MS # 556

VT 15 WEST

PEDESTAL POST
PEDESTRIAN SIGNAL
L.E.D REGULATORY SIGN
CONTROL BOX
COORDINATION
LOOP DETECTION
PULL BOX
LUMINAIRE
ROADWAY SIGN

ESSEX WAY

ONLY

ONLY

ONLY

ONLY

A =
B =
F = NO TURN ON RED
Q =

NOT TO SCALE

VT 15 EAST

MS # 556

N

VT 15 WEST

11′

11′

12′

ONLY

LANE LINE 175′

ESSEX WAY

STOP BAR 24′

CROSSWALK 60′

CROSSWALK 34′

16′

CROSSWALK 36′

12′

ONLY

LANE LINE 135′

12′

ONLY

STOP BAR 25′

STOP BAR 24′

ONLY

LANE LINE 205′

12′

12′

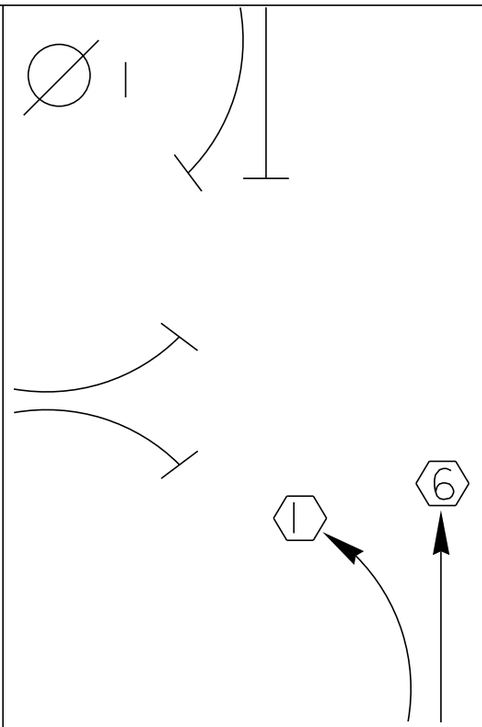
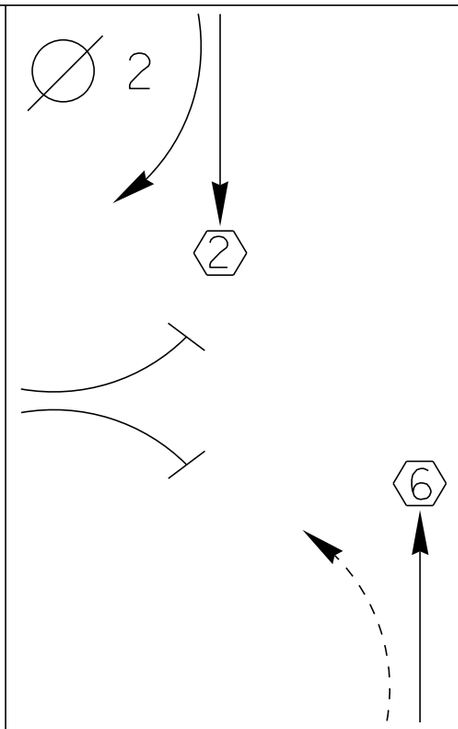
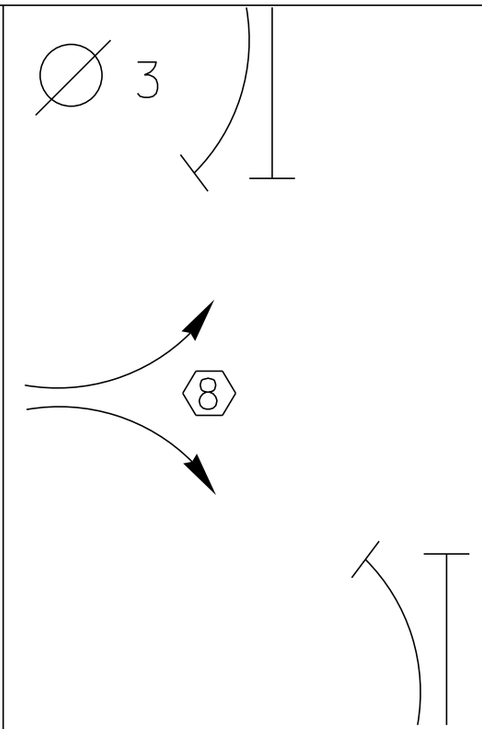
13′

