

LIGHTING CONTROLLER "T" LOAD TABLE					
CIRCUIT	RED PHASE		CIRCUIT	BLACK PHASE	
	AMPS	WATTS		AMPS	WATTS
A	24.5	5880	B	24.5	5880
C	32.36	7750	D	28.86	6910
E*	32.76	7862	F*	29.26	7022
G*	44.8	10760	H*	41.02	9845
I	--	--	J	--	--
K	--	--	L	--	--
M	--	--	N	--	--
O	--	--	P	--	--
Q	--	--	R	--	--
S	--	--	T	--	--
U	--	--	V	--	--
W	--	--	X	--	--
TOTAL	130.92	31,412	TOTAL	123.64	29,657

NOTES:

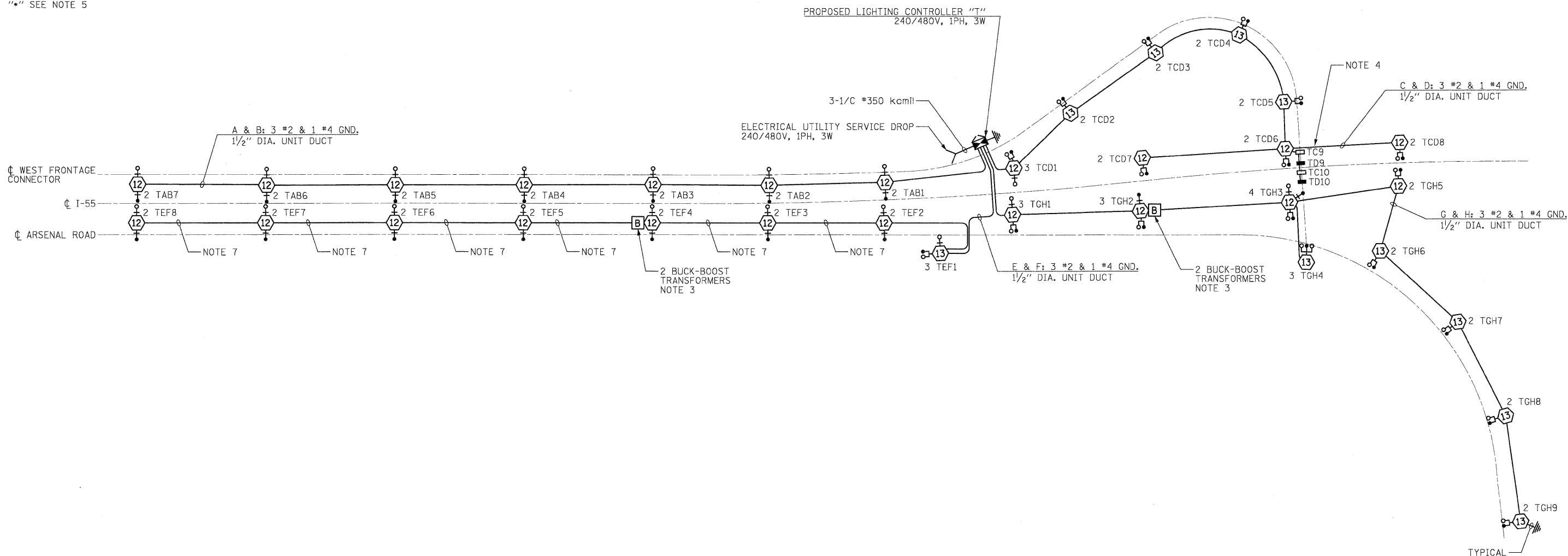
- SEE DRAWING GE-1 FOR ELECTRICAL SYMBOL LIST AND ABBREVIATIONS. SEE DRAWING GE-2 FOR ELECTRICAL GENERAL NOTES AND SUGGESTED LIGHTING PHASING NOTES.
- CIRCUIT AND CABLE CALLOUTS ARE TYPICAL UNLESS NOTED OTHERWISE.
- BUCK-BOOST TRANSFORMERS INSIDE OF TOWER MOUNTED, SS, NEMA 4X JUNCTION BOXES. SEE DRAWING RL4-4, NOTE 6 FOR TYPICAL BUCK-BOOST TRANSFORMER INFORMATION.
- UNDERPASS LIGHTING UNITS WIRED WITH 3#10 AND 1#10 GND IN 1" PVCC RGC FROM UNIT TO UNIT. SEE DRAWING UL-1 FOR TYPICAL UNDERPASS LIGHTING UNIT WIRING DIAGRAM.
- AMPS COLUMN INCLUDES ADDITIONAL AMPERAGE ON PRIMARY SIDE OF BUCK-BOOST TRANSFORMERS.
- SEE IDOT STANDARD DRAWING BE-505c FOR HIGH MAST POLE WIRING DIAGRAM.
- CKTS E&F: 3#2 & 1#4 GND, ECA.

LEGEND:

- PROPOSED HIGH MAST LIGHT TOWER
750W HPS LUMINAIRE (TYP. U.N.O.)
(BLACK PHASE - SOLID SYMBOLS,
RED PHASE - OPEN SYMBOLS)
- 12 120FT
13 130FT
- HIGH MAST TOWER DESIGNATION
- PROPOSED UNDERPASS LIGHTING UNIT
70W HPS LUMINAIRE (TYP. U.N.O.)
(BLACK PHASE - SOLID SYMBOLS,
RED PHASE - OPEN SYMBOLS)
- LIGHTING CONTROLLER
- GROUND FIELD
- ELECTRIC UTILITY SERVICE DROP
- BUCK-BOOST TRANSFORMER ENCLOSURE

LOAD TABULATION IS BASED ON THE FOLLOWING:

750W HPS (HMT) LUMINAIRE: 3.5A AT 240V
70W HPS UNDERPASS LUMINAIRE: 0.43A AT 240V
"*" SEE NOTE 5



FILE NAME = D168F12-SHT-EW-2.dgn	USER NAME = TK1uegal	DESIGNED - JLW	REVISED -
		DRAWN - CJM	REVISED -
		CHECKED - KMY	REVISED -
		DATE - 2/4/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 AT ARSENAL ROAD
PROPOSED LIGHTING CONTROLLER "T"
FINAL CONDITIONS SINGLE LINE DIAGRAM

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

F.A.I. RTE. 55	SECTION 99-21B-2B-1	COUNTY WILL	TOTAL SHEETS 756	SHEET NO. 415
CONTRACT NO. 60F12				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				