

EXTERIOR LUMINAIRES

SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, PRODUCTS BY MANUFACTURERS SPECIFIED BELOW. THE USE OF A SPECIFIC MANUFACTURER'S PRODUCT FOR DESIGN STANDARD DOES NOT PRECLUDE THE CONTRACTOR FROM SEEKING EQUAL PRODUCTS FROM COMPETITIVE SOURCES. ALL PRODUCTS ARE SUBJECT TO FINAL APPROVAL BY THE ENGINEER.

		LAMPS		MOUNTING		MANUFACTURER				LOAD		
MARK	NO.	TYPE	TYPE	HEIGHT	BASIS OF DESIGN	CATALOG NO.		SHIELDING	TRIM FINISH	WATTS	VOLTS	REMARKS
F1	1	250W PSMH	ARM	25'-0"	LITHONIA	HEAD: KAD-250M-R3-TB-SCWA-SPD09-GALV-LPI POLE: SSS 25 4G DM9 GALV SERIES		FLAT GLASS	GALVANIZED	275	240	COMPETING MFR'S MUST PROVIDE A PHOTOMETRIC PLAN DEMONSTRATING EQUIVALENCE
F2	1	250W PSMH	ARM	25'-0"	LITHONIA	HEAD: KAD-250M-SR4SC-TB-SCWA-SPD09-GALV-LPI POLE: SSS 25 4G DM9 GALV SERIES		FLAT GLASS	GALVANIZED	298	240	COMPETING MFR'S MUST PROVIDE A PHOTOMETRIC PLAN DEMONSTRATING EQUIVALENCE
F3	1	250W PSMH	ARM	25'-0"	LITHONIA	HEAD: KAD-250M-SR4SC-TB-SCWA-SPD09-GALV-LPI POLE: SSS 25 4G DM9 GALV SERIES		FLAT GLASS	GALVANIZED	576	240	AS ABOVE WITH POLE DRILLED AND PLUGGED FOR FUTURE SECOND HEAD

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	F1	1	KAD 250M R3 (PULSE START)	Area Luminaire, 250W MH, R3 Reflector, Full Cutoff Meets the 'NIGHTTIME FRIENDLY' CRITERIA	ONE (1) 250 WATT CLEAR B728 PULSE START METAL HALIDE LAMP IN HORIZONTAL POSITION	KAD_250M_R3_(PULSE_STA RT).ies	22500	0.75	298
	F2	16	KAD 250M SR4SC (PULSE START)	Area Luminaire, 250W MH, High Performance SR4SC Sharp Cutoff Reflector, Full Cutoff Meets the 'NIGHTTIME FRIENDLY' CRITERIA	ONE (1) 250 WATT CLEAR B728 PULSE START METAL HALIDE LAMP IN HORIZONTAL POSITION	KAD_250M_SR4SC_(PULSE_STA RT).ies	22500	0.75	298
	F3	3							

