



PROPOSED SINGLE LINE DIAGRAM LIGHTING CONTROLLER "N"

PROPOSED SINGLE LINE DIAGRAM EXISTING POWER CABINET "I" (PCI)

CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	4.6	1104	B	4.6	1104
C	3.3	792	D	3.3	792
E	8	1920	F	8	1920
G	8	1920	H	8	1920
TOTAL	23.9	5736	TOTAL	23.9	5736

TOTAL LOAD ON CONTROLLER (@240 V): 47.8 AMP  
 TOTAL LOAD ON CONTROLLER (@480 V): 23.9 AMP

CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	EXISTING		B	EXISTING	
C	EXISTING		D	EXISTING	
E	EXISTING		F	EXISTING	
G	EXISTING		H	EXISTING	
I	EXISTING		J	EXISTING	
K	EXISTING		L	EXISTING	
M	EXISTING		N	EXISTING	
O	20	4800	P	20	4800
TOTAL	-	-	TOTAL	-	-

- LEGEND
- PROPOSED LIGHTING UNIT 47.5' M.H., 15' M.A., 400W HPS TYPE MC-III, 240V LUMINAIRE (BLACK PHASE)
  - PROPOSED LIGHTING UNIT 47.5' M.H., 15' M.A., 400W HPS TYPE MC-III, 240V LUMINAIRE (RED PHASE)
  - PROPOSED LIGHTING UNIT 25' M.H., 15' M.A., 250W HPS TYPE MC-III, 240V LUMINAIRE (BLACK PHASE)
  - PROPOSED LIGHTING UNIT 25' M.H., 15' M.A., 250W HPS TYPE MC-III, 240V LUMINAIRE (RED PHASE)
  - PROPOSED LIGHTING CONTROLLER CABINET "M", SINGLE DOOR, CONSOLE TYPE, VILLAGE OF ADDISON MAINTAINED, 100A, 240/480V, 1Ø
  - PROPOSED ELECTRIC SERVICE TRANSFORMER BY COMED ON EXISTING OR PROPOSED UTILITY WOOD POLE
  - ELECTRIC GROUND ROD

**GA** GANDHI AND ASSOCIATES, INC.  
 ENGINEERS AND PLANNERS  
 6035 N. NORTHWEST HIGHWAY  
 SUITE 306  
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FILE NAME =	USER NAME = .GAI.	DESIGNED - PKG	REVISED -
#FILE#		DRAWN - MAA, SHM	REVISED -
	PLOT SCALE = 1"=50'	CHECKED - PKG	REVISED -
	PLOT DATE = 2/25/2011	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROPOSED SINGLE LINE DIAGRAM LIGHTING CONTROLLER "N"  
 & EXISTING POWER CABINET "I" (PCI)  
 SCALE: 1"= 50' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
257B	532B	DuPage	781	564
CONTRACT NO. 60477				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				