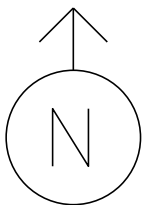


MS # 603



US 302 WEST

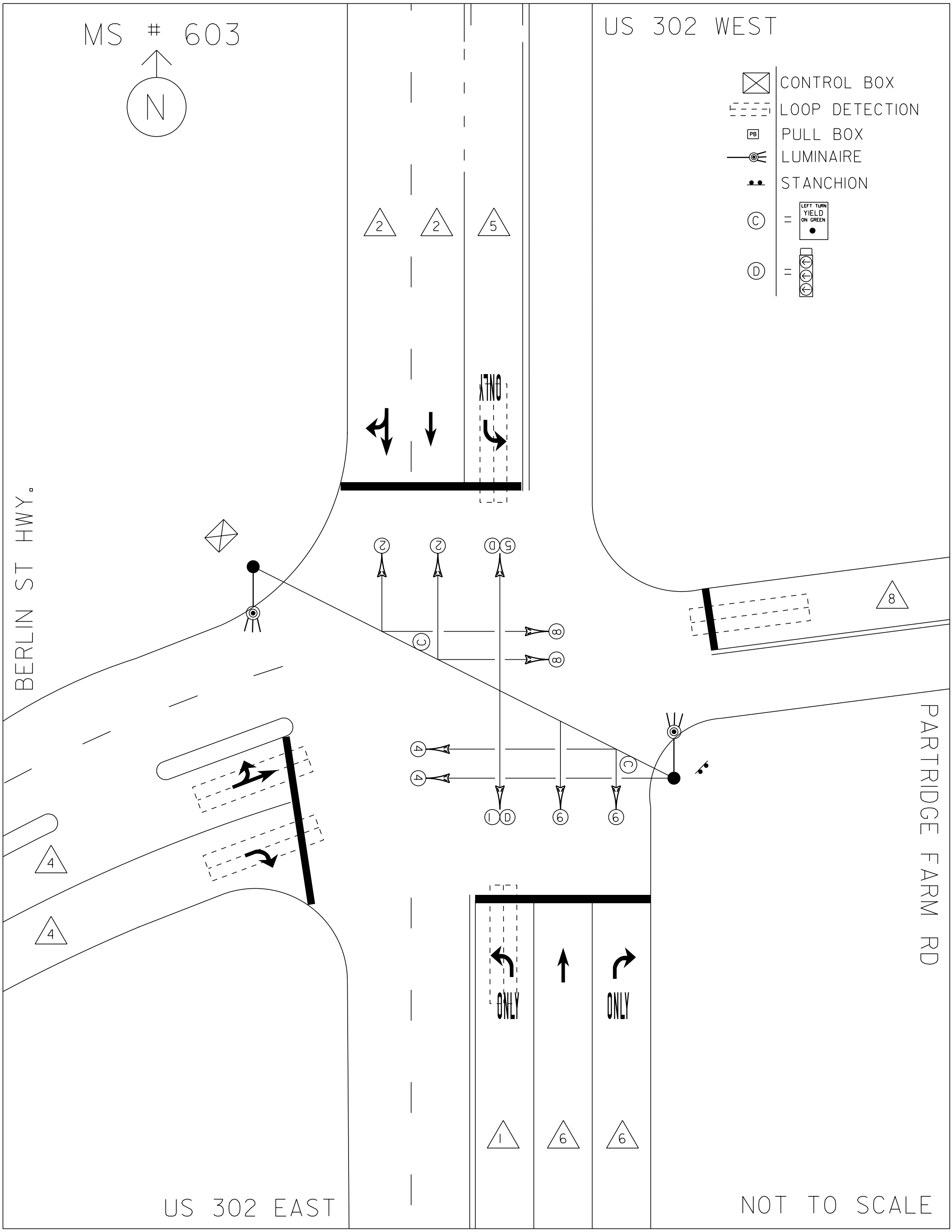
-  CONTROL BOX
-  LOOP DETECTION
-  PULL BOX
-  LUMINAIRE
-  STANCHION
-  = 
-  = 

BERLIN ST HWY.

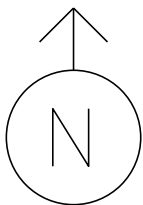
PARTRIDGE FARM RD

US 302 EAST

NOT TO SCALE



MS # 603

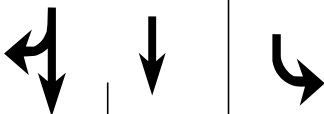


US 302 WEST

12' 12' 12' 14'

LANE LINE 100'

ONLY



STOP BAR 36'

BERLIN ST HWY.

