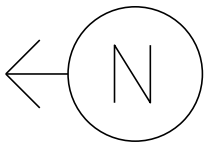


MS # 411



VT 10A EAST

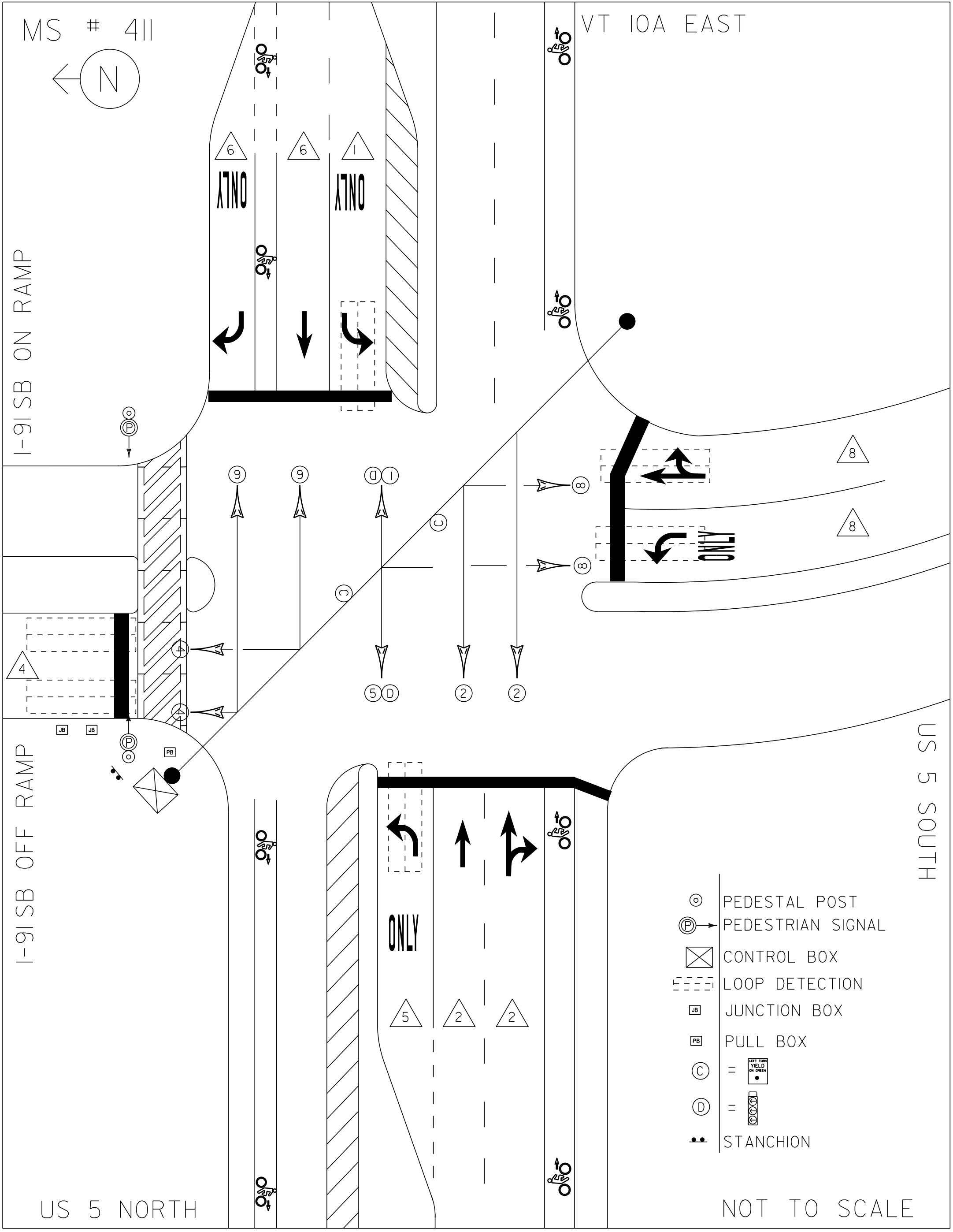
I-91 SB ON RAMP

I-91 SB OFF RAMP

US 5 NORTH

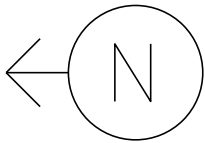
US 5 SOUTH

NOT TO SCALE



- PEDESTAL POST
- PEDESTRIAN SIGNAL
- CONTROL BOX
- LOOP DETECTION
- JUNCTION BOX
- PULL BOX
- =
- =
- STANCHION

MS # 411



I-91 SB ON RAMP

18'

