

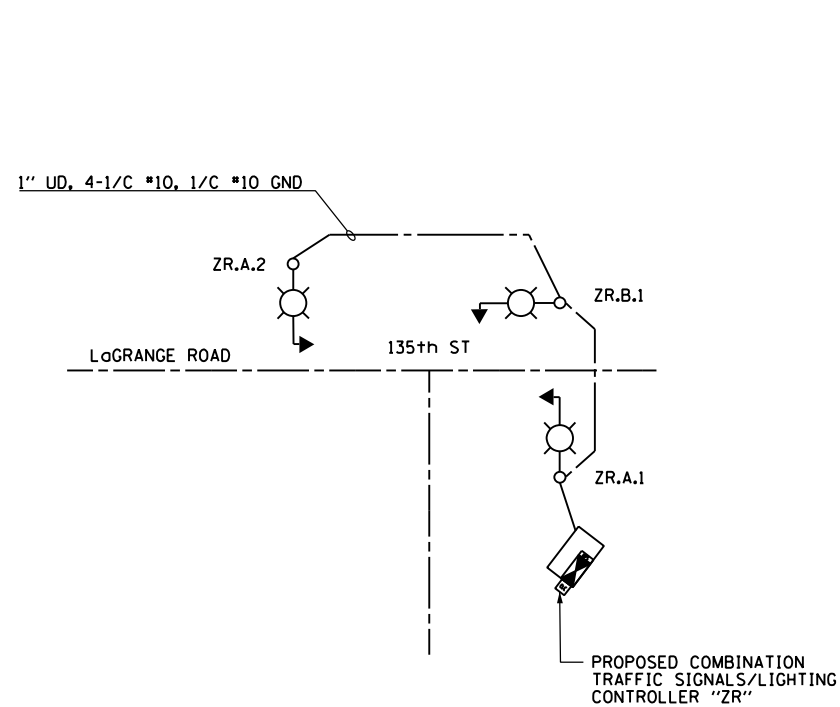


**LEGEND:**

-  PROPOSED COMBINATION POLE LIGHTING UNIT: 400W, 240V PHASE TO PHASE, HPS LUMINAIRE WITH TYPE III DISTRIBUTION, INSTALLED ON 12'-0" MAST ARM AT 45'-0" MOUNTING HEIGHT. POLE AND FOUNDATION SUPPLIED BY THE TRAFFIC SIGNAL CONTRACTOR, WITH 5A FUSES
-  PROPOSED COMBINATION LIGHTING CONTROLLER ATTACHED TO SIDE OF TRAFFIC SIGNALS CABINET 120/240V, 1Ø, 3W
- PROPOSED CONDUIT AND CABLE AS IDENTIFIED TO SECONDARY SIDE OF UTILITY SERVICE CONNECTION
- PROPOSED UNIT DUCT: SIZE AND QUANTITY OF CONDUCTORS AS IDENTIFIED

**NOTES:**

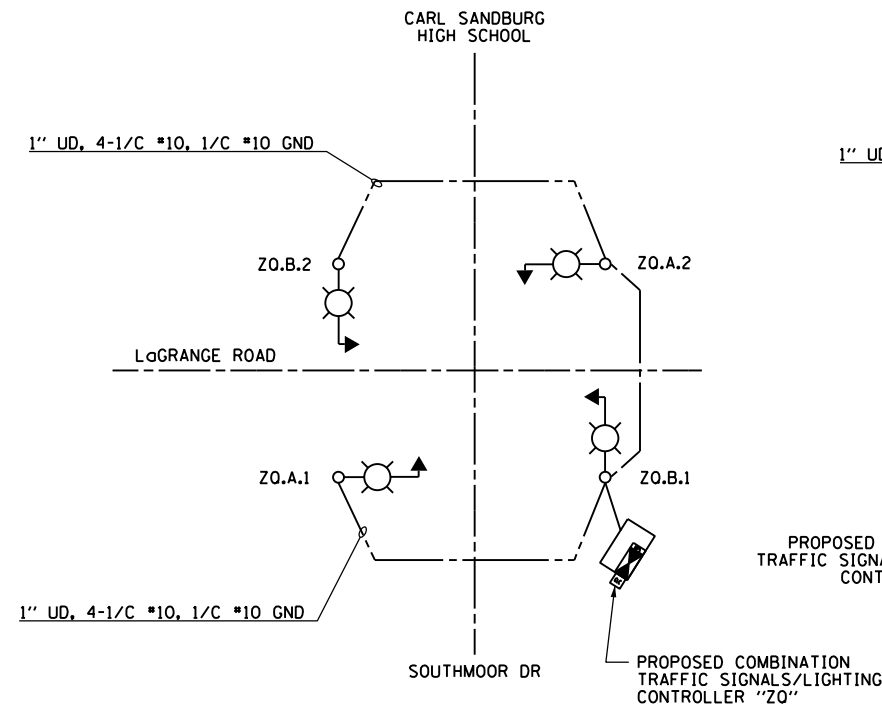
1. SEE DRAWING E-1 FOR ELECTRICAL ABBREVIATIONS. SEE DRAWING E-2 FOR ELECTRICAL GENERAL NOTES.
2. COLOR CODING OF CONDUCTORS FOR 120/240V, 1Ø, 3W COMBINATION LIGHTING SYSTEM IS AS FOLLOWS:  
 "A" PHASE - RED  
 "B" PHASE - BLACK  
 GROUND - GREEN



PROPOSED COMBINATION TRAFFIC/LIGHTING CONTROLLER  
 "ZR" WIRING DIAGRAM  
 N.T.S.

