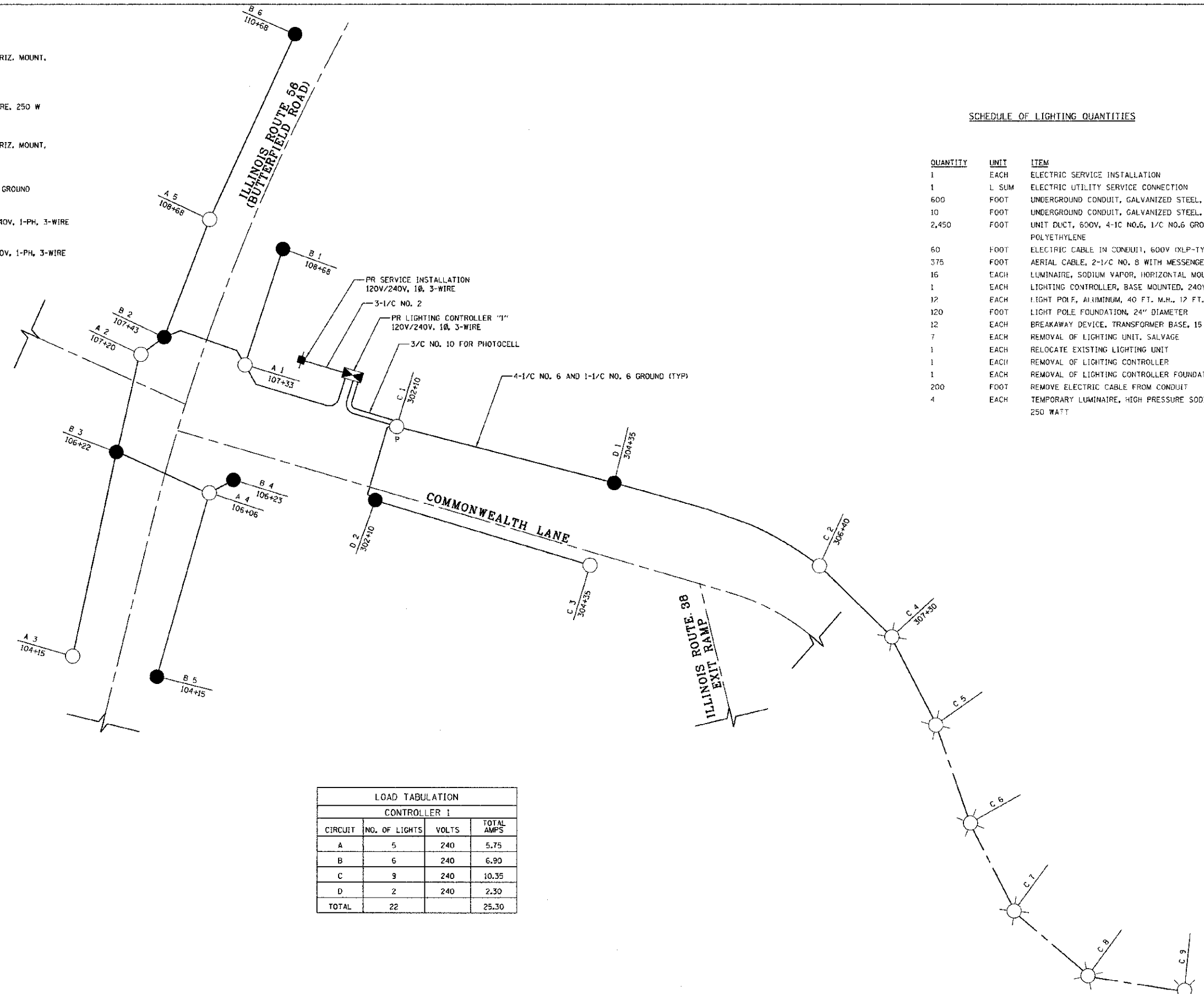


LEGEND

- 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
- ⊞ 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. |
| 2,450 | FOOT | UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE |
| 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 |
| 200 | FOOT | REMOVE ELECTRIC CABLE FROM CONDUIT |
| 4 | EACH | TEMPORARY LUMINAIRE, HIGH PRESSURE SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT |



LOAD TABULATION

| CONTROLLER 1 | | | |
|--------------|---------------|-------|--------------|
| 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 | SURVEY | DATE |
|------|--------|------|
| DATE | BY | |
| DATE | BY | |
| DATE | BY | |

FILE PATH = G:\Projects\2012\Road\Phase 2\Sheet 10\10-0008-SHT-WiringDiagram.dgn



| | | |
|---|-------------------|--------------------|
| USER NAME = kalorenz | DESIGNED - TKS | REVISED - 12/12/12 |
| FILE NAME = D:\0008-SHT-WiringDiagram.dgn | DRAWN - TKS | REVISED - |
| PLOT SCALE = 5/8"=1'-0" | CHECKED - JMG | REVISED - |
| PLOT DATE = 12/17/2012 | DATE - 10/22/2012 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTTERFIELD ROAD AT COMMONWEALTH LANE
WIRING DIAGRAM**

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

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