18'

CROSSWALK 71'

STOP BAR 25'

ONLY



LANE LINE 260'



LANE LINE 260'



LANE LINE 260'

ONLY



STOP BAR 46'

12'

12'

STOP BAR 20'

STOP BAR 22'

VT 10A EAST

LANE LINE 100'

ONLY



11'

11'

20'

I-91 SB OFF RAMP

US 5 NORTH



11'

STOP BAR 49'

ONLY



LANE LINE 310'

12'

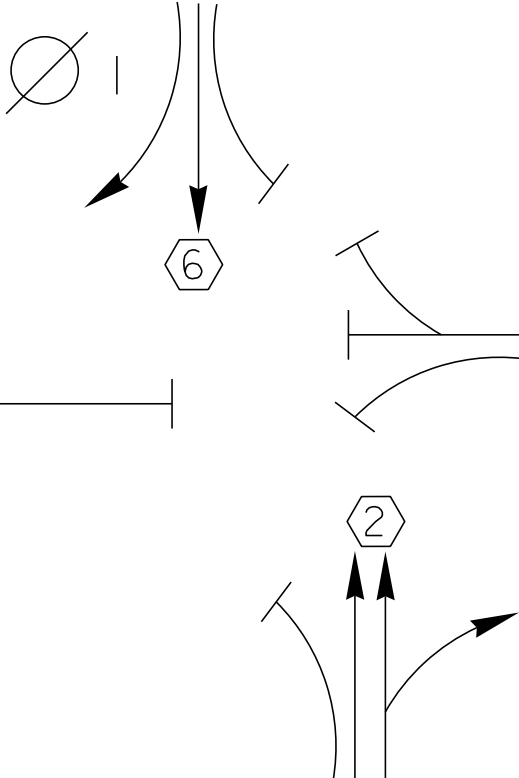
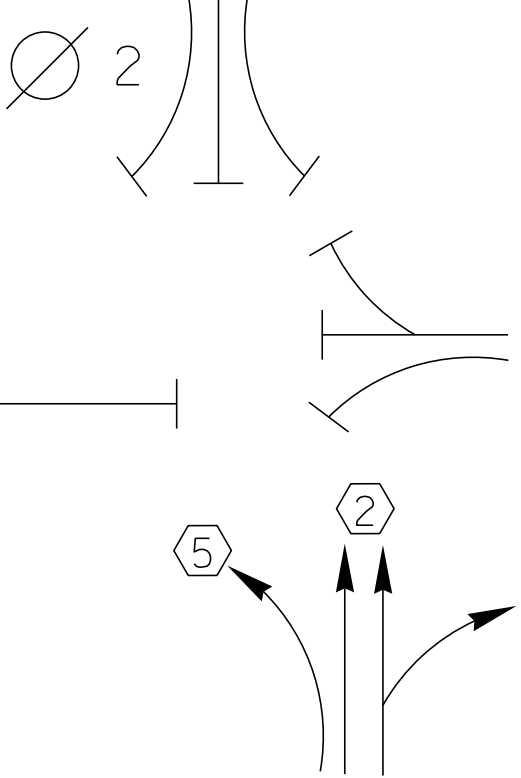
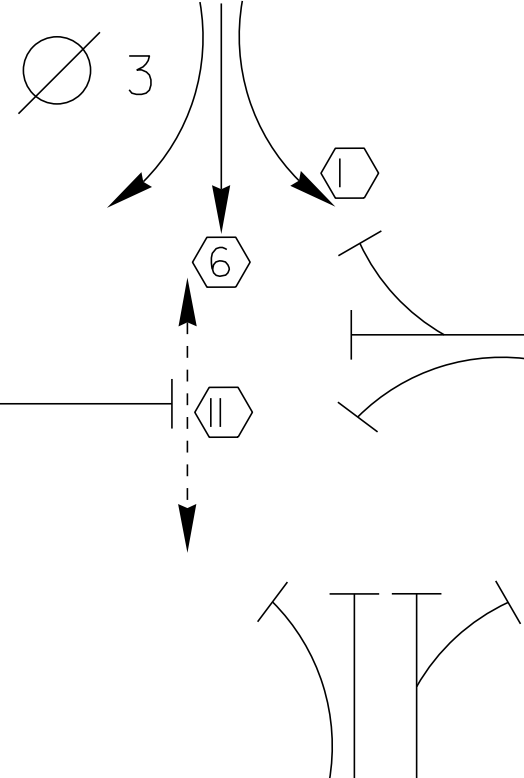
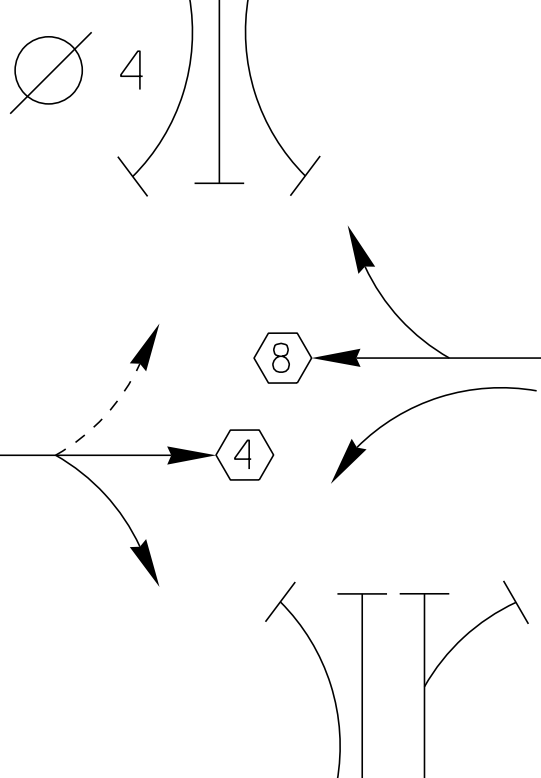
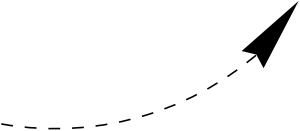
12'

