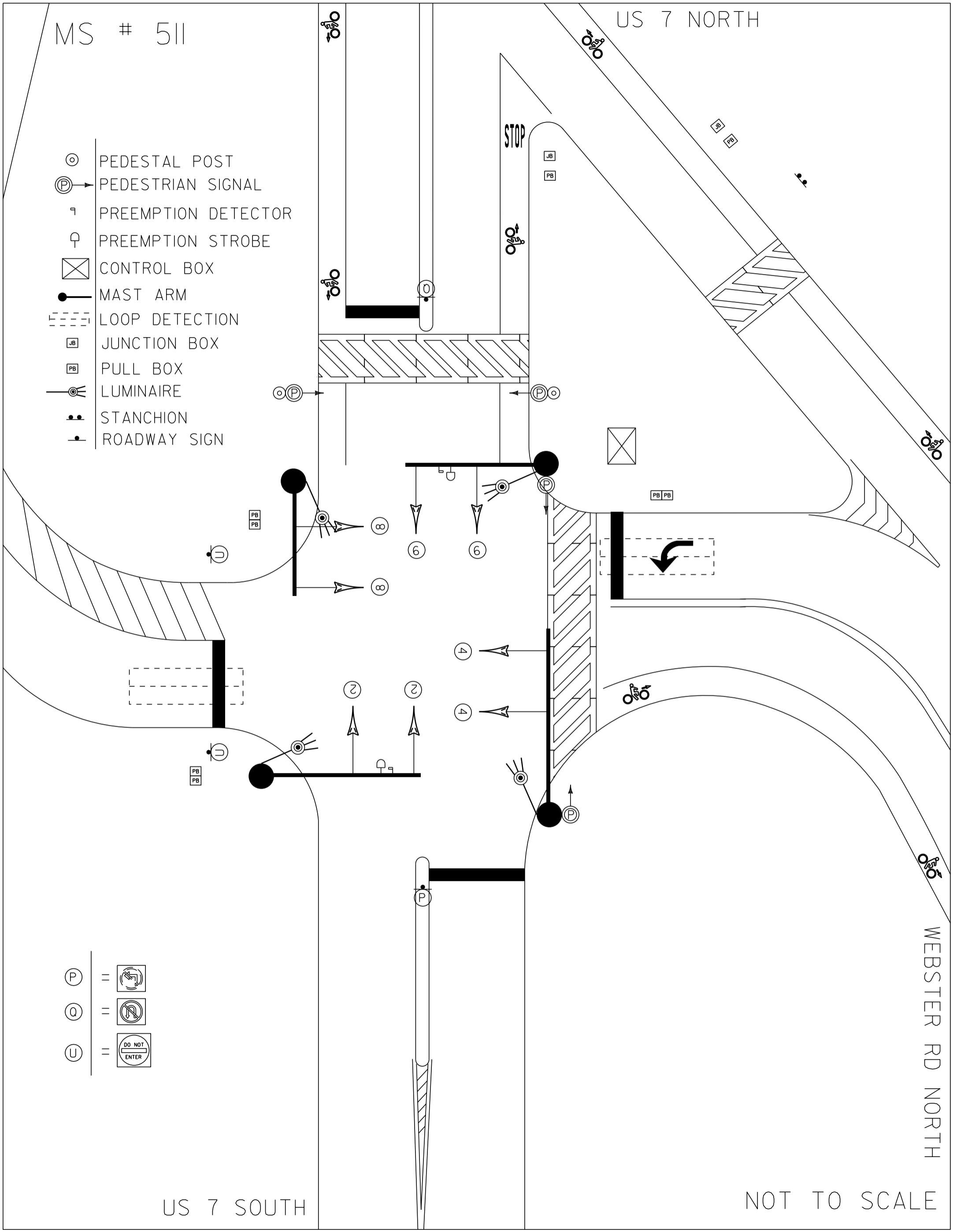


MS # 511

US 7 NORTH

- ⊙ PEDESTAL POST
- Ⓟ PEDESTRIAN SIGNAL
- ⌞ PREEMPTION DETECTOR
- ⌞ PREEMPTION STROBE
- ⊠ CONTROL BOX
- MAST ARM
- ⋯ LOOP DETECTION
- JB JUNCTION BOX
- PB PULL BOX
- ☉ LUMINAIRE
- ⌞ STANCHION
- ⌞ ROADWAY SIGN



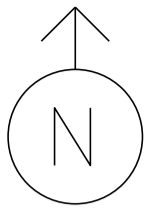
- Ⓟ =
- Ⓞ =
- Ⓢ =

US 7 SOUTH

NOT TO SCALE

WEBSTER RD NORTH

MS # 511



US 7 NORTH

6' 12' 12' 6'

STOP

STOP BAR 18'

CROSSWALK 44'

13'

6'

STOP BAR 15'

13'

CROSSWALK 55'

13'

15'

STOP BAR 18'

6'

STOP BAR 19'