NOT TO SCALE

VT 15 EAST

INTERSECTION : VT 15 & ESSEX WAY

MS # 556

DIAGRAM N	∅ 1  	∅ 2  	∅ 3  	∅ 4
TIMING	G = Y =	G = Y =	G = Y =	G = Y =
DIAGRAM	∅ 5	∅ 6	∅ 7	∅ 8
TIMING	G = Y =	G = Y =	G = Y =	G = Y =

PROTECTED TURNS

PERMITTED TURNS

PEDESTRIAN

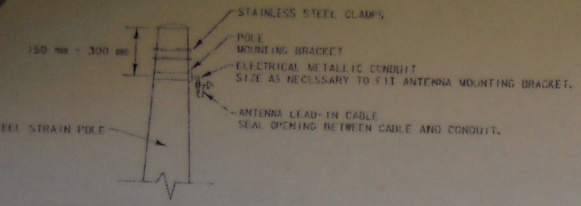
CYCLE LENGTH, C= _____ S


PROPERTY OF :
VT. AGENCY OF TRANS.
MAINTENANCE DIV.
IN EMERGENCY CALL :
DIST. TRANS. OFFICE
656-1580
NIGHTS & WEEKENDS : 878-7111
INTERSECTION NO. MS-659

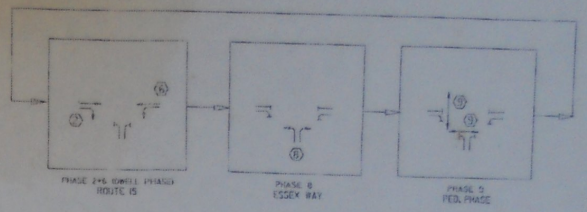

PROPERTY OF :
VT. AGENCY OF TRANS.
MAINTENANCE DIV.
IN EMERGENCY CALL :
DIST. TRANS. OFFICE
655-1580
NIGHTS & WEEKENDS : 878-7111
INTERSECTION NO. MS-556
Master


