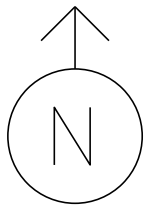


MS # 517



US-7 NORTH



STOP
BUS



HOLMES ROAD

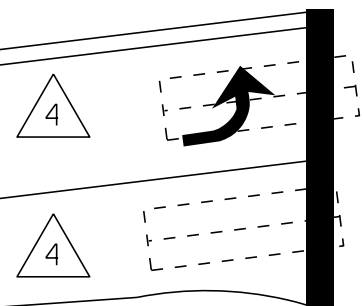
PB
PB

JB

PB PB

PB
PB

IDX DRIVE



2

2

D 5



4

4

A



8

8

STOP
BUS

S



ONLY

1

6

6



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

- COORDINATION
- 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

US-7 SOUTH

NOT TO SCALE

MS # 517

N

US-7 NORTH

HOLMES ROAD

6' 12' 11' 10' 11' 12' 6'

LANE LINE 75'

LANE LINE 215'

ONLY

STOP BUS

STOP BAR 38'

CROSSWALK 75'

CROSSWALK 76'

12' 11' 13'

LANE LINE 75'

STOP BAR 11'

STOP BAR 19'

STOP BAR 26'

CROSSWALK 65'

12' 13' 13'

LANE LINE 50'

IDX DRIVE

STOP BAR 38'

STOP BUS

ONLY

LANE LINE 160'

