

WIRING DIAGRAM FOR ROADWAY LIGHTING

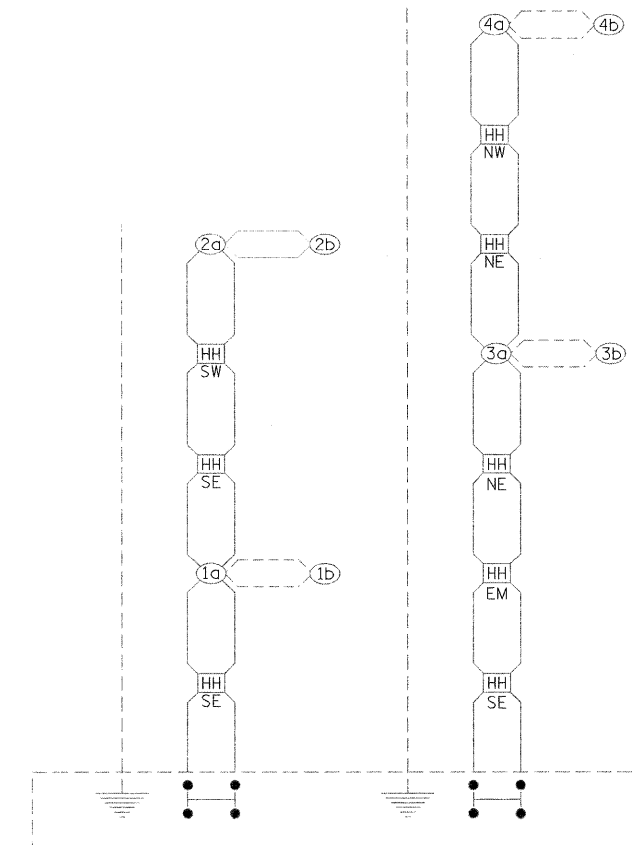
NOTES

ALL LUMINAIRES ARE 250 WATTS.
ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 3/C NO 10 IS USED IN POLES OR LUMINAIRES.

