAFFIC SIGNAL PLANS.
---165 LF---	RACEWAY OR CONDUIT IN TRENCH, LENGTH AND TYPE AS INDICATED ON PLANS	165 LF	AERIAL CABLE, LENGTH AND TYPE AS INDICATED ON PLANS
---6-D (165 LF)---	UNDERGROUND REINFORCED CONCRETE ENCASED 4" (SCHEDULE 40) PVC DUCTBANK, LENGTH AND NUMBER OF DUCTS AS INDICATED ON PLANS	---	CABLE, STREET LIGHTING, 2-1/C*6, 1-1/C*8 GND EPRN, 600 V, TRIPLEXED, IN RACEWAY OR CONDUIT AS INDICATED ON PLANS
---165 LF---	EXPOSED RACEWAY OR CONDUIT, LENGTH AND TYPE AS INDICATED ON PLANS	---	CABLE, STREET LIGHTING, 3-1/C*2/0 EPR, 600 V, IN RACEWAY OR CONDUIT AS INDICATED ON PLANS



REVISIONS	
NAME	DATE

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

CDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS

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

11/10/2004 09:46:06 AM