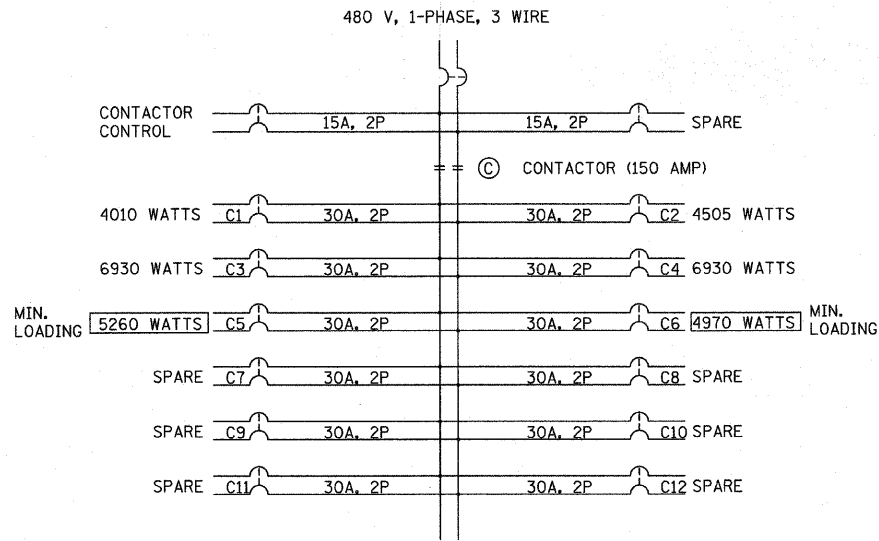
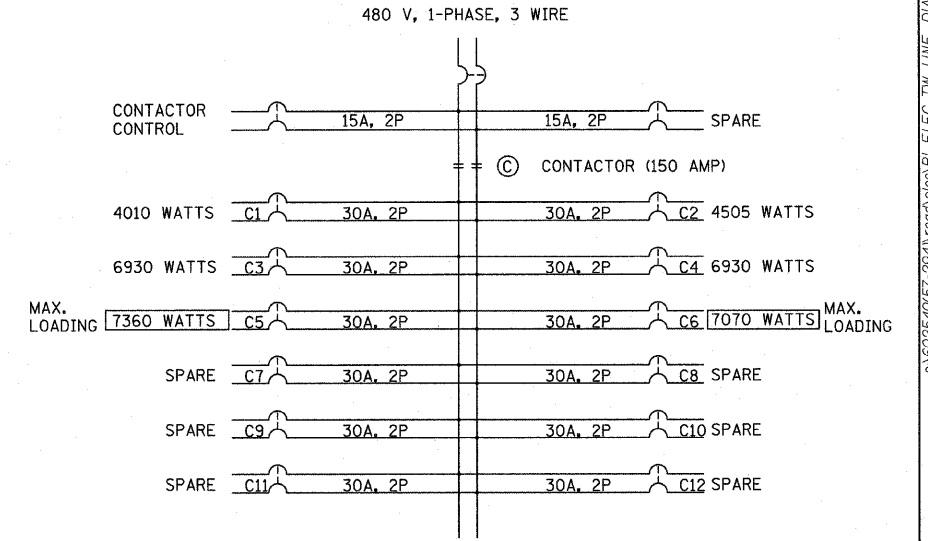


