

ABBREVIATIONS

A AMMETER
 A AMPERE
 AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
 AC ALTERNATING CURRENT
 AF AMPERE FRAME
 AIC AMPERE INTERRUPTING CAPACITY
 AMPL. AMPLIFIER
 AI ANALOG INPUT
 AO ANALOG OUTPUT
 AS AMMETER SWITCH
 AT AMPERE TRIP
 ATS AUTOMATIC TRANSFER SWITCH
 AWG AMERICAN WIRE GAUGE
 AUX. AUXILIARY

BALL. BALLAST
 BAR. BARRIER
 BC BRIDGE CONTROL
 BC-CAB BRIDGE CONTROL CABINET
 BCR BRIDGE CONTROL RELAY
 BGL BARRIER GATES LOWER (GROUP)
 BG-NE-N BARRIER GATE NORTHEAST ON-COMING- NORTH
 BG-NE-S BARRIER GATE NORTHEAST ON-COMING- SOUTH
 BGPL BARRIER GATE PERMISSION LOWER
 BGPR BARRIER GATE PERMISSION RAISE
 BGR BARRIER GATES RAISE (GROUP)
 BG-SW-N BARRIER GATE SOUTHWEST ON-COMING- NORTH
 BG-SW-S BARRIER GATE SOUTHWEST ON-COMING- SOUTH
 BP BYPASS
 BRK. BRAKE
 BR. BRIDGE
 BRD. BOARD
 BUZZ. BUZZER

C CONDUIT (HOT DIPPED RIGID GALVANIZED STEEL)
 CAB. CABINET
 CABLE
 CB CIRCUIT BREAKER
 CCR CAMERA CONTROL RECEIVER
 CCTV CLOSED CIRCUIT TELEVISION CAMERA
 CHNL. CHANNEL
 CKT, CCTS CIRCUIT/S
 CL, CTLK CENTER LOCK
 CL-NW-N CENTER LOCK NORTHEAST NORTH
 CL-NW-S CENTER LOCK NORTHEAST SOUTH
 CL-SW-N CENTER LOCK SOUTHWEST NORTH
 CL-SW-S CENTER LOCK SOUTHWEST SOUTH
 CL CENTERLINE
 CL. CLUTCH
 COAX COAXIAL CABLE
 CONN CONNECTION
 CONT CONTINUATION, CONTACT
 C., CONT. CONTROL PANEL CONTROLLER
 CS CONTROL SWITCH
 C.O., CHOVER CHANGEOVER
 CT CURRENT TRANSFORMER
 CTR CENTER

D DRIVE
 DC DIRECT CURRENT
 DI DISCRETE INPUT
 DISC DISCONNECT
 DN DOWN
 DO DISCRETE OUTPUT
 DSS DOOR SAFETY SWITCH
 DWG DRAWING

E EXTEND
 E-CC-1 EASTBOUND CONTROL CONSOLE 1
 E-CP-2 EASTBOUND CONTROL PANEL 2
 EC EXISTING CONDUIT
 EDM EAST DRIVE MOTOR
 ENCL ENCLOSURE
 EPB EMERGENCY STOP PUSHBUTTON
 ERR ERROR
 ES EMERGENCY STOP

FL FLASHER
 F FUSE
 FDR FEEDER
 FIXT FIXTURE
 FL. FULL CLOSED
 FULLY LOWERED
 FLEX FLEXIBLE
 FO FULLY OPEN
 FT. FOOT
 FTTG. FITTING
 G GREEN
 GGR GATES GROUP RAISE
 GL GATE LIGHT
 GND GROUND
 GOV. GOVERNOR

HC HAND CRANK
 HENS. HENSHEL
 HLS HANDCRANK LIMIT SWITCH
 HOS HIGH OVERSPEED
 HP HORSEPOWER
 HSE. HOUSE
 HZ HERTZ

IBTC ILLINOIS BELL TELEPHONE COMPANY
 IND INDICATOR
 INST. INSTRUMENT
 INT. INTERCOM

JBOX JUNCTION BOX
 J-BOX BOX "J"