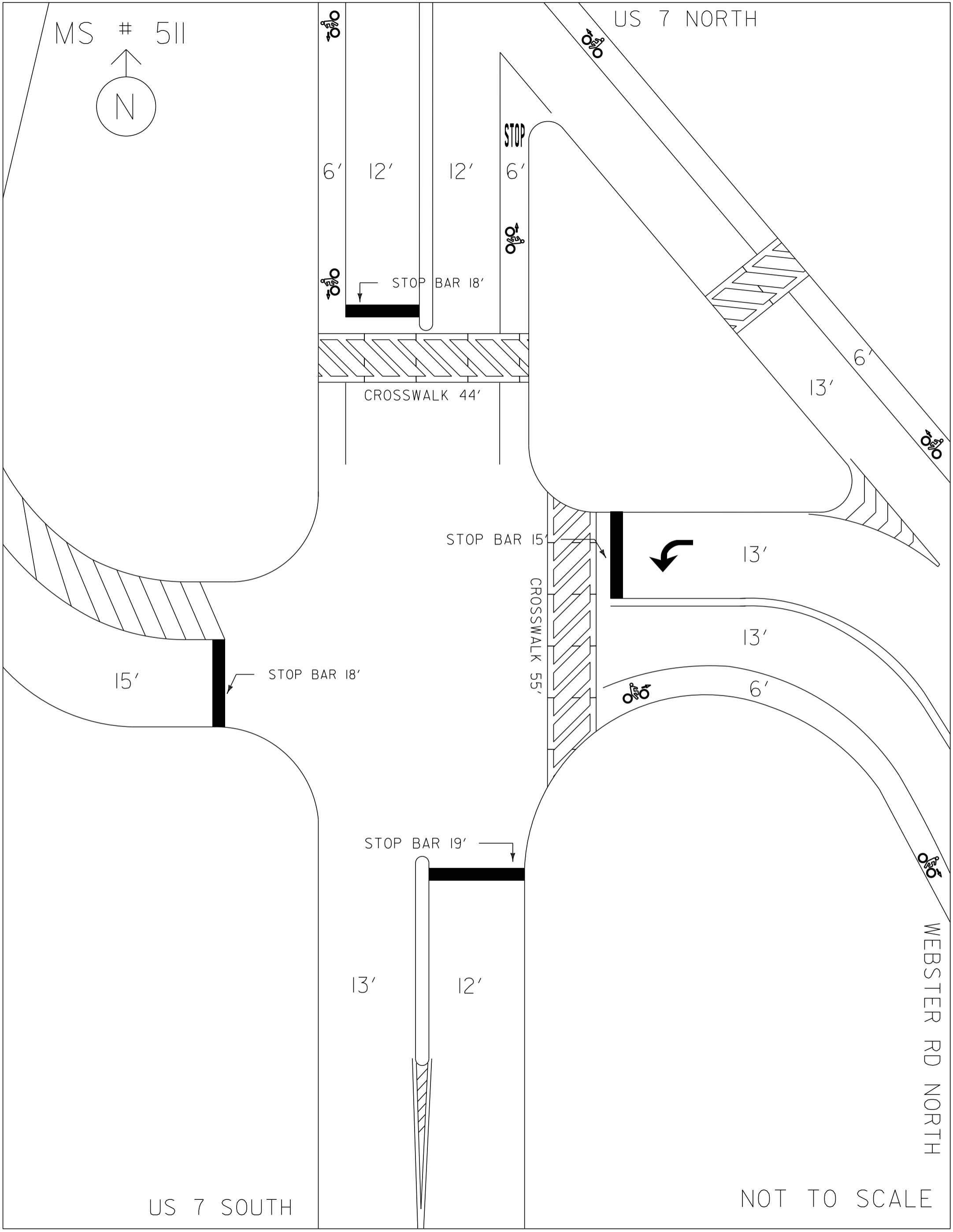
13'

12'

WEBSTER RD NORTH

US 7 SOUTH

NOT TO SCALE



<p style="writing-mode: vertical-rl; transform: rotate(180deg);">D I A G R A M</p> <p style="text-align: center;">N ↑</p>				
<p>TIMING</p>	<p>G = Y =</p>	<p>G = Y =</p>	<p>G = Y =</p>	<p>G = Y =</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">D I A G R A M</p>				
<p>TIMING</p>	<p>G = Y =</p>	<p>G = Y =</p>	<p>G = Y =</p>	<p>G = Y =</p>



CYCLE LENGTH, C= _____ S



PROPERTY OF :
VT. AGENCY OF TRANS.
MAINTENANCE DIV.
IN EMERGENCY CALL :
DIST. TRANS. OFFICE
655 - 1580 COLCHESTER
NIGHTS & WEEKENDS : 878-7111
INTERSECTION NO. MS-511