12'



US 5 SOUTH

NOT TO SCALE

D I A G R A M N				
TIMING	G = Y =	G = Y =	G = Y =	G = Y =
D I A G R A M	Ø 5	Ø 6	Ø 7	Ø 8
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

205 9889

NIGHTS & WEEKENDS: 457 1416

INTERSECTION NO. 05 411



LM 301f

DETECT

FAULT

ON

1 2 3 4 5 6 7 8 9 10 11 12

PUL SH

PRES LONG

1 2

DIFF

ON

1/4 A SB

TE

LM 301

DETECT

FAULT

ON

1 2 3 4 5 6 7 8 9 10 11 12

PUL SH

PRES LONG

1 2

DIFF

ON

1/4 A SB

TE

LM 301

DETECT

FAULT

ON

1 2 3 4 5 6 7 8 9 10 11 12

PUL SH

PRES LONG

1 2

DIFF

ON

1/4 A SB

TE

LM 301

DETECT

FAULT

ON

1 2 3 4 5 6 7 8 9 10 11 12

PUL SH

PRES LONG

1 2

DIFF

ON

1/4 A SB

TE

EAST LEFT

HI

MED

LO

SENS

LONG PRES

MED PRES

PULSE

MODE

HI

MED

LO

FREQ

ON

1/4 A SB

TE

ECONOLITE
CONTROL PRODUCTS, INC.

