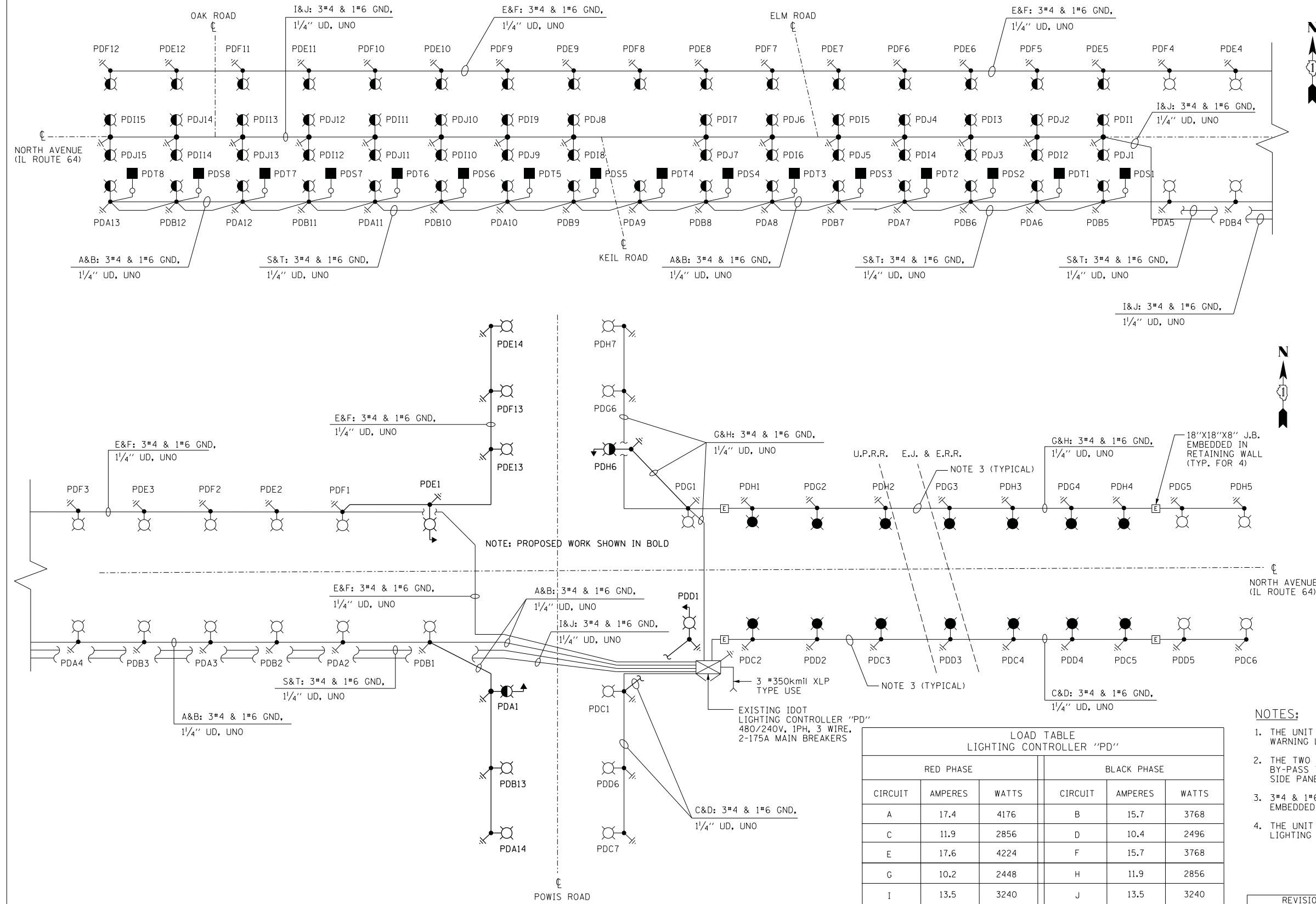


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130N-3 (11)	DUPAGE	141	119
STA. 130N-3 (11)		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

60R46

LEGEND

- LIGHTING UNIT:
47.5 FT. M.H., 15 FT. M.A.,
310W HPS M-C-III LUMINAIRE,
9" BREAKAWAY TRANSFORMER BASE
- LIGHTING UNIT:
20 FT. M.H., 6 FT. M.A.,
150W HPS M-C-III LUMINAIRE,
9" BREAKAWAY TRANSFORMER BASE
- PARAPET WALL LIGHTING UNIT:
45 FT. M.H., 15 FT. M.A.,
310W HPS M-C-III LUMINAIRE
- TWIN LIGHTING UNIT:
20 FT. M.H., TWIN 6 FT. M.A.,
150W HPS M-C-III LUMINAIRE,
9" BREAKAWAY TRANSFORMER BASE
- COMBINATION TRAFFIC SIGNAL AND
LUMINAIRE LIGHTING UNIT:
45 FT. M.H., 15 FT. M.A.,
400W HPS M-C-III LUMINAIRE
- COMBINATION TRAFFIC SIGNAL AND
LUMINAIRE LIGHTING UNIT:
45 FT. M.H., 15 FT. M.A.,
310W HPS M-C-III LUMINAIRE
- AVIATION OBSTRUCTION
WARNING LUMINAIRE
- LIGHTING CONTROLLER CABINET
- GROUND ROD
- ELECTRIC UTILITY SERVICE



SINGLE LINE DIAGRAM
 LIGHTING CONTROLLER "PD"
 NOT TO SCALE

CIRCUIT	RED PHASE		BLACK PHASE	
	AMPERES	WATTS	CIRCUIT	WATTS
A	17.4	4176	B	3768
C	11.9	2856	D	2496
E	17.6	4224	F	3768
G	10.2	2448	H	2856
I	13.5	3240	J	3240
K	-	-	L	-
M	-	-	N	-
O	-	-	P	-
S	0.2	48	T	48

TOTAL LOAD=33,168 WATTS

NOTES:

1. THE UNIT DUCT CONTAINING CIRCUITS S AND T FOR THE OBSTRUCTION WARNING LUMINAIRES SWEEPS AROUND THE POLE FOUNDATIONS.
2. THE TWO 30 AMP, 1 POLE, CIRCUIT BREAKERS FOR CIRCUITS S AND T BY-PASS THE LIGHTING CONTACTOR AND ARE LOCATED ON THE LEFT SIDE PANEL ADJACENT TO AUTO-MANUAL SWITCH.
3. 3*4 & 1*6 GND MULTI-CONDUCTOR TYPE TC CABLE IN 2" PVC CONDUIT EMBEDDED IN RETAINING WALL.
4. THE UNIT DUCT CONTAINING CIRCUITS I AND J FOR THE MEDIAN LIGHTING UNITS SWEEPS AROUND THE POLE FOUNDATIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

SINGLE LINE DIAGRAM
 LIGHTING CONTROLLER "PD"

SCALE: NONE
 DATE: FEBRUARY 1, 2013
 DRAWN BY: AFC
 CHECKED BY: WDS