DANGER

115 VOLTS A.C.

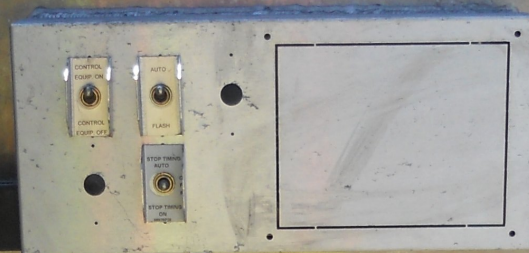
WARNING

DO NOT OPERATE
CABINET WITHOUT
CMU / MMU

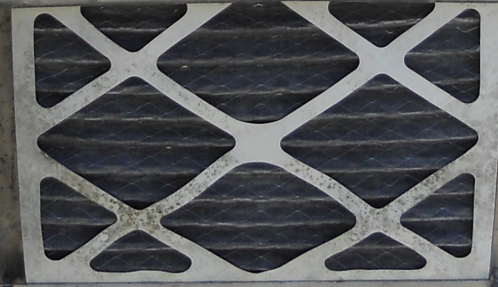
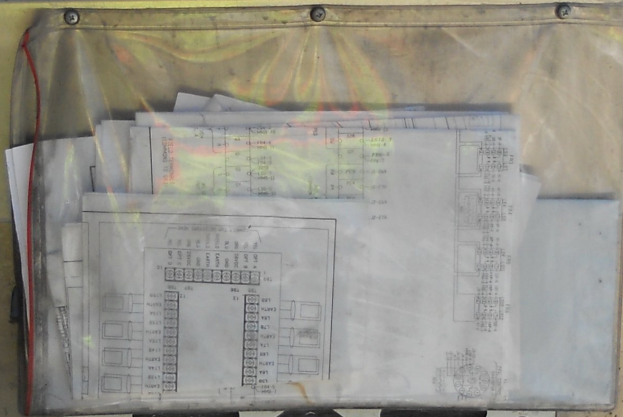
CONTROL EQUIP. ON
CONTROL EQUIP. OFF

AUTO
FLASH

STOP FLASHING
STOP FLASHING



SECONDLITE



WEBSTER RD



BUS INTERFACE UNIT

POWER ON
TRANSMIT
VALID DATA

PORT

LM 622t

SENS MODE FREQ
DET FLT

SENS MODE FREQ
DET FLT

ECONOLITE

DET SW MODULE
DET 1 DET 9
DET 2
DET 3
DET 4
DET 5
DET 6
DET 7
DET 8
DET 15
DET 16
ECONOLITE

PREEMPTOR EVP#3
PREEMPTOR EVP#5
DETECTOR SWITCHING MODULE

B. I. U. DETECTOR #1

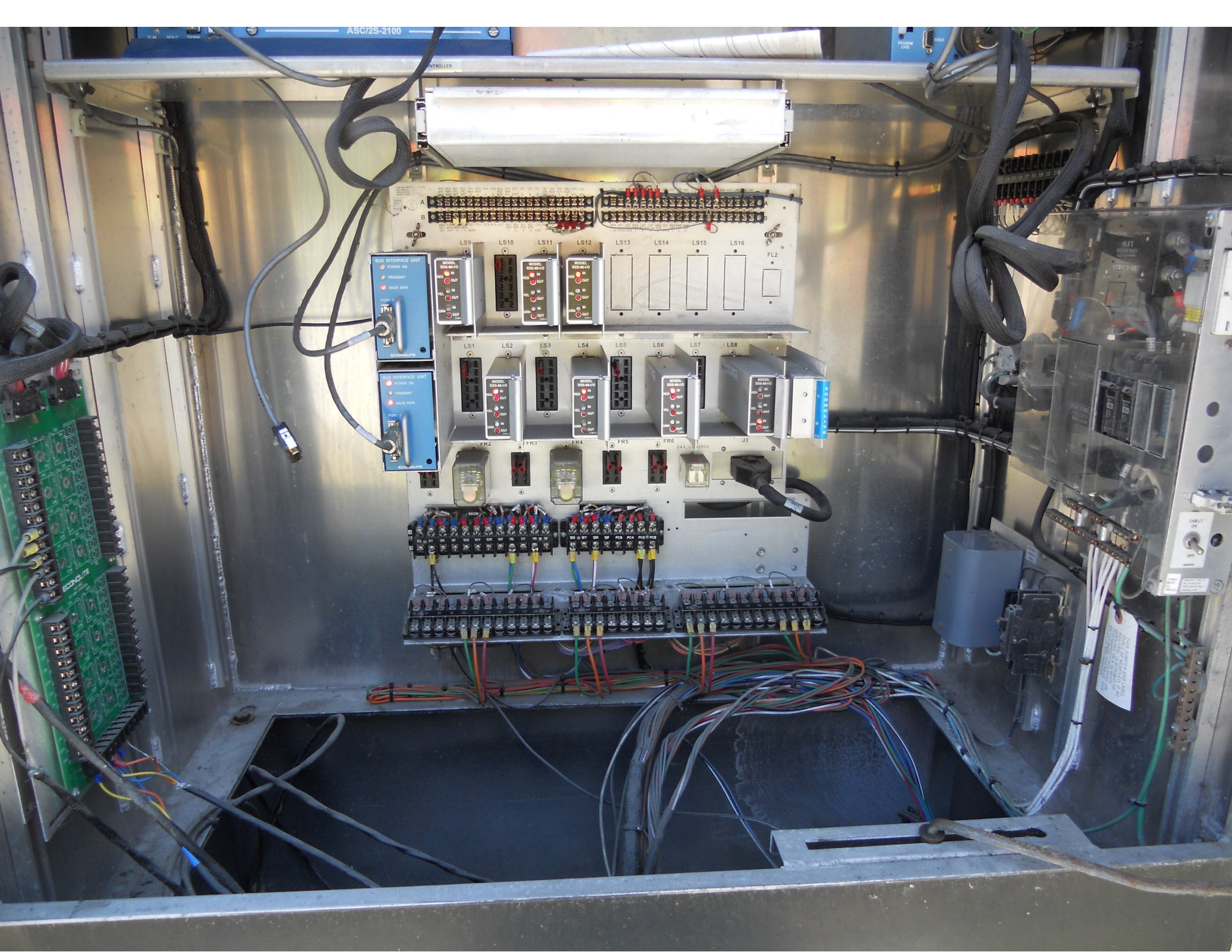
L3
L4
L1
L2
L7
L8
L5
L6
L11
L12
L9
L10
L15
L16
L13
L14

