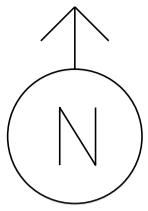


MS # 571



VT 2A NORTH

- ☐ PREEMPTION DETECTOR
- ☐ PREEMPTION STROBE
- ☒ CONTROL BOX
- MAST ARM
- LOOP DETECTION
- ☐ JB JUNCTION BOX
- ☉ LUMINAIRE
- STANCHION
- ROADWAY SIGN
- Ⓚ =
- Ⓢ =
- Ⓤ =

I-89 NB ON RAMP

I-89 NB OFF RAMP

6

6

ONLY

8

8

ONLY

8

9

9

9

5 B

2

8

8

8

Ⓢ

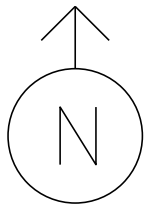
●

5

2

VT 2A SOUTH

MS # 571



VT 2A NORTH

I-89 NB ON RAMP

I-89 NB OFF RAMP

11'

11'

12'

12'

LANE LINE 495'

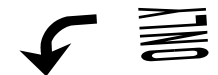


STOP BAR 26'



15'

LANE LINE 175'



12'

STOP BAR 40'

18'

STOP BAR 22'

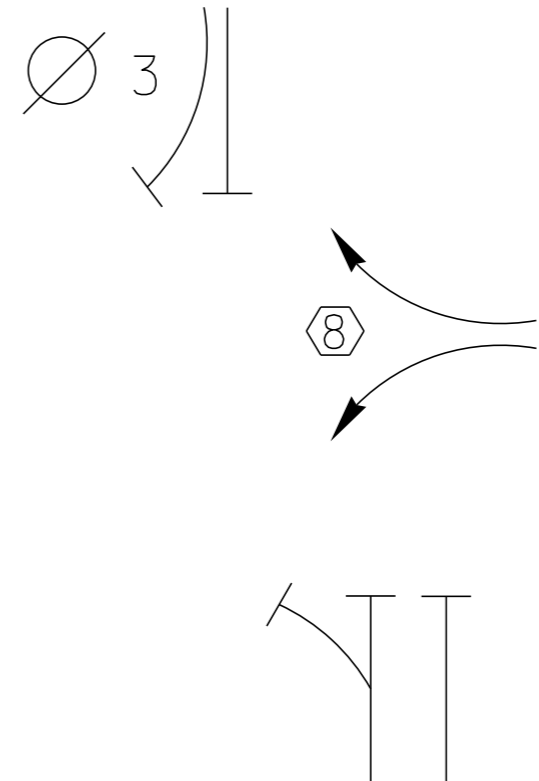
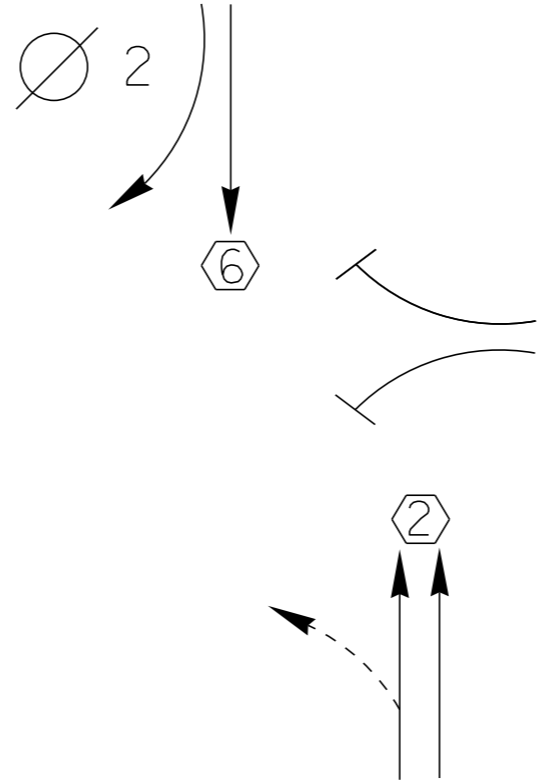
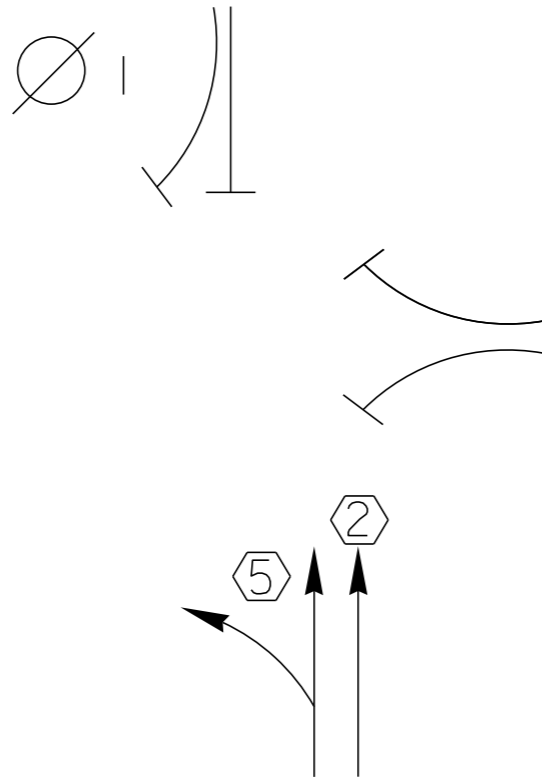
12'