STOP BAR 30'

16'

12'

12'

16'

14'

LANE LINE 150'

STOP BAR 50'



STOP BAR 36'

ONLY



ONLY

LANE LINE 110'

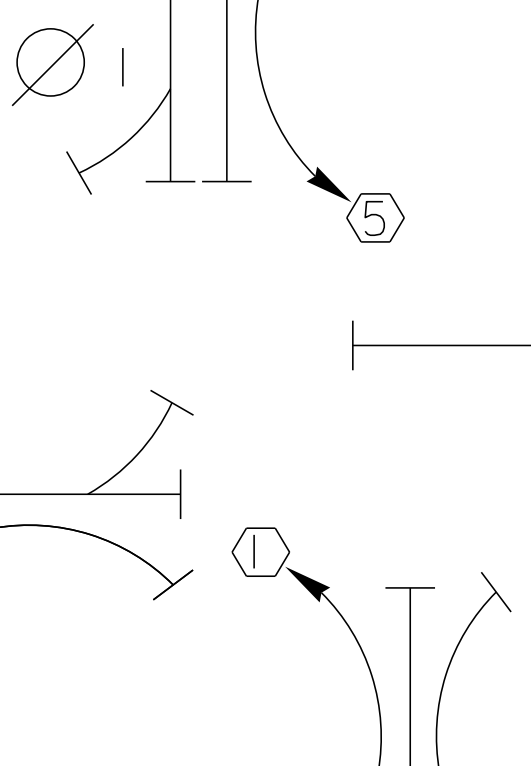
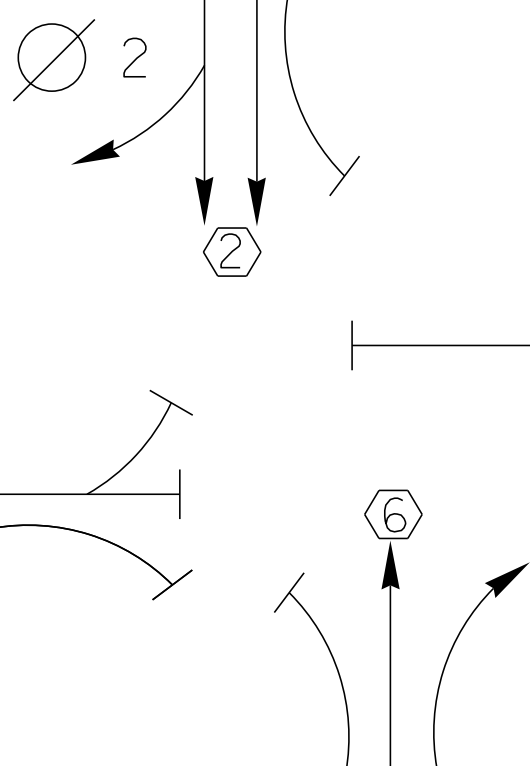
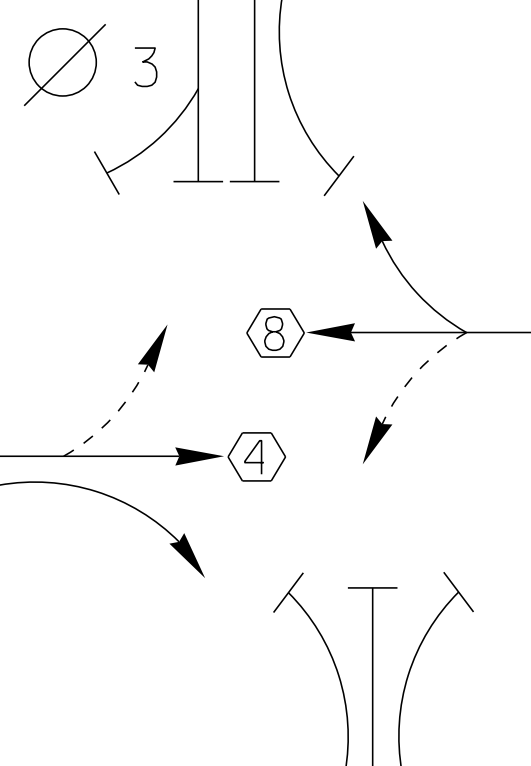
LANE LINE 440'