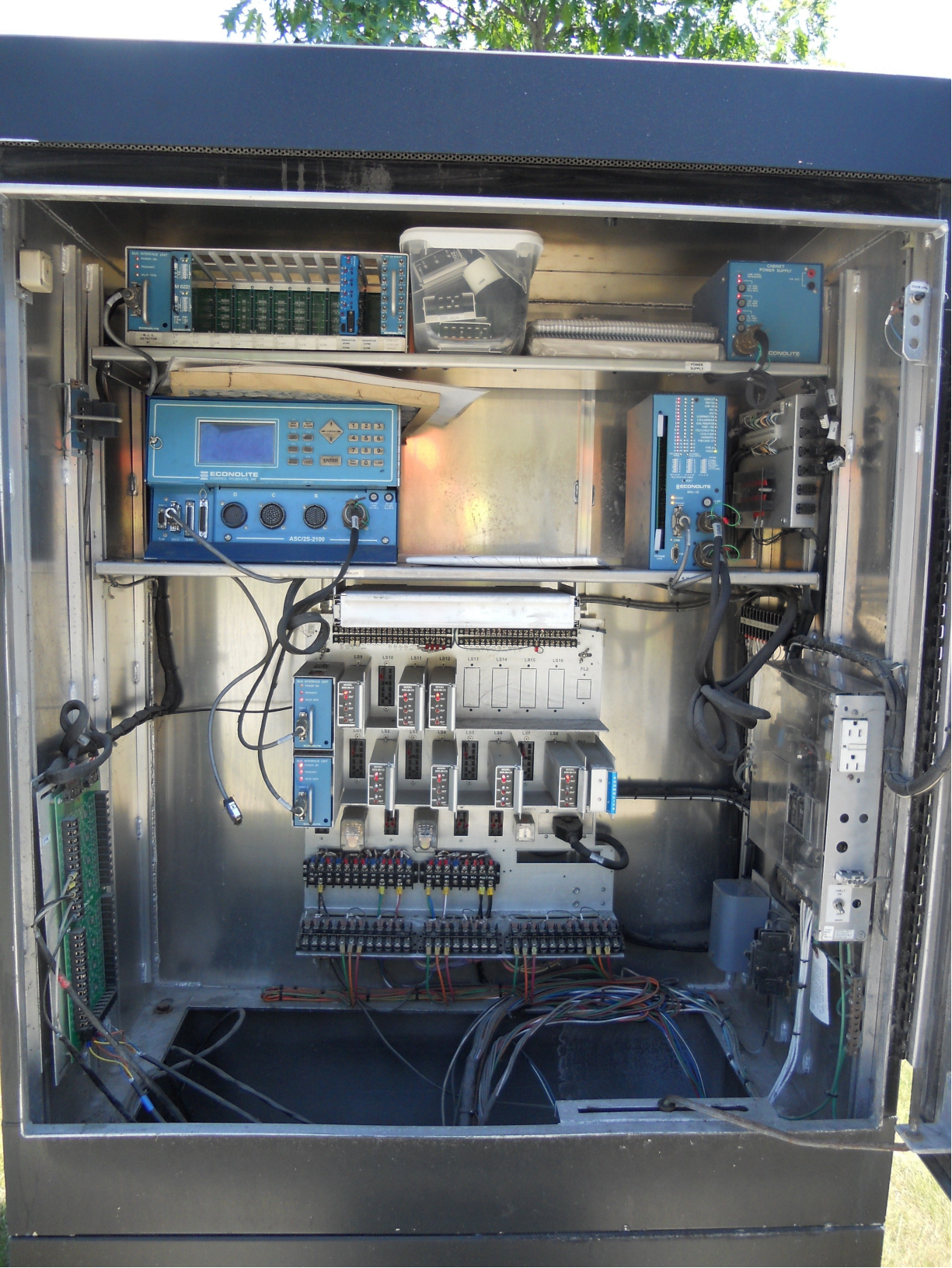
118730

F1 MAIN MENU
F2 NEXT SCREEN
F3 SUB MENU
F4 NEXT PARAM
F5 DISPLAY ADJUST
F6 NEXT PAGE

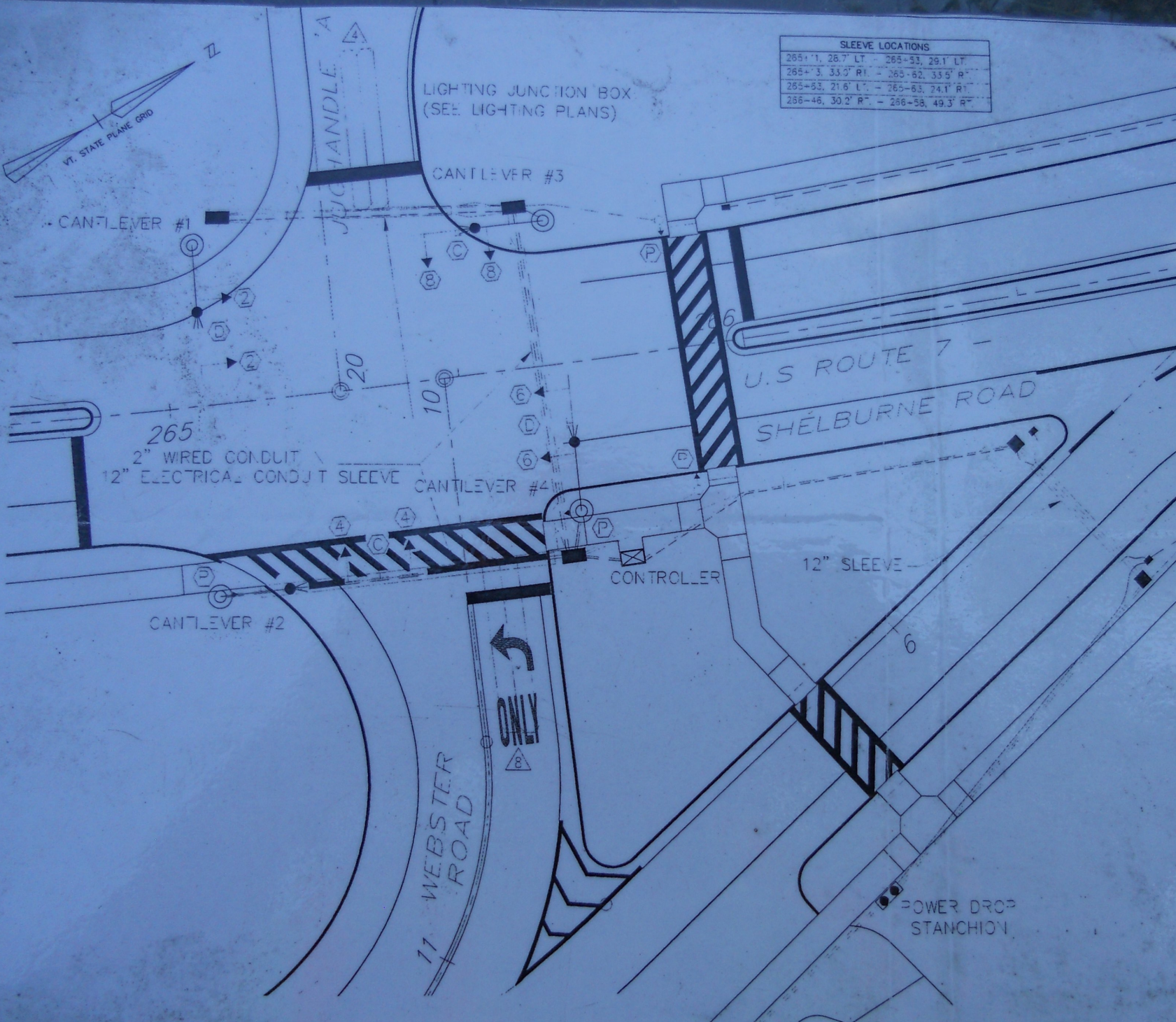
↑
← CURSOR →
↓

1 2 3
4 5 6