LM3011 98 400T LM301 98 400T LM301 1000 98 400T LM301 WEST LEFT LM301 EAST LEFT

RESET AFTER MODIFYING SWITCHES
FAULT MONITOR FAIL
RESET
POWER
MODE
PREV FAIL

MIN FLASH DUAL SEL
8421AB 8421AD
GY ENABLE
WD ENABLE
VILATCH

1 2 3
4 5 6
7 8 9
0 CLEAR

ENTER

TELEMETRY
PORT 1
PORT 2
TERMINAL
C
B
A

200

ECONOLITE
CONTROL PRODUCTS, INC.

RESET AFTER MODIFYING SWITCHES
FAULT MONITOR FAIL
RESET
POWER
MODE
PREV FAIL

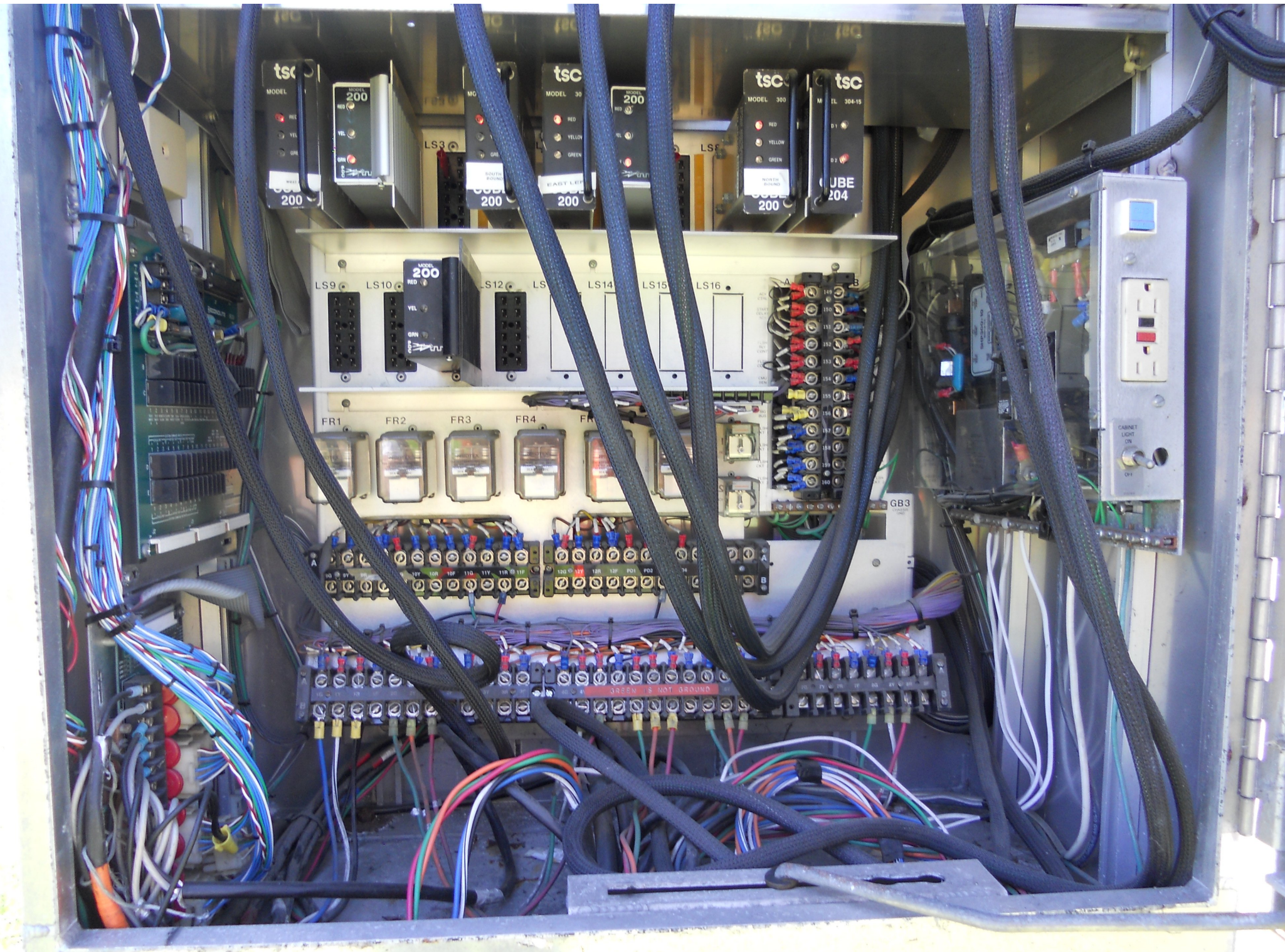
MIN FLASH DUAL SEL
8421AB 8421AD
GY ENABLE
WD ENABLE
VILATCH