KCMIL THOUSAND CIRCULAR MIL
 KV KILOVOLT
 KVA KILOVOLT-AMPERE
 KW KILOWATT
 KILOWATT METER

LC LOGIC CONTROL
 LIM. LIMIT
 LK. LOCK
 L LOWER
 LOS LOW OVERSPEED
 LP LIGHTING PANELBOARD
 LS LIMIT SWITCH
 LTG LIGHTING
 LTN LIGHTNING
 LTS LIGHTS

M MAIN
 MB-NE-N MACHINERY BRAKE NORTHEAST NORTH
 MB-NE-S MACHINERY BRAKE NORTHEAST SOUTH
 MB-NW-N MACHINERY BRAKE NORTHWEST NORTH
 MB-NW-S MACHINERY BRAKE NORTHWEST SOUTH
 MB-SE-N MACHINERY BRAKE SOUTHEAST NORTH
 MB-SE-S MACHINERY BRAKE SOUTHEAST SOUTH
 MB-SW-N MACHINERY BRAKE SOUTHWEST NORTH
 MB-SW-S MACHINERY BRAKE SOUTHWEST SOUTH
 M-NE-N MAIN MOTOR NORTHEAST NORTH
 M-NE-S MAIN MOTOR NORTHEAST SOUTH
 M-NW-N MAIN MOTOR NORTHWEST NORTH
 M-NW-S MAIN MOTOR NORTHWEST SOUTH
 M-SE-N MAIN MOTOR SOUTHEAST NORTH
 M-SE-S MAIN MOTOR SOUTHEAST SOUTH
 M-SW-N MAIN MOTOR SOUTHWEST NORTH
 M-SW-S MAIN MOTOR SOUTHWEST SOUTH
 MACH. MACHINE
 MCC MOTOR CONTROL CENTER
 MD. MIDDLE
 MECH MECHANICAL
 MIN MINIMUM
 MFR MANUFACTURER
 MOB-NE-N MOTOR BRAKE NORTHEAST NORTH
 MOB-NE-S MOTOR BRAKE NORTHEAST SOUTH
 MOB-NW-N MOTOR BRAKE NORTHWEST NORTH
 MOB-NW-S MOTOR BRAKE NORTHWEST SOUTH
 MOB-SE-N MOTOR BRAKE SOUTHEAST NORTH
 MOB-SE-S MOTOR BRAKE SOUTHEAST SOUTH
 MOB-SW-N MOTOR BRAKE SOUTHWEST NORTH
 MOB-SW-S MOTOR BRAKE SOUTHWEST SOUTH
 MOT. MOTOR
 MR MANUAL RELEASE

N NEUTRAL
 N/A NOT APPLICABLE
 NC NORMALLY CLOSED
 NBS NAVIGATION LIGHTS BYPASS SWITCH
 NDL NORMAL (MAIN) DRIVE LOWER
 NDP NORMAL (MAIN) DRIVE PERMISSION
 NDR NORMAL (MAIN) DRIVE RAISE
 NE NORTHEAST
 NEC NATIONAL ELECTRICAL CODE
 NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
 NETA NATIONAL ELECTRICAL TESTING ASSOCIATION
 NFPA NATIONAL FIRE PROTECTION ASSOCIATION
 NNL NORTH NAVIGATION LIGHT
 NO NORMALLY OPEN
 NO. NUMBER
 NORTH
 NTS NOT TO SCALE
 NWLCL NORTHWEST LEAF CENTER LOCK
 NW NORTHWEST

Ø PHASE
 O OPEN
 OL OVERLOAD
 OPER. OPERATOR
 OS OVERSPEED SWITCH
 OT OVERTRAVEL

P POLE
 PIER
 PIT
 PB PUSH BUTTON
 PBOX PULL BOX
 PC PHOTOCELL
 PFR PHASE FAILURE RELAY
 PH PHASE
 PLC PROGRAMMABLE LOGIC CONTROLLER
 PNL. / PAN. PANEL
 PT POSITION TRANSMITTER
 PR POSITION RECEIVER
 PVC POLYVINYL CHLORIDE COATED CONDUIT
 PWR. / POW. POWER

