

TRAFFIC SIGNAL GENERAL NOTES

- THE FINAL LOCATION OF ALL TRAFFIC CONTROL ITEMS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.
- COMBINATION MAST ARM ASSEMBLIES SHALL BE FURNISHED WITH 12 FOOT TRUSS ARMS WITH A MOUNTED LUMINAIRE HEIGHT OF 40 FEET. TRUSS ARMS TO BE ALIGNED WITH THE MAST ARM WITH NO ROTATION.
- ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.
- DETECTOR LOOPS SHALL BE INSTALLED AFTER THE COMPLETION OF THE RESURFACING OF LINCOLN AND PENNSYLVANIA WHICH IS BEING CONSTRUCTED UNDER A SEPARATE CONTRACT.
- ALL TRAFFIC SIGNAL HEADS SHALL BE 12". LED INDICATIONS SHALL BE USED ON ALL SIGNAL AND PEDESTRIAN HEADS. PEDESTRIAN SIGNAL HEAD FACES SHALL BE SYMBOLS WITH COUNTDOWN TIMERS.
- ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE INSTALLED ON ALL SIDEWALK APPROACHES USING THE POLARA "NAVIGATOR" SYSTEM OR APPROVED EQUIVALENT.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY, INCIDENTAL TO THE CONDUIT PAY ITEM. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FOOT DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL COOPERATE WITH THE UNIVERSITY OF ILLINOIS OPERATIONS STAFF IN ARRANGING FOR ELECTRIC SERVICE ON THIS PROJECT. ALL CITY OF URBANA AND UNIVERSITY OF ILLINOIS REQUIREMENTS AND OTHER CODES FOR MAKING THE CONNECTION OF POWER TO THE CONTROLLER AND STREETLIGHTS SHALL BE ADHERED TO COMPLETELY.
- ALL PAVEMENT MARKINGS ARE TO BE INSTALLED BY OTHERS AND ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR IN LAYING OUT THE PROPOSED DETECTOR LOOPS.

DETECTOR LOOP DATA

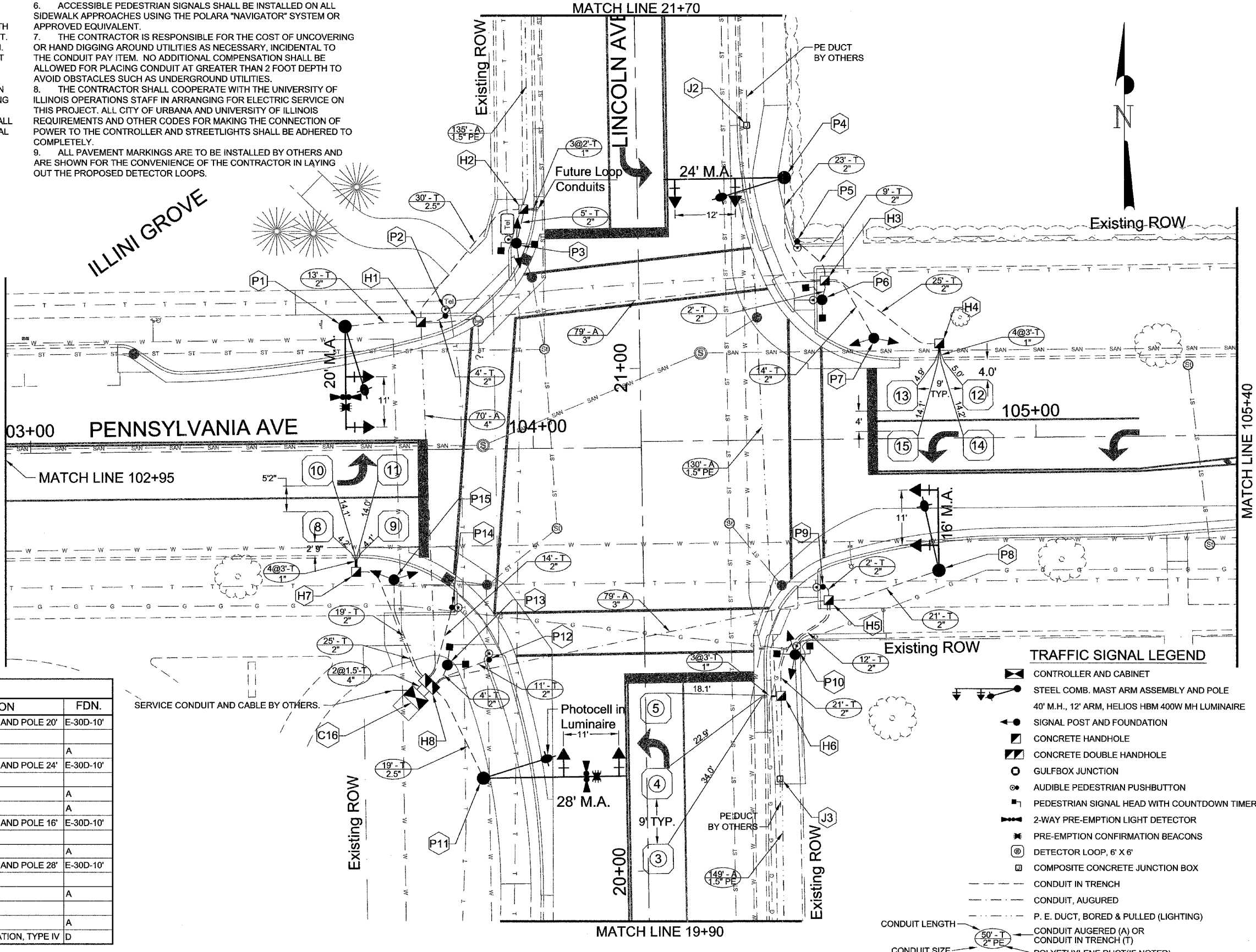
NO.	STATION	OFFSET	DESCRIPTION
1	18+71.4	15.6' RT.	6' X 6' DETECTOR LOOP
2	18+91.4	4.6' RT.	6' X 6' DETECTOR LOOP
3	20+02.4	2.0' RT.	6' X 6' DETECTOR LOOP
4	20+17.4	2.0' RT.	6' X 6' DETECTOR LOOP
5	20+32.4	2.0' RT.	6' X 6' DETECTOR LOOP
6	22+74.0	13.0' LT.	6' X 6' DETECTOR LOOP
7	22+74.0	2.0' LT.	6' X 6' DETECTOR LOOP
8	103+57.0	15.2' RT.	6' X 6' DETECTOR LOOP
9	103+72.0	15.2' RT.	6' X 6' DETECTOR LOOP
10	103+57.0	4.0' RT.	6' X 6' DETECTOR LOOP
11	103+72.0	4.0' RT.	6' X 6' DETECTOR LOOP
12	104+88.5	8.5' LT.	6' X 6' DETECTOR LOOP
13	104+73.5	8.5' LT.	6' X 6' DETECTOR LOOP
14	104+88.5	1.5' RT.	6' X 6' DETECTOR LOOP
15	104+73.5	1.5' RT.	6' X 6' DETECTOR LOOP