7 8 9





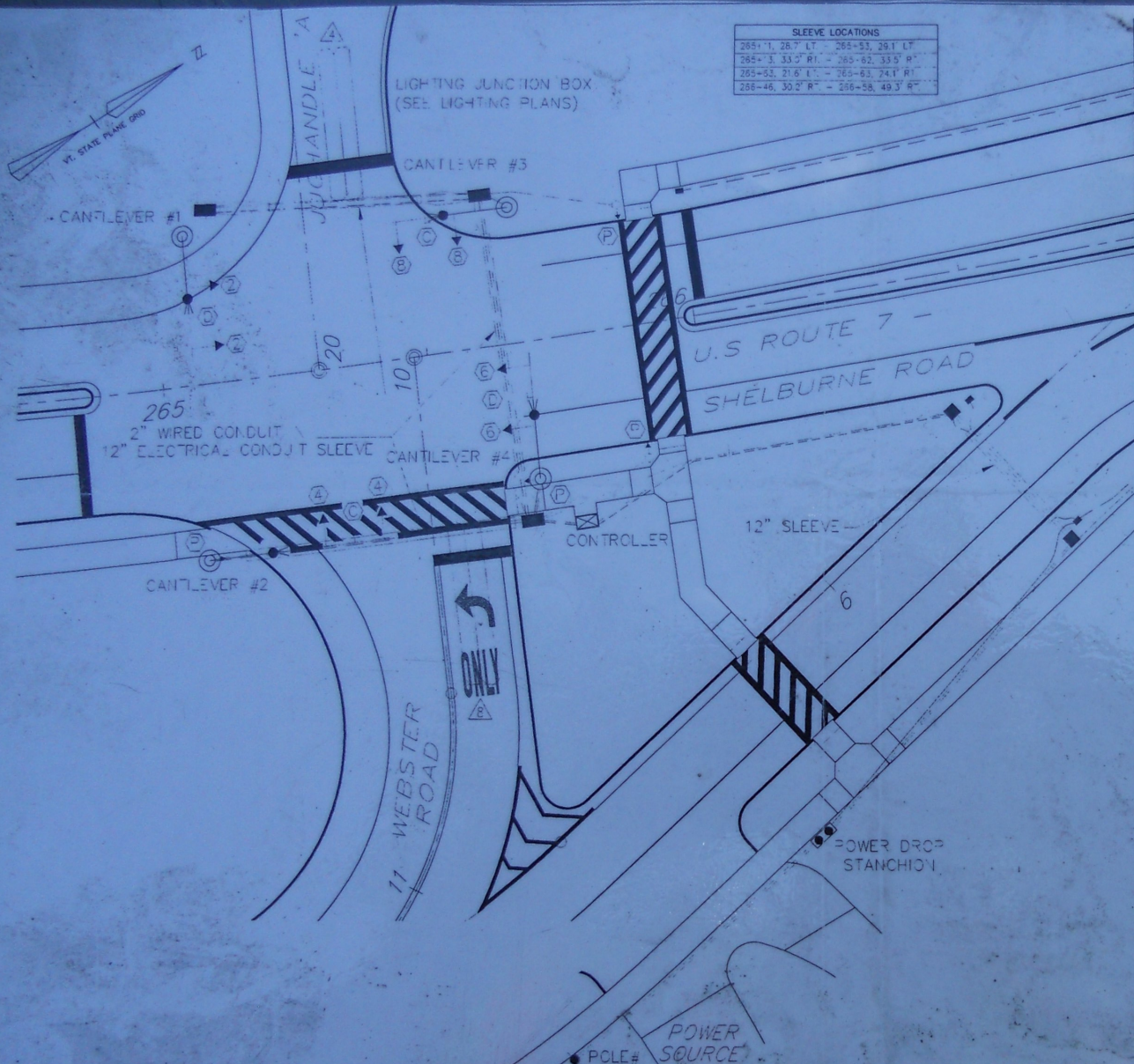
SLEEVE LOCATIONS	
265+1, 26.7' LT.	265-53, 29.1' LT.
265+3, 33.0' RT.	265-62, 33.5' RT.
265-63, 21.6' LT.	265-63, 24.1' RT.
266-46, 30.2' RT.	266-58, 49.3' RT.