STATISTICS

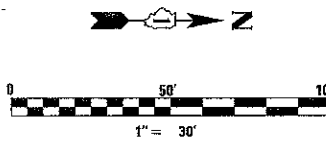
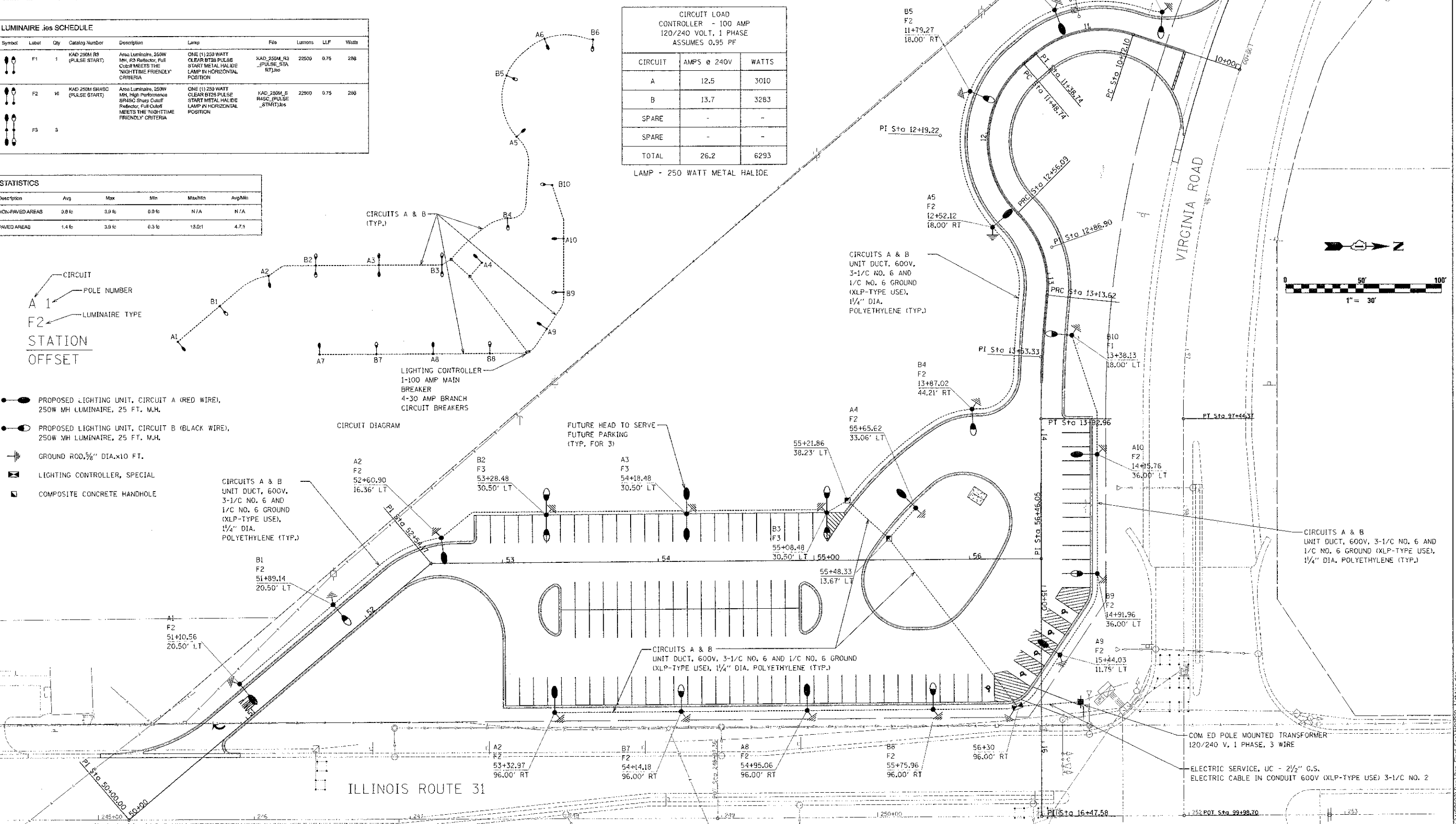
Description	Avg	Max	Min	Max/Min	Avg/Min
NON-PAVED AREAS	0.8 fc	3.9 fc	0.0 fc	N/A	N/A
PAVED AREAS	1.4 fc	3.9 fc	0.3 fc	13.0:1	4.7:1

CIRCUIT LOAD		
CONTROLLER - 100 AMP 120/240 VOLT, 1 PHASE ASSUMES 0.95 PF		
CIRCUIT	AMPS @ 240V	WATTS
A	12.5	3010
B	13.7	3263
SPARE	-	-
SPARE	-	-
TOTAL	26.2	6293

LAMP - 250 WATT METAL HALIDE

CIRCUIT
A 1
POLE NUMBER
F2
LUMINAIRE TYPE
STATION
OFFSET

- PROPOSED LIGHTING UNIT, CIRCUIT A (RED WIRE), 250W MH LUMINAIRE, 25 FT. M.H.
- PROPOSED LIGHTING UNIT, CIRCUIT B (BLACK WIRE), 250W MH LUMINAIRE, 25 FT. M.H.
- GROUND ROD, 5/8" DIA. x 10 FT.
- LIGHTING CONTROLLER, SPECIAL
- COMPOSITE CONCRETE HANDHOLE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VIRGINIA ROAD AT ILLINOIS 31 PARK AND RIDE
LIGHTING PLAN

SCALE: 1" = 30' SHEET NO. 1 OF 5 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	09-00370-00-PK	MCHENRY	17	10
C-91-072-10		CONTRACT NO. 63733		
ILLINOIS FED. AID PROJECT CMM-9003484				

By: [Signature] Date: 5/24/2012 22:27 PM

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MCHENRY COUNTY DIVISION
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WOODSTOCK, IL 60098

DESIGNED - TVW	REVISED -
DRAWN - KRP	REVISED -
CHECKED - JRL	REVISED -
DATE - 6/1/12	REVISED -