

PROPOSED LIGHTING CONTROLLER DB CIRCUIT LOAD TABLE							
RED				BLACK			
CIRCUIT	QTY	AMP	KW	CIRCUIT	QTY	AMP	KW
A	7	14.0	3.36	B	7	14.0	3.36
C	8	16.0	3.84	D	9	18.0	4.32
E	4	8.0	1.92	F	4	8.0	1.92
G	7	14.0	3.36	H	7	14.0	3.36
TOTAL		52.0	12.48	TOTAL		54.0	12.96

400 WATT, 240V HPS LUMINAIRE = 2.0 AMPS

NOTE:
THE COST FOR CHANGING DECALS ON EXISTING POLES SHALL BE INCLUDED IN THE COST OF MAINTENANCE OF LIGHTING SYSTEM.



U.S. ROUTE 34 (OGDEN AVENUE)

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PROPOSED WIRING DIAGRAM

LEGEND

- PROPOSED 400 WATT, 240V HPS LUMINAIRE ON BLACK WIRE
- PROPOSED 400 WATT, 240V HPS LUMINAIRE ON RED WIRE
- RELOCATED 400 WATT, 240V HPS LUMINAIRE EXISTING LIGHTING UNIT
- EXISTING 400 WATT, 240V HPS LUMINAIRE ON BLACK WIRE
- EXISTING 400 WATT, 240V HPS LUMINAIRE ON RED WIRE
- PROPOSED COMBINATION TRAFFIC SIGNAL AND LIGHTING 400 WATT, 240V ON BLACK WIRE
- PROPOSED COMBINATION TRAFFIC SIGNAL AND LIGHTING 400 WATT, 240V ON RED WIRE
- EXISTING 1 1/4" UNIT DUCT WITH 3 1/C NO. 6 (EPR-TYPE RHW) AND 1 1/C NO. 8 GROUND (EPR-TYPE RHW)
- PROPOSED UNIT DUCT UNIT DUCT, 600V, 3-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
- PROPOSED LIGHTING CONTROLLER 240 / 480 VOLT, 150 AMP, BASE MOUNTED
- LUMINAIRE CIRCUIT
- LIGHTING UNIT IDENTIFICATION
- POLE NUMBER
- CONTROLLER
- DBB8 EXISTING POLE NUMBER
- DBB10 PROPOSED POLE NUMBER



USER NAME = jrt	DESIGNED - SJC	REVISED -
	DRAWN - NEM	REVISED -
PLOT SCALE = 240.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 1/30/2014	DATE - 1/30/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED WIRING DIAGRAM
US ROUTE 34 (OGDEN AVENUE) AT IL ROUTE 59

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	2013-062TS	DUPAGE	49	42
CONTRACT NO. 60X34				
ILLINOIS FED. AID PROJECT				

SHEET NO. 1 OF 1 SHEET STA. TO STA.