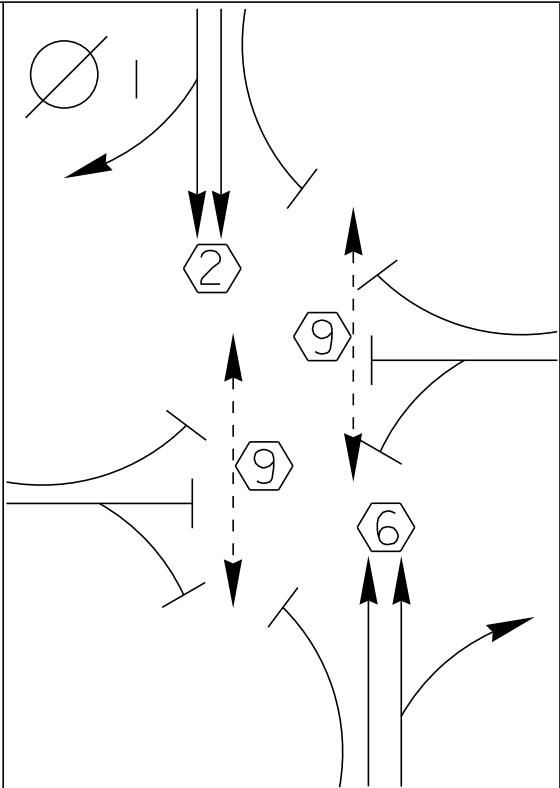
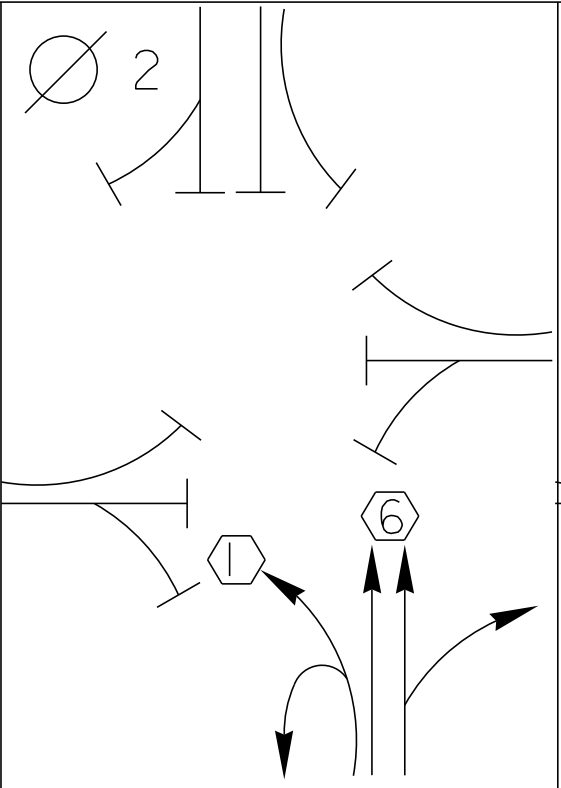
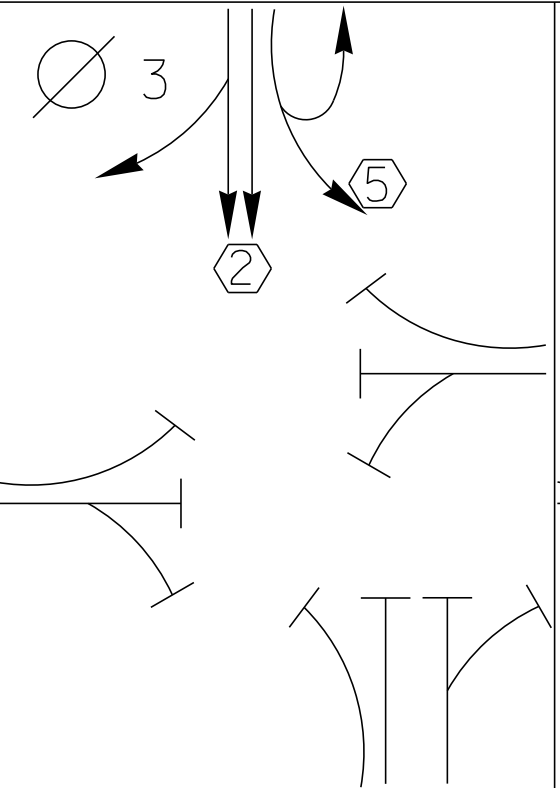
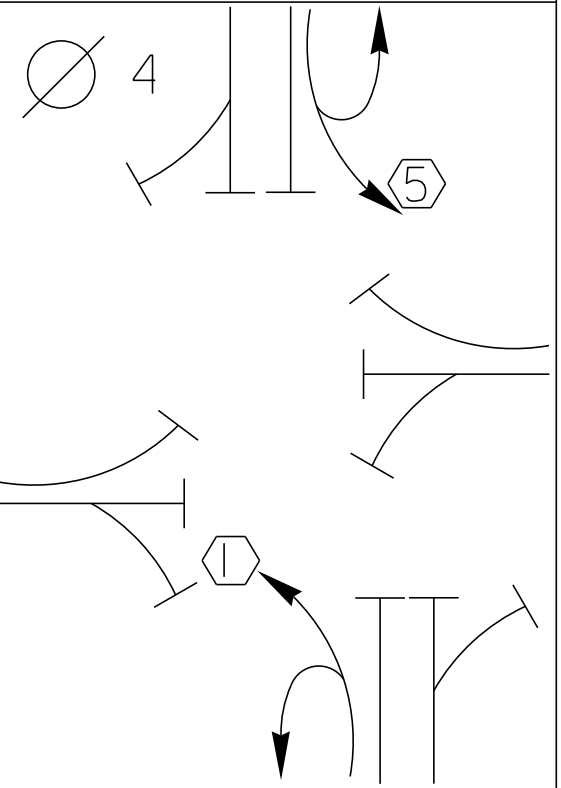
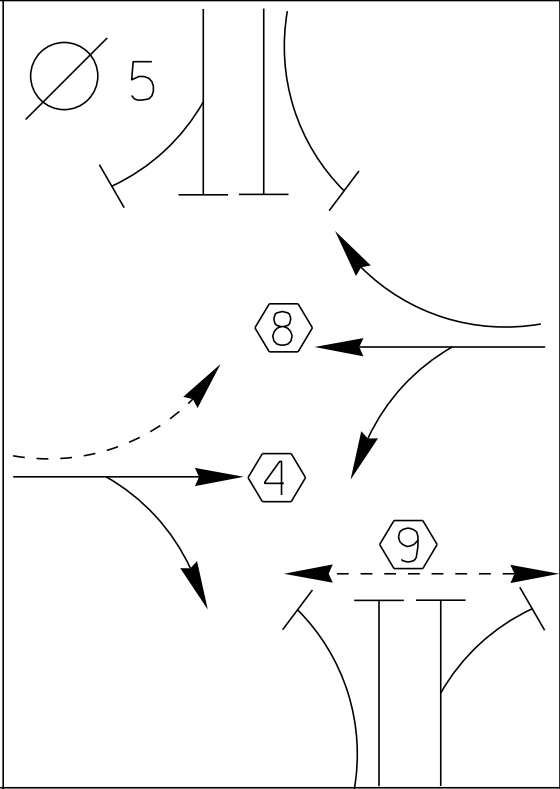
