

**PROPOSED SINGLE LINE DIAGRAM,  
PROPOSED LIGHTING CONTROLLER "XC"  
CIRCUITS I,J,K,L**  
NOT TO SCALE

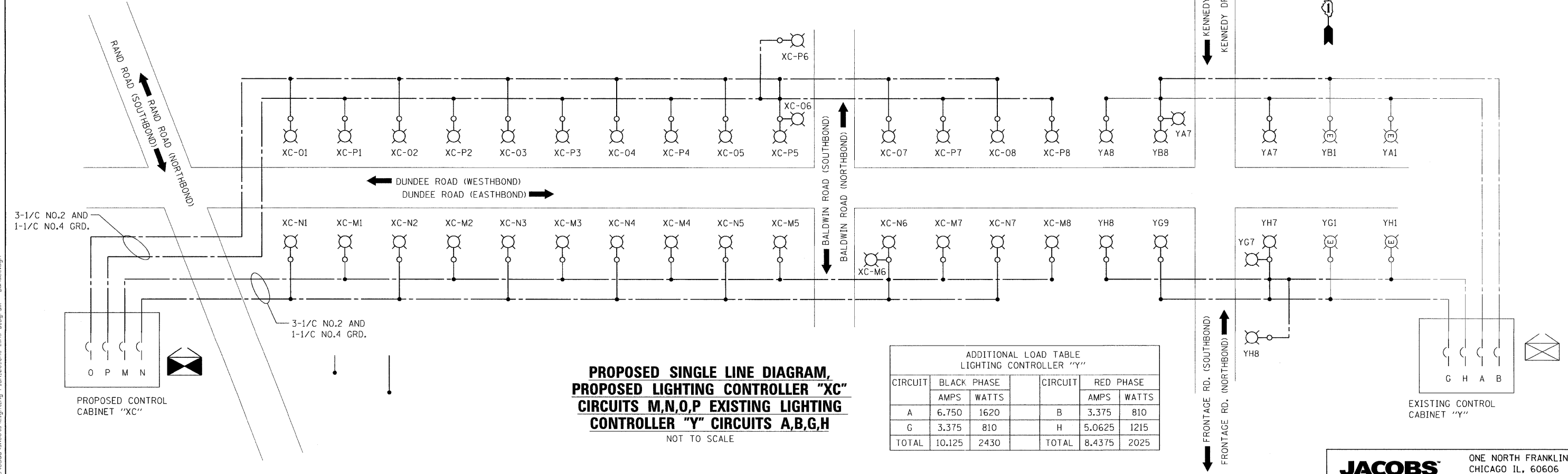
**LEGEND**

- 310 W. H.P.S. LUMINAIRE - PROPOSED
- LIGHTING CONTROLLER - PROPOSED
- LIGHTING CONTROLLER - EXISTING
- LIGHTING CONTROLLER - EXISTING

**LOAD TABLE LIGHTING CONTROLLER "XC"**

CIRCUIT	BLACK PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	13.50	3240	B	11.81	2835
C	13.50	3240	D	15.19	3645
E	18.56	4455	F	20.25	4860
G	18.56	4455	H	18.56	4455
I	6.75	1620	J	8.44	2025
K	8.44	2025	L	8.44	2025
M	13.50	3240	N	11.81	2835
O	13.50	3240	P	13.50	3240
<b>TOTAL</b>	<b>106.31</b>	<b>25515</b>	<b>TOTAL</b>	<b>108.00</b>	<b>25920</b>

PROPOSED CONTROL CABINET "XC"



**PROPOSED SINGLE LINE DIAGRAM,  
PROPOSED LIGHTING CONTROLLER "XC"  
CIRCUITS M,N,O,P EXISTING LIGHTING  
CONTROLLER "Y" CIRCUITS A,B,G,H**  
NOT TO SCALE

**ADDITIONAL LOAD TABLE  
LIGHTING CONTROLLER "Y"**

CIRCUIT	BLACK PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	6.750	1620	B	3.375	810
G	3.375	810	H	5.0625	1215
<b>TOTAL</b>	<b>10.125</b>	<b>2430</b>	<b>TOTAL</b>	<b>8.4375</b>	<b>2025</b>

EXISTING CONTROL CABINET "Y"

FILE NAME = Lighting Plan\_26\_One Line Diagram - Dundee.dgn

USER NAME = #USER#  
DESIGNED - HS  
DRAWN - MJO  
CHECKED - CDS  
DATE - 1/22/2009

REVISOR -  
REVISION -  
REVISION -  
REVISION -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN  
ONE LINE DIAGRAM  
DUNDEE ROAD**  
SCALE: N.T.S. SHEET NO. OF SHEETS STA. - TO STA. -

**JACOBS** ONE NORTH FRANKLIN CHICAGO IL, 60606 312-251-3000

F.A.P. RTE. 334	SECTION 2008-08-31	COUNTY COOK	TOTAL SHEETS 81	SHEET NO. 70
CONTRACT NO. 60F87				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				