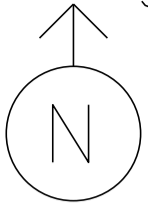
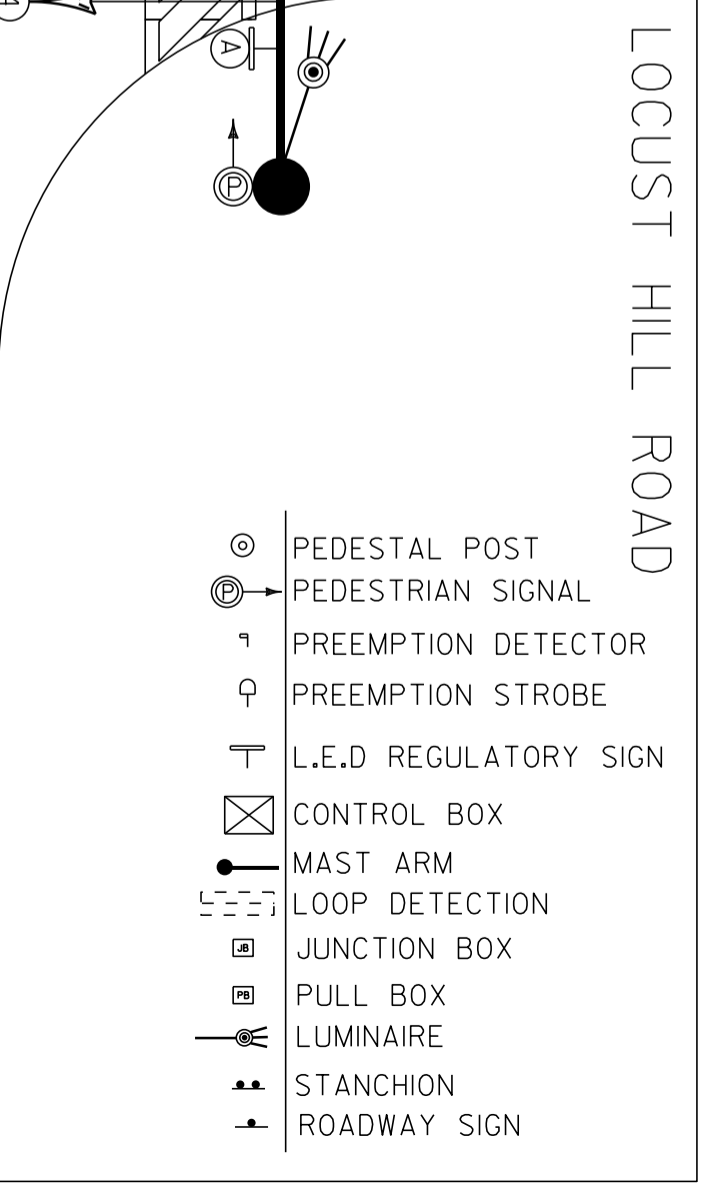
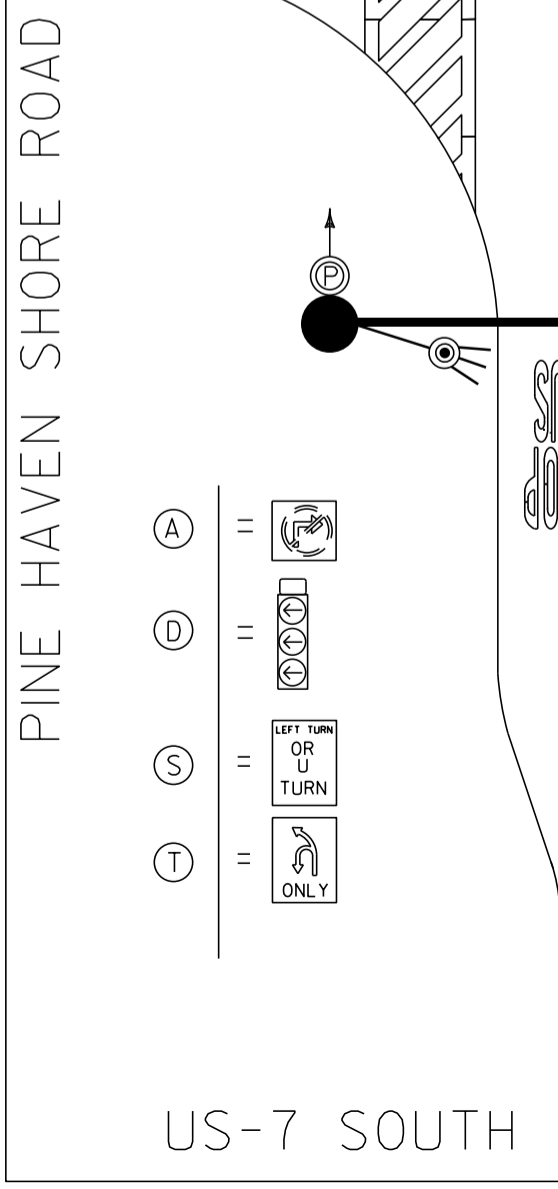