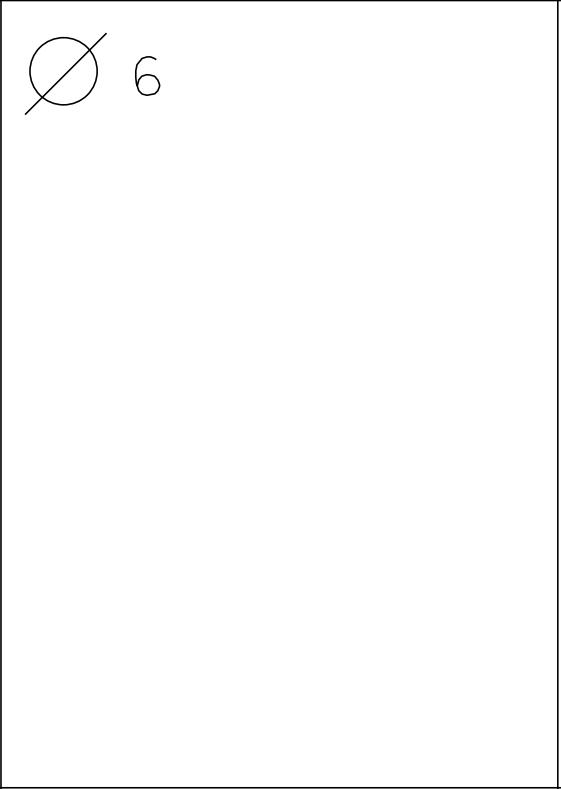
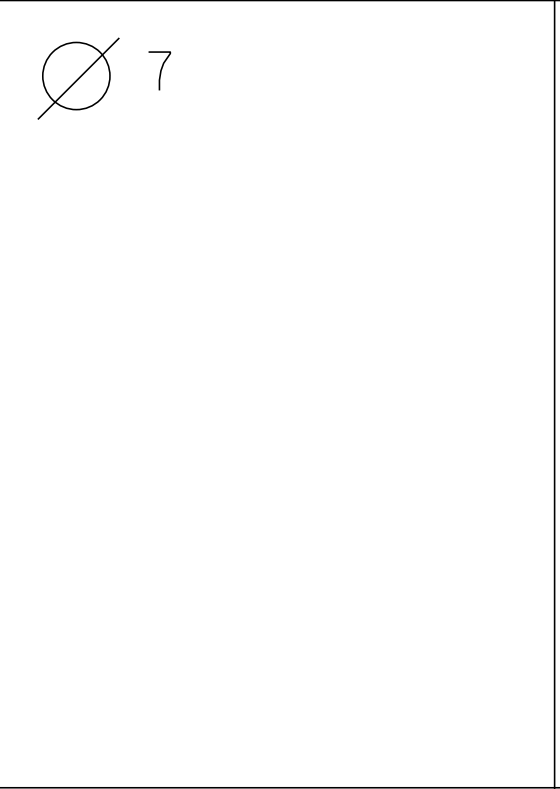
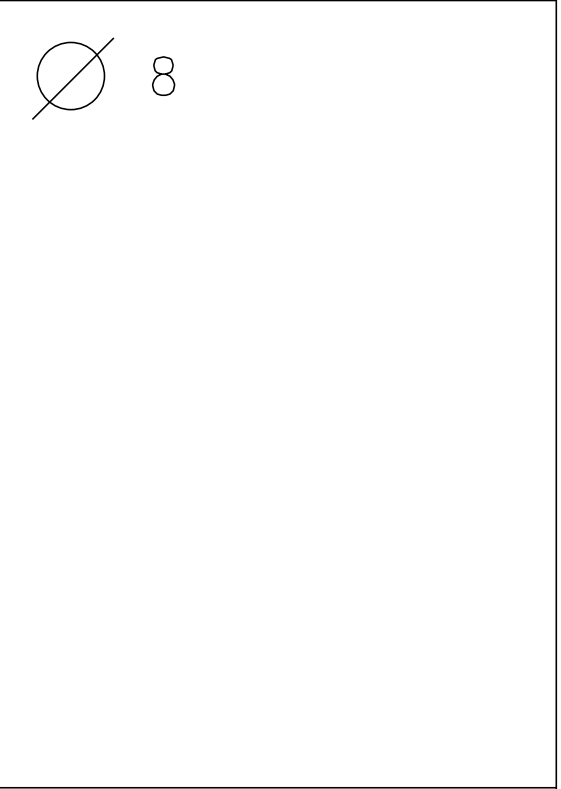
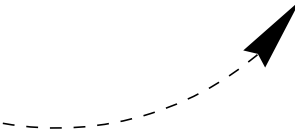
LANE LINE 135'

