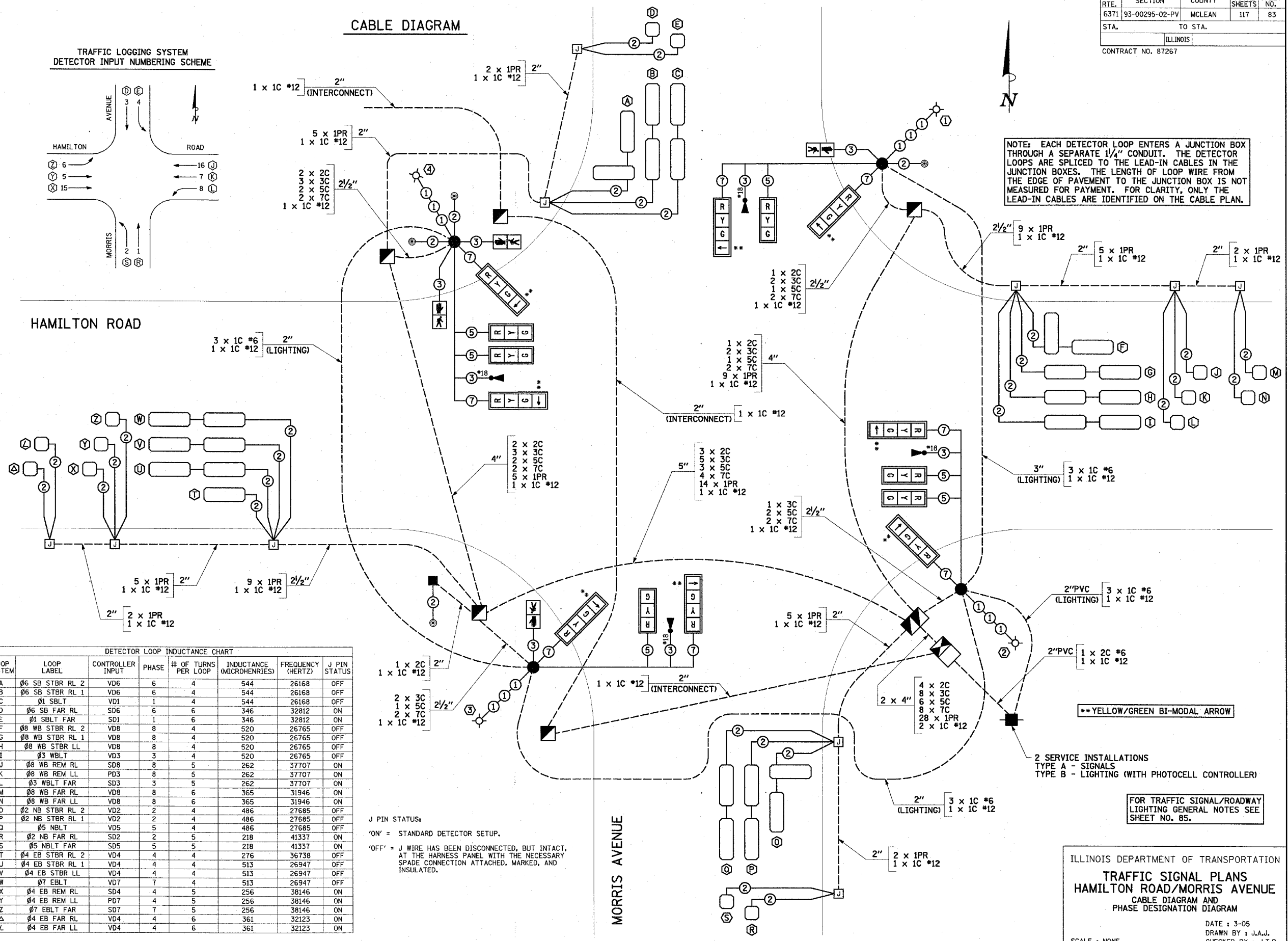
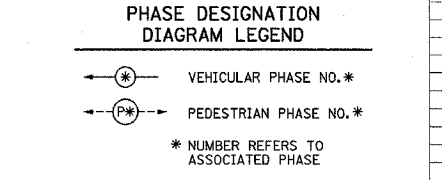
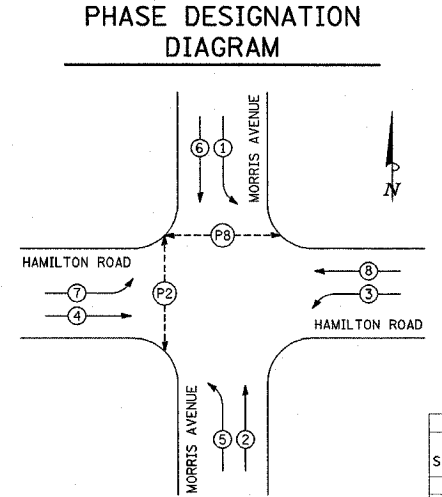


