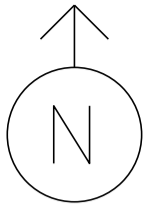


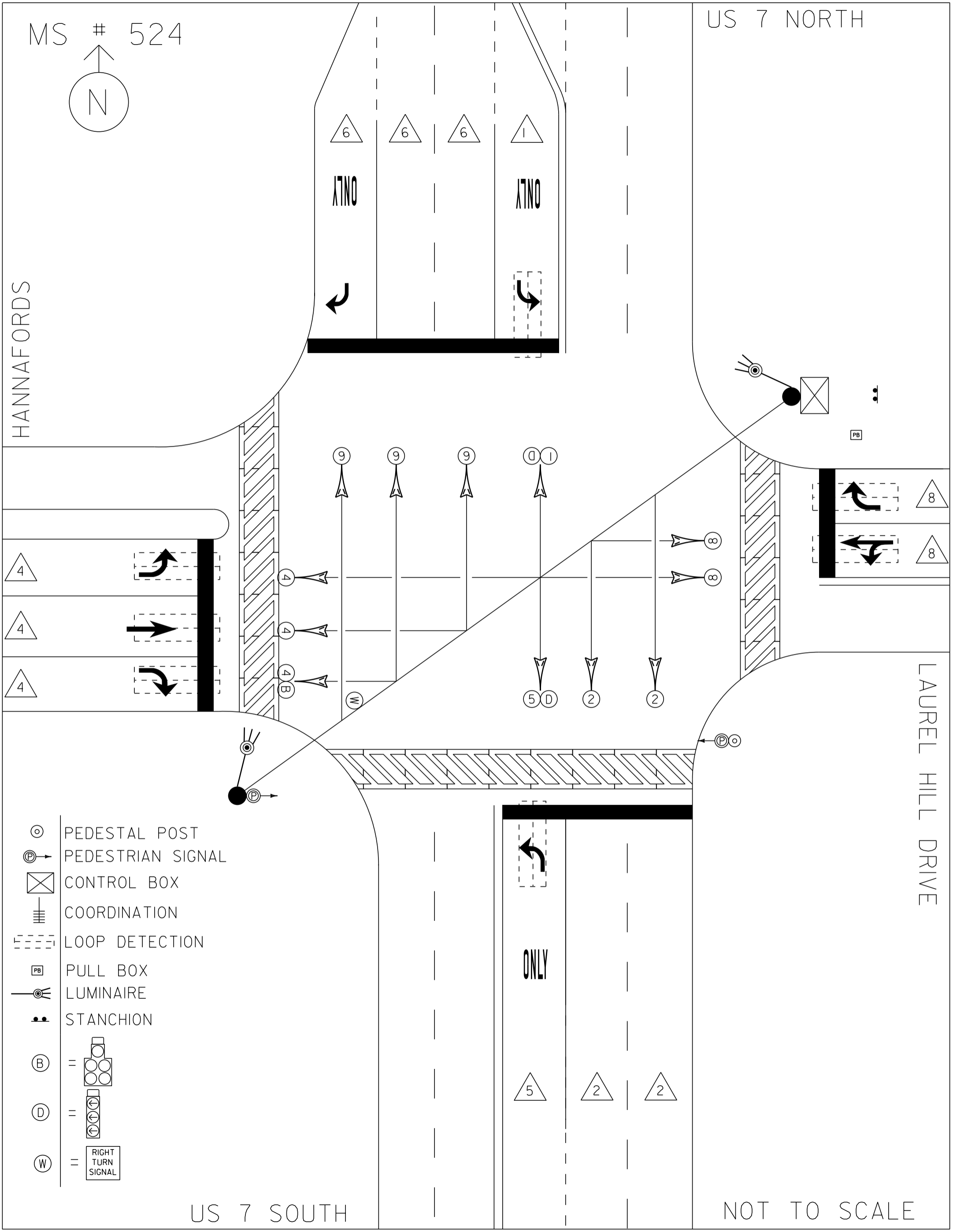
MS # 524

US 7 NORTH



HANNAFORDS

LAUREL HILL DRIVE



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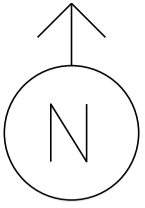
P