6' 12' 11'

10' 11' 12' 6'

US-7 SOUTH

NOT TO SCALE

D I A G R A M 				
TIMING	G = Y =	G = Y =	G = Y =	G = Y =
D I A G R A M				
TIMING	G = Y =	G = Y =	G = Y =	G = Y =
 PROTECTED TURNS	  PERMITTED TURNS PEDESTRIAN	CYCLE LENGTH, C= _____ S		



PROPERTY OF :
VT. AGENCY OF TRANS.
MAINTENANCE DIV.

IN EMERGENCY CALL :
DIST. TRANS. OFFICE
855-1580 COLCHETER
NIGHTS & WEEKENDS : 878-7111
INTERSECTION NO. 125-24

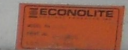
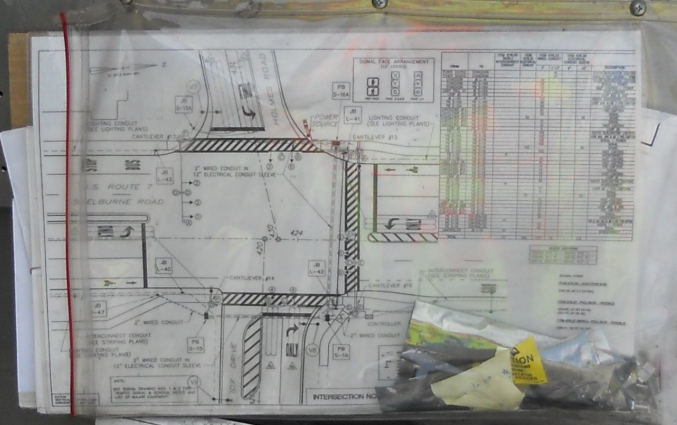
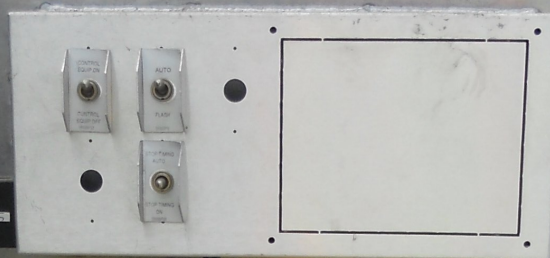
DANGER

115 VOLTS A.C.

WARNING

DO NOT OPERATE
CABINET WITHOUT
CMU / MMU

TURN ON
10-10-05



Model 5200
Serial Number 08060909

- ✓ Data Cable - CB-81
- ✓ Lightning Arrestor - RA-702
- ✓ RF Cable - CB-1018A
- ✓ Power Supply - BH-36A