CABLE DIAGRAM



NOTE: EACH DETECTOR LOOP ENTERS A JUNCTION BOX THROUGH A SEPARATE 1/4" CONDUIT. THE DETECTOR LOOPS ARE SPLICED TO THE LEAD-IN CABLES IN THE JUNCTION BOXES. THE LENGTH OF LOOP WIRE FROM THE EDGE OF PAVEMENT TO THE JUNCTION BOX IS NOT MEASURED FOR PAYMENT. FOR CLARITY, ONLY THE LEAD-IN CABLES ARE IDENTIFIED ON THE CABLE PLAN.



DETECTOR LOOP INDUCTANCE CHART

LOOP SYSTEM	LOOP LABEL	CONTROLLER INPUT	PHASE	# OF TURNS PER LOOP	INDUCTANCE (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	Ø6 SB STBR RL 2	VD6	6	4	544	26168	OFF
B	Ø6 SB STBR RL 1	VD6	6	4	544	26168	OFF
C	Ø1 SBLT	VD1	1	4	544	26168	OFF
D	Ø6 SB FAR RL	SD6	6	6	346	32812	ON
E	Ø1 SBLT FAR	SD1	1	6	346	32812	ON
F	Ø8 WB STBR RL 2	VD8	8	4	520	26765	OFF
G	Ø8 WB STBR RL 1	VD8	8	4	520	26765	OFF
H	Ø8 WB STBR LL	VD8	8	4	520	26765	OFF
I	Ø3 WBLT	VD3	3	4	520	26765	OFF
J	Ø8 WB REM RL	SD8	8	5	262	37707	ON
K	Ø8 WB REM LL	PD3	8	5	262	37707	ON
L	Ø3 WBLT FAR	SD3	3	5	262	37707	ON
M	Ø8 WB FAR RL	VD8	8	6	365	31946	ON
N	Ø8 WB FAR LL	VD8	8	6	365	31946	ON
O	Ø2 NB STBR RL 2	VD2	2	4	486	27685	OFF
P	Ø2 NB STBR RL 1	VD2	2	4	486	27685	OFF
Q	Ø5 NBLT	VD5	5	4	486	27685	OFF
R	Ø2 NB FAR RL	SD2	2	5	218	41337	ON
S	Ø5 NBLT FAR	SD5	5	5	218	41337	ON
T	Ø4 EB STBR RL 2	VD4	4	4	276	36738	OFF
U	Ø4 EB STBR RL 1	VD4	4	4	513	26947	OFF
V	Ø4 EB STBR LL	VD4	4	4	513	26947	OFF
W	Ø7 EBLT	VD7	7	4	513	26947	OFF
X	Ø4 EB REM RL	SD4	4	5	256	38146	ON
Y	Ø4 EB REM LL	PD7	4	5	256	38146	ON
Z	Ø7 EBLT FAR	SD7	7	5	256	38146	ON
Δ	Ø4 EB FAR RL	VD4	4	6	361	32123	ON
L	Ø4 EB FAR LL	VD4	4	6	361	32123	ON

J PIN STATUS:
 'ON' = STANDARD DETECTOR SETUP.
 'OFF' = J WIRE HAS BEEN DISCONNECTED, BUT INTACT, AT THE HARNESS PANEL WITH THE NECESSARY SPADE CONNECTION ATTACHED, MARKED, AND INSULATED.

**YELLOW/GREEN BI-MODAL ARROW

2 SERVICE INSTALLATIONS
 TYPE A - SIGNALS
 TYPE B - LIGHTING (WITH PHOTOCELL CONTROLLER)

FOR TRAFFIC SIGNAL/ROADWAY LIGHTING GENERAL NOTES SEE SHEET NO. 85.

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLANS
HAMILTON ROAD/MORRIS AVENUE
 CABLE DIAGRAM AND
 PHASE DESIGNATION DIAGRAM

DATE: 3-05
 DRAWN BY: J.A.J.
 CHECKED BY: J.T.P.