

PROPOSED 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:

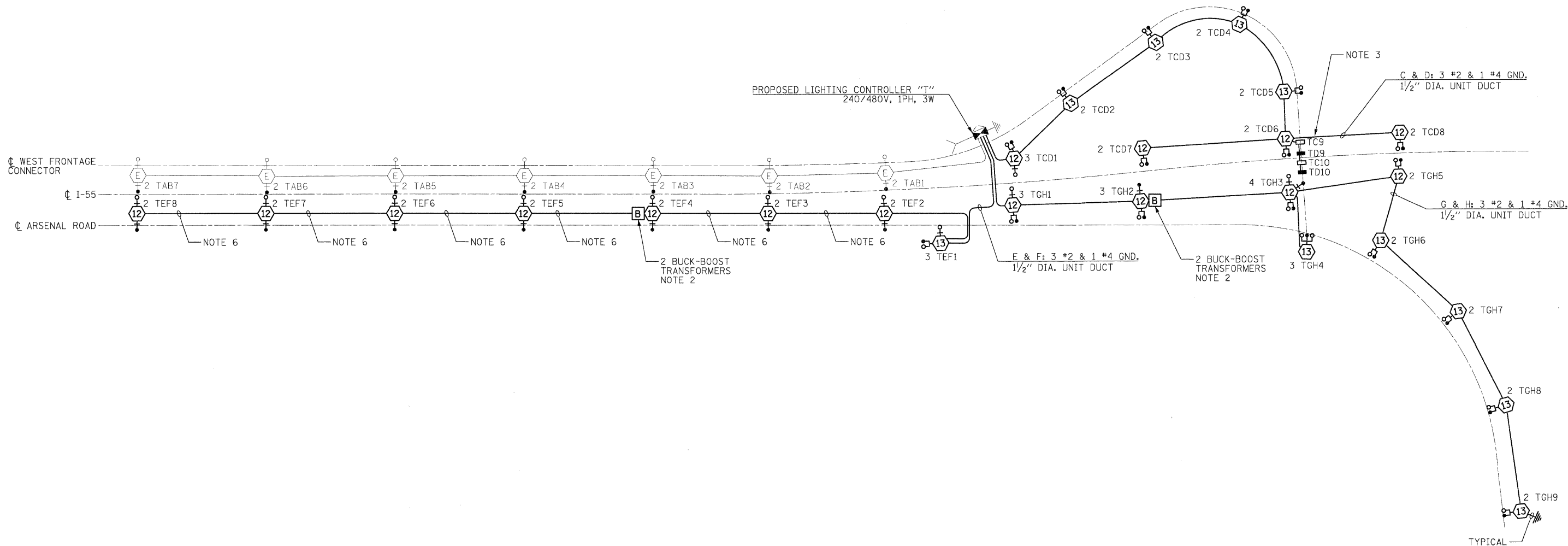
- SEE DRAWING GE-1 FOR ELECTRICAL SYMBOL LIST AND ABBREVIATIONS. SEE DRAWING GE-2 FOR ELECTRICAL GENERAL NOTES AND SUGGESTED LIGHTING PHASING NOTES.
- BUCK-BOOST TRANSFORMERS INSIDE OF TOWER MOUNTED, SS, NEMA 4X JUNCTION BOXES. SEE DRAWING RL4-1, NOTE 6 FOR TYPICAL BUCK-BOOST TRANSFORMER INFORMATION.
- UNDERPASS LIGHTING UNITS WIRED WITH 3*10 AND 1*10 GND IN 1" PVCC RGC FROM UNIT TO UNIT. REFER TO 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:

- EXISTING HIGH MAST LIGHT TOWER
750W HPS LUMINAIRE (TYP.)
(BLACK PHASE - SOLID SYMBOLS,
RED PHASE - OPEN SYMBOLS)
- HIGH MAST TOWER DESIGNATION
- PROPOSED HIGH MAST LIGHT TOWER
750W HPS LUMINAIRE (TYP. U.N.O.)
(BLACK PHASE - SOLID SYMBOLS,
RED PHASE - OPEN SYMBOLS)
- HIGH MAST TOWER DESIGNATION
12 120FT
13 130FT
- 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 4



FILE NAME = D:\00F12-SHT-EW4-2.dgn	USER NAME = TKJuegel	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" STAGE 4 SINGLE LINE DIAGRAM**

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

F.A.I. RTE. 55	SECTION 99-2HB-2B-1	COUNTY WILL	TOTAL SHEETS 756	SHEET NO. 413
CONTRACT NO. 60F12			ILLINOIS/FED. AID PROJECT	