- ⊙ PEDESTAL POST
- ⊙→ PEDESTRIAN SIGNAL
- ⊠ CONTROL BOX
- ≡ COORDINATION
- ⋮ LOOP DETECTION
- ⊠ PB PULL BOX
- ☉ LUMINAIRE
- ⋮ STANCHION
- ⊙ = =
- ⊙ = =
- ⊙ = =

US 7 SOUTH

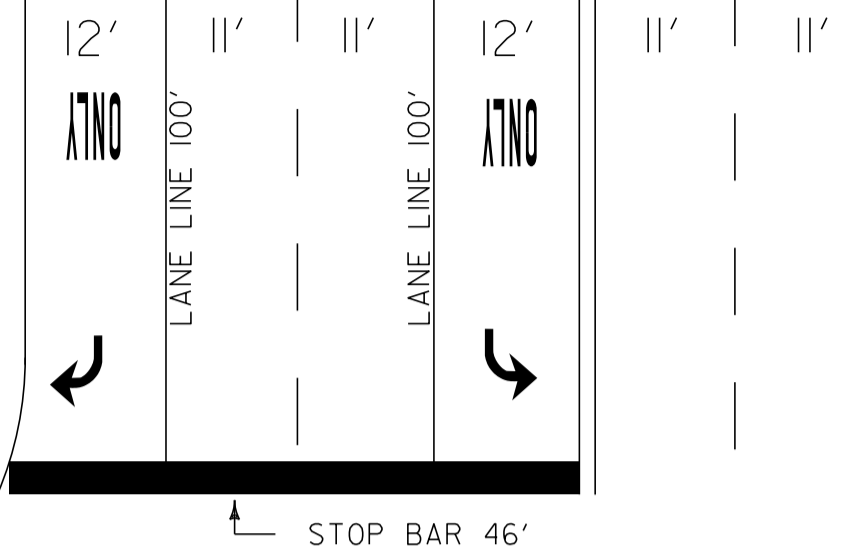
NOT TO SCALE

MS # 524



US 7 NORTH

HANNAFORDS



17'

12'

LANE LINE 90'

11'

LANE LINE 90'

11'

CROSSWALK 84'

STOP BAR 35'

STOP BAR 21'

CROSSWALK 68'



14'

LAUREL HILL DRIVE

CROSSWALK 75'

STOP BAR 35'

12' 12'