FROM	TO	ITEM 678.2 (MOD.) INTERCONNECT CONDUIT
POWER SOURCE	STATION	
POWER SOURCE	STATION	
STANCHION	JH	
STANCHION	PB	
STANCHION	PB	
B-2	JH	
B-2	JH	
PB-2	PB	35
PB-2	PB	
PB-2	PB	
PB-1	CONTROLLER	
PB-1	CONTROLLER	70
PB-1	PB S-1	
PB S-1	CONTROLLER	
PB S-1	CONTROLLER	
LOOP #8	PB S-1	
CANTILEVER #2	PB	
CANTILEVER #2	PB	
CANTILEVER #2	PB	
PED POLE	PB	
CANTILEVER #4	PB	
CANTILEVER #4	PB	
CANTILEVER #4	PB	
PB S-1	PB	
PB S-1	PB	
PB S-1	PB	
PB S-1	PB	
CANTILEVER #3	PB	
CANTILEVER #3	PB	
PED POLE	PB	
LOOP #4	PB	
PB S-2A	PB	
PB S-2A	PB	
PB S-2A	PB	
PB S-2A	PB	
CANTILEVER #1	PB S-2A	
CANTILEVER #1	PB S-2A	
CANTILEVER #1	PB S-2A	
TOTAL		

- INTERCONNECT ITEM
- ITEM 678.25 - PULL
- 5+62, 7' RT. (I-1)
- 5+62, 23' LT. (I-2)
- LIGHTING ITEMS
- ITEM 678.26 - JUNCTION
- 5+58, 7' RT. (L-1)
- 5+59, 22' LT. (L-2)





SLEEVE LOCATIONS	
265+11, 26.7" LT.	= 265+53, 29.1" LT.
265+33, 33.0" RT.	= 265+82, 33.5" RT.
265+83, 21.6" LT.	= 265+83, 24.1" RT.
266+46, 30.2" RT.	= 266+28, 49.3" RT.

FROM	TO	ITEM 678.20 (MOD.) INTERCONNECT CONDUIT 3"	ITEM 678.21 ELECTRICAL CONDUIT 2"	ITEM 678.23 W/RED CONDUIT 2" 2 1/2"	ITEM 678.30 ELECTRICAL CONDUIT SLEEVE 8" 12"	DESCRIPTION
POWER SOURCE	STATION			55		SHELburne LIGHTING
POWER SOURCE	STATION			55		SIGNAL VAC LIGHTING - POWER
STATION	PB L-2			55		SHELburne LIGHTING
STATION	PB L-2			55		VAC LIGHTING - POWER
PB L-2	PB L-1			55		SHELburne LIGHTING
PB L-2	PB L-1			55		SIGNAL
PB L-2	PB L-1			55		VAC LIGHTING - POWER
PB L-2	PB L-1			55		SIGNAL
PB L-1	CONTROLLER			70		INTERCONNECT
PB L-1	CONTROLLER			70		SIGNAL
PB L-1	PB S-1			82		INTERCONNECT
PB L-1	PB S-1			82		SIGNAL
PB S-1	CONTROLLER			8		VAC LIGHTING - POWER
PB S-1	CONTROLLER			8		SIGNAL
LOOP #4	PB S-1			6		LOOP #4, #5 PRE-EMPTION
CANTILEVER #2	PB S-1			7		LOOP #5
CANTILEVER #2	PB S-1			7		SIGNAL
CANTILEVER #2	PB S-1			7		SIGNAL
PED POLE	PB S-1			7		VAC LIGHTING
CANTILEVER #4	PB S-1			8		SIGNAL
CANTILEVER #4	PB S-1			8		SIGNAL
CANTILEVER #4	PB S-1			8		VAC LIGHTING
CANTILEVER #4	PB S-1			8		PRE-EMPTION
PB S-1	PB S-2			93		SIGNAL
PB S-1	PB S-2			93		SIGNAL
PB S-1	PB S-2			93		VAC LIGHTING
PB S-1	PB S-2			93		LOOP #4 / PRE-EMPTION
CANTILEVER #3	PB S-2			16		SIGNAL
CANTILEVER #3	PB S-2			16		VAC LIGHTING
PED POLE	PB S-2			16		SIGNAL
LOOP #4	PB S-2			1		LOOP #4
PB S-2A	PB S-2			66		SIGNAL
PB S-2A	PB S-2			66		SIGNAL
PB S-2A	PB S-2			66		VAC LIGHTING
PB S-2A	PB S-2			66		PRE-EMPTION
CANTILEVER #1	PB S-2A			15		SIGNAL
CANTILEVER #1	PB S-2A			15		VAC LIGHTING
CANTILEVER #1	PB S-2A			15		PRE-EMPTION
TOTAL		103	97	90	100	