AUTO
FLASH
DANGER
115 VOLTS A.C
WARNING
DO NOT OPERATE
CABINET WITHOUT
CMU / MMU
ECONOLITE

Metric

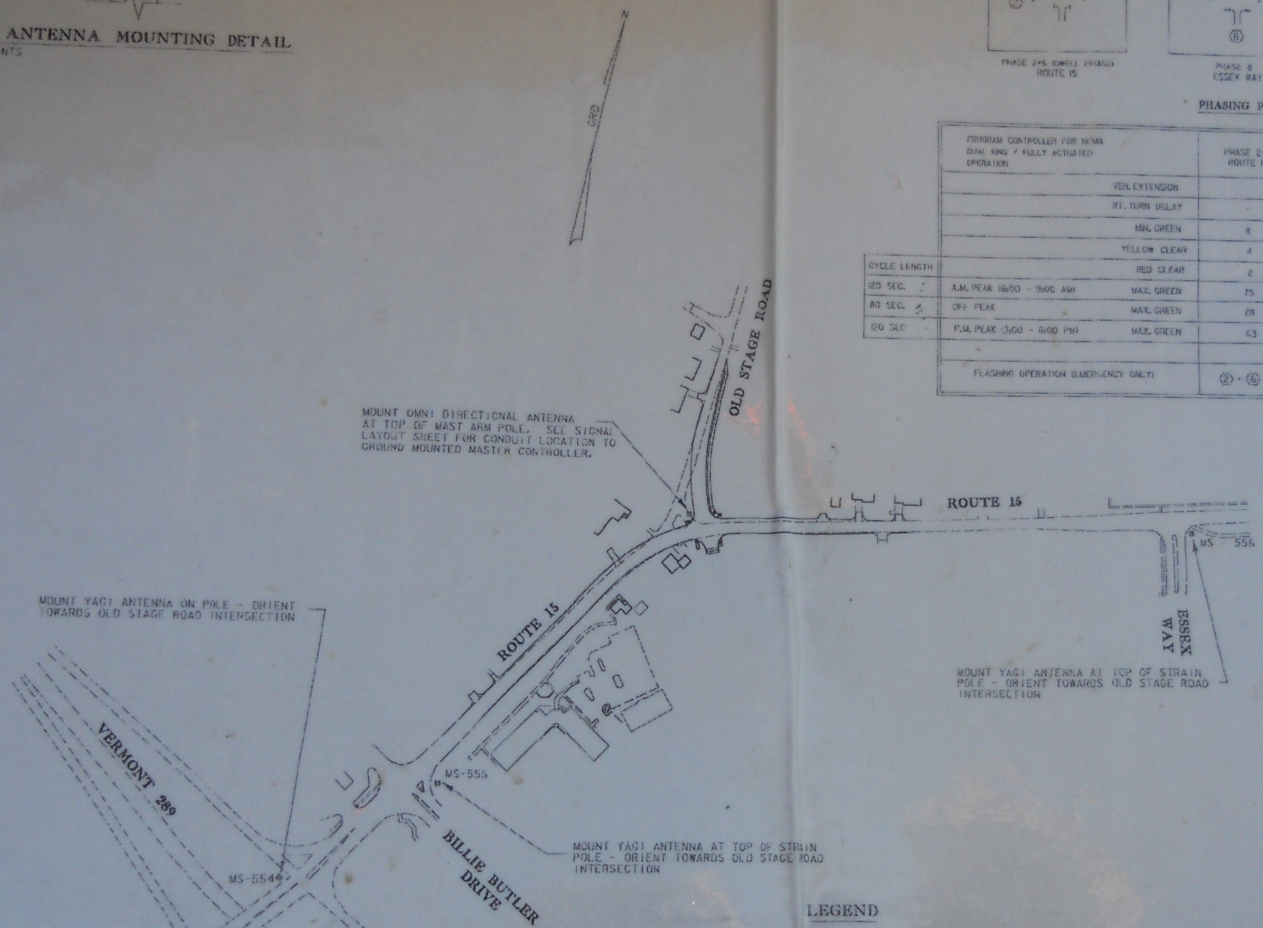


ANTENNA MOUNTING DETAIL
NTS



PHASING PLAN

PROGRAM CONTROLLER FOR NEMA DUAL RING / FULLY ACTUATED OPERATION		PHASE 2+6 ROUTE 15	PHASE 8 ESSEX WAY	PHASE 9 PEDESTRIAN		
	PED EXTENSION		1			
	RT. TURN DELAY	-	5	-		
	MIN. GREEN	8	7	-		
	YELLOW CLEAR	4	4	-		
CYCLE LENGTH	RED CLEAR	2	2	MAN (WALK)	FLASHING HAND	HAND
120 SEC.	A.M. PEAK (6:00 - 9:00 AM) MAX. GREEN	75	13	4	14	2
80 SEC.	OFF PEAK MAX. GREEN	28	20	4	14	2
120 SEC.	P.M. PEAK (3:00 - 6:00 PM) MAX. GREEN	63	25	4	14	2
FLASHING OPERATION (EMERGENCY ONLY)		②+⑥ FY	⑧ FR	BLANK		