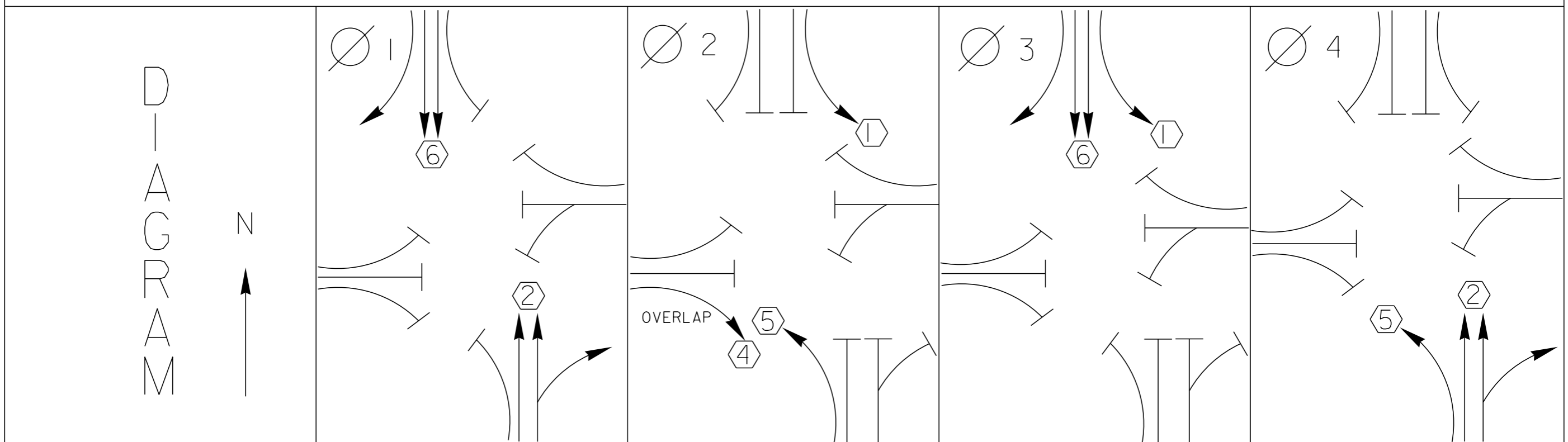
ONLY

LANE LINE 85'

11' 11' 11'

US 7 SOUTH

NOT TO SCALE



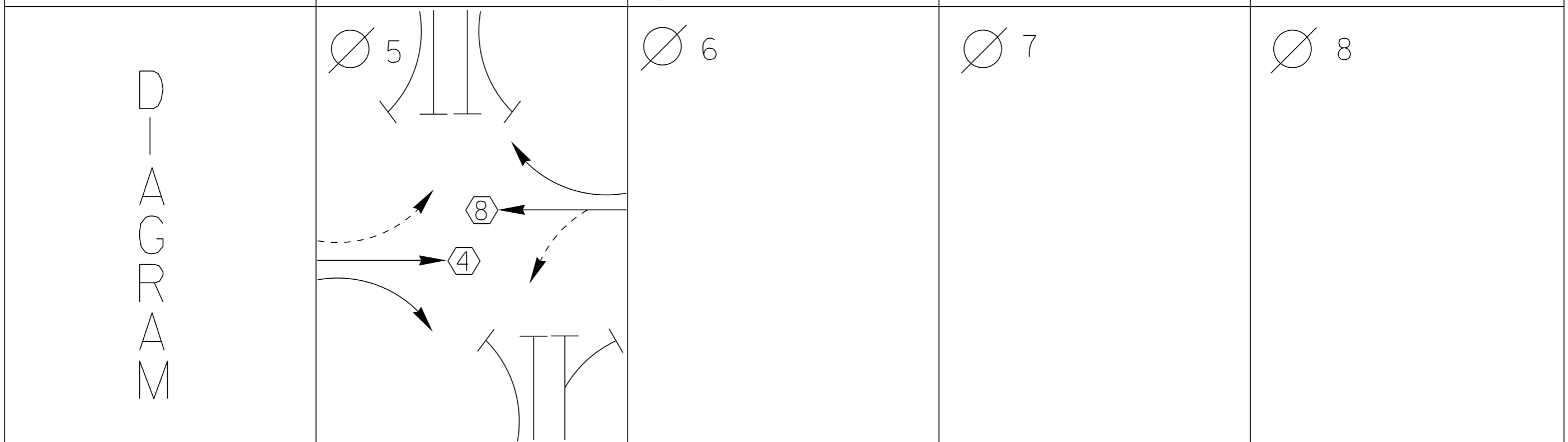
TIMING

G =  
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Y =

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Y =



TIMING

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PROTECTED  
TURNS

PERMITTED  
TURNS  
PEDESTRIAN

CYCLE LENGTH, C= \_\_\_\_\_ S

PROPERTY OF:  
VT. AGENCY OF TRANS.  
MAINTENANCE DIV.  
IN EMERGENCY CALL:  
DIST. TRANS. OFFICE  
653-1580  
NIGHTS & WEEKENDS: 78-7111  
INTERSECTION NO. MS-524



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

IN EMERGENCY CALL:  
DIST. TRANS. OFFICE  
655-1580

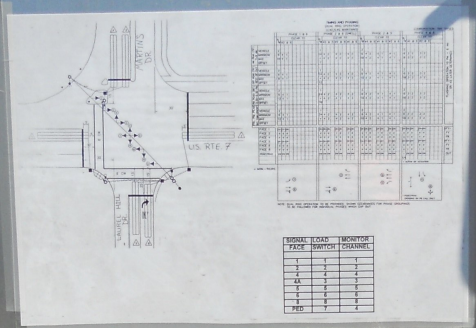
NIGHTS & WEEKENDS: 878-7111

INTERSECTION NO. MS-524

TESI Traffic Engineering And Signal, Inc.  
P.O. Box 2481, Frederick, MD 21705  
(410) 781-8424

