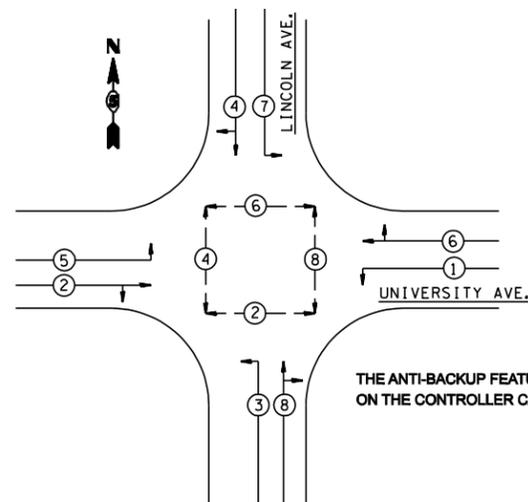
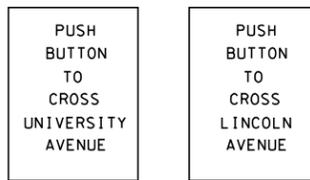


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(28X)TS-3	CHAMPAIGN	13	11

PHASE DESIGNATION DIAGRAM



PEDESTRIAN PUSH-BUTTON SIGNS



PEDESTRIAN PUSH-BUTTON SIGNS SHALL BE MOUNTED ABOVE THE PEDESTRIAN PUSH BUTTONS. THE SIGNS SHALL BE BOLTED TO THE POSTS.

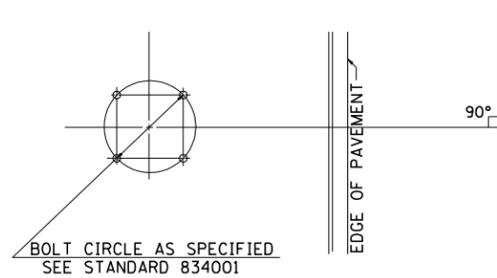
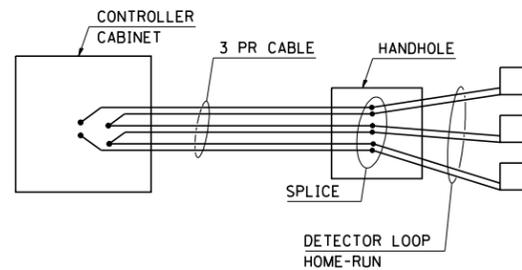
BILL OF MATERIALS

U.S. 45 / 150 (UNIVERSITY AVE.) & LINCOLN AVE.

ITEM	UNIT	QUANTITY
STEEL COMBINATION MAST ARM ASSEMBLY ANDPOLE WITH DUAL MAST ARMS, 48 FT. AND 22FT. SERVICE INSTALLATION, TYPE B	EACH	1
CONDUIT IN TRENCH, 1" DIA., PVC	EACH	1
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	197
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	671
CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	157
CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	118
CONDUIT IN TRENCH, 6" DIA., PVC	FOOT	28
CONDUIT, AUGERED 2" DIA., PVC	FOOT	4
CONDUIT, AUGERED 3" DIA., PVC	FOOT	93
CONDUIT, AUGERED 4" DIA., PVC	FOOT	164
CONDUIT SPLICE	FOOT	90
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC	EACH	1
HANDHOLE	FOOT	30
DOUBLE HANDHOLE	EACH	9
GULFBOX JUNCTION	EACH	1
GULFBOX JUNCTION REMOVAL	EACH	4
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	EACH	6
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	283
LIGHT POLE, WOOD, 35 FOOT, CLASS 4	FOOT	1120
RAILROAD, FULL-ACUATED CONTROLLER AND CABINET	EACH	1
TRANSCEIVER	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	636
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2308
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	2151
ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 16 3 PAIR	FOOT	2943
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	161
TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	FOOT	99
TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	1
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	18.6
CONCRETE FOUNDATION, TYPE C	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	37
SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD ,POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD ,POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, 2-FACE, BRACKET MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	22
DETECTOR LOOP, TYPE I	FOOT	1355
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4300
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING CONCRETE FOUNDATION	EACH	17
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
RADIO INTERCONNECT SYSTEM LOCAL, COMPLETE	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	711
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	1728
LUMINAIRE, METAL HALIDE HORIZONTAL MOUNT 250 WATT	EACH	1

DETAIL OF DETECTOR LOOP WIRING

WIRED IN SERIES WITH MULTI-PAIR CABLE



DETAIL OF MAST ARM FOUNDATION BOLT PATTERN

ITEMS TO BE RETURNED TO IL. DEPT. OF TRANSPORTATION

ITEM	QUANTITY
CONTROLLER CABINET	1 EACH
CONTROLLER CABINET	1 EACH

ITEMS TO BE RETURNED TO THE CITY OF URBANA

ITEM	QUANTITY
LED MODULES	ALL-CONFIRM IN FIELD