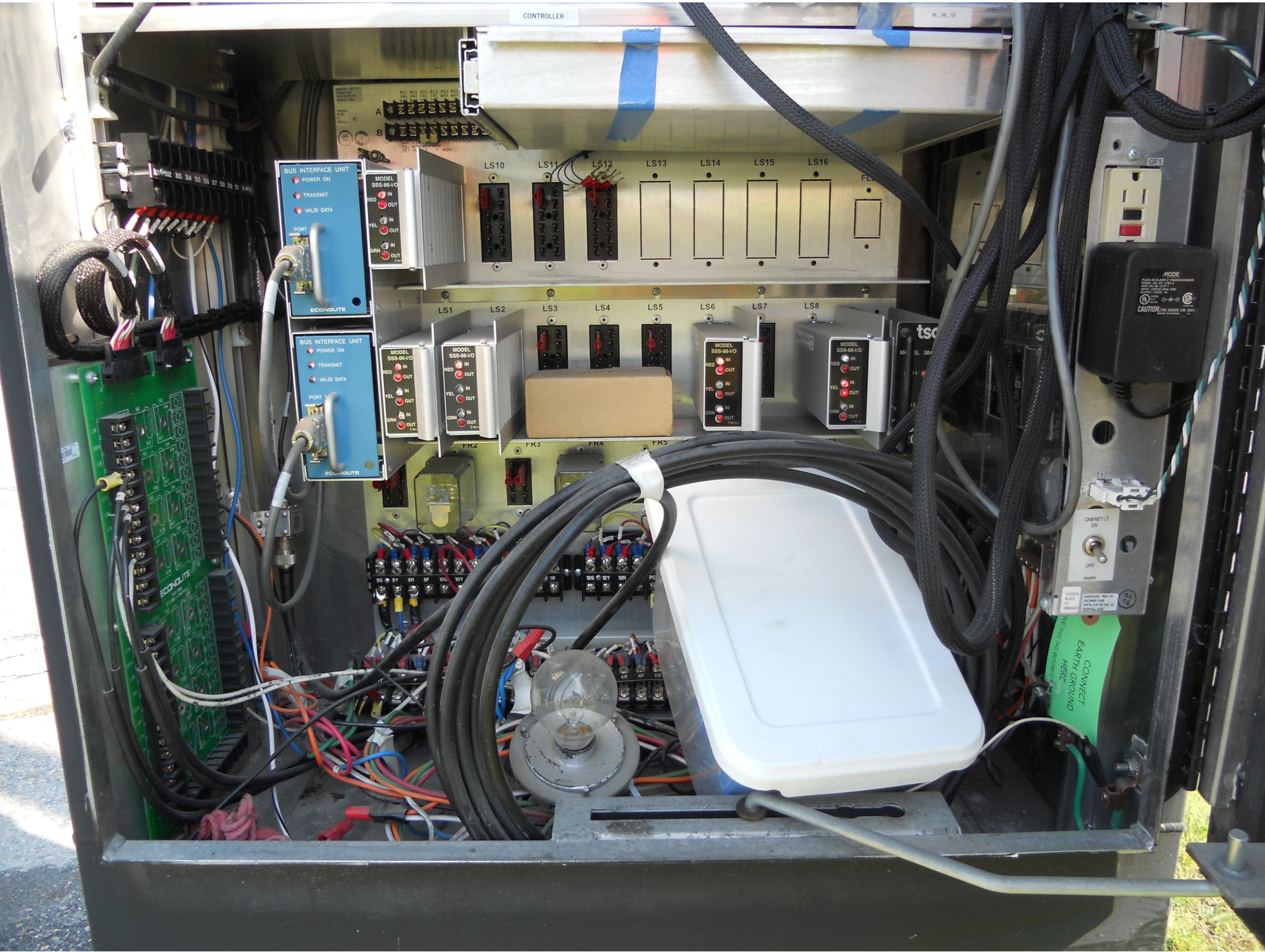
LEGEND

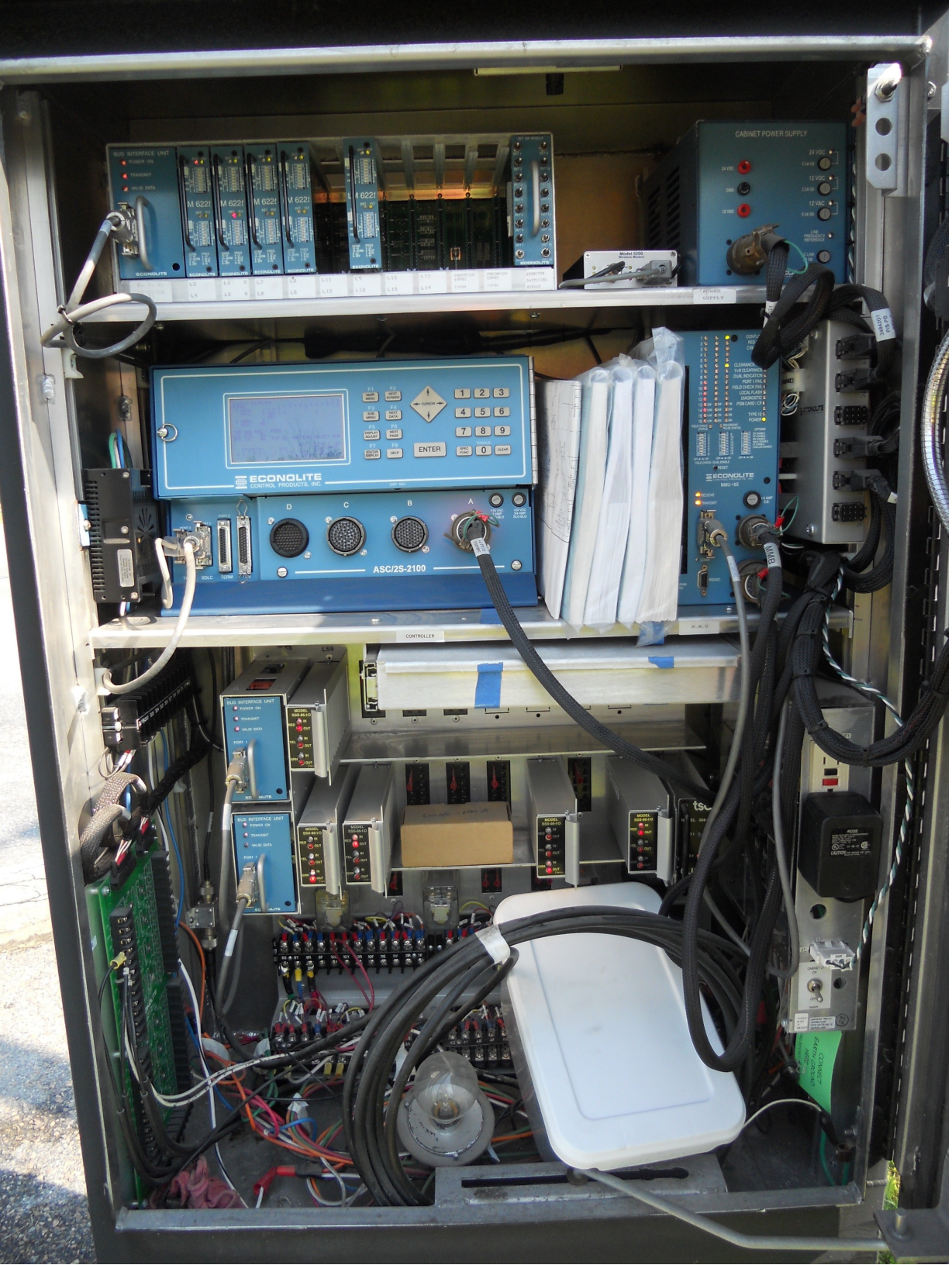
SIGNAL MAST-ARM OR STRAIN POLE

SPREAD SPECTRUM TELEMETRY INTERCONNECT PLAN

PROJECT NAME: ESSEX
PROJECT NUMBER: STP 030-1(17)S
PLOT FILE NAME: zstp030-1(17)strmt.dgn
L&D PROJECT NUMBER: 00-074
DESIGNED BY: LAMOUREUX & DICKINSON
DRAWN BY: PLC
CHECKED BY: RJD


BUS INTERFACE UNIT
POWER ON
TRANSMIT
VALID DATA
ECONOLITE
CABINET POWER SUPPLY
24 VDC
GND
12 VDC
12 VAC
Model 5200
Wireless Modem
ENCOM