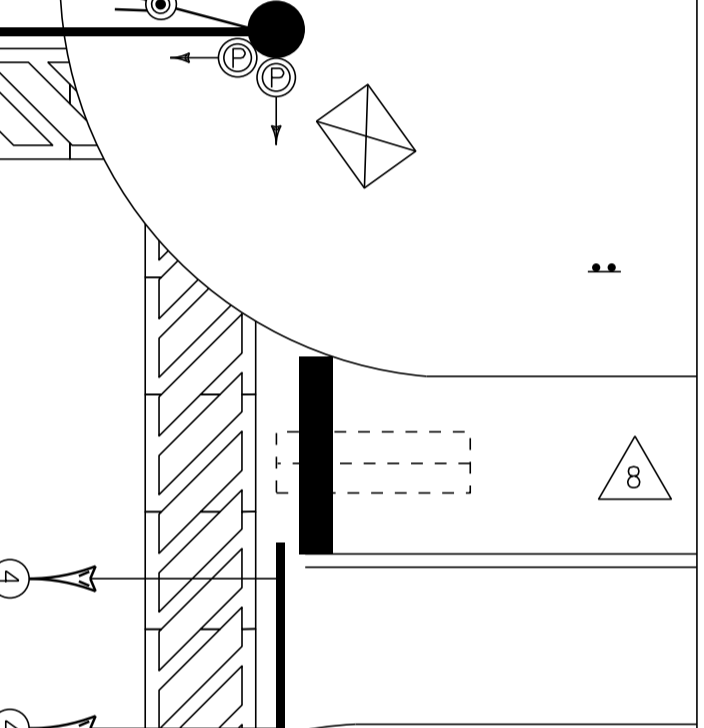
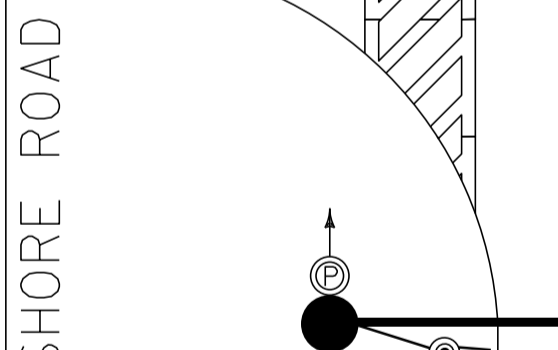
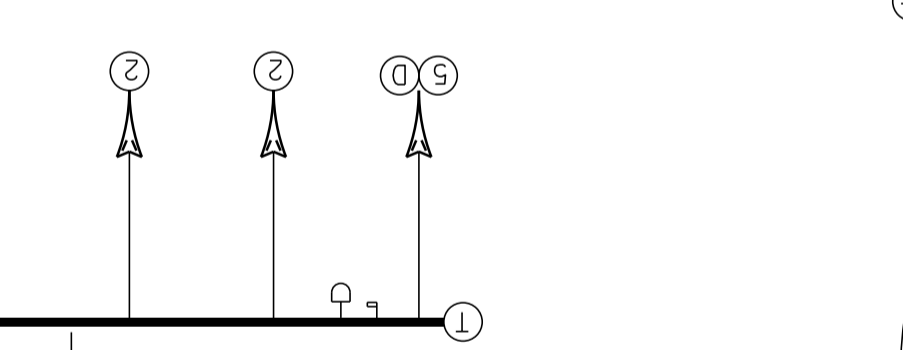