www.encomwireless.com

ENCOM
Wireless Data Solutions
www.encomwireless.com

BUS INTERFACE UNIT

POWER ON

TRANSMIT

VALID DATA

ECONOLITE

1

DET FLT

LM 622t

ECONOLITE

1

DET FLT

LM 622t

ECONOLITE

1

DET FLT

LM 622t

ECONOLITE

3M 754 Opticom™

POWER

Ch A

Ch B

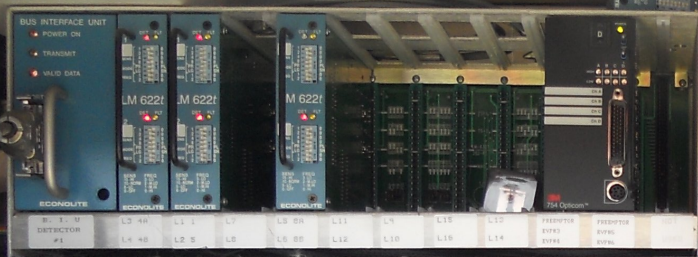
Ch C

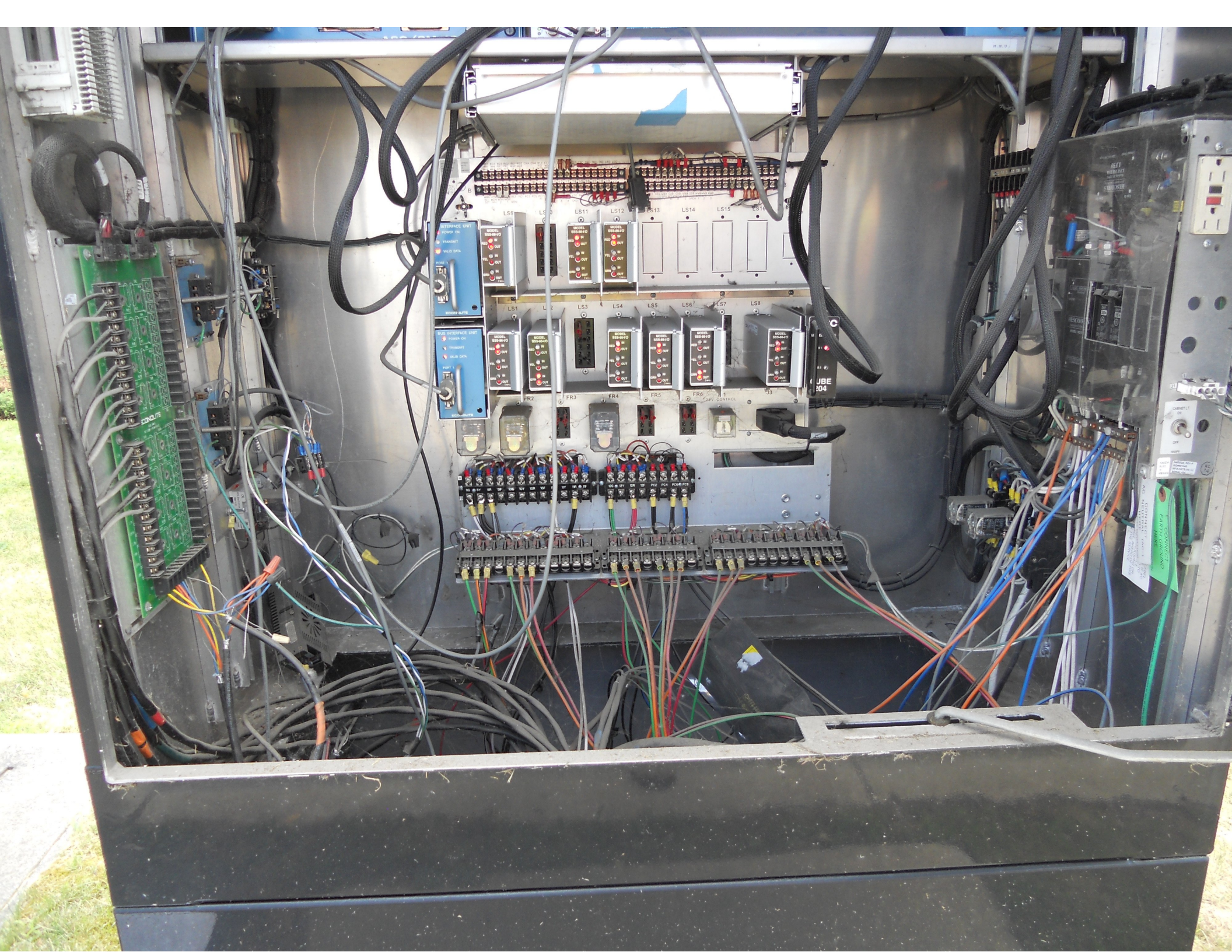
Ch D

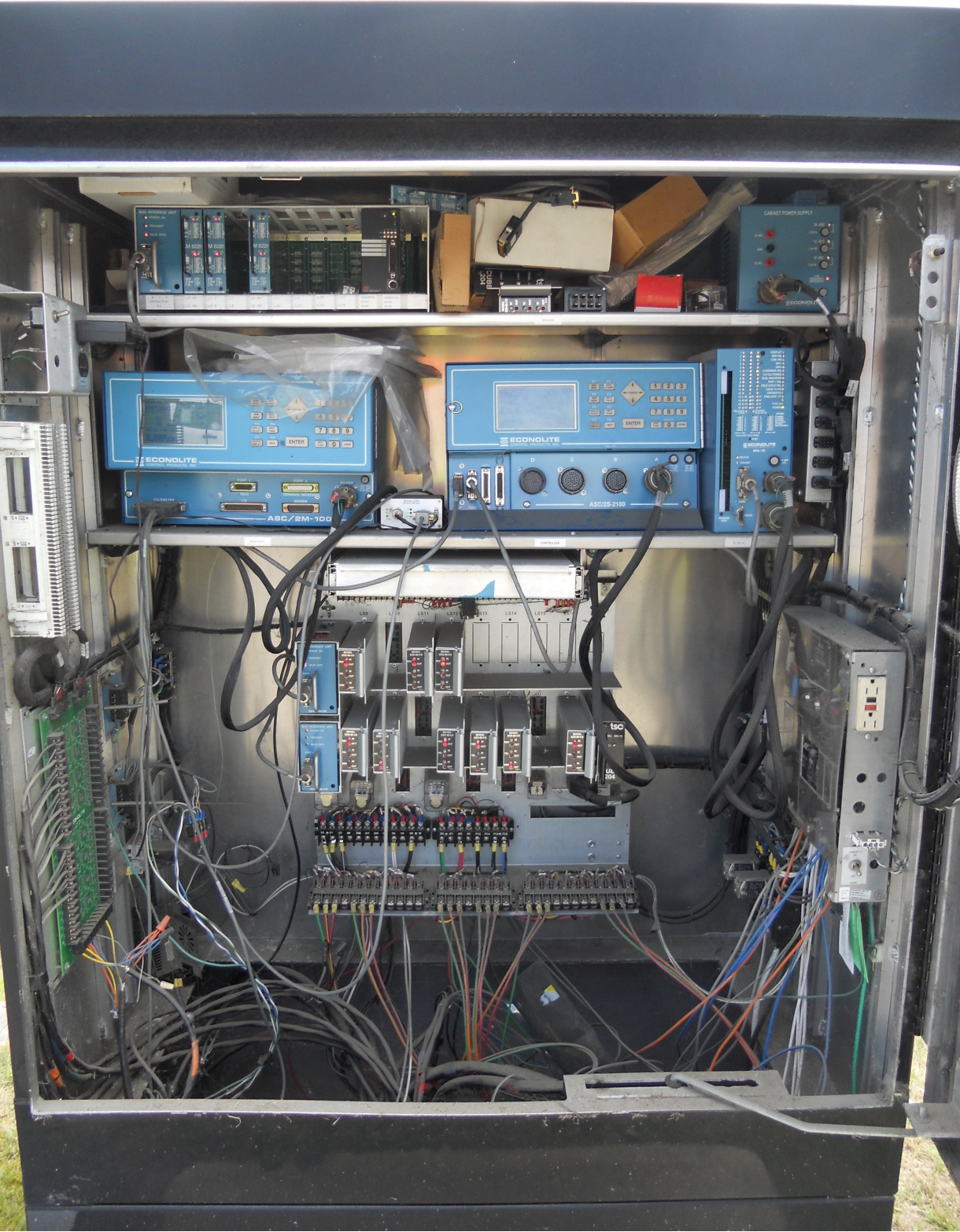
B. I. U DETECTOR #1	L3 4A	L1 1	L7	L5 8A	L11	L9	L15	L13	PREEMPTOR	PREEMPTOR	NOT
L4 4B	L2 5	L8	L6 8B	L12	L10	L16	L14	EVPM3	EVPM5	USED	
								EVPM4	EVPM6		