TURN ON

11 / 195



**CAUTION**  
HAZARDOUS VOLTAGES EXIST IN THIS CABINET. ALL SERVICE OR ADJUSTMENTS MUST BE DONE BY QUALIFIED PERSONNEL FOR PROPER AND SAFE OPERATION OF THIS CONTROLLER. PERIODIC MAINTENANCE IS REQUIRED. REFER TO THE APPLICABLE SERVICE MANUAL FOR PERIODIC MAINTENANCE AND ADJUSTMENT PROCEDURES. THIS CONTROLLER IS EQUIPPED WITH A CONFLICT MONITOR, INTER-LOCKED TO PREVENT AUTOMATIC OPERATION WHEN THE CONFLICT MONITOR IS REMOVED. DO NOT DEFEAT OR REMOVE THE CONFLICT MONITOR.  
CHECK FOR PROPER OPERATION OF THIS CONFLICT MONITOR AT THE TIME OF INSTALLATION AND AT LEAST EVERY 6 MONTHS THEREAFTER.

FLU FLASH

FLU FLASH

FLU FLASH

FLU FLASH



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

[www.encomwireless.com](http://www.encomwireless.com)

MODEL SSS-85-I/O  
ED IN OUT  
FEL IN IN  
SEN IN IN  
OUT

203

POWER SUPP



DET FLT

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

PR LG L 2

0 0 0 0 0 0 0 0 0 0 0 0

PL SH 0 0 0 0

22

DET FLT

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

PR LG L 2

0 0 0 0 0 0 0 0 0 0 0 0

PL SH 0 0 0 0



LM 22t

SENS 15-HI 10-NORM 5-LO 0-OFF

MODE P L

FREQ 0-HI 1-M-H 2-M-L 3-LO

DET FLT

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

PR LG L 2

0 0 0 0 0 0 0 0 0 0 0 0

PL SH 0 0 0 0



LM 62t

SENS 15-HI 10-NORM 5-LO 0-OFF

MODE P L

FREQ 0-HI 1-M-H 2-M-L 3-LO

DET FLT

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

PR LG L 2

0 0 0 0 0 0 0 0 0 0 0 0

PL SH 0 0 0 0



Model S200 Wireless Modem

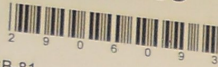
DATA





**Model 5200**

Serial Number



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

www.encomwireless.com

MODEL SSS-86-I/C

RED IN OUT  
YEL IN OUT  
GRN IN OUT

203

1  
2

ON  
OFF

POWER SUPPLY  
FUSES INSIDE



1

DET FLT

SENS 1 2 3 4 5 6 7 8

MODI 1 2 3 4 5 6 7 8

FREQ 1 2 3 4 5 6 7 8

2 22

2

DET FLT

SENS 1 2 3 4 5 6 7 8

MODI 1 2 3 4 5 6 7 8

FREQ 1 2 3 4 5 6 7 8

EDI

LM 60

DET FLT

SENS 15-HI 1 2 3 4 5 6 7 8

10-NORM 4

5-LO 8

0-OFF 8

MODE PR LG

FREQ 0-HI 1

1-M.HI 2

2-M.LO 2

3-LO 2

ECCO

LM 602

DET FLT

SENS 15-HI 1 2 3 4 5 6 7 8

10-NORM 4

5-LO 8

0-OFF 8

MODE PR LG

FREQ 0-HI 1

1-M.HI 2

2-M.LO 2

3-LO 2

ECCO

Model 5200

DATA

ENL

RM

LM

POWER SUPPLY  
FUSES INSIDE

ED1

ECONOLITE

ECONOLITE

Extended Surface Air Filter  
HE10-12X12X1  
Model 8  
Part No. 033720214

Recycle Paper and Paperboard

Frame Made From

AIR FLOW

RESET AFTER MODIFYING SWITCHES

FAULT MONITOR FAIL

RESET POWER MODE INC. PREV. FAIL

AM 553

MIN. FLASH 8 4 2 1 A B

DUAL SEL. OPTIONS A B C D E F

ON ON

ON LOG DISABLE WALK DISABLE

1 2 3 4 5 6

SS1 1 2 3 4 5 6

SS2 7 8 9 10 11 12

ENABLE ENABLE

1 AMP

ECONOLITE CONTROL PRODUCTS, INC.