10'

LANE LINE ---'

VT 2A SOUTH

D  
I  
A  
G  
R  
A  
M



TIMING

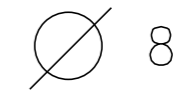
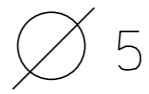
G =  
Y =

G =  
Y =

G =  
Y =

G =  
Y =

D  
I  
A  
G  
R  
A  
M



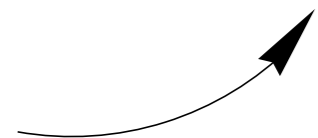
TIMING

G =  
Y =

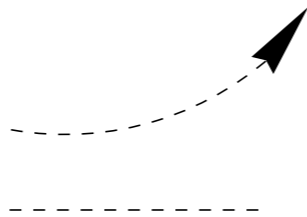
G =  
Y =

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

NIGHT & WEEKENDS:

INTERSECTION NO.

[REDACTED]

[REDACTED]

[REDACTED]

**WARNING**  
DO NOT OPERATE  
CABINET WITHOUT  
CMU / MMU

TURN ON  
12 10 01

**DANGER**  
115 VOLTS A.C.

CONTROLLER  
ON  
OFF

SIGNALS  
AUTO  
FLASH

MAIN  
ON  
OFF

STOP TIME  
AUTO  
OFF  
ON

12 10 01

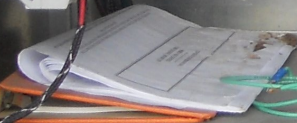
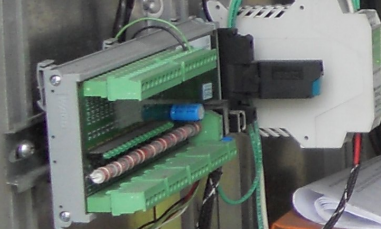
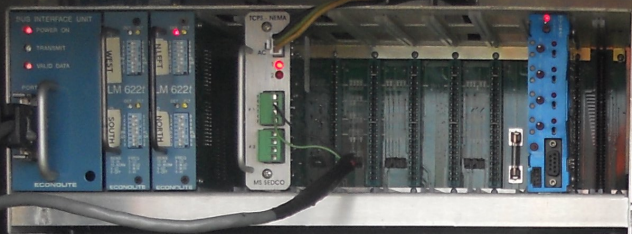
SECONOLITE