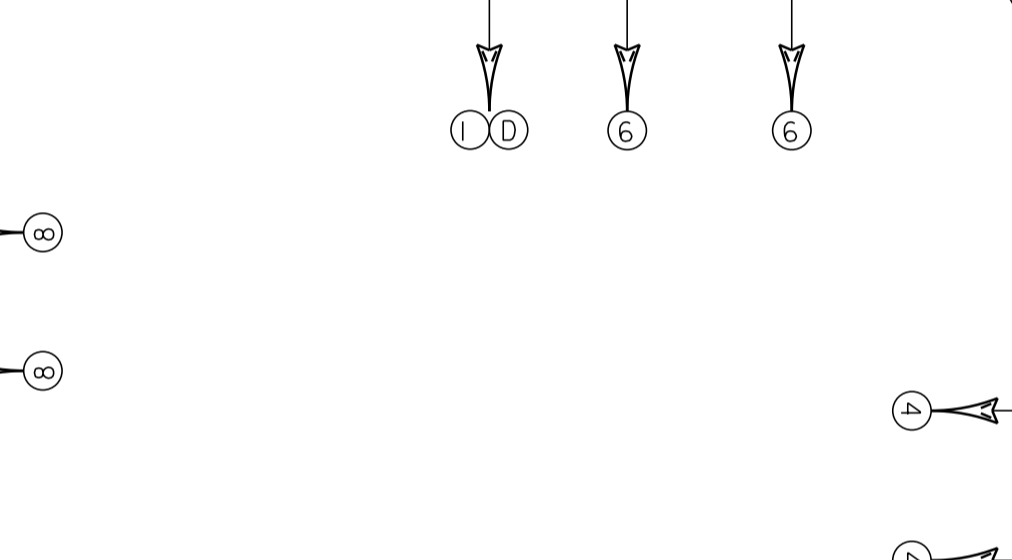
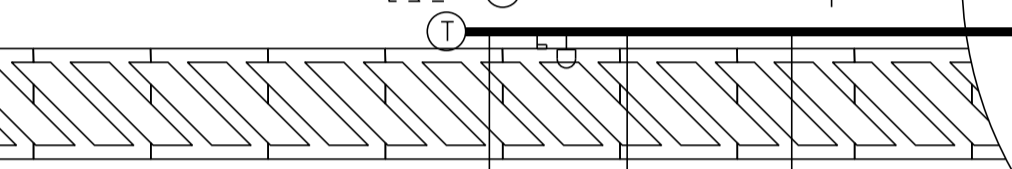
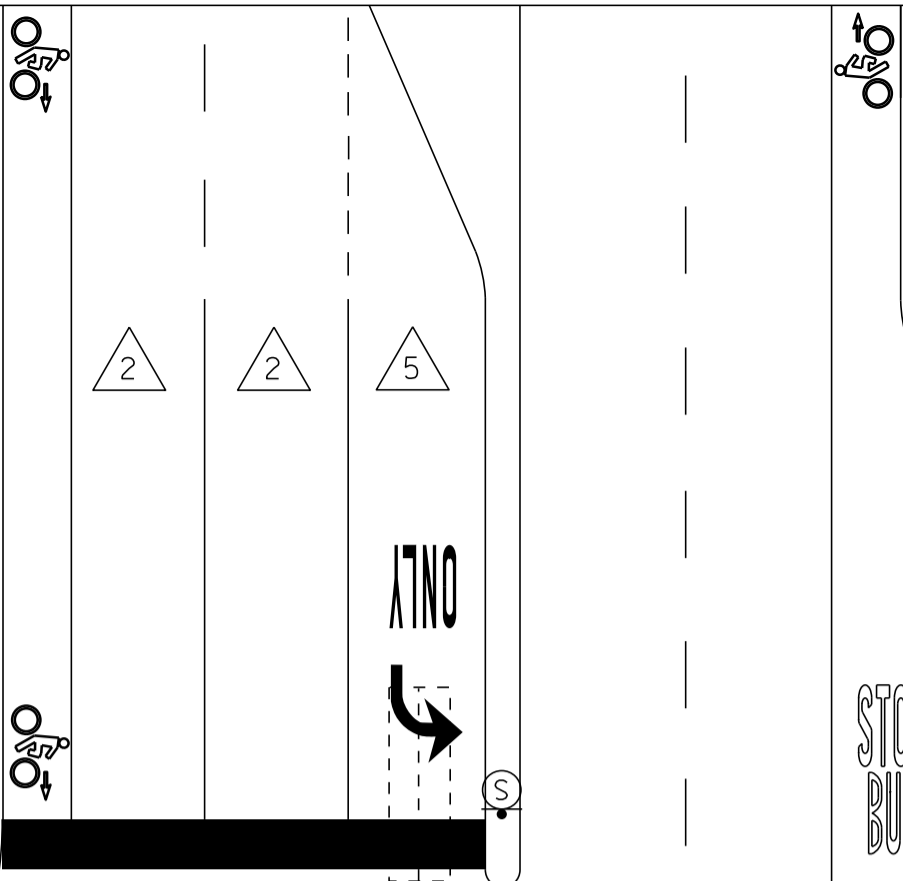