INTERCONNECT ITEMS

ITEM 678.25 - PULL BOX - STANDARD

- 5+62, 7' RT. (I-1)
- 5+62, 23' LT. (I-2)

LIGHTING ITEMS

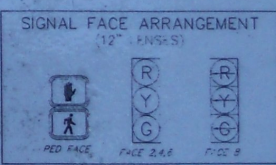
ITEM 678.26 - JUNCTION BOX

- 5+58, 7' RT. (L-1)
- 5+59, 22' LT. (L-2)

SIGNAL ITEMS

ITEM 678.27 - PULL BOX - DOUBLE

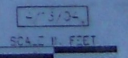
- 265+63, 28' LT. (S-2)
- 265+65, 32' RT. (S-1)
- 265+10, 33' LT. (S-2A)



LEGEND

- NEW SIGNAL FACE
- NEW SIGNAL POLE & SPAN WIRE
- NEW MAST ARM
- NEW PULL BOX
- NEW JUNCTION BOX
- NEW POWER STATION
- NEW SIGNAL CONDUIT
- - - NEW INTERCONNECT CONDUIT
- NEW POWER POLE

NOTE:
SEE SIGNAL DRAWING NOS. 1 & 2 FOR TRAFFIC SIGN & GENERAL NOTES AND LIST OF MAJOR EQUIPMENT.



SHELBURNE

DESIGNED BY	W.B.C. INC. DATE
DRAWN BY	E.S.A. INC. DATE
CHECKED BY	E.S.A. INC. DATE

PROJECT: 14-000-019-4(27)
SIGNAL DRAWING NO. 3
SHEET NO. 27 OF 517

INTERSECTION NO. MS-511 (US 7 - WEBSTER ROAD NORTH)



DO NOT BREAK SEAL
NO FUSES INSIDE

ELSTER
K I L O W A T T H O U R S
S I N G L E P H A S E W A T T H O U R M E T E R
TYPE AB1R S1 76320LCSAA
FORM 25 200 Cl. 240 V 3 W 50 Hz TA 30 Kh 7.2
G. M. P.
714 327
MADE IN U.S.A.
#AC023217947
23 217 947





TO
SOUTH

7



TO
NORTH

7



WELLS

WELLS



ONE WAY





SHELBURNE RD

ONLY

NO LEFT TURN

NO LEFT TURN

WARNING



SHELburne RD

DO NOT ENTER

DO NOT ENTER

WALKING

SHELBURNE RD

















WEBSTER RD



WEBSTER RD





WEBSTER RD









SHELBURNE

WESTER

BIKE
LANE
ENDS



WEBSTER RD

SHELBURNE RD

STOP

STOP

SHELBURNE RD



SHELBURNE RD

LEGAL LOAD
LIMIT
24,000
POUNDS





11/11/17 300V
480V/60A
11/11/17 300V/70A

13.00" / 32.0'

48KSI / 5 GA

11.00" / 35.0" / 7 GA





WELBURN RD

WEBSTER RD





WEBSTER RD











WEBSTER RD



SOUTH
7



12.00" / 32.0"
55 KSI / 7 GA
8.00" / 35.0" / 7 GA

Coordination Patterns

Pattern 1
Cycle Length . . . 100 COS 111
Offset 0
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 0 2- 62 3- 0 4- 16
Phase 5- 0 6- 62 7- 0 8- 22
Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0
Split Extension/Ring [1] 0 [2] 0
Split Demand Pattern [1] 0 [2] 0
XRT Pattern. . . 0
Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12
Coord Phases . . . X . . . X
Veh Recall
Veh Max Recall . . X . . . X
Ped Recall
Veh Omit
Alt Sequence . . A: . B: . C: . D: . E: . F: .

Pattern 2
Cycle Length . . . 80 COS 211
Offset 0
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 0 2- 44 3- 0 4- 14
Phase 5- 0 6- 44 7- 0 8- 22
Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0
Split Extension/Ring [1] 0 [2] 0
Split Demand Pattern [1] 0 [2] 0
XRT Pattern. . . 0
Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12
Coord Phases . . . X . . . X
Veh Recall
Veh Max Recall . . X . . . X
Ped Recall
Veh Omit
Alt Sequence . . A: . B: . C: . D: . E: . F: .

Pattern 3
Cycle Length . . . 100 COS 311
Offset 0
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 0 2- 64 3- 0 4- 14
Phase 5- 0 6- 64 7- 0 8- 22
Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0
Split Extension/Ring [1] 0 [2] 0
Split Demand Pattern [1] 0 [2] 0
XRT Pattern. . . 0
Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12
Coord Phases . . . X . . . X
Veh Recall
Veh Max Recall . . X . . . X
Ped Recall
Veh Omit
Alt Sequence . . A: . B: . C: . D: . E: . F: .

