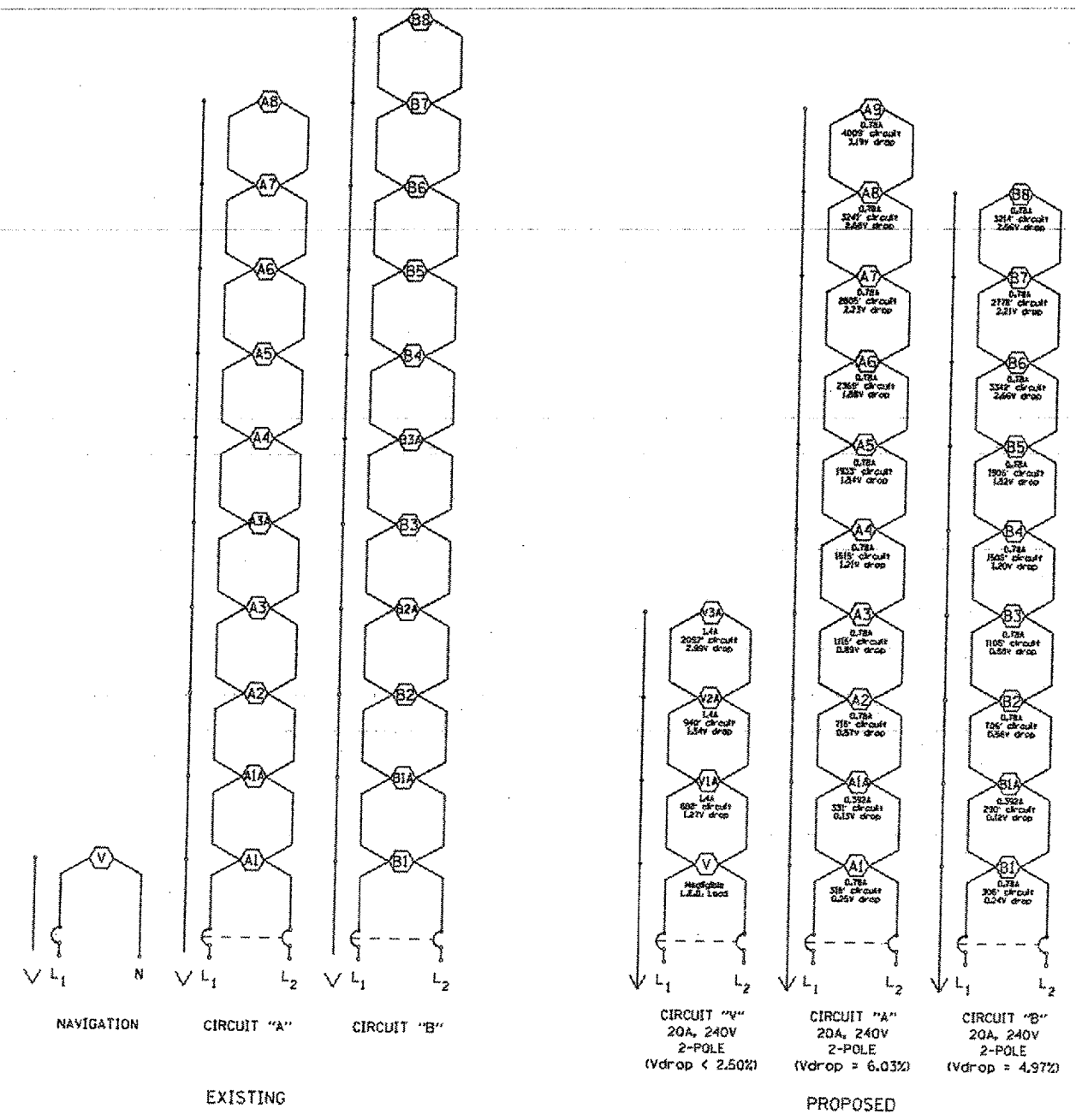
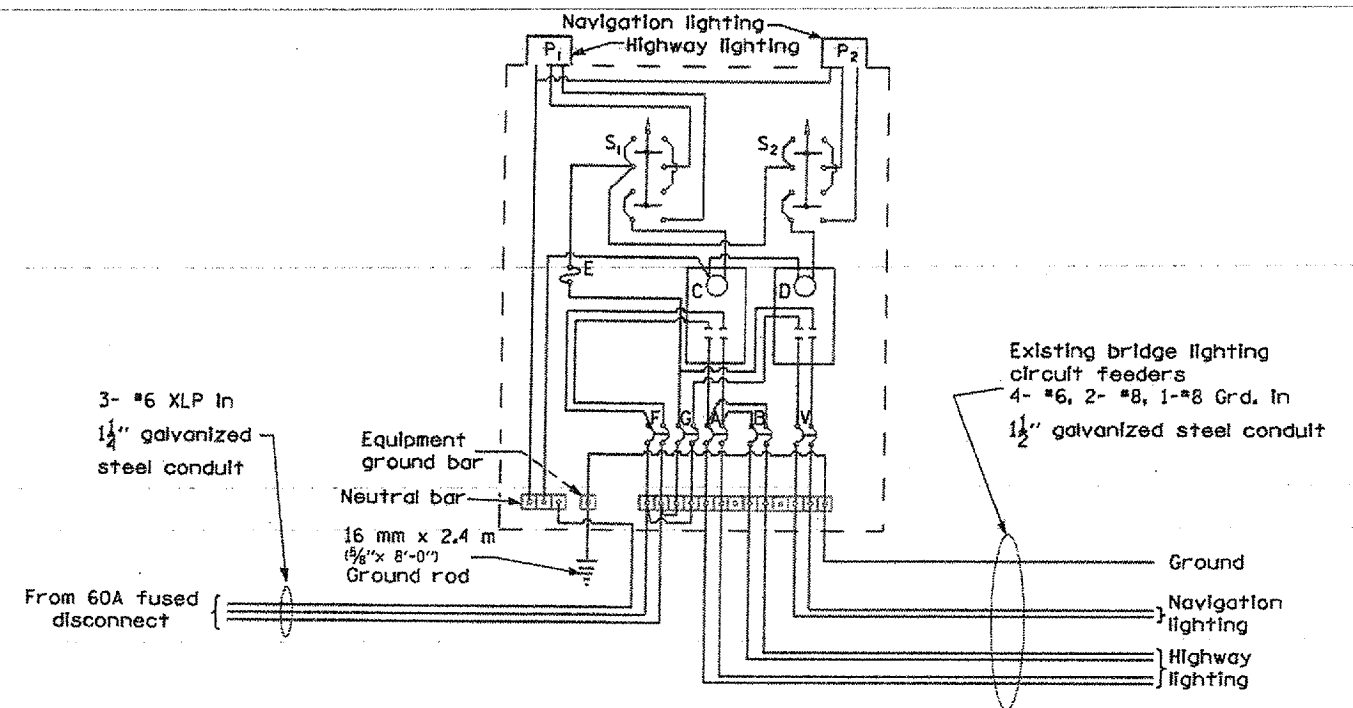