R DWAY. ROADWAY
 RES. RESISTOR
 R RED OR RAISE OR RETRACT
 REF REFERENCE
 REM REMOTE
 RMS ROOT MEAN SQUARE
 RM. ROOM
 RGS RIGID GALVANIZED STEEL CONDUIT/FITTING

S. SVC. SERVICE
 SO. SOUTH
 SCC SUBMARINE CABLE CONTROL
 SCP SUBMARINE CABLE POWER
 SE SOUTHEAST
 SK SKEW
 SKERR SKREW ERROR DETECTOR
 SNL SOUTH NAVIGATION LIGHT
 SPKR. SPEAKER
 SS SELECTOR SWITCH OR SURGE SUPPRESSOR
 STA. STATION
 SUB. SUBMARINE
 SWLCL SOUTHWEST LEAF CENTER LOCK
 SW. SWITCH
 SW SOUTHWEST

TRANSM. TRANSMITTER
 TB TERMINAL BOX
 TEL. TELEPHONE
 TG TACH GENERATOR
 TGNENOC TRAFFIC GATE NORTHEAST NORTH ON-COMING
 TGNESOC TRAFFIC GATE NORTHEAST SOUTH ON-COMING
 TGSWNOG TRAFFIC GATE SOUTHWEST NORTH ON-COMING
 TGSWSOC TRAFFIC GATE SOUTHWEST SOUTH ON-COMING
 TGNWNOG TRAFFIC GATE NORTHWEST NORTH OFF-GOING
 TGNWSOG TRAFFIC GATE NORTHWEST SOUTH OFF-GOING
 TGSENOG TRAFFIC GATE SOUTHEAST NORTH OFF-GOING
 TGSESOG TRAFFIC GATE SOUTHEAST SOUTH OFF-GOING
 TGBS TRAFFIC GATES BYPASS SWITCH
 TGPL TRAFFIC GATES PERMISSION LOWER
 TGPR TRAFFIC GATES PERMISSION RAISE
 TGR TRAFFIC GATES RAISE (GROUP)
 TL TRAFFIC LIGHT
 TLC TRAFFIC LIGHTS CONTROLLER
 TSP TWISTED SHIELDED PAIR
 TYP TYPICAL

UG. UNDERGROUND
 UL UNDERWRITERS LABORATORIES, INC.
 UON UNLESS OTHERWISE NOTED
 UVR UNDERVOLTAGE RELAY

V VOLT
 VFD VARIABLE FREQUENCY DRIVE
 VA VOLT-AMPERE
 VDC VOLT DIRECT CURRENT

W WATT, WIRE
 W/ WITH
 W/O WITHOUT
 WFL WEST FENDER NAVIGATION LIGHT

WDM WEST DRIVE MOTOR
 WP WEATHERPROOF
 W-CC-1 WESTBOUND CONTROL CONSOLE 1
 W-CP-2 WESTBOUND CONTROL PANEL 2

XFR TRANSFORMER

PB Americas, Inc.
 230 WEST MONROE STREET,
 SUITE 900
 CHICAGO, IL. 60606

USER NAME = sharma
 FILE NAME = D:\62d61\sh-t-e1c-06.dgn
 PLOT SCALE = NONE
 PLOT DATE = 5/7/2009

DESIGNED - A. CENTENO
 DRAWN - S. SHARMA
 CHECKED - M. INTATANO
 DATE - MAY 8, 2009

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ELECTRICAL ABBREVIATIONS

SCALE: AS SHOWN SHEET NO. E-06 OF E-125 SHEETS STA. 379+06.09 TO STA. 382+45.28

F.A.P. RTEL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-28-R	COOK	398	277
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				