

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS	N	NEUTRAL, NORTH
AC	ALTERNATING CURRENT	N/A	NOT APPLICABLE
AWG	AMERICAN WIRE GAUGE	NC	NORMALLY CLOSED
AUX.	AUXILIARY	NE	NORTHEAST
		NEC	NATIONAL ELECTRICAL CODE
		NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
BRIDGE	BR.	NETA	NATIONAL ELECTRICAL TESTING ASSOCIATION
		NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
C	CONDUIT (HOT DIPPED RIGID GALVANIZED STEEL)	NNL	NORTH NAVIGATION LIGHT
CAB.	CABINET	NO	NORMALLY OPEN
	CABLE	NO.	NUMBER, NORTH
CB	CIRCUIT BREAKER	NTS	NOT TO SCALE
CCR	CAMERA CONTROL RECEIVER	NWLCL	NORTHWEST LEAF CENTER LOCK
CCTV	CLOSED CIRCUIT TELEVISION CAMERA	NW	NORTHWEST
CHNL.	CHANNEL		
CKT, CCTS	CIRCUIT/S	∅	PHASE
COAX	COAXIAL CABLE	O	OPEN
CONN	CONNECTION		
CONT	CONTINUATION, CONTACT		
DC	DIRECT CURRENT		
DN	DOWN	PH	PHASE
DO	DISCRETE OUTPUT	PLC	PROGRAMMABLE LOGIC CONTROLLER
DWG	DRAWING	PVC	POLYVINYL CHLORIDE COATED CONDUIT
		PWR. / POW.	POWER
EC	EXISTING CONDUIT	RDWAY.	ROADWAY
EDM	EAST DRIVE MOTOR	REF	REFERENCE
ENCL	ENCLOSURE	REM	REMOTE
		RM.	ROOM
		RGS	RIGID GALVANIZED STEEL CONDUIT/FITTING
F	FUSE	SO.	SOUTH
FDR	FEEDER	SCC	SUBMARINE CABLE CONTROL
F.O.	FIBER OPTIC	SCP	SUBMARINE CABLE POWER
FO	FULLY OPEN	SCFO	SUBMARINE CABLE FIBER OPTIC
FT.	FOOT	SE	SOUTHEAST
FTTG.	FITTING	SUB.	SUBMARINE
		SW	SOUTHWEST
GND	GROUND	TRANSM.	TRANSMITTER
HSE.	HOUSE	TB	TERMINAL BOX
		TSP	TWISTED SHIELDED PAIR
		TYP	TYPICAL
INST.	INSTRUMENT		
INT.	INTERCOM	UG.	UNDERGROUND
		UL	UNDERWRITERS LABORATORIES, INC.
JBOX	JUNCTION BOX	UON	UNLESS OTHERWISE NOTED
J-BOX	BOX "J"	UTP	UNSHIELDED TWISTED PAIR
KCMIL	THOUSAND CIRCULAR MIL	V	VOLT
KV	KILOVOLT	VAC	RMS VOLT ALTERNATING CURRENT
KVA	KILOVOLT-AMPERE	VDC	VOLT DIRECT CURRENT
KW	KILOWATT		
	KILOWATT METER		
LP	LIGHTING PANELBOARD	W	WATT, WIRE
LS	LIMIT SWITCH	W/	WITH
LTG	LIGHTING	W/O	WITHOUT
		WP	WEATHERPROOF

ELECTRICAL SYMBOLS

(LIGHT LINE INDICATES EXISTING CONDUIT, CABLE AND EQUIPMENT. HAVY LINE INDICATES NEW WORK).

	CONDUIT RUN EXPOSED.
	CONDUIT TURNING UP OR TOWARD OBSERVER.
	CONDUIT TURNING DOWN OR AWAY FROM OBSERVER.
	UNDERGROUND POWER (600V AND BELOW), CONCRETE ENCASED CONDUIT OR DUCTBANK.
	SUBMARINE CABLE.
	STAGE 2 - EXISTING EQUIPMENT, CONDUIT, OR CABLE TO BE REMOVED.
	HOME RUN, DESIGNATION INDICATES PANEL AND CIRCUIT NUMBERS HATCHMARK INDICATES NUMBER OF #12 PHASE WIRE, UON. HATCHMARK WITH STRIKE INDICATES #12 NEUTRAL WIRE, UON. HATCHMARK WITH TAIL INDICATES #12 GROUND WIRE, UON.
	208/120V, 3P, 4W DISTRIBUTION PANELBOARD.
	EQUIPMENT BOX
	TERMINAL, PULL OR SPLICE BOX AS SHOWN.
	JUNCTION BOX.
	FLUSH MOUNTED DUPLEX CONVENIENCE RECEPTACLE, 20A, 125V, 3W GROUNDING TYPE WITH GROUND FAULT CIRCUIT INTERRUPTER.
	WALL MOUNTED DUPLEX CONVENIENCE RECEPTACLE, 20A, 125V, 3W GROUNDING TYPE WITH GROUND FAULT CIRCUIT INTERRUPTER IN WEATHERPROOF ENCLOSURE

FOR SINGLE LINE AND CONTROL WIRING DIAGRAMS

	MAGNETIC STARTER OR CONTACTOR COIL WITH IDENTIFICATION
	RELAY COIL WITH IDENTIFICATION
	CONTACT, NORMALLY OPEN INSTANTLY ON ENERGIZING "R1" - INDICATES CONTACT OF RELAY R1
	CONTACT, NORMALLY CLOSED SUBSCRIPTS HAVE SAME MEANING AS ABOVE
	FULL-VOLTAGE NON-REVERSING STARTER CONTACTOR, 3 POLE "3" - INDICATES STARTER SIZE RATING
	CCTV (BLOCK DIAGRAM)
	PAN TILT ZOOM CCTV CAMERA, OUTDOOR

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PLOT DATE: 10/18/2013	DATE: 10/18/2013	REVISED: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CCTV SYSTEM, I-90/94 TO CONGRESS PARKWAY
ELECTRICAL SYMBOLS AND ABBREVIATIONS

SCALE: AS SHOWN	SHEET NO. OF SHEETS	STA. 353+46.00 TO STA. 382+50.00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2013-026-1	COOK	37	5
PED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60W49	