PARTRIDGE FARM RD

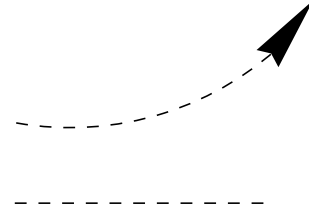
US 302 EAST

12' 12' 12' 12' 12'

NOT TO SCALE

D I A G R A M N ↑	 Diagram showing protected left turn movement for phase 1. A north arrow points up. A horizontal road (US 302) has a left-turn lane with a protected arrow. A vertical road (Berlin St) has a left-turn lane with a protected arrow. A hexagon with the number 1 is in the intersection. A hexagon with the number 5 is at the end of the left-turn lane on the vertical road.	 Diagram showing protected left turn movement for phase 2. A north arrow points up. A horizontal road (US 302) has a left-turn lane with a protected arrow. A vertical road (Berlin St) has a left-turn lane with a protected arrow. A hexagon with the number 2 is in the intersection. A hexagon with the number 6 is at the end of the left-turn lane on the vertical road.	 Diagram showing protected left turn movement for phase 3. A north arrow points up. A horizontal road (US 302) has a left-turn lane with a protected arrow. A vertical road (Berlin St) has a left-turn lane with a protected arrow. A hexagon with the number 3 is in the intersection. A hexagon with the number 4 is at the end of the left-turn lane on the vertical road.	 Diagram showing protected left turn movement for phase 4. A north arrow points up. A horizontal road (US 302) has a left-turn lane with a protected arrow. A vertical road (Berlin St) has a left-turn lane with a protected arrow. A hexagon with the number 4 is in the intersection. A hexagon with the number 8 is at the end of the left-turn lane on the vertical road.
TIMING	G = Y =	G = Y =	G = Y =	G = Y =
D I A G R A M	 Diagram showing protected left turn movement for phase 5. A north arrow points up. A horizontal road (US 302) has a left-turn lane with a protected arrow. A vertical road (Berlin St) has a left-turn lane with a protected arrow. A hexagon with the number 5 is in the intersection. A hexagon with the number 1 is at the end of the left-turn lane on the vertical road.	 Diagram showing protected left turn movement for phase 6. A north arrow points up. A horizontal road (US 302) has a left-turn lane with a protected arrow. A vertical road (Berlin St) has a left-turn lane with a protected arrow. A hexagon with the number 6 is in the intersection. A hexagon with the number 2 is at the end of the left-turn lane on the vertical road.	 Diagram showing protected left turn movement for phase 7. A north arrow points up. A horizontal road (US 302) has a left-turn lane with a protected arrow. A vertical road (Berlin St) has a left-turn lane with a protected arrow. A hexagon with the number 7 is in the intersection. A hexagon with the number 3 is at the end of the left-turn lane on the vertical road.	 Diagram showing protected left turn movement for phase 8. A north arrow points up. A horizontal road (US 302) has a left-turn lane with a protected arrow. A vertical road (Berlin St) has a left-turn lane with a protected arrow. A hexagon with the number 8 is in the intersection. A hexagon with the number 4 is at the end of the left-turn lane on the vertical road.
TIMING	G = Y =	G = Y =	G = Y =	G = Y =