CONTRACT NO. 72669			
F.P.P. RY.	SECTION	COUNTY	TOTAL SHEET NO.
315	(228)1	HANCOCK	13 13
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



LOAD CONNECTION DIAGRAM



WIRING DIAGRAM FOR PROPOSED CONTROLLER

- P<sub>1</sub>, P<sub>2</sub> Photocells w/integral surge arrestors
- S<sub>1</sub>, S<sub>2</sub> Selector switch
- C Contactor, 40A., 2 pole, 240V.
- D Contactor, 30A., 2 pole, 240V.
- E 10A. Control fuse
- F 40A., 2 pole, main breaker
- G 30A., 2 pole, main breaker
- A, B 20A., 2 pole, branch circuit breaker (2 pics)
- V 20A., 2 pole, branch circuit breaker

Wiring shall be panel board fashion.  
 All bends shall be right angles.  
 All runs shall be vertical or parallel to panel board.  
 Wires shall be grouped or laced.  
 All control installation components shall be U.L. listed.  
 Label equipment ground and neutral.  
 Raceways shall terminate 75 (3) above top of concrete foundation.  
 All dimensions are in millimeters unless otherwise shown.

PLT DATE  
 FILE NO.  
 ORDER NO.

JLGT004

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		CONTROL INSTALLATION DUAL

SCALE: VERT. DATE  
 HORIZ. DRAWN BY  
 CHECKED BY