POWER SUPPLY
ECONOLITE
CONTROL PRODUCTS, INC.
DSP ADJ
MAIN MENU
NEXT SCREEN
SUB MENU
NEXT DATA
DISPLAY ADJUST
NEXT PAGE
STATUS DISPLAY
HELP
CURSOR
ENTER
SPEC FUNC
CLEAR
D
C
B
A
ASC/2S-2100
CONFLICT
RED FAIL
CVM / WD
24V-1
24V-2
CLEARANCE FAIL
Y+R CLEARANCE
DUAL INDICATION
PORT 1 FAIL
FIELD CHECK FAIL
LOCAL FLASH
DIAGNOSTIC
PGM CARD / CPU
TYPE 12
POWER
MMU-16E
RECEIVE
TRANSMIT
RESET
CONTROLLER
M.M.U
MMU
BUS INTERFACE UNIT
POWER ON
TRANSMIT


CONTROLLER
M.M.U
BUS INTERFACE UNIT
POWER ON
TRANSMIT
VALID DATA
PORT
ECONOLITE
MODEL SSS-86-I/O
LS1
LS2
LS3
LS4
LS5
LS6
LS7
LS8
LS10
LS11
LS12
LS13
LS14
LS15
LS16
CABINET LT. ON
OFF
CONNECT EARTH GROUND HERE


CABINET POWER SUPPLY
ECONOLITE
CONTROL PRODUCTS, INC.
ASC/2S-2100
ENTER
CONTROLLER


Rr 27 7/9
SANGAMO
KILOWATTHOURS
CL200 240V 3W TYPE J5S 30TA 72Kh
GREEN MOUNTAIN POWER CORP.
USA
023574
74804642
CAT. NO. 96000
FM2S 60 Hz
SANGAMO WATTHOUR METER
CIRCUIT BREAKERS UNDER FLAP
FUSES IN BOX-DO NOT BREAK SEAL
V-A01
Essex Way