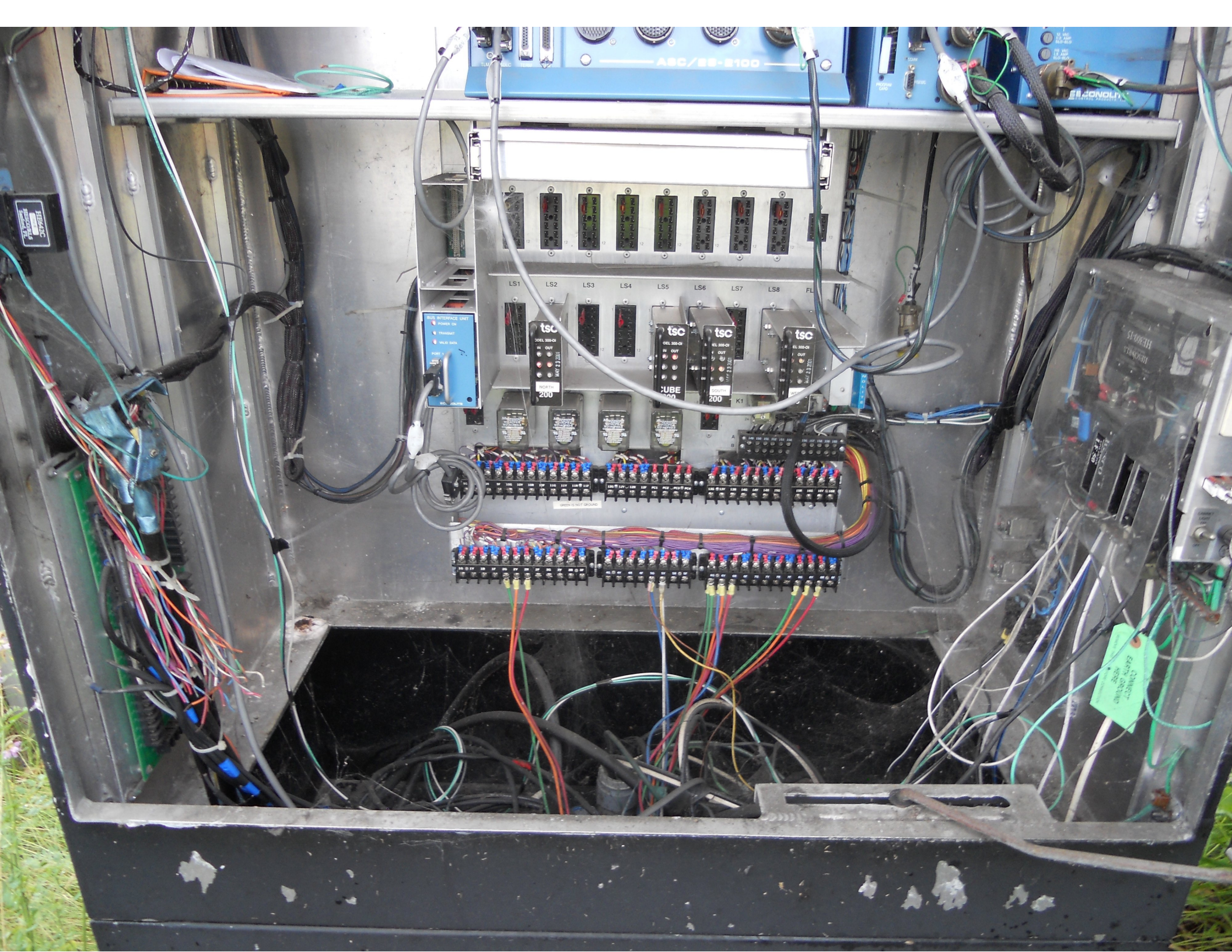
WARRANTY

SECONOLITE

TURN ON

12 10 01





ABC/BB-2100

REL 300-01  
REL 300-02  
REL 300-01  
REL 300-02  
REL 300-01  
REL 300-02  
REL 300-01  
REL 300-02

LS1 LS2 LS3 LS4 LS5 LS6 LS7 LS8 FL

RUE INTERFACE UNIT  
POWER ON  
TRANSMIT  
REC'D DATA  
PORT 1  
tsc-100-010

tsc  
REL 300-01  
IN OUT  
NORTH 200  
MW 23200

tsc  
REL 300-01  
IN OUT  
SOUTH 200  
MW 23200

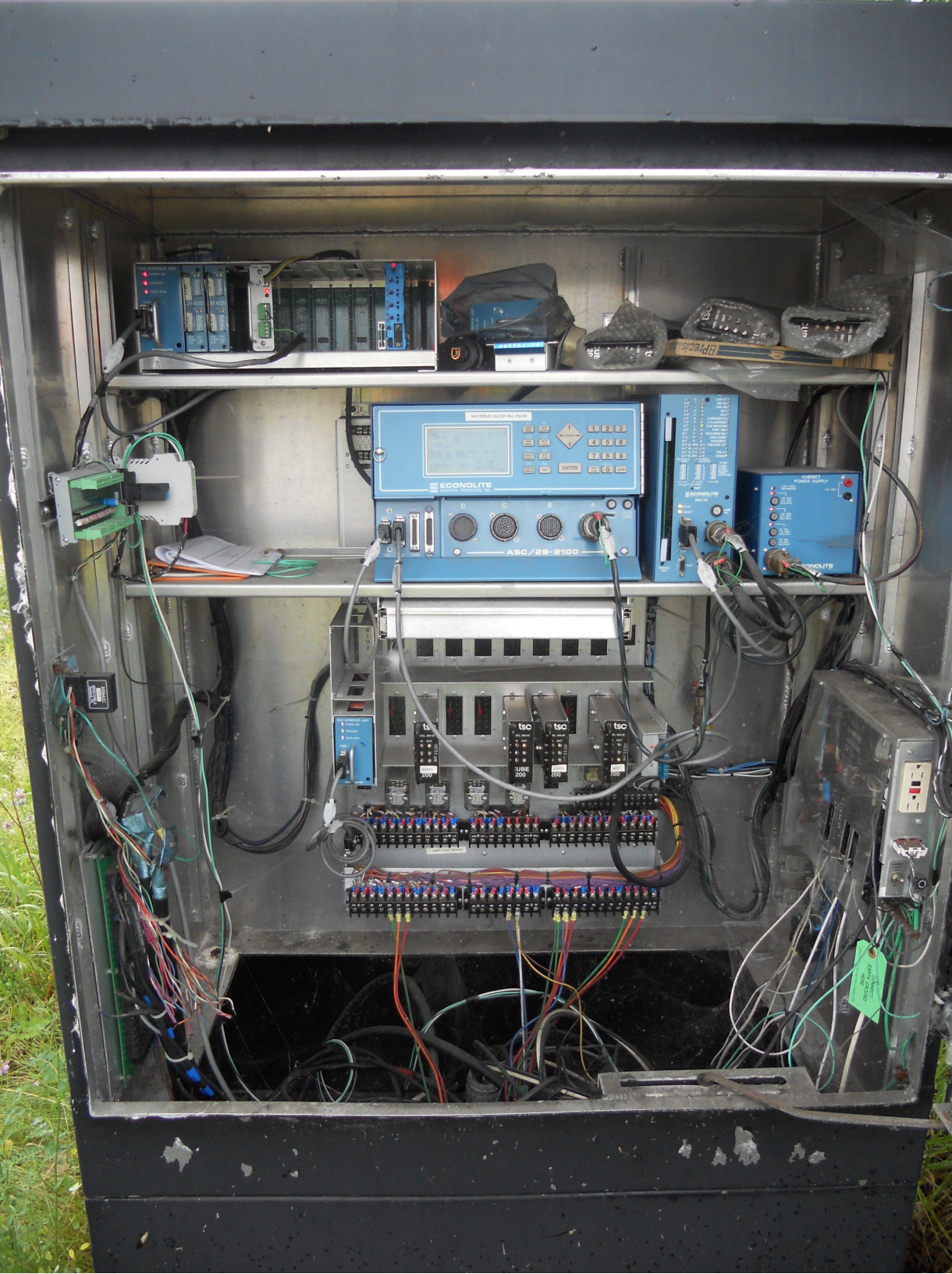
tsc  
REL 300-01  
IN OUT  
K1  
MW 23200

tsc  
REL 300-01  
IN OUT  
K2  
MW 23200

100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120  
121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140  
141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160

100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120  
121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140  
141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160

CONNECTOR  
100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160









LEFT TURN  
YIELD  
ON GREEN

SUNOCO

369  
379  
389

SPEED  
LIMIT





WE-15.0X32

7E-9.61X55

55KSI

2001

UNION METAL CORPORATION



Con-way  
TRUCK

ONLY ONLY

ONLY ONLY







↑  
↗  
ONLY

89

St. Joseph









89 SOUTH  
←

2A TO 116  
↓

RIGHT TURN  
ON RED  
AFTER  
STOPPING

ONLY ↑





2E-11.0X32  
2E-8.0X35  
55KSI  
2001  
ALUMINUM METAL CORPORATION





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Google earth





Coordination Patterns

```

-----
Pattern 1
Cycle Length . . . 84  COS . . . . . 111
Offset . . . . . 5
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 0 2- 59 3- 0 4- 0
          Phase 5- 14 6- 45 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 . . . 88  COS . . . . . 211
Offset . . . . . 21
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 0 2- 61 3- 0 4- 0
          Phase 5- 11 6- 50 7- 0 8- 27
          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 . . . 96  COS . . . . . 311
Offset . . . . . 30
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 0 2- 78 3- 0 4- 0
          Phase 5- 11 6- 67 7- 0 8- 18
          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 . . . . . . . . . . . . .
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	1000	2	NO
3	1	1430	3	NO
4	1	1900	2	NO
5	1	2200	0	NO
6	2	0600	1	NO
7	2	0900	3	NO
8	2	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 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
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 . . . . .  
 -----

Step 2            Program 1            Step Begins    1000

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	X	X	.	.	.	.
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 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	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    1900

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	X	X	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	X	.	.	.	X	.	.	.	.	.	.
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 1            Step Begins    2200

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 . . . . .  
 -----

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 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
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 7            Program 2            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	X	X	.	.	.	.
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 8            Program 2            Step Begins    2200

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  
 -----