CUB 200

tsc MODEL 3

F1 MAIN MENU F2 NEXT SCREEN

F3 SUB MENU F4 NEXT DATA

F5 DISPLAY ADJUST F6 NEXT PAGE

F7 STATUS DISPLAY F8 HELP

ENTER

1 2 3

4 5 6

7 8 9

0 CLEAR

ECONOLITE CONTROL PRODUCTS, INC.

TELEMETRY

PORT 2 TELEMETRY

PORT 1 TELEMETRY

SDS

TERMINAL

12.6 VDC W/4 AMP LOG-BLO

INC INC N

Terminal block with green and blue wires.

Terminal block with numerous wires and labels.

12 17 17 17 17 10 118 103

81 81 81 81 81 81 81 81

8 OMT 8 OMT 8 OMT 8 OMT 8 OMT

FL VOLT - TEST

120 120 120 120 120 120

POWER SUPPLY  
FUSES INSIDE

ED1

ECONOLITE

ECONOLITE

CUI

Modem

RESET AFTER MODIFYING SETTINGS

FAULT MONITOR FAIL

RESET POWER MODE INC. PREV. FAIL

MIN. FLASH DUAL SEL. OPTIONS

8421AB ABCDEF

GY ENABLE WD ENABLE VW LATCH L CW LOG DISABE BND DISABE MILK DISABE

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

ENABLE

ECONOLITE CONTROL PRODUCTS, INC.

709 DATE

1 2 3 4 5 6 7 8 9 0

F1 MAIN MENU F2 NEXT SCREEN

F3 SUB MENU F4 NEXT DATA

F5 DISPLAY ADJUST F6 NEXT PAGE

F7 STATUS DISPLAY F8 HELP

ENTER

ECONOLITE CONTROL PRODUCTS, INC.