EXISTING TOLLWAY CONTROLLER AT
I-294 STA. 387+95 - WIRING DIAGRAM

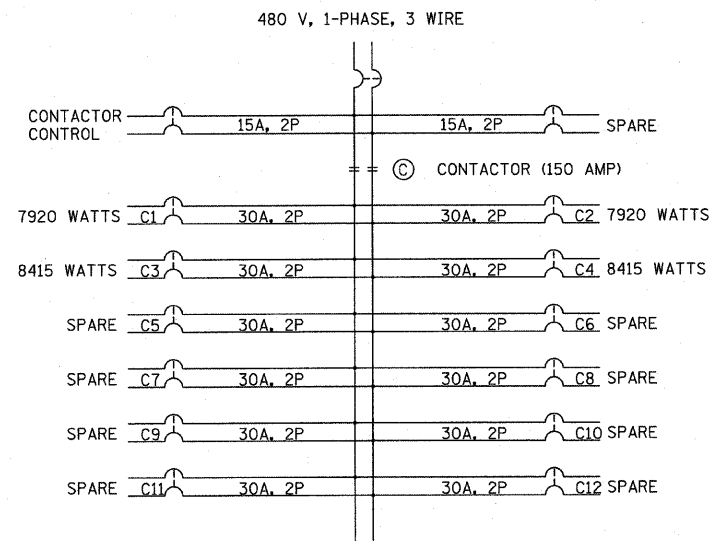


EXISTING TOLLWAY CONTROLLER AT
I-294 STA. 387+95 - WIRING DIAGRAM
DURING STAGED CONSTRUCTION

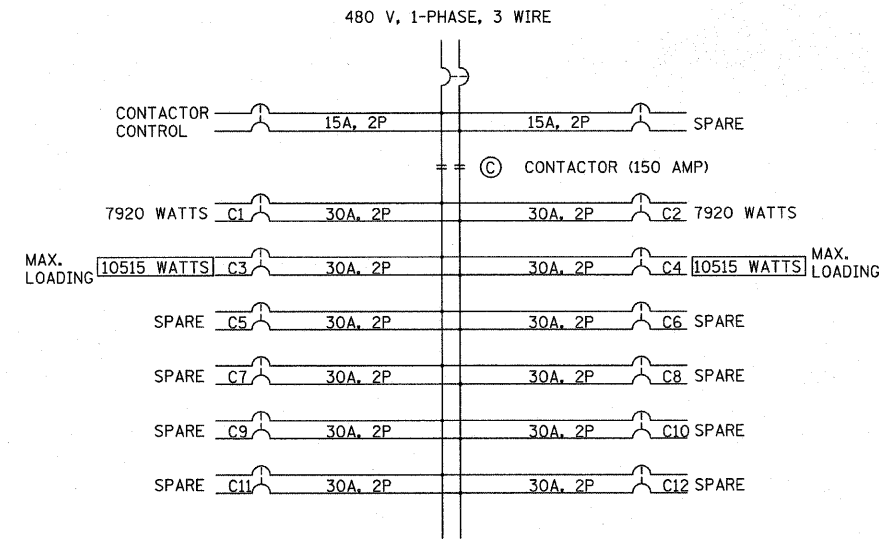


EXISTING TOLLWAY CONTROLLER AT
I-294 STA. 387+95 - WIRING DIAGRAM
IN FINAL CONFIGURATION

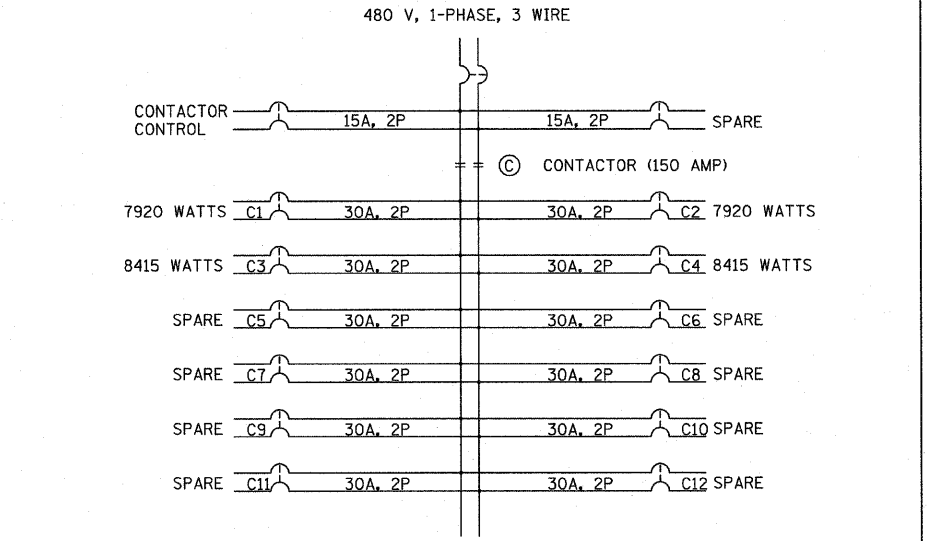
MIN. LOADING FOR CIRCUIT C5: 7210 WATTS (EXISTING LOAD) - 900 WATTS (TEMPORARY UNDERPASS LOAD) - 1200 WATTS (TEMPORARY MEDIAN LIGHT POLE LOAD) + 150 WATTS (ADDITIONAL UNDERPASS LOAD) = 5260 WATTS
 MIN. LOADING FOR CIRCUIT C6: 6920 WATTS (EXISTING LOAD) - 900 WATTS (TEMPORARY UNDERPASS LOAD) - 1200 WATTS (TEMPORARY MEDIAN LIGHT POLE LOAD) + 150 WATTS (ADDITIONAL UNDERPASS LOAD) = 4970 WATTS
 MAX. LOADING FOR CIRCUIT C5: 7210 WATTS (EXISTING LOAD) + 150 WATTS (ADDITIONAL UNDERPASS LOAD) = 7360 WATTS
 MAX. LOADING FOR CIRCUIT C6: 6920 WATTS (EXISTING LOAD) + 150 WATTS (ADDITIONAL UNDERPASS LOAD) = 7070 WATTS



EXISTING TOLLWAY CONTROLLER AT
I-294 STA. 443+00 - WIRING DIAGRAM



EXISTING TOLLWAY CONTROLLER AT
I-294 STA. 443+00 - WIRING DIAGRAM
DURING STAGED CONSTRUCTION



EXISTING TOLLWAY CONTROLLER AT
I-294 STA. 443+00 - WIRING DIAGRAM
IN FINAL CONFIGURATION

MAX. LOADING FOR CIRCUITS C3 AND C4 INCLUDES: 8415 WATTS (EXISTING LOAD) + 900 WATTS (TEMPORARY UNDERPASS LOAD) + 1200 WATTS (TEMPORARY MEDIAN LIGHT POLE LOAD) = 10515 WATTS
 PLEASE NOTE: LINE WIRE DIAGRAMS ARE BASED ON EXISTING DESIGN PLANS AND FIELD INVESTIGATIONS. THE CONTRACTOR SHALL FIELD VERIFY CIRCUIT LOADING PRIOR TO THE START OF ANY CONSTRUCTION OPERATIONS.

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	DRAWN - JDF	REVISED -		I-294 LIGHTING CONTROLLER WIRING DIAGRAMS		57	1414.2B	COOK	516	213	
	PLOT DATE =	CHECKED - JPM	REVISED -		SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEET	STA.	TO STA.	CONTRACT NO. 60J27			
		DATE - 3/18/2010	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					