 PROTECTED
TURNS

 PERMITTED
TURNS
PEDESTRIAN

CYCLE LENGTH, C= _____ S



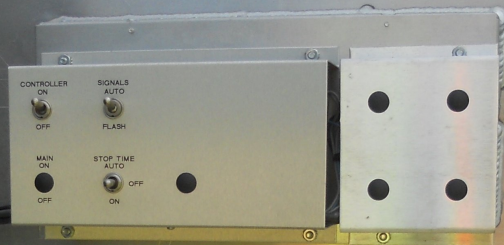
TURNED ON
8.21.01

DANGER

115 VOLTS A.C.

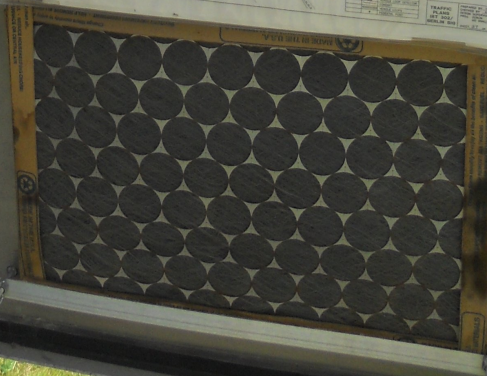
WARNING

DO NOT OPERATE
CABINET WITHOUT
CMU / MMU



Loops

BROWN- ϕ 1 NBLT
RED- ϕ 4 EB
BLACK- ϕ 5 SBLT
BLUE- ϕ 8-WB



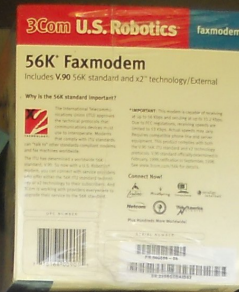
2005 AVERAGE
WEEKDAY TRAFFIC
** DHV - 2009 DESIGN HOUR
VOLUME /% TRUCKS

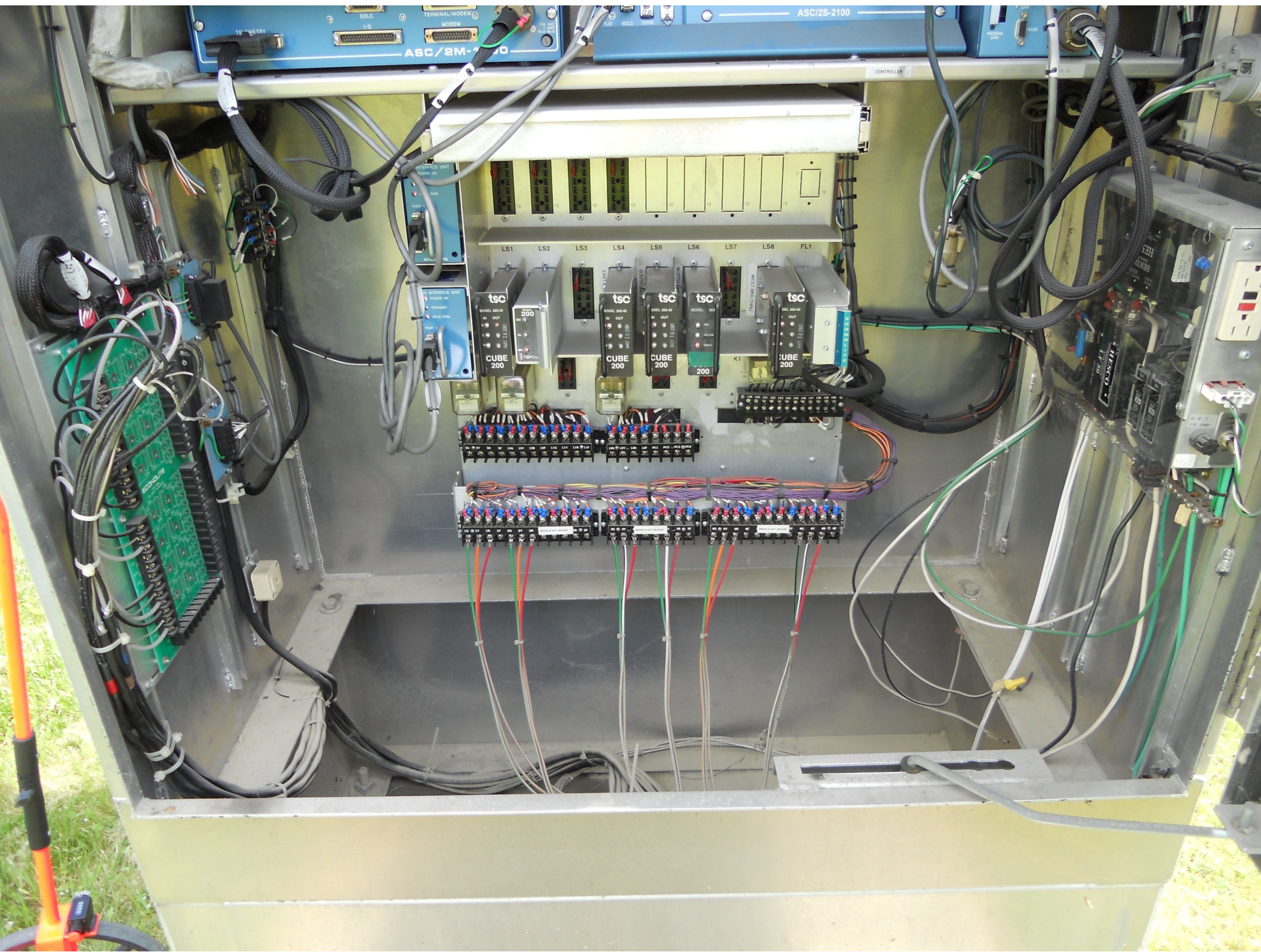
AM	OFF	PM	DHV**
8	18	12	13/9
387	565	519	566/3
90	198	139	152/4

