

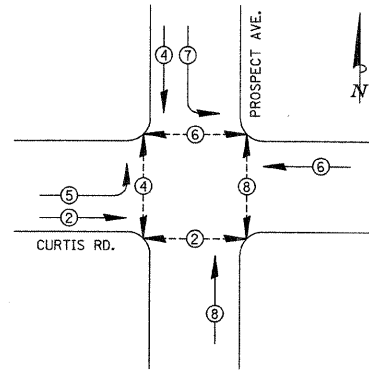
BILL OF MATERIALS

ITEM	UNIT	QUANTITY
SIGN PANEL, TYPE 2	50 FT	47.5
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	101
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	594
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	254
CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	52
CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	20
CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	10
CONDUIT AUGERED, 4" DIA., PVC	FOOT	240
CONDUIT AUGERED, 5" DIA., PVC	FOOT	135
HANDHOLE, COMPOSITE CONCRETE	EACH	4
DOUBLE HANDHOLE, COMPOSITE CONCRETE	EACH	1
GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	5
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	362
TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	669
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	1240
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1560
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	3010
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1770
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	1760
TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	EACH	2
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	3
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	15
CONCRETE FOUNDATION, TYPE C	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	8
TRAFFIC SIGNAL BACKPLATE	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	600
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	6
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	770
PEDESTRIAN PUSH-BUTTON POST, UNPAINTED ALUMINUM, TYPE II	EACH	4

• SEE TECHNICAL SPECIFICATIONS FOR SYSTEM GROUNDING INFORMATION.

TRAFFIC SIGNAL GENERAL NOTES

- THE ACTUAL LOCATIONS OF ALL SIGNAL FOUNDATIONS, HANDHOLES, AND THE TRAFFIC SIGNAL CONTROLLER WILL BE VERIFIED IN THE FIELD BY THE ENGINEER.
- POST MOUNTED SIGNAL HEADS SHALL BE INSTALLED SUCH THAT NO PART OF THE SIGNAL HEAD IS WITHIN TWO (2) FEET OF THE FACE OF CURB. MAST ARM POLES SHALL BE PLACED SUCH THAT A MINIMUM DISTANCE OF SIX (6) FEET IS MAINTAINED BETWEEN THE CENTER OF THE POLE AND THE FACE OF CURB (ON THE MAST ARM SIDE).
- THE TOP BRACKET FOR A SIGNAL HEAD MOUNTED TO A TAPERED LIGHT POLE SHALL BE SHIMMED AS REQUIRED BY THE INSTALLATION.
- 12" LENSES SHALL BE USED ON ALL SIGNAL FACES.
- THE LUMINAIRE ARM, LUMINAIRE POLE WIRING, AND LUMINAIRE SHALL BE ERECTED WITH THE TRAFFIC SIGNAL MAST ARM POLE. REFER TO THE ROADWAY LIGHTING PLANS FOR LUMINAIRE TYPE AND QUANTITY.
- MAST ARM FOUNDATIONS SHALL INCLUDE A SEPARATE STUB AND CAP FOR ROADWAY LIGHTING CABLE. ROADWAY LIGHTING CABLE AND TRAFFIC SIGNAL CABLE SHALL NOT SHARE THE SAME CONDUIT. REFER TO THE ROADWAY LIGHTING PLANS FOR ADDITIONAL INFORMATION.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- A 1/4" CONTINUOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES, FOUNDATIONS, AND CONTROLLERS. THE ROPE SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONDUIT PAY ITEM.
- THE TRAFFIC SIGNAL CONTROLLER AND THE TRAFFIC SIGNAL EQUIPMENT SHALL RECEIVE POWER FROM THE ROADWAY LIGHTING CONTROLLER. FOR ELECTRICAL SERVICE INFORMATION, REFER TO THE ROADWAY LIGHTING PLANS AND THE TECHNICAL SPECIFICATIONS.
- THE TRAFFIC SIGNAL CONTROLLER SHALL BE ORIENTED SUCH THAT INTERSECTION OPERATION AND CONTROLLER COMPONENTS CAN BE VIEWED SIMULTANEOUSLY.
- CONTROLLER PROGRAMMING OF SIGNAL TIMING WILL BE PROVIDED BY THE VILLAGE OF SAVOY.
- THE NECESSARY CONNECTIONS FOR PROPER OPERATION OF THE EMERGENCY VEHICLE PRIORITY SYSTEM, INCLUDING ALL ELECTRIC CABLE AND THE CONFIRMATION BEACON, SHALL BE INCLUDED IN THE COST OF THE LIGHT DETECTOR.
- THE ELECTRIC CABLE FOR THE LIGHT DETECTOR SHALL BE A CONTINUOUS UNBROKEN RUN FROM THE LIGHT DETECTOR TO THE LIGHT DETECTOR AMPLIFIER. SPLICES IN THE CABLE SHALL NOT BE ALLOWED.
- PEDESTRIAN PUSH-BUTTON SIGNS SHALL BE MOUNTED ABOVE EACH PEDESTRIAN PUSH-BUTTON ACCORDING TO STANDARD 876001. THE PEDESTRIAN PUSH-BUTTON SIGNS SHALL BE ACCORDING TO SECTION 888 OF THE STANDARD SPECIFICATIONS AND SHALL BE INCLUDED IN THE COST OF THE PEDESTRIAN PUSH-BUTTON.
- THE CONCRETE FOUNDATION FOR THE PEDESTRIAN PUSH-BUTTON POST SHALL BE INCLUDED IN THE COST OF THE PEDESTRIAN PUSH-BUTTON POST, UNPAINTED ALUMINUM, TYPE II.