MS # 509



US-7 NORTH



- (A) =
- (D) =
- (S) =
- (T) =

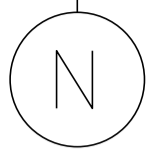
- ⊙ PEDESTAL POST
- Ⓟ PEDESTRIAN SIGNAL
- ¶ PREEMPTION DETECTOR
- ♀ PREEMPTION STROBE
- ⊥ L.E.D REGULATORY SIGN
- ⊠ CONTROL BOX
- MAST ARM
- - - LOOP DETECTION
- Ⓜ JUNCTION BOX
- Ⓟ PULL BOX
- ☉ LUMINAIRE
- ⋯ STANCHION
- ⊥ ROADWAY SIGN

PINE HAVEN SHORE ROAD

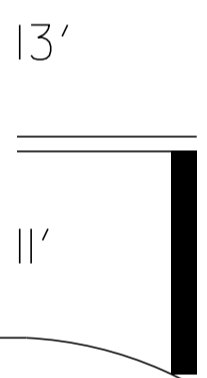
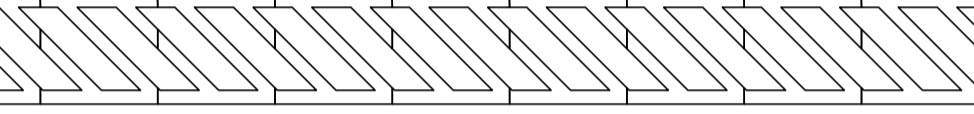
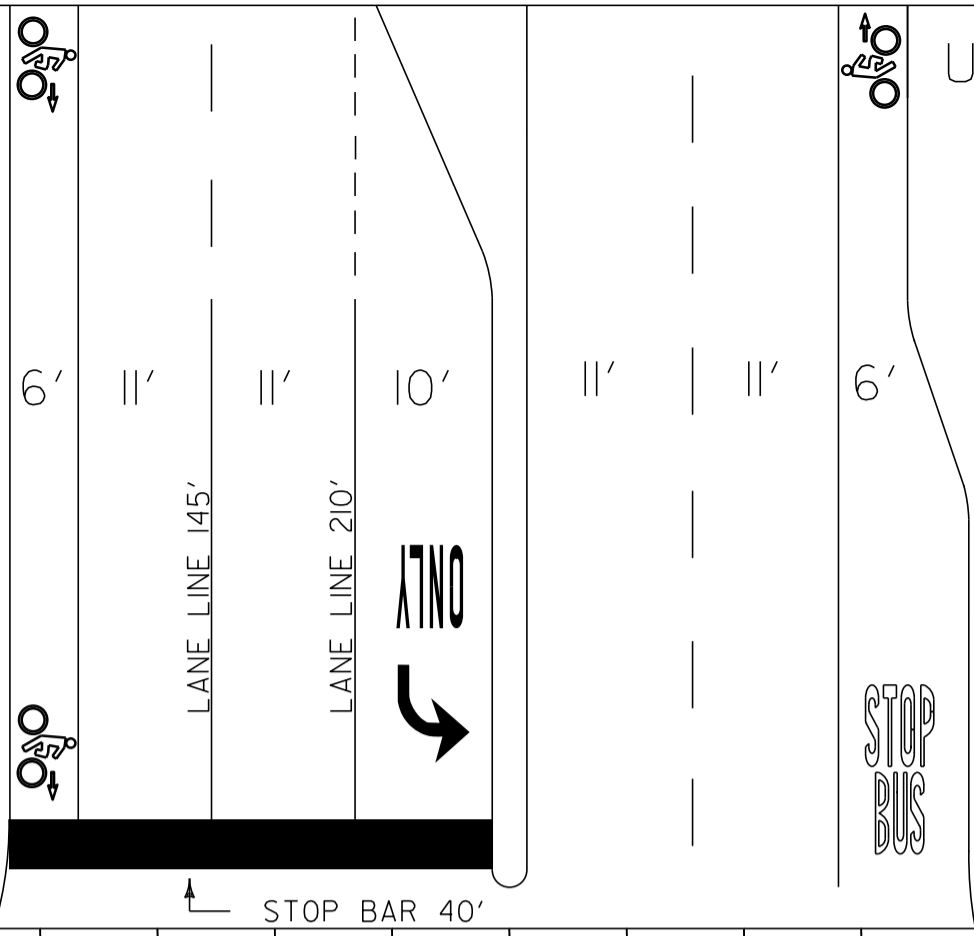
LOCUST HILL ROAD

US-7 SOUTH

MS # 509



US-7 NORTH



CROSSWALK 63'

STOP BAR 19'

STOP BAR 14'

CROSSWALK 54'

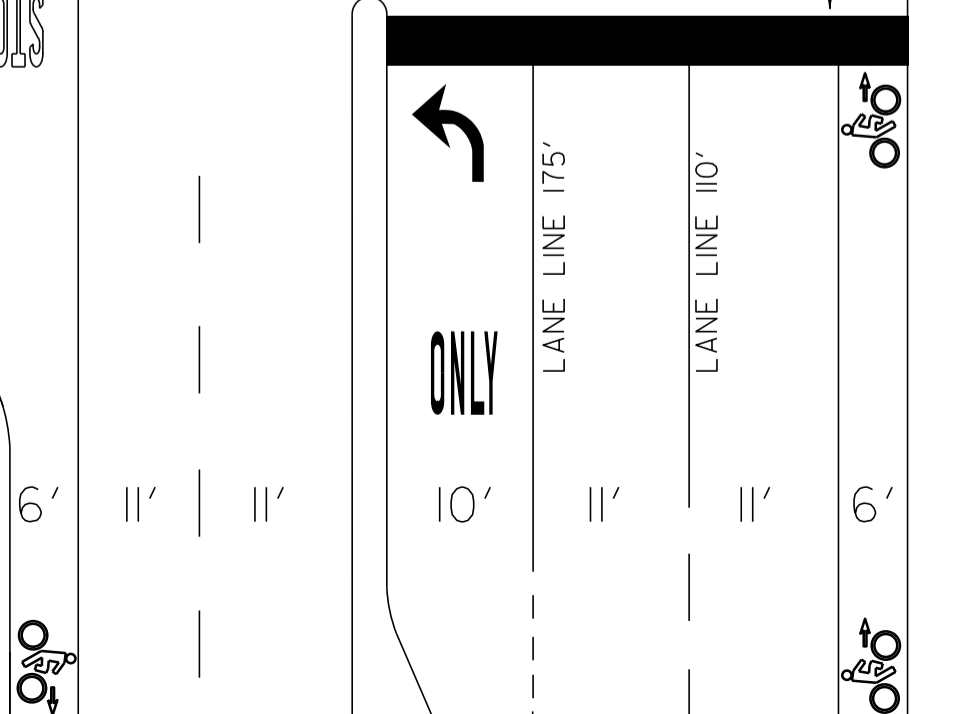
12'