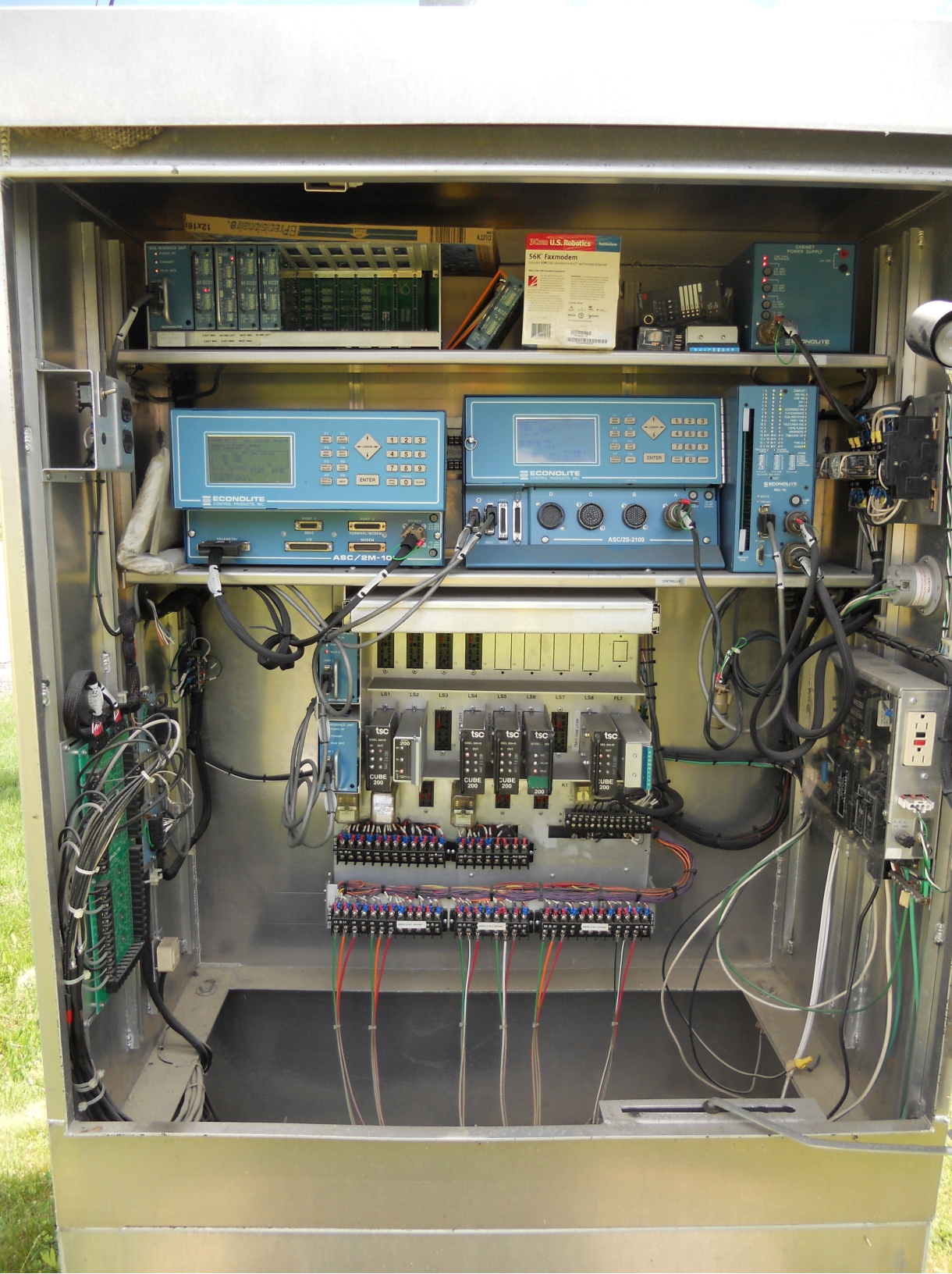
VEHICLE LOAD DETECTORS								TEST RESULTS				
LANE	LOOP NO.	SIZE	TYPE	NO. TURNS	CALL #	MODE	AMP	INDUCTANCE (uH)		RESISTANCE (ohms)		TWO LEAKAGE TO GROUND
								CALCULATED	MEASURED	CALCULATED	MEASURED	
U.S. RT. 302. NB LT.	8	8'x40'	QUAD	2	3	PRESIDE	NON-CAL	353		0.78		
U.S. RT. 302. NB RT.	8	8'x40'	QUAD	2	3	PRESIDE	NON-CAL	283		1.28		
PANTIDGE ROAD	8A	8'x40'	QUAD	2	4	PRESIDE	NON-CAL	307		0.79		
PANTIDGE ROAD	8B	8'x40'	QUAD	2	4	PRESIDE	NON-CAL	363		0.79		
DEBLYN HWY. LT/TH	4A	8'x40'	QUAD	2	4	PRESIDE	NON-CAL	192		0.83		
DEBLYN HWY. RT	4B	8'x40'	QUAD	2	4	PRESIDE	NON-CAL	363		0.79		
DEBLYN HWY. RT	4C	8'x40'	RECT-4	2	4	PRESIDE	NON-CAL	180		0.83		
DEBLYN HWY. RT	4D	8'x40'	RECT-4	4	4	PRESIDE	NON-CAL	180		0.83		