TELEPHONE

PORT 1

PORT 2

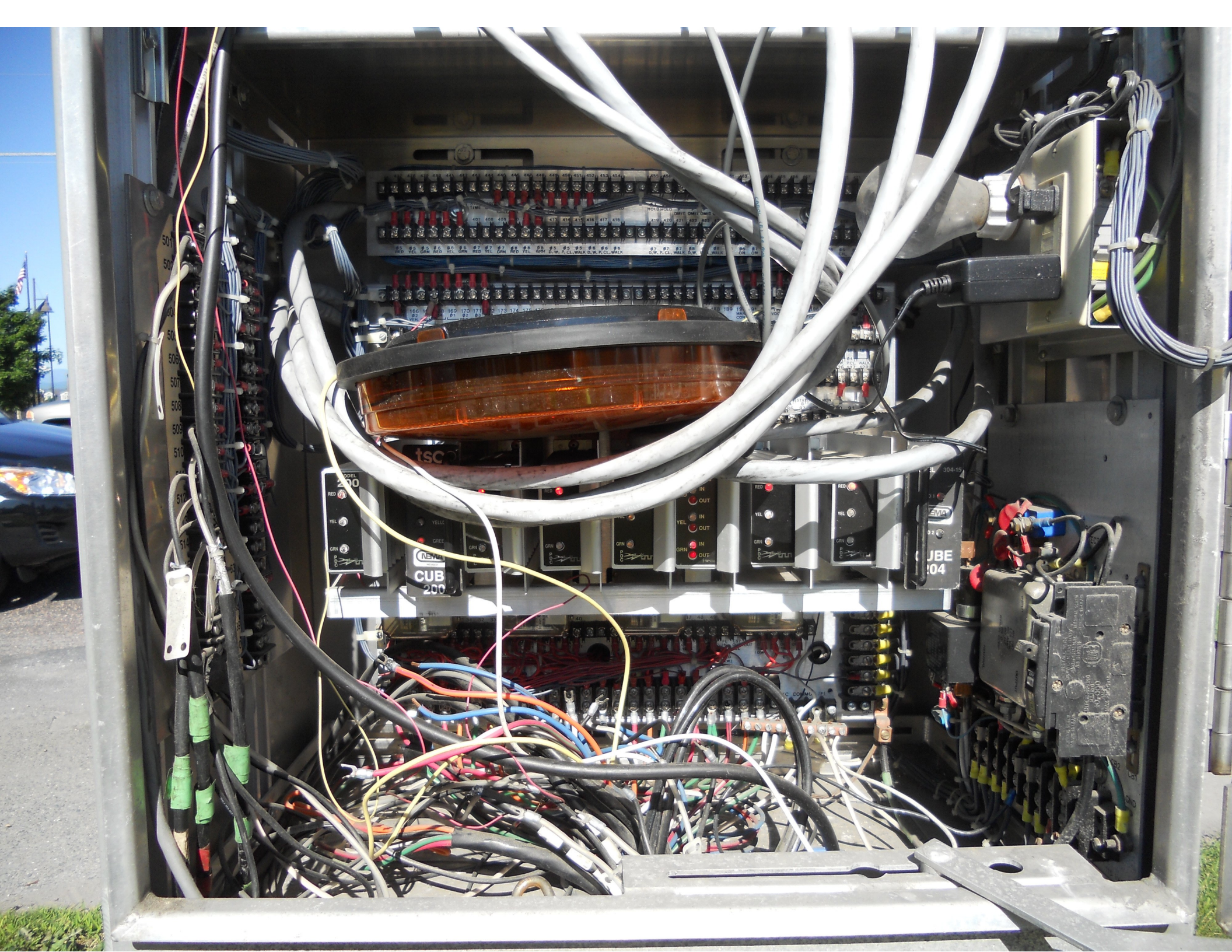
TERMINAL

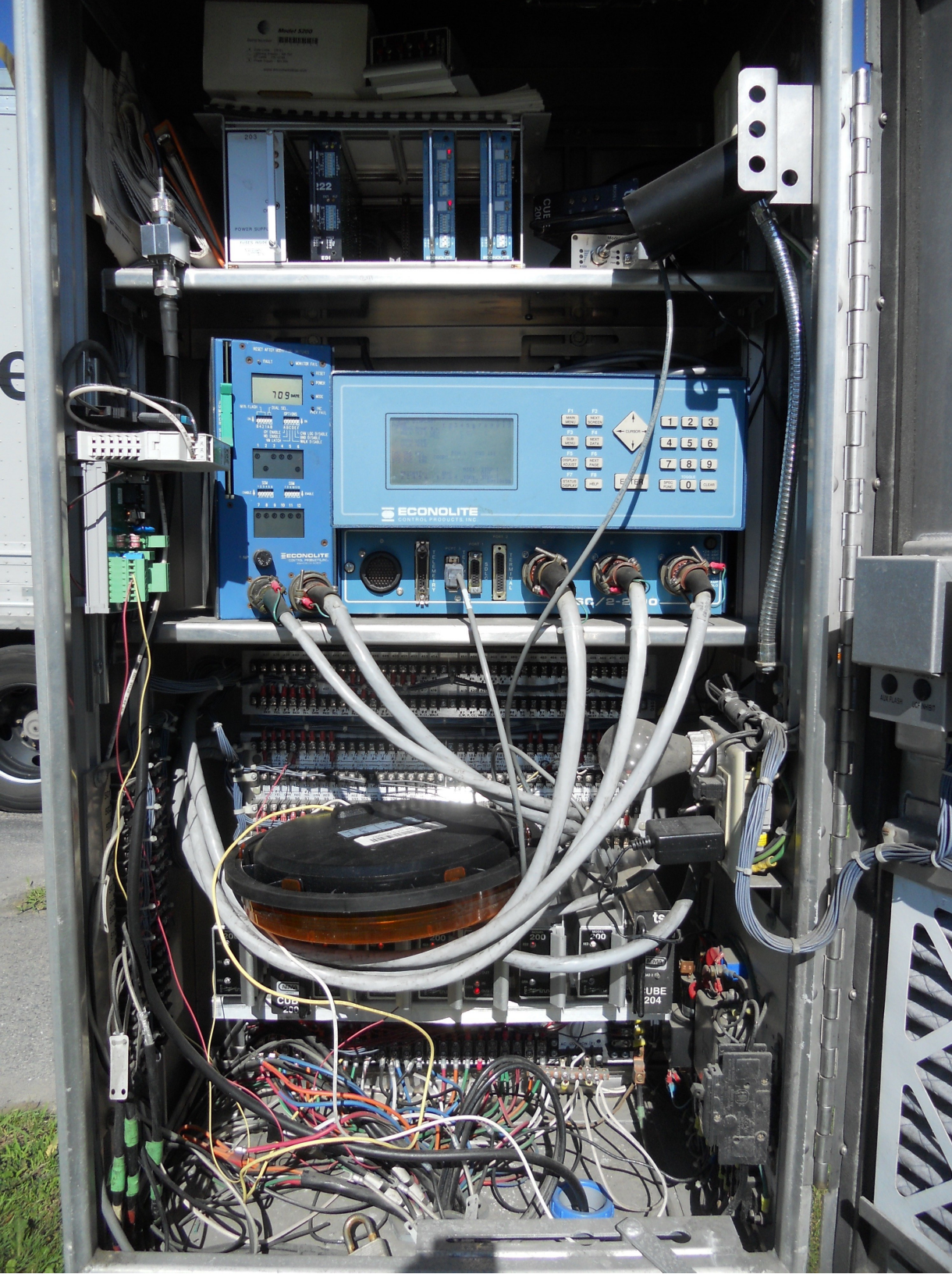
TERMINAL

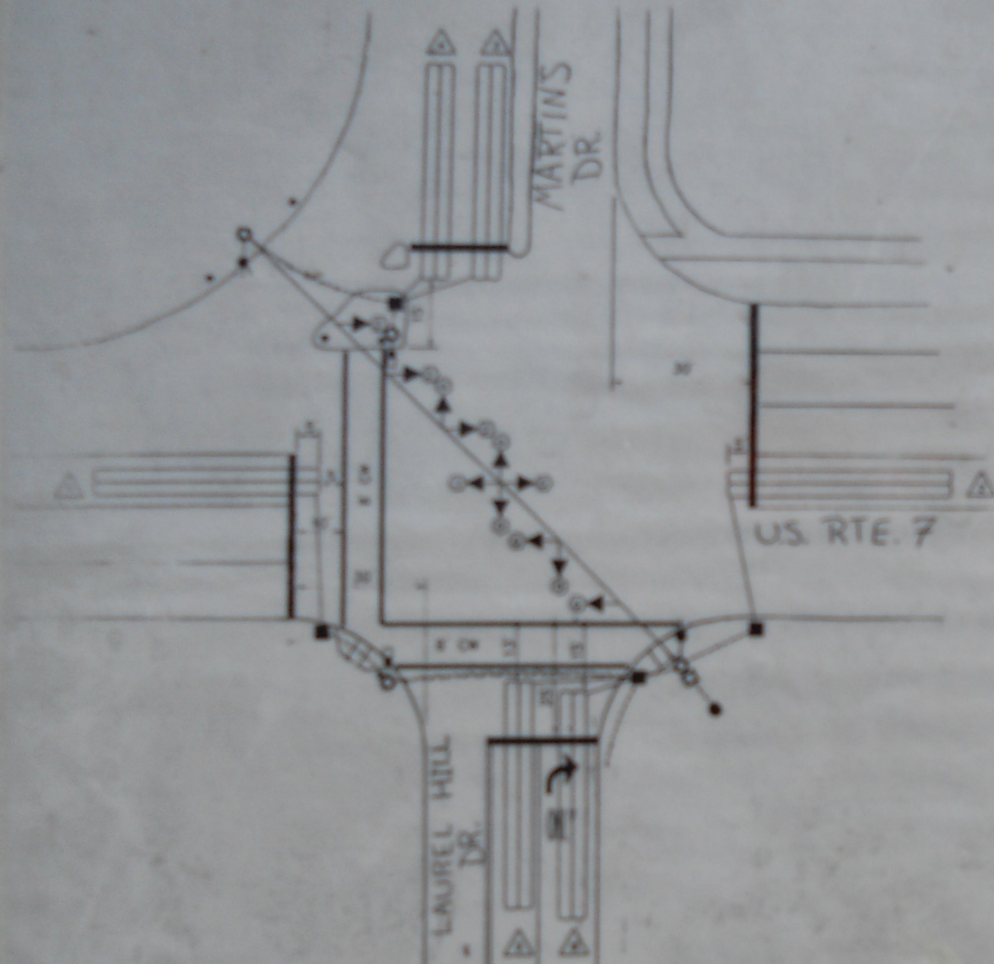
TERMINAL

INC INC N

Terminal block with green and blue connectors and various colored wires.







TRAFFIC SIGNAL PHASING  
 SIGNAL PHASING OPERATIONS  
 SIGNALS MAINTAINED

PHASE	PHASE 1 & 2				PHASE 3 & 4 (SMALL)				PHASE 5 & 6				COMBINATION PHASING			
	CLEAR TO				CLEAR TO				CLEAR TO				CLEAR TO			
	N	S	E	W	N	S	E	W	N	S	E	W	N	S	E	W
VEHICLE																
BIKE																
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HAZARD OF ELECTRICAL SHOCK OR BURN. SERVICE BY UTILITY AUTHORIZED PERSONNEL ONLY. DO NOT PAINT OVER OR REMOVE THIS LABEL. SEE DATA SHEET FOR TECHNICAL SPECIFICATIONS AT WWW.ABB.COM



DO NOT REMOVE THIS LABEL  
REMOVING THIS LABEL WILL VOID THE WARRANTY





ONLY



ONLY







ONLY ONLY ONLY





RIGHT  
TURN  
SIGNAL



HANNAFORDS DR P  
V  
T







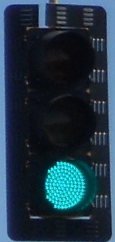