12'

PINE HAVEN SHORE ROAD

STOP BUS

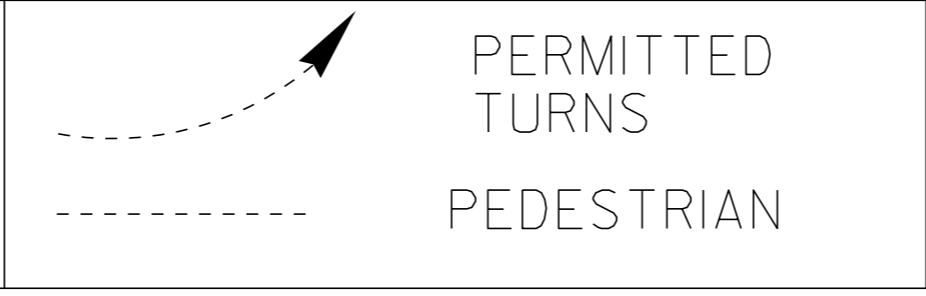
STOP BAR 40'



US-7 SOUTH

LOCUST HILL ROAD

<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 - 1530 COLCHESTER
NIGHTS & WEEKENDS : 373-7111
INTERSECTION NO. MS-509



OR
Car
Adva
c21-adva
02.86

BUS INTERFACE UNIT

- POWER ON
- TRANSMIT
- VALID DATA

PORT SDCI

LM 622t **LM 622t**

ECONOLITE **ECONOLITE**

DET SW MODULE

DET 1 DET 2 DET 3 DET 4 DET 5 DET 6 DET 7 DET 8 DET 9 DET 10 DET 11 DET 12 DET 13 DET 14 DET 15 DET 16

PREEMPTOR EVPH3 EVPH4 EVPH5 EVPH6

DETECTOR SWITCH MODULE

B. I. U. DETECTOR #1