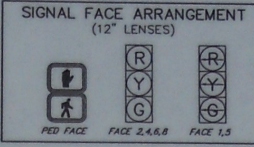
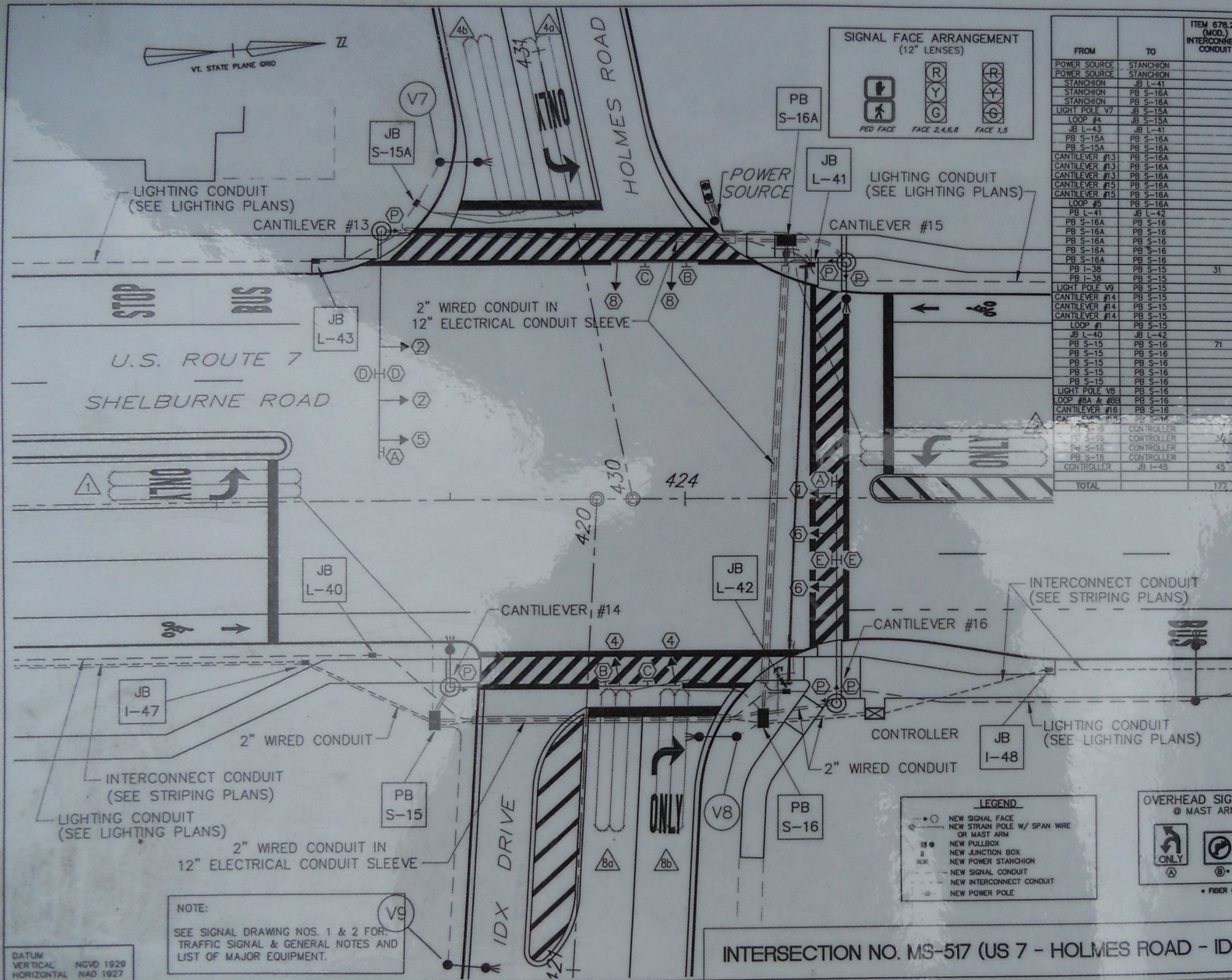
MASTER NO. 1 THU 7/25/12 1:07 PM
SYSTEM IN EFFECT TIME OF DAY
CIRCLE COUNTDOWN 18
C1 OFT SPL CVC LEN
1/3

