

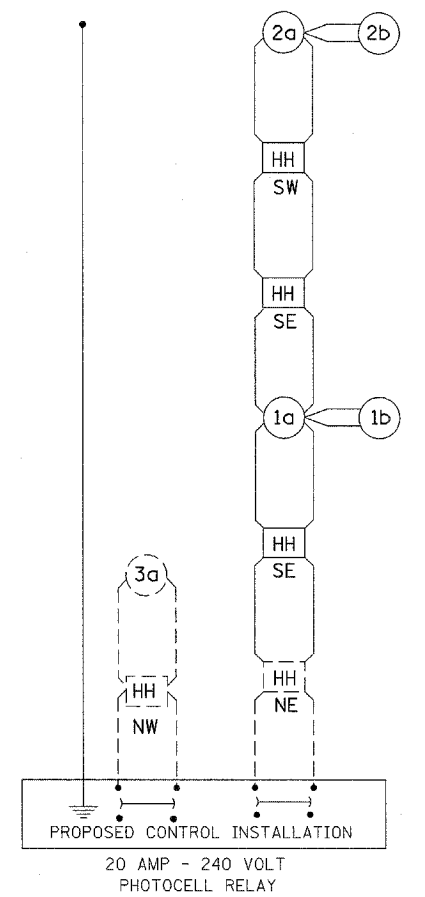
LEGEND

- 5a INDICATES LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP, SIZED AS LABELED
- T INDICATES TERMINAL BLOCK IN MAST ARM POLE BASE (SEE SPECIAL PROVISIONS)
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET
- EXISTING LIGHTING CONTROLLER WITH PHOTOCELL RELAY
- 5x5 INDICATES 5'x5' LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.
- EXISTING LOOP TO REMAIN IN PLACE
- 2 INDICATES PROPOSED 2/C TWISTED, SHIELDED CABLE IN CONDUIT.
- 2 INDICATES EXISTING 2/C TWISTED, SHIELDED CABLE IN CONDUIT TO REMAIN IN PLACE.
- 5 NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE.
- 250 PROPOSED LUMINAIRE 250 WATT
- EXISTING LUMINAIRE TO REMAIN IN PLACE OR TO BE REFURBISHED
- EXISTING CABLE TO REMAIN IN PLACE
- (4) NUMBER IN PARENTHESIS INDICATES PHASE.

NOTES

1. ALL SIGNAL LENSES SHALL BE 12 INCHES.
2. ELECTRIC CABLE DENOTED AS #10, 3/C BEING INSTALLED TO THE COMBINATION MAST ARM POLES SHALL NOT GO THROUGH THE TERMINAL BLOCK BUT SHOULD BE SPLICED IN POLE. SEE LIGHT POLE FOUNDATION DETAIL.
3. ELECTRIC SERVICE IS SUPPLIED BY AMEREN CIPS.
4. ALL CABLES SHALL BE A.W.G.#14 UNLESS OTHERWISE NOTED.

WIRING DIAGRAM FOR ROADWAY LIGHTING



- LEGEND**
- HH INDICATES PROPOSED TRAFFIC SIGNAL HANDHOLE
- HANDHOLE DESIGNATIONS:**
- NE NORTHEAST CORNER
 - NW NORTHWEST CORNER
 - SE SOUTHEAST CORNER
 - SW SOUTHWEST CORNER
- 1b NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE.
- INDICATES PROPOSED GROUND AT LIGHT STANDARD.
 - ⊥ INDICATES CONTINUOUS GROUND FOR CONTROL INSTALLATION.

NOTES

1. ALL LUMINAIRES ARE 250 WATTS.
PROPOSED CABLE IS CONDUIT, 600 V (XLP-TYPE USC) 3/C NO 10. TO BE USED IN POLES AND LUMINAIRES.
2. EXISTING CALBE IS 3/C NO 12.
3. THE SIGNAL CONDUIT SYSTEM SHALL BE UTILIZED TO INSTALL WIRING FOR ALL THE PROPOSED LIGHTING SYSTEM.

FILE NAME = ca:\proj\jeos\78055\78055-ts.dgn	USER NAME = naesdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL CABLE DIAGRAM AND WIRING DIAGRAM FOR HIGHWAY LIGHTING	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 3/8" = 1' IN.	CHECKED -	REVISED -	873			(28-5) TS-3-N-1	FRANKLIN	38	19	
PLOT DATE = 3/19/2008	DATE -	REVISED -	CONTRACT NO. 78055							
						SCALE:	SHEET NO.	OF	SHEETS	STA.