L3 5 L4 8 L1 1 L2 4 L7 10 L6 12 L11 L12 L9 10 L15 L16 L13 L14

PREEMPTOR EVPH3 EVPH4 EVPH5 EVPH6

DETECTOR SWITCH MODULE

CONFLIC MM 7/7

LOG 8/6/1/3

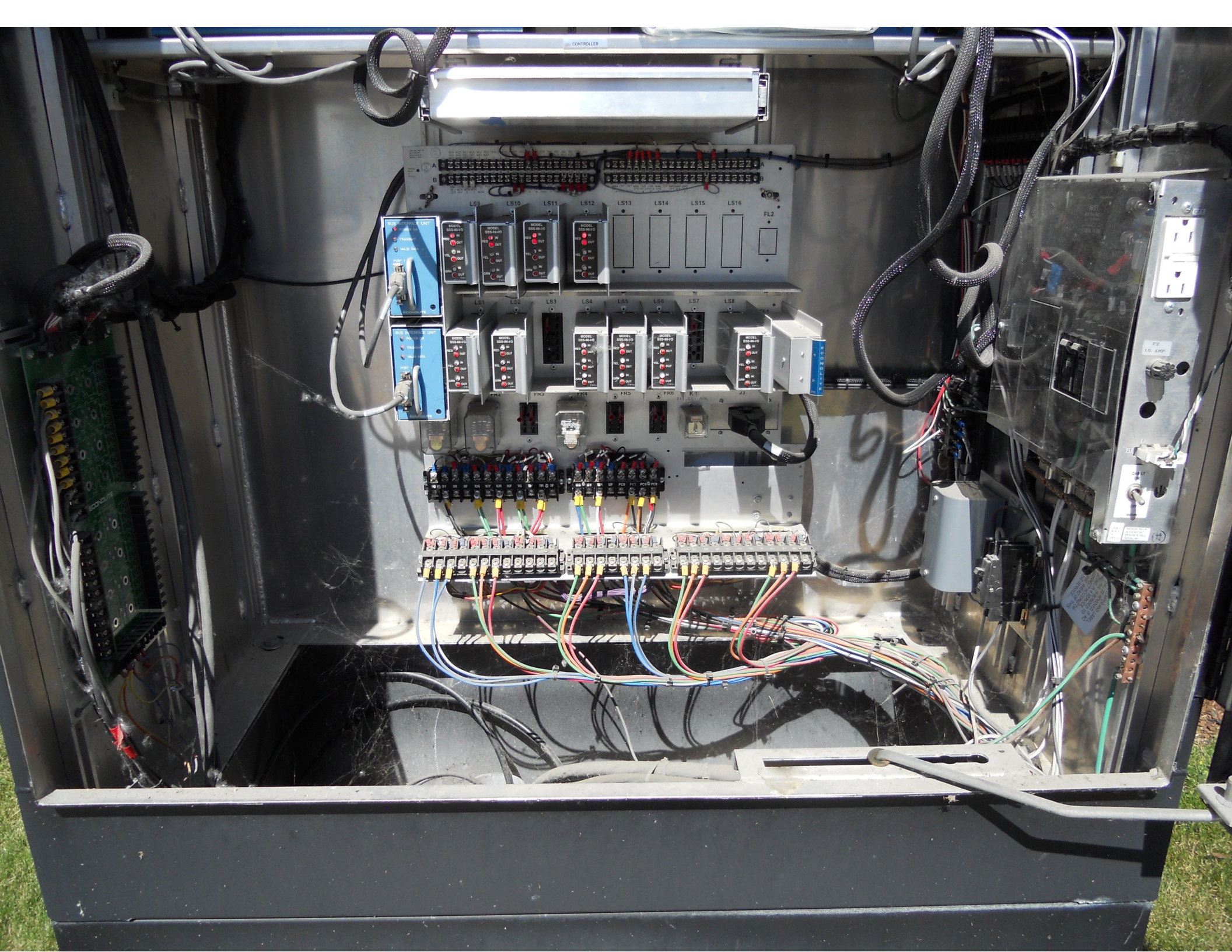
1 2 3

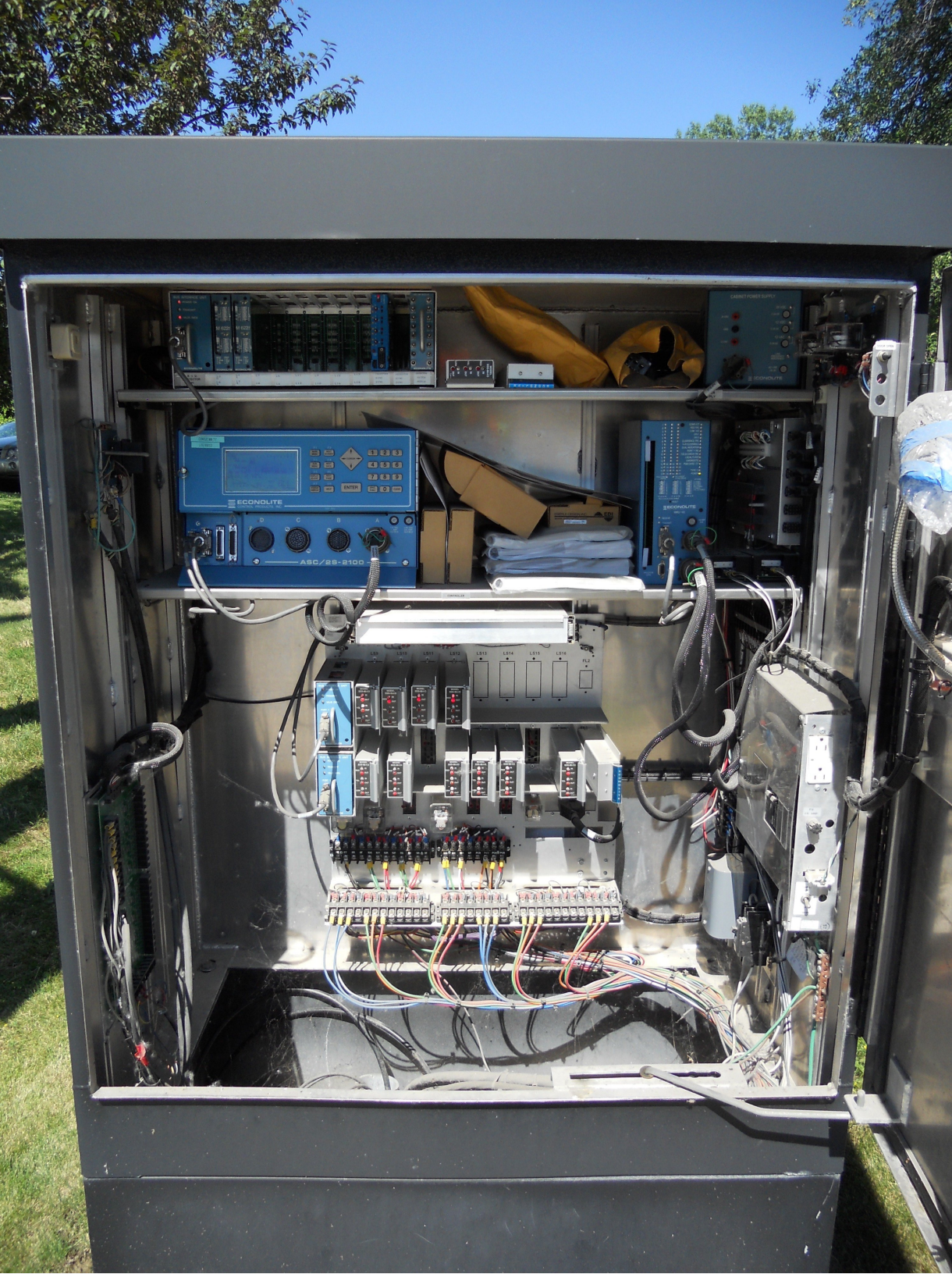
4 5 6

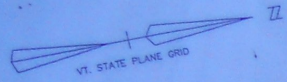
F1 MAIN MENU F2 NEXT SCREEN

F3 SUB MENU F4 NEXT DATA

CURSOR







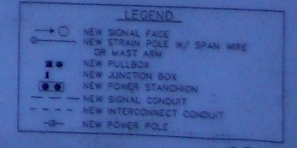
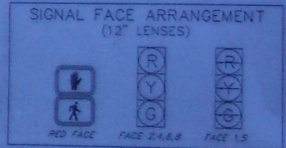
2" WIRED CONDUIT IN
12" ELECTRICAL
CONDUIT SLEEVE

SLEEVE LOCATIONS

371+55, 51'0" RT. - 372+18, 47'6" RT.
371+55, 51'9" LT. - 372+21, 44'2" LT.
372+27, 43'7" RT. - 372+27, 41'2" LT.