F2
MAIN MENU NEXT SCREEN
F3 F4
SUB NEXT
CURSOR
1 2 3









FROM	TO	ITEM 678.20 (MOD.) INTERCONNECT CONDUIT	ITEM 678.21 ELECTRICAL CONDUIT	ITEM 678.23 WIRED CONDUIT	ITEM 678.30 ELECTRICAL CONDUIT SLEEVE	DESCRIPTION
POWER SOURCE	STANCHION			48	12"	SOUTH BURLINGTON LIGHTING
STANCHION	PB S-16A			48		SOUTH BURLINGTON LIGHTING
STANCHION	PB S-16A			28		SIGNAL - POWER
STANCHION	PB S-16A			20		VAOT LIGHTING - POWER
STANCHION	PB S-16A			16		VAOT LIGHTING
STANCHION	PB S-16A			4		LOOP #A & #B
STANCHION	PB S-16A			110		SOUTH BURLINGTON LIGHTING
STANCHION	PB S-16A			88		LOOP #A & #B / PRE-EMPTION
STANCHION	PB S-16A			88		VAOT LIGHTING
STANCHION	PB S-16A			92		PRE-EMPTION
STANCHION	PB S-16A			92		SIGNAL
STANCHION	PB S-16A			70		SIGNAL
STANCHION	PB S-16A			21		VAOT LIGHTING
STANCHION	PB S-16A			21		LOOP #5
STANCHION	PB S-16A			9		SOUTH BURLINGTON LIGHTING
STANCHION	PB S-16A			105		LOOP #A, #B & #C / PRE-EMPTION
STANCHION	PB S-16A			102		SIGNAL - POWER
STANCHION	PB S-16A			102		SIGNAL
STANCHION	PB S-16A			102		VAOT LIGHTING
STANCHION	PB S-16A			102		INTERCONNECT
STANCHION	PB S-16A			31		VAOT LIGHTING
STANCHION	PB S-16A			31		VAOT LIGHTING
STANCHION	PB S-16A			61		VAOT LIGHTING
STANCHION	PB S-16A			14		PRE-EMPTION
STANCHION	PB S-16A			14		SIGNAL
STANCHION	PB S-16A			14		VAOT LIGHTING
STANCHION	PB S-16A			17		LOOP #1
STANCHION	PB S-16A			95		SOUTH BURLINGTON LIGHTING
STANCHION	PB S-16A			71		INTERCONNECT
STANCHION	PB S-16A			71		LOOP #1 / PRE-EMPTION
STANCHION	PB S-16A			71		SIGNAL
STANCHION	PB S-16A			71		VAOT LIGHTING
STANCHION	PB S-16A			13		VAOT LIGHTING
STANCHION	PB S-16A			13		LOOP #A & #B
STANCHION	PB S-16A			21		PRE-EMPTION
STANCHION	PB S-16A			21		SIGNAL
STANCHION	PB S-16A			30		INTERCONNECT
STANCHION	PB S-16A			30		VAOT LIGHTING
STANCHION	PB S-16A			30		SIGNAL - POWER
STANCHION	PB S-16A			45		SIGNAL
STANCHION	PB S-16A			45		INTERCONNECT
TOTAL		177	265	1737	92	215

SLEEVE LOCATIONS
423+40, 57.9' LT - 424+10, 55.9' LT
423+54, 47.1' RT - 424+10, 47.1' RT
424+17, 39.5' RT - 424+21, 50.3' LT

- SIGNAL ITEMS**
- ITEM 678.26 - JUNCTION BOX**
- 423+42, 64' LT (S-15A)
- ITEM 678.27 - PULLBOX - DOUBLE**
- 423+47, 47' RT (S-15)
- 424+17, 47' (S-16)
- ITEM 678.27 (MOD.) - PULLBOX - DOUBLE**
- 424+21, 56' RT (S-16A)
- LIGHTING ITEMS**
- ITEM 678.26 - JUNCTION BOX**
- 423+21, 51' LT (L-43)
- 423+33, 33' RT (L-40)
- 424+21, 41' RT (L-42)
- 424+21, 51' LT (L-41)