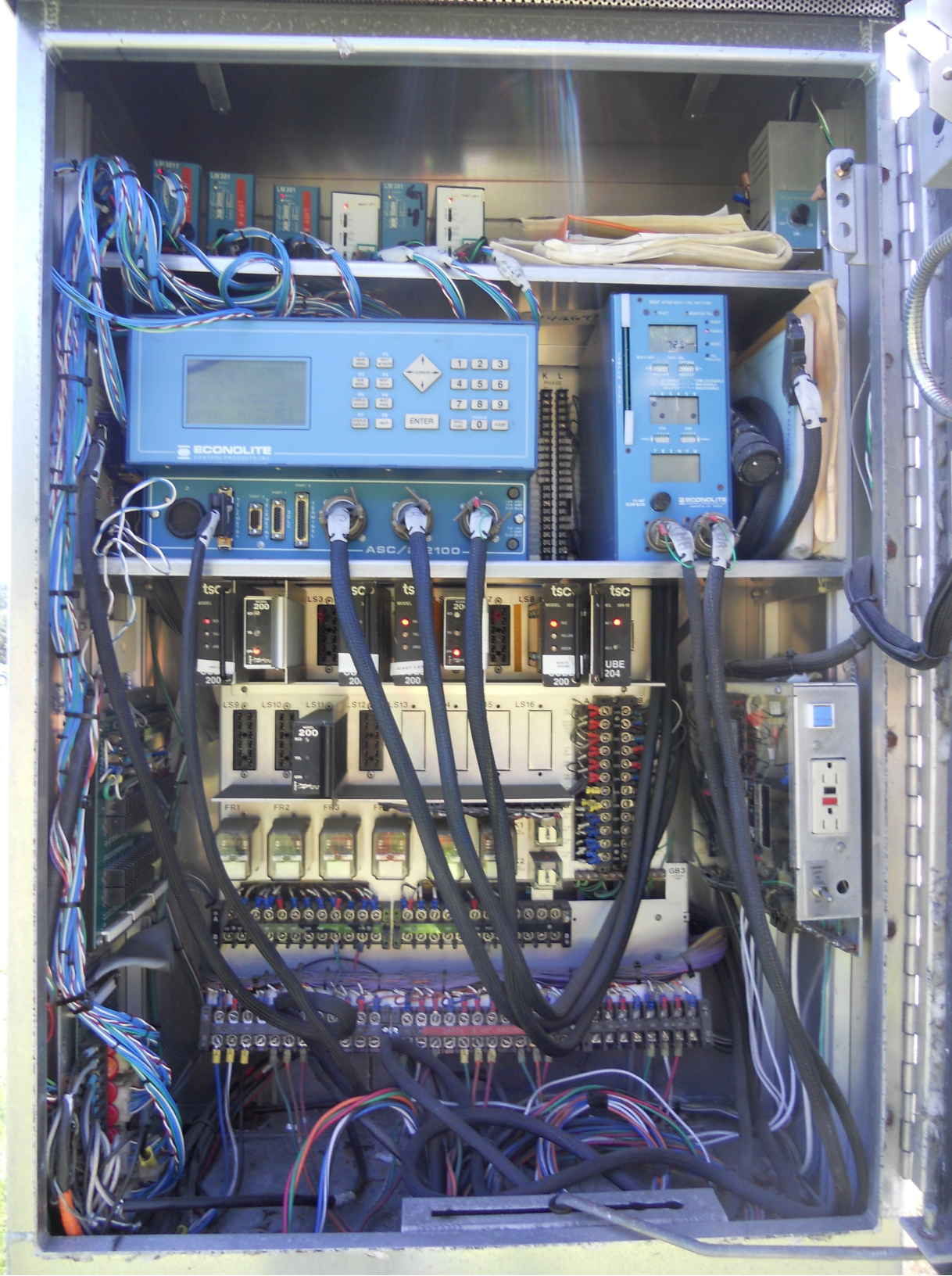
1 2 3
4 5 6
7 8 9
0 CLEAR

ENTER

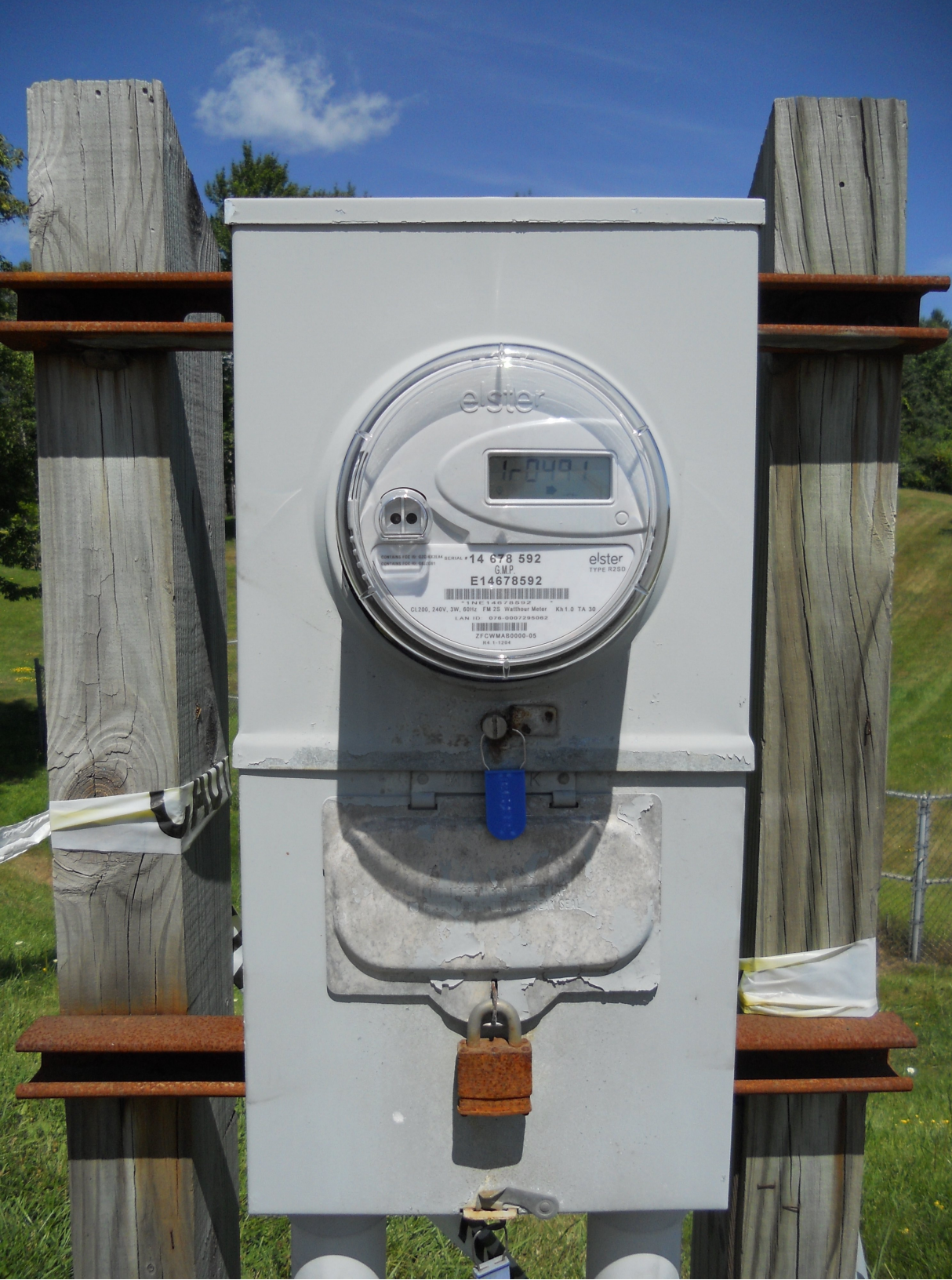
TELEMETRY
PORT 1
PORT 2
TERMINAL
C
B
A

200









elster
GMP
E14678592
CL200, 240V, 3W, 60Hz FM 25 Weather Meter Kh1.0 TA 30
LAN ID: 076-0007298082
ZFCWMA50000-05
04-1-1204

















LEFT TURN
YIELD
ON GREEN













SOUTH NORTH SOUTH
5 5 91
← ↑ →





LEFT TURN
YIELD
ON GREEN



NORTH
5





















14 IN 38
48KS106A

SIGNAL HOOK-UP: ASC/2-2100 CONTROLLER ASSEMBLY
US-5/VT-10 @ Ramp B & D
Norwich, VT Site 1

S.O.#2054-48-011

SIG#		2		4		6		8				
PHASE	1	2	3	4	5	6	7	8				
OVRLP									A	B	C	D
GRN		2G		4G		6G		8G				
YEL		2Y*		4Y		6Y*		8Y				
RED		2R		4R*		6R		8R*				
GRN ARR												
YEL ARR												
RED ARR												
WALK												
DON'T WALK												

NOTE: * = FLASH COLOR FOR THAT SIGNAL

LOOP HOOK-UP:

LOOP#	LANE	PHASE	CONNECT TO:
4	Ramp D	4	SDITB1-7 & 8
8	NB	8	SDITB1-9 & 10
8A	EB	8	SDITB1-13 & 14
8B	SB	8	SDITB1-15 & 16