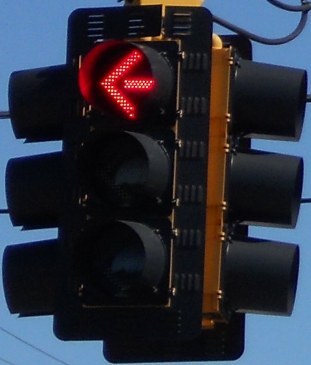




UNION METAL CORPORATION

















SHELBURNE RD

LAUREL HILL DR



NO PARKING  
ANY TIME

SHAWNEE RD

Public Works

7













06A-16.1-341  
UNION METAL







Coordination Patterns

```

-----
Pattern 1
Cycle Length . . . 98  COS . . . . . 111
Offset . . . . . 0
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 11 2- 61 3- 0 4- 25
          Phase 5- 14 6- 58 7- 0 8- 25
          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 . . . . . . . . . . .
Ped Recall . . . . . . . . . . .
Veh Omit . . . . . . . . . . .
Alt Sequence . . A: . B: . C: . D: . E: . F: .
-----
    
```

```

-----
Pattern 2
Cycle Length . . . 96  COS . . . . . 211
Offset . . . . . 0
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 11 2- 56 3- 0 4- 29
          Phase 5- 13 6- 54 7- 0 8- 29
          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 . . . . . . . . . . .
Ped Recall . . . . . . . . . . .
Veh Omit . . . . . . . . . . .
Alt Sequence . . A: . B: . C: . D: . E: . F: .
-----
    
```

```

-----
Pattern 3
Cycle Length . . . 106 COS . . . . . 311
Offset . . . . . 0
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 11 2- 72 3- 0 4- 23
          Phase 5- 13 6- 70 7- 0 8- 23
          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 . . . . . . . . . . .
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	0930	2	NO
3	1	1430	3	NO
4	1	1900	2	NO
5	1	0000	0	NO
6	2	0600	2	NO
7	2	0000	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 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
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    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 . . . . .	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 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

-----  
 Step 6            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

-----

TOD Program Steps

-----

Step 7            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 . . . . .	.	.	.	.	.	.

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