COMBO TRAFFIC/LIGHTING CONTROLLER "ZR" ROADWAY LIGHTING PANEL LOAD TABLE					
CIRCUIT			CIRCUIT		
	AMPS	WATTS		AMPS	WATTS
A	4	960	B	2	480
C	--	--	D	--	--
TOTAL	4.0	960	TOTAL	2.0	480

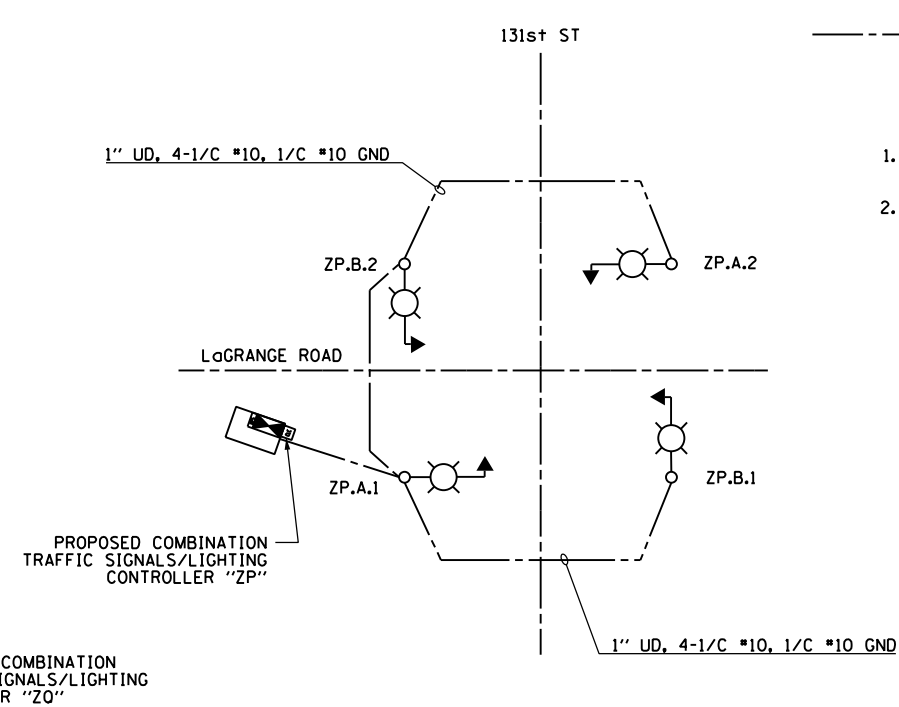
LOAD TABULATION IS BASED ON THE FOLLOWING:  
 400W HPS LUMINAIRE: 2.0A AT 240V (PHASE TO PHASE)



PROPOSED COMBINATION TRAFFIC/LIGHTING CONTROLLER  
 "ZO" WIRING DIAGRAM  
 N.T.S.

COMBO TRAFFIC/LIGHTING CONTROLLER "ZO" ROADWAY LIGHTING PANEL LOAD TABLE					
CIRCUIT			CIRCUIT		
	AMPS	WATTS		AMPS	WATTS
A	4	960	B	4	960
C	--	--	D	--	--
TOTAL	4.0	960	TOTAL	4.0	960

LOAD TABULATION IS BASED ON THE FOLLOWING:  
 400W HPS LUMINAIRE: 2.0A AT 240V (PHASE TO PHASE)



PROPOSED COMBINATION TRAFFIC/LIGHTING CONTROLLER  
 "ZP" WIRING DIAGRAM  
 N.T.S.

COMBO TRAFFIC/LIGHTING CONTROLLER "ZP" ROADWAY LIGHTING PANEL LOAD TABLE					
CIRCUIT			CIRCUIT		
	AMPS	WATTS		AMPS	WATTS
A	4	960	B	4	960
C	--	--	D	--	--
TOTAL	4.0	960	TOTAL	4.0	960

LOAD TABULATION IS BASED ON THE FOLLOWING:  
 400W HPS LUMINAIRE: 2.0A AT 240V (PHASE TO PHASE)

FILE NAME = D160M62-SHT-E29.dgn	USER NAME = Anthony.Plutz	DESIGNED - MAE	REVISED -
SHT_PLAN	PLOT SCALE = 2.000000' / in.	DRAWN - WM	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - DAD	REVISED -
		DATE - 03/13/13	REVISED -

US 45 (LaGRANGE ROAD) PROPOSED COMBINATION TRAFFIC / LIGHTING CONTROLLERS "CLC110", "CLC111", & "CLC112" WIRING DIAGRAM			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-5	COOK	778	353
E-29			CONTRACT NO. 60M62	
ILLINOIS FED. AID PROJECT				