NIC Program Steps

Step	Program	Step Begins	Pattern	Override
1	1	0600	1	NO
2	1	0800	2	NO
3	1	1600	3	NO
4	1	1800	2	NO
5	2	0600	2	NO
6	2	1130	3	NO
7	2	1600	2	NO

TOD Program Steps

Step 1 Program 1 Step Begins 0600

Flash. Dimming Enable.
Red Rest Alt Veh Extension
Spare 5. Det Log Enable.
Spare 3. Spare 4
Type 0 Dly Enable. . . Spare 2
Det Diag Plan. . . . 0

Table with 12 columns for Phase Number (1-12) and rows for Max 2 Enable, Max 3 Enable, Veh Recall, Veh Max Recall, Ped Recall, Cond Service Inhibit, Phase Omit, and Special Function.

Alt Sequence A B C D E F

Step 2 Program 1 Step Begins 0800

Flash. Dimming Enable.
Red Rest Alt Veh Extension
Spare 5. Det Log Enable.
Spare 3. Spare 4
Type 0 Dly Enable. . . Spare 2
Det Diag Plan. . . . 0

Table with 12 columns for Phase Number (1-12) and rows for Max 2 Enable, Max 3 Enable, Veh Recall, Veh Max Recall, Ped Recall, Cond Service Inhibit, Phase Omit, and Special Function. Includes 'X' marks in phase 2, 4, 6, and 8 for Max 2 Enable.

Alt Sequence A B C D E F

TOD Program Steps

 Step 3 Program 1 Step Begins 1600

Flash. Dimming Enable.
 Red Rest Alt Veh Extension
 Spare 5. Det Log Enable.
 Spare 3. Spare 4
 Type 0 Dly Enable. . . Spare 2
 Det Diag Plan. . . . 0

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable
Max 3 Enable	X	.	X	.	X	.	X	.	.	.	.
Veh Recall
Veh Max Recall
Ped Recall
Cond Service Inhibit.
Phase Omit
Special Function

Alt Sequence A B C D E F

Step 4 Program 1 Step Begins 1800

Flash. Dimming Enable.
 Red Rest Alt Veh Extension
 Spare 5. Det Log Enable.
 Spare 3. Spare 4
 Type 0 Dly Enable. . . Spare 2
 Det Diag Plan. . . . 0

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable	X	.	X	.	X	.	X	.	.	.	.
Max 3 Enable
Veh Recall
Veh Max Recall
Ped Recall
Cond Service Inhibit.
Phase Omit
Special Function

Alt Sequence A B C D E F

TOD Program Steps

Step 5 Program 2 Step Begins 0600

Flash. Dimming Enable.
Red Rest Alt Veh Extension
Spare 5. Det Log Enable.
Spare 3. Spare 4
Type 0 Dly Enable. . . Spare 2
Det Diag Plan. . . . 0

Table with 12 columns for Phase Number (1-12) and rows for Max 2 Enable, Max 3 Enable, Veh Recall, Veh Max Recall, Ped Recall, Cond Service Inhibit, Phase Omit, and Special Function.

Alt Sequence A B C D E F

Step 6 Program 2 Step Begins 1130

Flash. Dimming Enable.
Red Rest Alt Veh Extension
Spare 5. Det Log Enable.
Spare 3. Spare 4
Type 0 Dly Enable. . . Spare 2
Det Diag Plan. . . . 0

Table with 12 columns for Phase Number (1-12) and rows for Max 2 Enable, Max 3 Enable, Veh Recall, Veh Max Recall, Ped Recall, Cond Service Inhibit, Phase Omit, and Special Function.

Alt Sequence A B C D E F

TOD Program Steps

Step 7 Program 2 Step Begins 1600

Flash. Dimming Enable.
Red Rest Alt Veh Extension
Spare 5. Det Log Enable.
Spare 3. Spare 4
Type 0 Dly Enable. . . Spare 2
Det Diag Plan. . . . 0

Table with 12 columns for Phase Number (1-12) and rows for Max 2 Enable, Max 3 Enable, Veh Recall, Veh Max Recall, Ped Recall, Cond Service Inhibit, Phase Omit, and Special Function.

Alt Sequence A B C D E F

Step 9 Program 1 Step Begins 0000

Flash. Dimming Enable.
Red Rest Alt Veh Extension
Spare 5. Det Log Enable.
Spare 3. Spare 4
Type 0 Dly Enable. . . Spare 2
Det Diag Plan. . . . 0

Table with 12 columns for Phase Number (1-12) and rows for Max 2 Enable, Max 3 Enable, Veh Recall, Veh Max Recall, Ped Recall, Cond Service Inhibit, Phase Omit, and Special Function.

Alt Sequence A B C D E F

TOD Program Steps

Step 10 Program 2 Step Begins 0000

Flash.	X	Dimming Enable. . . . .	.
Red Rest . . . . .	.	Alt Veh Extension . . . . .	.
Spare 5. . . . .	.	Det Log Enable. . . . .	.
Spare 3. . . . .	.	Spare 4 . . . . .	.
Type 0 Dly Enable. . . . .	.	Spare 2 . . . . .	.
Det Diag Plan.	0		

Phase Number

	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

A B C D E F

Alt Sequence