ONLY


CVS
pharmacy


Alliance
Church
1192 old stage rd


CVS


PUSH
BUTTON
FOR
CVS/pharmacy


PUSH
BUTTON
FOR


CVS
pharmacy


NO
TURN
ON
RED


NO
MOTOR
VEHICLES


CVS
pharmacy
ONLY
ONLY


ESSEX WAY
ONLY


Essex Way
RESORT & SPA
SHOPPES & CINEMA
CVS
pharmacy
ACE Hardware


PUSH BUTTON FOR
PUSH BUTTON FOR


Essex Way


ARTS &
CRAFTS


BUS STOP
CVS/pharmacy
CVS
pharmacy
ACE Hardware

Essex VT15,VT289 Corridor MS 556 VT15 & Essex Way 8/10/2012 10:23

By-Phase Timing Data

	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
Direction												
Minimum Green	5	8	0	7	0	8	0	7	4	0	0	0
Bike Min Green	0	0	0	0	0	0	0	0	0	0	0	0
Cond Serv Min Grn	0	0	0	0	0	0	0	0	0	0	0	0
Walk	0	0	0	0	0	0	0	0	4	0	0	0
Ped Clearance	7	7	7	7	7	7	7	7	14	7	7	7
Veh Extension	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0
Alt Veh Exten	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Extension	0	0	0	0	0	0	0	0	0	0	0	0
Max 1	7	28	0	20	0	28	0	20	20	0	0	0
Max 2	7	75	0	13	0	75	0	13	20	0	0	0
Max 3	8	63	0	25	0	63	0	25	20	0	0	0
Det. Fail Max	0	0	0	0	0	0	0	0	0	0	0	0
Yellow Change	3.0	4.0	3.0	4.0	3.0	4.0	3.0	4.0	3.0	3.0	3.0	3.0
Red Clearance	0.0	2.0	0.0	2.0	0.0	2.0	0.0	2.0	2.0	0.0	0.0	0.0
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Act. B4 Init	0	0	0	0	0	0	0	0	0	0	0	0
Sec/Actuation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Initial	30	30	30	0	30	30	30	30	30	30	30	30
Time B4 Reduction	0	0	0	0	0	0	0	0	0	0	0	0
Cars Waiting	0	0	0	0	0	0	0	0	0	0	0	0
Time To Reduce	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Gap	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Recall Data, Dimming

	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
Locking Detector. . . .	.	.	.	.	.	.	.	.	.	.	.	.
Vehicle Recall.	.	.	.	.	.	.	.	.	.	.	.	.
Pedestrian Recall . . .	.	.	.	.	.	.	.	.	.	.	.	.
Recall To Max	.	X	.	.	.	X	.	.	.	.	.	.
Soft Recall	.	.	.	.	.	.	.	.	.	.	.	.
Don't Rest Here	.	.	.	.	.	.	.	.	.	.	.	.
Ped Dark if No Call . .	.	.	.	.	.	.	.	.	.	.	.	.

Dimming:

	Load Switch															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Green/Walk. . . .	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Yellow/Ped Clear.	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Red/Don't Walk. .	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Coordination Patterns

Pattern 1

Cycle Length . . 80 COS 101
Offset 0
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 7 2- 31 3- 0 4- 0
Phase 5- 0 6- 31 7- 0 8- 26
Phase 9- 20 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 . . 120 COS 211
Offset 84
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 12 2- 69 3- 0 4- 0
Phase 5- 0 6- 69 7- 0 8- 19
Phase 9- 20 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 . . 120 COS 311
Offset 23
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 12 2- 61 3- 0 4- 0
Phase 5- 0 6- 61 7- 0 8- 27
Phase 9- 20 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: .

Essex VT15,VT289 Corridor MS 556 VT15 & Essex Way 8/10/2012 10:23

TOD Weekly/Yearly

Weekly Program Numbers

	1	2	3	4	5	6	7	8	9	10	
Sunday . . .	2	1	1	1	1	1	1	1	1	1	Program No.
Monday . . .	1	1	1	1	1	1	1	1	1	1	Program No.
Tuesday. . .	1	1	1	1	1	1	1	1	1	1	Program No.
Wednesday. .	1	1	1	1	1	1	1	1	1	1	Program No.
Thursday . .	1	1	1	1	1	1	1	1	1	1	Program No.
Friday . . .	1	1	1	1	1	1	1	1	1	1	Program No.
Saturday . .	2	1	1	1	1	1	1	1	1	1	Program No.

Week of Year

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Prog	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Prog	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
Prog	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

NIC Program Steps

Step	Program	Step Begins	Pattern	Override
1	1	0600	2	NO
2	1	0900	0	YES
3	1	1500	3	NO
4	1	1800	0	YES
5	2	0000	0	YES

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	.	.	.	.
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 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	.	.	.	.	.	.	.	.	.	.	.	.
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 1500

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	.	.	.	.
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	.	.	.	.	.	.
