AERIAL CABLE
3-1/C NO. 2, ALUMINUM
WITH MESSENGER WIRE

TEMPORARY
WOOD POLE

SEE DISCONNECT
MOUNTING DETAIL

TO TEMPORARY
LIGHT POLE

AERIAL WATERPROOF SPLICE (TYP.)

TO TEMPRARY
TRAFFIC SIGNAL
CONTROLLER

SPLICE AND COIL 15' OF AERIAL SERVICE CABLE ASSEMBLY.
3-1/C NO. 2, ALUMINUM WITH MESSANGER
AT THE TOP OF THE TEMPORARY WOOD POLE
FOR CONNECTION BY THE ELECTRICAL SERVICE
UTILITY (INCIDENTAL TO ELECTRIC SERVICE
INSTALLATION).

3-1/C NO. 2, COPPER RHW XLP
JACKETED SERVICE CABLE

3-1/C NO. 2, COPPER RHW XLP
JACKETED SERVICE CABLE

30'-0" MIN. OR AS REQUIRED BY THE ENGINEER

ELECTRIC SERVICE
DISCONNECT BOX

U-NAIL AT
EVERY 3' (TYP.)

RIGID CONDUIT AND CONDUCTORS OR AERIAL CABLE
CONNECTION TO THE TRAFFIC SIGNAL CONTROLLER
AS REQUIRED BY THE ENGINEER.

C.E.C.H.A. APPROVED METER
WHEN REQUIRED BY UTILITY

10'-0"

3-1/C NO. 2, COPPER RHW XLP
JACKETED SERVICE CABLE

EXOTHERMIC
WELD

GROUND ROD
5/8" DIA. X 10'

TEMPORARY SERVICE INSTALLATION DETAIL
NOT TO SCALE

EXISTING WOOD POLE

FORK BOLT

CLAMP

MESSENGER TIED TO
INSULATION WITH FACTORY
FORMED CABLE TIE. CONTRACTOR
ENSURE THAT THE MESSENGER WIRE
IS GROUNDED AT THE COM ED SIDE.

AERIAL WATERPROOF SPLICE
(TYP.)

3 1/C AERIAL SERVICE CABLE
WITH MESSENGER WIRE
FOR SIZE & SERVICE VOLTAGE
SEE PLANS

ELECTRICAL CABLE ASSEMBLY
ATTACHED TO WOOD POLE

U-NAIL OR APPROVED EQUAL!
AT EVERY 900 MM (3') (TYP.)

TO TEMPORARY LIGHT POLE

SERVICE FROM COMED

406.4mm×304.8mm×203.2mm MAX.
(16"×12"×8") (!)
NEMA 4X ENCLOSURE

UNISTRUT CHANNEL FOR
MOUNTING OF SERVICE BOX.
2×1/2"×6" LAG SCREW TO
POLE (TYP.)

MALEABLE IRON
CONDUIT STRAP AND
LAG SCREW (TYP.)

WOOD POLE

STAINLESS STEEL
STRAP (TYP.)

DISCONNET MOUNTING DETAIL
NOT TO SCALE

LIGHT POLE 1
(CIRCUIT A)

LIGHT POLE 2
(CIRCUIT B)

TO LUMINAIRE
(TYP.)

1/C-#10 AWG, 600V
COLOR CODED CABLE
(TYP.)

1/C #10 AWG
INSULATED
GROUND WIRE
(TYP.)

TWO-POLE BREAK
AWAY FUSE HOLDER
WITH INSULATING
BOOTS AND 5 AMP
FUSE ON THE LINE
WIRES AND SOLID
SLUG ON NEUTRAL
WIRES (TYP.)

WATER PROOF
SPLICE (TYP.)

TO GROUND ROD (WHEN INSTALLED)

120/240 VAC
FROM
PREVIOUS
LIGHT POLE OR
CONTROLLER

L1
L2
N
G

L1
L2
N
G

TO NEXT
LIGHT POLE

SEE PROPOSED LIGHTING PLANS
FOR EXACT SIZES

LIGHT POLE WIRING DETAIL
NOT TO SCALE

TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING (SHEET II)

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -					F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL#		DRAWN -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS FLOSSMOOR ROAD OVER I-57			57	0607-1007 HB-I	COOK	29	21
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -						BE-805	CONTRACT NO. 60J26		
	PLOT DATE = #DATE#	DATE -	REVISED -		SCALE: NONE	SHEET NO. OF SHEETS STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			