FROM	TO	ITEM 678.20 (MOD.) INTERCONNECT CONDUIT 3"	ITEM 678.21 ELECTRICAL CONDUIT 4"	ITEM 678.23 WIRED CONDUIT 2"	ITEM 678.30 ELECTRICAL CONDUIT SLEEVE 2 1/2" 8" 12"	DESCRIPTION
POWER SOURCE	STATION-ON					STATION-ON LIGHTING
POWER SOURCE	STATION-ON					SIGNAL / VAD LIGHTING - POWER
STATION-ON	CONTROLLER			14		SIGNAL - POWER
STATION-ON	PB S-19			20		VAD LIGHTING - POWER
PB S-19	CONTROLLER	77				INTERCONNECT
PB S-19	CONTROLLER			10		SIGNAL
PB S-19	CONTROLLER	10				INTERCONNECT
PB S-19	CONTROLLER			10		SIGNAL
CANTILEVER #23	PB S-19			10		LOOP #4, #5 / PRE-EMPTION
CANTILEVER #23	PB S-19			16		VAD LIGHTING
CANTILEVER #23	PB S-19			16		SIGNAL
CANTILEVER #23	PB S-19			16		LOOP #6
JB I-42	PB S-19			19		INTERCONNECT
CANTILEVER #21	PB S-18	57				VAD LIGHTING
CANTILEVER #21	PB S-18			30		SIGNAL
CANTILEVER #21	PB S-18			30		LOOP #1
LOOP #1	PB S-18			5		SPACE
PB S-18	PB S-19			85		84
PB S-18	PB S-19			85		VAD LIGHTING
PB S-18	PB S-19			85		SIGNAL
PB S-18	PB S-19			85		INTERCONNECT
PB S-18	PB S-19			85		LOOP #7
PB S-18	PB S-20	85				VAD LIGHTING
PB S-19	PB S-20			103		88
PB S-19	PB S-20			103		SIGNAL
PB S-19	PB S-20			103		LOOP #4, #5 / PRE-EMPTION
LOOP #5	PB S-20			15		VAD LIGHTING
PB S-20	PB S-21			19		SIGNAL
CANTILEVER #22	PB S-20			25		VAD LIGHTING
CANTILEVER #22	PB S-20			25		SIGNAL
PB S-20	PB S-21			68		50
PB S-20	PB S-21			68		VAD LIGHTING
PB S-20	PB S-21			68		SIGNAL
PB S-20	PB S-21			68		LOOP #4 / PRE-EMPTION
CANTILEVER #20	PB S-21			16		SIGNAL
CANTILEVER #20	PB S-21			16		PRE-EMPTION
LIGHT POLE V6	PB S-21			30		VAD LIGHTING
TOTAL		229	254	1101	98	202

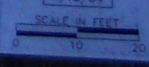
ITEM 678.26 - JUNCTION BOX	ITEM 678.27 - PULL BOX - DOUBLE
370+55, 44' RT. (I-42)	371+43, 41' RT. (S-18)
373+03, 44' RT. (I-43)	371+81, 52' LT. (S-21)
	372+27, 54' RT. (S-19)
	372+27, 54' LT. (S-20)



