



LEGEND OF SYMBOLS	
— BLK —	PROPOSED 120 VOLT PHASE CABLE (BLACK)
— RED —	PROPOSED 120 VOLT PHASE CABLE (RED)
— WHT —	PROPOSED 120 VOLT NEUTRAL CABLE (WHITE)
— GRN —	PROPOSED GROUND WIRE (GREEN)
— BLK —	EXISTING 120 VOLT PHASE CABLE (BLACK)
— RED —	EXISTING 120 VOLT PHASE CABLE (RED)
— WHT —	EXISTING 120 VOLT NEUTRAL CABLE (WHITE)
— GRN —	EXISTING GROUND WIRE (GREEN)
— ● —	SPLICE
	PROPOSED 70 WATT HPS PEDESTRIAN LUMINAIRE (120 VOLT) ON BLACK WIRE
	PROPOSED 70 WATT HPS PEDESTRIAN LUMINAIRE (120 VOLT) ON RED WIRE
	EXISTING 70 WATT HPS PEDESTRIAN LUMINAIRE (120 VOLT) ON BLACK WIRE
	EXISTING 70 WATT HPS PEDESTRIAN LUMINAIRE (120 VOLT) ON RED WIRE
<b>A1-1</b>	CIRCUIT/POLE NUMBER

LIGHTING CONTROLLER "B" CIRCUIT LOADS					
CIRCUIT	PHASE - RED		CIRCUIT	PHASE - BLACK	
	AMPS	WATTS		AMPS	WATTS
1	13.8	420	2	16.1	490
3	11.5	350	4	11.5	350
5	13.8	420	6	11.5	350
7	11.5	350	8	11.5	350
<b>TOTAL</b>	<b>50.6</b>	<b>1,540</b>	<b>TOTAL</b>	<b>50.6</b>	<b>1,540</b>

**NOTE:**  
PROPOSED LOAD FOR POLE = 70W LUMINAIRE + 120V FESTOON @ 180VA

Drawing file: W:\Projects\6010007 - Grand Ave Streetscape Stage II\GRAND\_AVE\_Lighting.dwg Jan 05, 2011 - 10:55am

**HANCOCK ENGINEERING**  
 Civil Engineers  
 Municipal Consultants  
 Established 1911

USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT SCALE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
PLOT DATE -	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GRAND AVENUE STREETSCAPE STAGE II  
WIRING DIAGRAM CONTROL CENTER "B"

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	10-00095-00-SW	COOK	29	19
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(823)	

E.H.E PROJECT NO. 760-10-00720