



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

LIGHTING CONTROLLER "A" LOAD TABLE

CIRCUIT	RED PHASE		CIRCUIT	BLACK PHASE	
	AMPS	WATTS		AMPS	WATTS
A	38.5	9240	B	35	8400
C*	44.2	10609	D*	44.2	10609
E	10.5	2520	F	10.5	2520
G	31.5	7560	H	31.5	7560
I	21	5040	J	21	5040
K*	25.44	6107	L	21.94	5267
M	--	--	N	--	--
O	--	--	P	--	--
Q	--	--	R	--	--
S	21.86	6910	T	25.36	6910
U	--	--	V	--	--
W	--	--	X	--	--
TOTAL	193.00	46,320	TOTAL	189.50	45,480

NOTES:

1. SEE DRAWING GE-1 FOR ELECTRICAL SYMBOL LIST AND ABBREVIATIONS. SEE DRAWING GE-2 FOR ELECTRICAL GENERAL NOTES AND SUGGESTED LIGHTING PHASING NOTES.
2. CIRCUIT AND CABLE CALLOUTS ARE TYPICAL UNLESS NOTED OTHERWISE.
3. BUCK-BOOST TRANSFORMERS INSIDE OF TOWER MOUNTED, SS, NEMA 4X JUNCTION BOX. SEE DRAWING RL3-3, NOTE 7.
4. 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.
5. AMPS COLUMN INCLUDES ADDITIONAL AMPERAGE ON PRIMARY SIDE OF BUCK-BOOST TRANSFORMERS.
6. SEE IDOT STANDARD DRAWING BE-505c FOR HIGH MAST POLE WIRING DIAGRAM.

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