SURVEYED BY V.S.C. INC. DATE _____
DRAWN BY P.E.S. INC. DATE _____
TRACED BY T.E.A. INC. DATE _____

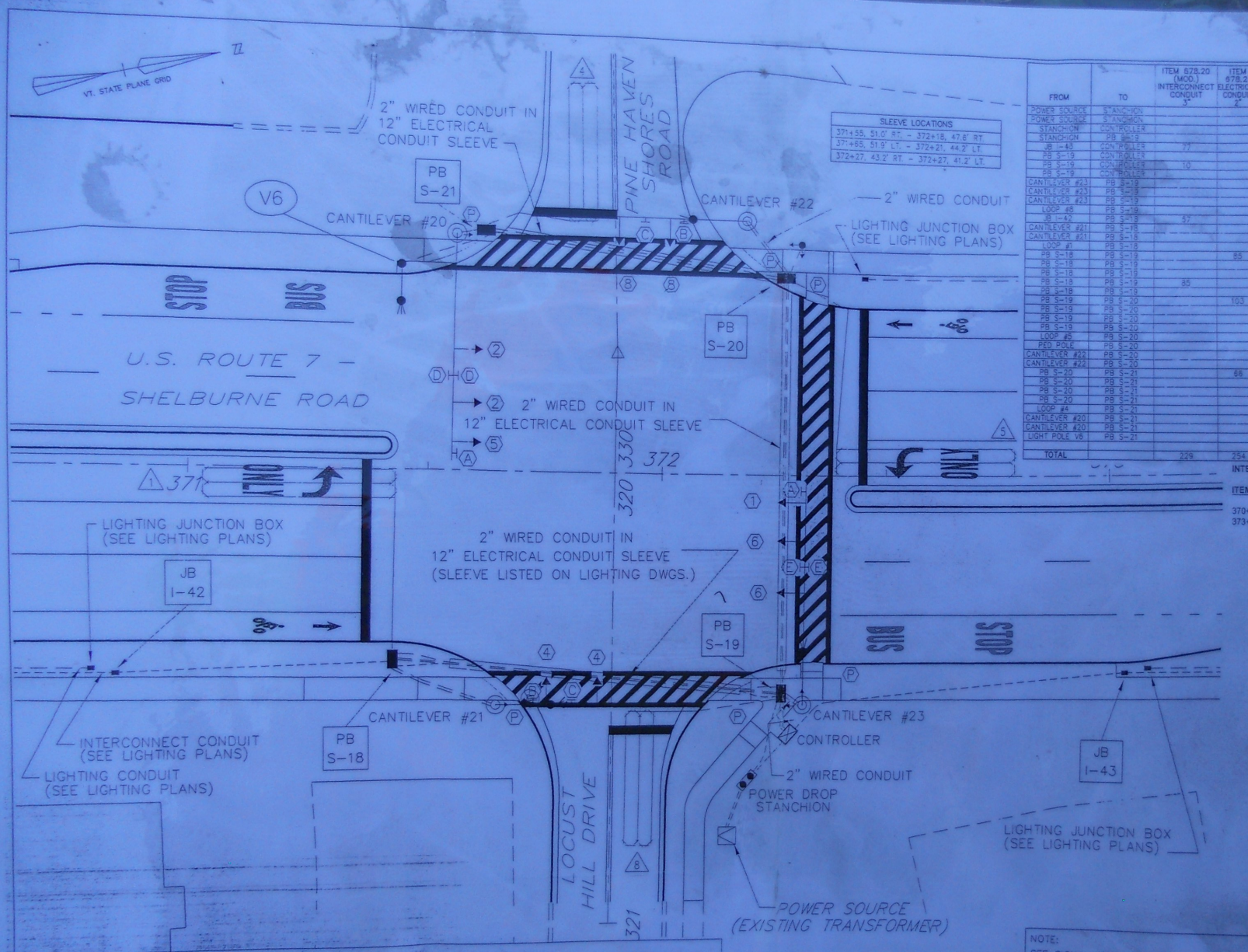
PROJECT NH-EGG-019-1020
SIGNAL DRAWING NO. 19
SHEET NO. 231 OF 231

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



INTERSECTION NO. MS-509 (US 7 - PINE HAVEN SHORES)

DATUM
VERTICAL NGVD 1929
HORIZONTAL TAD 1927





ELSTER

K I L L O W A T T H O U R S

709 429

MADE IN U.S.A.

22 697 20

DO NOT BREAK SEAL
NO FUSES INSIDE





PVT LOCUST

SHELburne RD

ONE WAY



SHELBURNE RD











SHELBURNE RD

LEGAL LOAD
LIMIT
24,000
POUNDS

NO
OUT







PINE HAVEN SHORES

PVT LOCUST HILL

ONLY



LEFT TURN
ONLY

NORTH STAR
MOTEL

HAIVEN SHORES

LEFT TURN
OR
U
TURN



PVT LOCUST HILL

SHELBY

PVT LOCUST HILL





PVT LOCUST HILL





PVT LOCUST HILL



NO PARKING

NORTH STREET



SUB

ANTIQUARIAN SHOW



STOP BUS



15.00" / 32.0"
65KSI / .219"
5.00" / 49.0" / .25" / 7.62



SHELBURNE RD



SHELBURNE RD









PINE HAVEN SHORES

The Laurel
Offices For Rent
846-2022
Long Care
Openings
965-8118

STOP
BUS







12.00" / 320
5.5KSI / 7 GA
9.00" / 230 / 7 GA







Shelburne



PINE HAVEN SHORES

ONLY

Left-turn arrow



PINE HAVEN SHORES



NO PARKING











PINE HAVEN SHORES



STOP
BUS



Offices
For Rent
846-2022
Child Care
Openings
985-8118



15.00" / 20.0'
65 KSI / .219"
13.10" / 49.0' / .25" / 7 GA

Coordination Patterns

```

-----
Pattern 1
Cycle Length . . . 70  COS . . . . . 111
Offset . . . . . 0
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 14 2- 34 3- 0 4- 22
        Phase 5- 14 6- 34 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 . . . 70  COS . . . . . 211
Offset . . . . . 0
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 14 2- 34 3- 0 4- 22
        Phase 5- 14 6- 34 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 . . . 80  COS . . . . . 311
Offset . . . . . 0
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 15 2- 43 3- 0 4- 22
        Phase 5- 15 6- 43 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

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

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

Phase Number

	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable	X	X	.	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 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	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	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

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable	X	X	.	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

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

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable
Max 3 Enable	X	X	.	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

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

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable	X	X	.	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

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

	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

Alt Sequence A B C D E F
