



| SUMMARY OF ROADWAY LIGHTING QUANTITIES | | | |
|--|---------------------------------------|------|-----|
| CODE NO. | ITEM | UNIT | QTY |
| 80400105 | ELECTRIC SERVICE INSTALLATION SPECIAL | EACH | 1 |
| 81012400 | CONDUIT IN TRENCH, 1/2\"/> | | |

CONTROL CABINET, FOUNDATION AND DIAGRAMMATIC ASSEMBLY DETAIL
NO SCALE

POLE/LUMINAIRE INSTALLATION DETAIL
NO SCALE

| LIGHTING CONTROLLER #74 BILL OF MATERIALS | | |
|---|------|--|
| QTY | ITEM | DESCRIPTION |
| 1 | 1 | 100A, 120/240V, 1Ø, 3Ø CIRCUIT PANELBOARD (INTERIOR ONLY, NO PANEL TUB, QUANTITY OF BREAKERS AS SHOWN IN PANELBOARD SCHEDULE) |
| 1 | 2 | HAND-OFF-AUTO SELECTOR SWITCH WITH LEGEND PLATE. |
| 1 | 3 | 120 VAC, 20A, 1P PLUNGERTYPE SWITCH FOR CONTROLLER LIGHT, DOOR ACTIVATED |
| 1 | 4 | INCANDESCENT LIGHT FIXTURE WITH CLEAR GLOBE AND PROTECTIVE GUARD. PROVIDE 60WATT, 130VAC LAMP. |
| 1 | 5 | PHOTOCELL SWITCH WITH LOCKING TYPE RECEPTACLE AND INTEGRAL SURGE ARRESTORS. PHOTOCELL SHALL BE CABINET MOUNTED AND SHIELDED FROM SURROUNDING LIGHT SOURCES. WITH TIME DELAY RELAY TO PREVENT NUISANCE SWITCHING. (SEE PHOTOCELL DETAIL). |
| 1 | 6 | DUPLEX RECEPTACLE, 120VAC, 20A, GFCI TYPE. |
| 1 | 7 | TERMINAL STRIPS. QUANTITY AS REQUIRED FOR INCOMING WIRING PLUS 100% SPARE TERMINALS. PROVIDE SEPARATE TERMINAL STRIPS FOR POWER, NEUTRAL AND GROUND WIRING AS REQUIRED. |
| 8 | 8 | LIGHTING CONTACTOR, 30A, 240VAC, 2 POLE, 120VAC ELECTRICALLY HELD COIL. PROVIDE SPACE FOR ADDITIONAL CONTACTORS. |
| 1 | 9 | SURGE ARRESTOR |
| 1 | 10 | CONTROL WIRING TERMINAL BLOCK |

ELECTRICAL KEYNOTES (THIS SHEET)

- A STEEL FOUNDATION - 6' LONG, 8 5/8" DIAMETER WITH THREADED HOLES FOR 1" BOLTS OR STUDS. A.B. CHANCE CT112-0353 OR APPROVED EQUAL. COORDINATE BOLT CIRCLE DIAMETER WITH POLES BEING PROVIDED.
- B CDR 12"W x 12"L x 12"D (UNLESS OTHERWISE INDICATED IN THE PLANS) FLARED WALL BOX WITH HEAVY DUTY COVER CAT.# PA22-1212-12-0062 OR APPROVED EQUAL.
- C 1 1/4" SCHEDULE 40 PVC FROM JUNCTION BOX TO 6" ABOVE BASE WITH 2 #10, 1 #10 GND. TO LUMINAIRE. PROVIDE A TWO POLE FUSEHOLDER WITH FUSES PER IDOT STANDARD SPECIFICATION 1065.01. PROVIDE SURGE PROTECTOR AT LOAD SIDE OF FUSE HOLDER PER IDOT STANDARD SPECIFICATION 1065.02.
- D 40" HAPCO SPUN ALUMINUM POLE WITH 8' MAST ARM. 8" DIAMETER AT BOTTOM OF POLE. TAPERS TO 6" AT TOP WITH 0.188" THICKNESS AND 11" TO 12" BOLT CIRCLE. HAPCO NO. 50704-014P1, BLACK, OR APPROVED EQUAL.
- E 250 WATT, HIGH PRESSURE SODIUM LUMINAIRE, FULL CUT-OFF, M-C-III DISTRIBUTION. LUMEC-HELIOS HBS SERIES CATALOG NO. HBS-250HPS-MC3-240-R-HPF-BK, BLACK, OR APPROVED EQUAL. LAMP PER IDOT STANDARD SPECIFICATION 1067.02.
- F CONDUIT TO ADJACENT HANDHOLE OR 12" STUB FOR FUTURE EXTENSION OF LIGHTING CIRCUIT.

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING DETAILS

DATE : 8-05
DRAWN BY : S.M.W.
CHECKED BY : J.J.F.

SCALE : NONE