18-95

Coordination Patterns

Pattern 1

Cycle Length . . . 70 COS 111

Offset 5

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

Vehicle Perm 2 Displacement 0 Phase Reservice. . NO

Splits: Phase 1- 20 2- 29 3- 0 4- 21

Phase 5- 20 6- 29 7- 0 8- 21

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 . . . 68 COS 211

Offset 21

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

Vehicle Perm 2 Displacement 0 Phase Reservice. . NO

Splits: Phase 1- 15 2- 29 3- 0 4- 24

Phase 5- 15 6- 29 7- 0 8- 24

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 . . . 88 COS 311

Offset 27

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

Vehicle Perm 2 Displacement 0 Phase Reservice. . NO

Splits: Phase 1- 26 2- 31 3- 0 4- 31

Phase 5- 26 6- 31 7- 0 8- 31

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: .

.....

[illegible][illegible]

NIC Program Steps

Step	Program	Step Begins	Pattern	Override
1	1	0600	2	NO
2	1	0930	1	NO
3	1	1430	3	NO
4	1	1800	1	NO
5	1	2200	0	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	X	X	.	X	X	X	.	X	.	.	.	.
Max 3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall	.	X	.	.	.	X	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit.	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Function	.	.	.	.	.	.	.	.	.	.	.	.

Alt Sequence A B C D E F

Step 2 Program 1 Step Begins 0930

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	.	X	.	.	.	X	.	.	.	.	.	.
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 1430

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	.	X	.	.	.	X	.	.	.	.	.	.
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	.	X	.	.	.	X	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit.	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Function	.	.	.	.	.	.	.	.	.	.	.	.

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

TOD Program Steps

Step 5 Program 1 Step Begins 2200

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	.	.	.	.	.	.