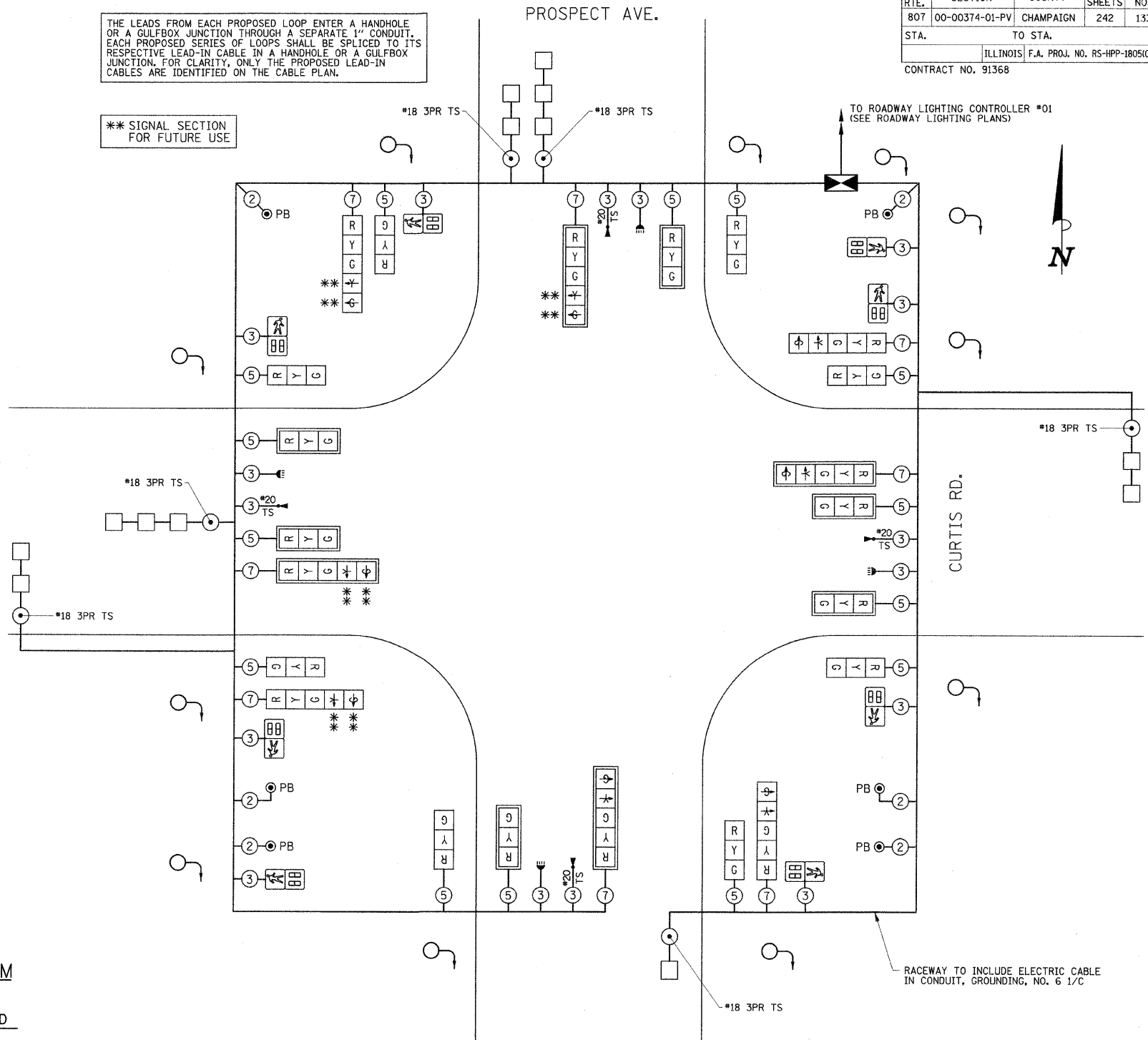
PHASE DESIGNATION DIAGRAM

PHASE DESIGNATION DIAGRAM LEGEND

- ⊙ (with 2) DUAL ENTRY PHASE * NUMBER REFERS TO ASSOCIATED PHASE
- ⊙ (with 1) PEDESTRIAN PHASE

THE LEADS FROM EACH PROPOSED LOOP ENTER A HANDHOLE OR A GULFBOX JUNCTION THROUGH A SEPARATE 1" CONDUIT. EACH PROPOSED SERIES OF LOOPS SHALL BE SPLICED TO ITS RESPECTIVE LEAD-IN CABLE IN A HANDHOLE OR A GULFBOX JUNCTION. FOR CLARITY, ONLY THE PROPOSED LEAD-IN CABLES ARE IDENTIFIED ON THE CABLE PLAN.

** SIGNAL SECTION FOR FUTURE USE



CABLE DIAGRAM LEGEND

- ☒ CONTROLLER CABINET
- ☒ (with 4) SIGNAL FACE
- ☒ (with 4) SIGNAL FACE AND BACKPLATE
- ⊙ (with 1) PEDESTRIAN PUSH-BUTTON
- ☒ (with 1) PEDESTRIAN SIGNAL FACE
- ☒ (with 1) CONFIRMATION BEACON
- ☒ (with 1) EMERGENCY VEHICLE PREEMPTION DETECTOR
- ③ DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED
- TS TWISTED, SHIELDED
- ☐ DETECTOR LOOP, TYPE I
- ⊕ GROUNDING SYSTEM CONNECTION

CABLE DIAGRAM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	133
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO.	RS-HPP-18051001	
CONTRACT NO. 91368				

ILLINOIS DEPARTMENT OF TRANSPORTATION
CURTIS ROAD & PROSPECT AVENUE
TRAFFIC SIGNAL PLANS
 CABLE DIAGRAM/PHASE DESIGNATION DIAGRAM/
 TRAFFIC SIGNAL GENERAL NOTES/BILL OF MATERIALS
 DATE : 10-08
 DRAWN BY : J.A.J.
 CHECKED BY : R.L.H.
 SCALE : NONE