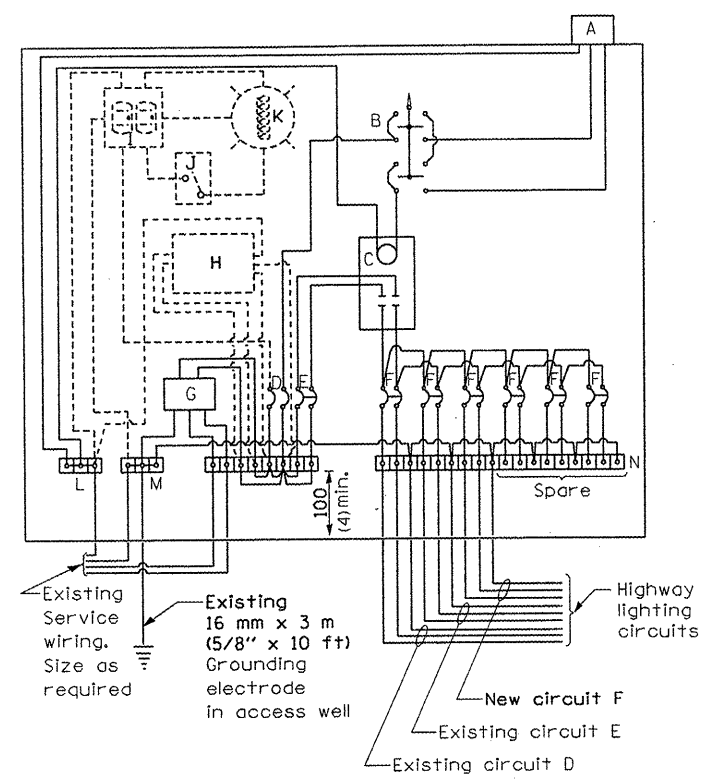


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MATERIALS

- A Existing Photocell w/ integral surge arrester (remote mount in urban areas)
 - B Existing 3 position selector switch HAND-OFF-AUTO
 - C Existing 100 amp* electrically held contactor, 120V operating coil
 - D Existing 15 amp, 1 pole, circuit breaker
 - E Existing 100 amp*, 2 pole, main circuit breaker
 - F Existing 30 amp*, 2 pole, branch circuit breaker (typ).
 - G Existing Surge arrester
 - H Existing Transformer (see notes), 1 KVA*, 240/480V primary, 120/240V sec. single phase
 - I Existing GFCI duplex receptacle
 - J Existing Single pole, single throw switch
 - K Existing Shielded security fixture with 100W lamp
 - L Existing Neutral bar
 - M Existing Equipment ground bar
 - N Existing Terminal block (typ)
- (* = Size larger as needed)

EXISTING LIGHTING CONTROLLER SCHEMATIC

GENERAL NOTES

Wiring shall be panel board fashion. All bends shall be right angles. All runs shall vertical or parallel to panel board. Wires shall be grouped or laced.

All control installation components shall be U.L. listed.

- 240 V. SERVICE
- 480 V. SERVICE

All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME =	USER NAME = dawso00078	DESIGNED - RDN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTHMOOR ROAD STAGE 2 IMPROVEMENT EXISTING LIGHTING CONTROLLER SCHEMATIC			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
I:\09Jobs\09L0027A\CADD\Elec\Sheet\009.dgn		DRAWN - ANC	REVISED -		SCALE: NONE	SHEET NO. 10 OF 10 SHEETS	STA.	TO STA.	6647	05-00302-01-PV	PEORIA	125	60
		CHECKED - RDN	REVISED -							11-00047-03-PV			
		DATE - 02/02/12	REVISED -							FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	M-5093(137)	