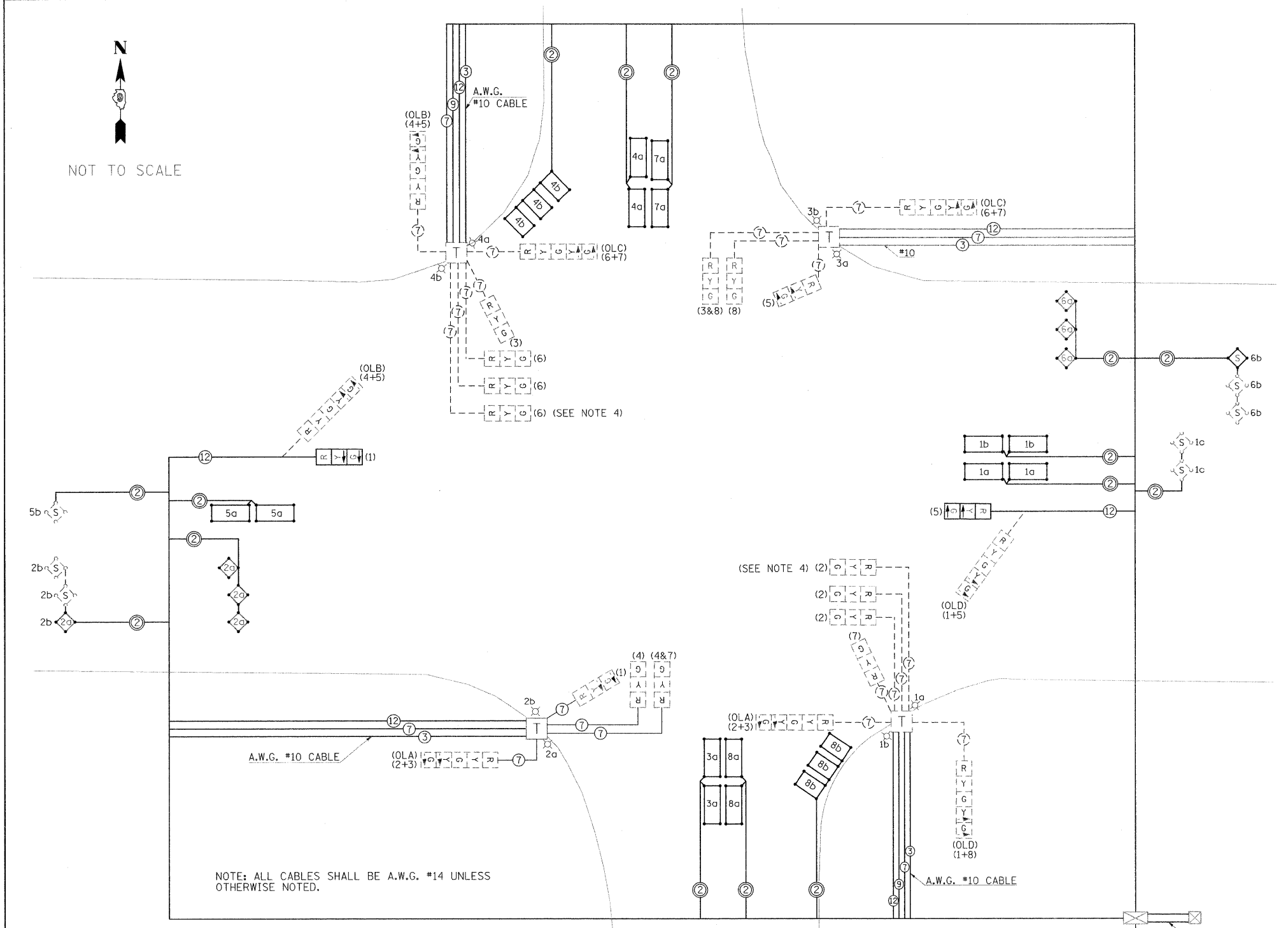
LEGEND

- [HH] - PROPOSED TRAFFIC SIGNAL HANDHOLE
- NOTE: THE SIGNAL CONDUIT SYSTEM SHALL BE UTILIZED TO INSTALL WIRING FOR ALL THE PROPOSED LIGHTING SYSTEM, EXCEPT AS DENOTED ON THE PLANS.
- (1a) - NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE
- - PROPOSED GROUND AT LIGHT STANDARD
- ⎓ - CONTINUOUS GROUND FOR CONTROL INSTALLATION

HANDHOLE DESIGNATIONS:
SW - SOUTHWEST CORNER
SE - SOUTHEAST CORNER
EM - EAST MEDIAN
NW - NORTHWEST CORNER
NE - NORTHEAST CORNER



EXISTING CONTROL INSTALLATION
PHOTOCELL RELAY
20 AMP - 240 VOLT



NOTE: ALL CABLES SHALL BE A.W.G. #14 UNLESS OTHERWISE NOTED.

LEGEND

- [X] EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- [X] EXISTING LIGHTING CONTROLLER WITH PHOTOCELL RELAY
- [G] EXISTING 12" TRAFFIC SIGNAL SECTION
- [T] INDICATES EXISTING TERMINAL BLOCK IN MAST ARM POLE BASE (SEE SPECIAL PROVISIONS) SEE NOTE NO. 1.
- ② INDICATES 2/C TWISTED, SHIELDED CABLE IN CONDUIT.
- ⑦ NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE.
- (3) NUMBER IN PARENTHESIS INDICATES PHASE.
- ⌘ RELOCATED EXISTING LUMINAIRE
- [3a] INDICATES PROPOSED 6' x 20' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
- [8b] INDICATES PROPOSED 6' x 10' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
- ⌘ INDICATES EXISTING 6' x 6' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE. LOWER CASE LETTER INDICATES AMPLIFIER.
- 2a ⌘ INDICATES PROPOSED 5' x 5' ADVANCE LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES THAT LOOPS REQUIRE AMPLIFIER WITH SYSTEM OUTPUT.
- 2a ⌘ INDICATES EXISTING 5' x 5' ADVANCE LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES THAT LOOPS REQUIRE AMPLIFIERS WITH SYSTEM OUTPUT.
- ⎓ 45' POLE AND YAGI ANTENNA

REFER TO SPECIAL PROVISIONS FOR CABLE TYPE

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 FOUNDATION DETAIL.
3. ELECTRIC SERVICE IS SUPPLIED BY AMEREN CIPS.
4. REPLACE EXISTING YELLOW ARROW AND GREEN ARROW LENSES WITH YELLOW AND GREEN LENSES (NO ARROW) WORK, MATERIALS AND EQUIPMENT TO BE INCLUDED IN PRICE OF RELOCATING SIGNAL HEAD.

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL CABLE DIAGRAM AND HIGHWAY LIGHTING WIRING DIAGRAM ILLINOIS 13 AND REDCO ROAD/BAINBRIDGE TRAIL				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw\work\PW\DOT\SHEPARDGD\dss47330\Fdstumi3-Bain-sh1-TS.dgn	PLOT SCALE = 39.9999 / IN.	DRAWN -	REVISED -						331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	86
PLOT DATE = 10/14/2009	DATE -	CHECKED -	REVISED -		SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 98857				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								