SHELburne - SOUTH BURLINGTON

SURVEYED BY V.S.C. INC. DATE

DRAWN BY F.A.A. INC. DATE

TRACED BY F.A.A. INC. DATE

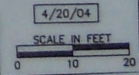
REVISED SIGNAL DESIGN

PROJECT NH-EGC-019-4(28)

SIGNAL DRAWING NO. 6

SHEET NO. 131A OF 283

INTERSECTION NO. MS-517 (US 7 - HOLMES ROAD - IDX)





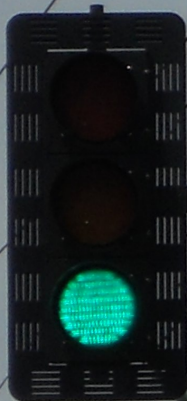


ORCHARD
Nursery Services

STREET LIGHTING



SHELBURNE RD













SHELBURNE RD

LEGAL LOAD
LIMIT
24000
POUNDS

SPEED
LIMIT
25



#C15 - 150 - H.P.S. - III







IDX DR



NO
PARKING



IDX DR



SPEED LIMIT 35

NO PARKING
8 AM - 6 PM



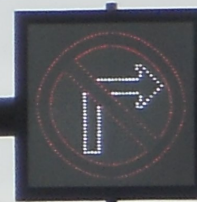








SHELBURNE RD













SHELBURNE RD

#C14 - 150 - H.P.S. - III

POLE TOP
ARM 90°



• #C14 - 150 - H.P.S. - III •

U.M. 103
RULE 7GA/14" 33'0"
ARM 7GA/14" 45'0"
55

















HOLMES RD



STOP
LINES



W.C.
75A-14-20-ARM
18-49-55K91
04/2004

Dimming:

[illegible]

Coordination Patterns

Pattern 1

Cycle Length . . . 70 COS 111

Offset 22

Vehicle Permissive . . [1] 0 [2] 0

Vehicle Perm 2 Displacement 0 Phase Reservice. . NO

Splits: Phase 1- 22 2- 32 3- 0 4- 16

Phase 5- 22 6- 32 7- 0 8- 16

Phase 9- 10 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 60

Vehicle Permissive . . [1] 0 [2] 0

Vehicle Perm 2 Displacement 0 Phase Reservice. . NO

Splits: Phase 1- 14 2- 36 3- 0 4- 20

Phase 5- 14 6- 36 7- 0 8- 20

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 57

Vehicle Permissive . . [1] 0 [2] 0

Vehicle Perm 2 Displacement 0 Phase Reservice. . NO

Splits: Phase 1- 14 2- 46 3- 0 4- 20

Phase 5- 14 6- 46 7- 0 8- 20

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: .

.....

	Week of Year																	
Prog	1 1	2 1	3 1	4 1	5 1	6 1	7 1	8 1	9 1	10 1	11 1	12 1	13 1	14 1	15 1	16 1	17 1	18 1
Prog	19 1	20 1	21 1	22 1	23 1	24 1	25 1	26 1	27 1	28 1	29 1	30 1	31 1	32 1	33 1	34 1	35 1	36 1
Prog	37 1	38 1	39 1	40 1	41 1	42 1	43 1	44 1	45 1	46 1	47 1	48 1	49 1	50 1	51 1	52 1	53 1	

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	.	.	.	.	.	.	.	.	.	.	.	.

	A	B	C	D	E	F
Alt Sequence	.	.	.	.	.	.

Step 2 Program 1 Step Begins 0645

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	.	.	.	.	.	.	.	.	.	.	.	.

	A	B	C	D	E	F
Alt Sequence	.	.	.	.	.	.

TOD Program Steps

Step 3 Program 1 Step Begins 0900

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	.	.	.	.	.	.	.	.	.	.	.	.

	A	B	C	D	E	F
Alt Sequence	.	.	.	.	.	.

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	.	.	.	.	.	.	.	.	.	.	.	.
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	.	.	.	.	.	.

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	.	.	.	.	.	.	.	.	.	.	.	.
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	.	.	.	.	.	.

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	.	.	.	.	.	.	.	.	.	.	.	.

	A	B	C	D	E	F
Alt Sequence	.	.	.	.	.	.

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	.	.	.	.	.	.	.	.	.	.	.	.
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	.	.	.	.	.	.

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	.	.	.	.	.	.	.	.	.	.	.	.

	A	B	C	D	E	F
Alt Sequence	.	.	.	.	.	.

TOD Program Steps

Step 10 Program 2 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	.	.	.	.	.	.	.	.	.	.	.	.

	A	B	C	D	E	F
Alt Sequence	.	.	.	.	.	.