ALL CALCULATED VALUES ARE IN THE CONTROLLER
MEASURED VALUES MUST BE FILED IN PRIOR TO TEST PERIOD





















↑ MONTPELIER 3
↑ E. MONTPELIER 6

WEST

302

PARTRIDGE FARM RD

FOR LEASE
802-223-9571

BEGIN

CENTER
LANE



SPEED
LIMIT
40

DEVELOPER'S
SPECIAL
LAND

MODEL HOMES

VILLAGE HOMES
★ QUALITY MANUFACTURED HOMES ★

Single Wide • Double Wide • Modular
Land and Site Developers

223-9571
GoVillageHomes.com
149 Partridge Road, Berlin, VT 05647-2338

DANGER
HAZARD OF ELECTRICAL SHOCK
OR BURN IF COVER REMOVED
SERVICE BY UTILITY
AUTHORIZED PERSONNEL ONLY
DO NOT PAINT OVER OR REMOVE THIS LABEL
F44229-MG, REV. 1



DANGER
HAZARD OF ELECTRICAL SHOCK
OR BURN IF COVER REMOVED
SERVICE BY UTILITY
AUTHORIZED PERSONNEL ONLY
DO NOT PAINT OVER OR REMOVE THIS LABEL
F44229-MG, REV. 1

ABB



Rr
13 $\frac{8}{9}$

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

01M0126G01



SINGLE-STATOR WATTHOUR METER
TYPE AB1 S. 5570C20G38

2A

FORM

2S

200 CL

240 V

3 W

60 HZ.

TA 30

Kh 7.2

ABB

G.M.P.
203 262

MADE
IN
U.S.A.



*ACG012616659

12 616 659























Dimming:

[illegible]

Coordination Patterns

Pattern 1

Cycle Length . . . 80 COS 111

Offset 0

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

Vehicle Perm 2 Displacement 0 Phase Reservice. . NO

Splits: Phase 1- 19 2- 38 3- 0 4- 23

Phase 5- 19 6- 38 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 . . X . . X

Ped Recall

Veh Omit

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

Pattern 2

Cycle Length . . . 80 COS 211

Offset 0

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

Vehicle Perm 2 Displacement 0 Phase Reservice. . NO

Splits: Phase 1- 18 2- 36 3- 0 4- 26

Phase 5- 18 6- 36 7- 0 8- 26

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- 18 2- 35 3- 0 4- 27

Phase 5- 18 6- 35 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 . . X . . X

Ped Recall

Veh Omit

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

.....

[illegible]

	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	2	NO
2	1	0700	1	NO
3	1	0900	2	NO
4	1	1530	3	NO
5	1	1730	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	.	X	.	.	.	X	.	.	.	.	.	.
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 0700

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

	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	.	.	.	.	.	.	.	.	.	.	.	.
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 1530

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	.	.	.	.	.	.