HANDHOLE AND JUNCTION BOX DATA

NO.	STATION	OFFSET	DESCRIPTION
H1	103+77.9	25.3' LT.	CONC. HANDHOLE
H2	21+32.0	22.7' LT.	CONC. HANDHOLE
H3	104+58.4	31.5' LT.	CONC. HANDHOLE
H4	104+81.0	18.8' LT.	CONC. HANDHOLE
H5	104+58.4	32.0' RT.	CONC. HANDHOLE
H6	20+34.5	27.0' RT.	CONC. HANDHOLE
H7	103+64.5	24.2' RT.	CONC. HANDHOLE
H8	20+38.0	43.0' LT.	CONC. DOUBLE HANDHOLE
J1	22+68.5	21.5' LT.	GULFBOX JUNCTION
J2	21+48.0	22.0' RT.	JUNCTION BOX(STREETLIGHT)
J3	20+18.0	26.5' RT.	JUNCTION BOX(STREETLIGHT)
J4	18+84.0	24.5' RT.	GULFBOX JUNCTION

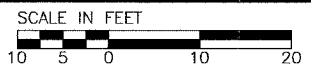
POST AND MAST ARM DATA

NO.	STATION	OFFSET	DESCRIPTION	FDN.
P1	103+62.8	24.6' LT.	STEEL COMB. MAST ARM ASSEMBLY AND POLE 20'	E-30D-10'
P2	103+82.8	26.5' LT.	PEDESTRIAN PUSH-BUTTON POST	
P3	21+32.0	22.7' LT	TRAFFIC SIGNAL POST, 16'	A
P4	21+37.5	29.3' RT.	STEEL COMB. MAST ARM ASSEMBLY AND POLE 24'	E-30D-10'
P5	104+53.0	39.4' LT.	PEDESTRIAN PUSH-BUTTON POST	
P6	104+57.8	27.7' LT.	TRAFFIC SIGNAL POST, 10'	A
P7	104+68.0	20.0' LT.	TRAFFIC SIGNAL POST, 14'	A
P8	104+80.4	26.3' RT.	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16'	E-30D-10'
P9	104+57.3	29.3' RT.	PEDESTRIAN PUSH-BUTTON POST	
P10	104+51.6	42.7' RT.	TRAFFIC SIGNAL POST, 16'	A
P11	20+19.1	32.5' LT.	STEEL COMB. MAST ARM ASSEMBLY AND POLE 28'	E-30D-10'
P12	20+42.6	31.0' LT.	PEDESTRIAN PUSH-BUTTON POST	
P13	20+41.7	39.3' LT.	TRAFFIC SIGNAL POST, 10'	A
P14	103+83.5	31.4' RT.	PEDESTRIAN PUSH-BUTTON POST	
P15	103+72.0	25.8' RT.	TRAFFIC SIGNAL POST, 14'	A
C16	20+35.3	45.7' LT.	CONTROLLER CABINET AND FOUNDATION, TYPE IV	D



TRAFFIC SIGNAL LEGEND

- CONTROLLER AND CABINET
- STEEL COMB. MAST ARM ASSEMBLY AND POLE
- 40' M.H., 12' ARM, HELIOS HBM 400W MH LUMINAIRE
- SIGNAL POST AND FOUNDATION
- CONCRETE HANDHOLE
- CONCRETE DOUBLE HANDHOLE
- GULFBOX JUNCTION
- AUDIBLE PEDESTRIAN PUSHBUTTON
- PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER
- 2-WAY PRE-EMPTION LIGHT DETECTOR
- PRE-EMPTION CONFIRMATION BEACONS
- DETECTOR LOOP, 6' X 6'
- COMPOSITE CONCRETE JUNCTION BOX
- CONDUIT IN TRENCH
- CONDUIT, AUGURED
- P. E. DUCT, BORED & PULLED (LIGHTING)
- CONDUIT AUGERED (A) OR CONDUIT IN TRENCH (T)



LINCOLN-PENNSYLVANIA TRAFFIC SIGNAL INSTALLATION
City Section 04-00396-00-TL

Design/ACAD by: JLS
Approved by: WRG
Date: 12/30/05

TRAFFIC SIGNAL LAYOUT
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TOTAL SHEETS: 12
SHEET NO.: 9