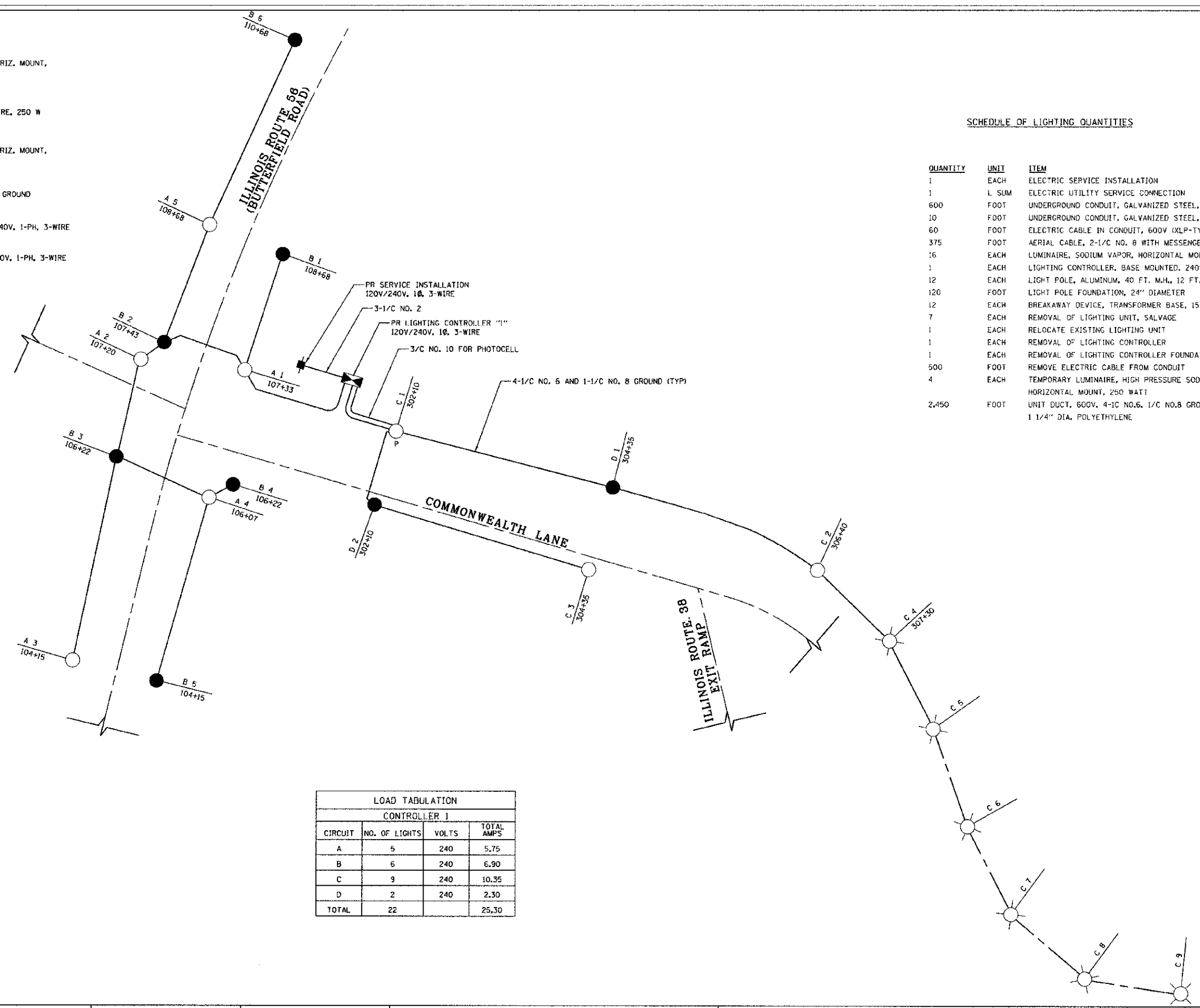


LEGEND

- LUMINAIRE, SODIUM VAPOR, HORIZ. MOUNT, 250 W. ON RED/BLACK WIRE
- ⊗ EXISTING DECORATIVE LUMINAIRE, 250 W
- LUMINAIRE, SODIUM VAPOR, HORIZ. MOUNT, 250 W. ON BLUE/ORANGE WIRE
- 4-1/2 NO. 6 AND 1-1/2 NO. 8 GROUND
- SERVICE INSTALLATION, 120/240V, 1-PH, 3-WIRE
- ⊞ LIGHTING CONTROLLER, 120/240V, 1-PH, 3-WIRE
- P PHOTO CELL LOCATION
- - - EXISTING CABLE

SCHEDULE OF LIGHTING QUANTITIES

QUANTITY	UNIT	ITEM
1	EACH	ELECTRIC SERVICE INSTALLATION
1	L SUM	ELECTRIC UTILITY SERVICE CONNECTION
600	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
10	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
60	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/2 NO. 2
375	FOOT	AERIAL CABLE, 2-1/2 NO. 8 WITH MESSENGER WIRE
16	EACH	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT
1	EACH	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP
12	EACH	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM
120	FOOT	LIGHT POLE FOUNDATION, 24" DIAMETER
12	EACH	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE
7	EACH	REMOVAL OF LIGHTING UNIT, SALVAGE
1	EACH	RELOCATE EXISTING LIGHTING UNIT
1	EACH	REMOVAL OF LIGHTING CONTROLLER
1	EACH	REMOVAL OF LIGHTING CONTROLLER FOUNDATION
500	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
4	EACH	TEMPORARY LUMINAIRE, HIGH PRESSURE SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT
2,450	FOOT	UNIT DUCT, 600V, 4-1/2 NO.6, 1/2 NO.8 GROUND, (EPR-TYPE RHW), 1 1/4" DIA. POLYETHYLENE



LOAD TABULATION

CONTROLLER J

CIRCUIT	NO. OF LIGHTS	VOLTS	TOTAL AMPS
A	5	240	5.75
B	6	240	6.90
C	9	240	10.35
D	2	240	2.30
TOTAL	22		25.30

PLAN SURVEYED BY DATE
 PLOTTED BY DATE
 NOTE BOOK NO. OF WAYS CHECKED
 NO. CADD FILE NAME

FILE PATH = G:\Dwg\2008\Phase\Phase2\Sheet\10100000-00-SHT-WiringDiagram.dwg



USER NAME = keioranz
 FILE NAME = D:\100000-00-SHT-WiringDiagram.dwg
 PLOT SCALE = 500.0001 ft. / in.
 PLOT DATE = 12/4/2012

DESIGNED - TKS
 DRAWN - TKS
 CHECKED - JMG
 DATE - 10/22/2012

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BUTTERFIELD ROAD AT COMMONWEALTH LANE
 WIRING DIAGRAM**

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

F.A.A. RTE. 3545	SECTION 09-00170-00-CH	COUNTY	TOTAL SHEETS 108	SHEET NO. 62
FED. ROAD DIST. NO. 7 (ILLINOIS) FED. AID PROJECT		CONTRACT NO. 63742		