MS # 523

N

KENNEDY DRIVE

VT 116 SOUTH

VT 116 NORTH

ONLY

PEDESTAL POST

PEDESTRIAN SIGNAL

PREEMPTION DETECTOR

PREEMPTION STROBE

L.E.D REGULATORY SIGN

CONTROL BOX

MAST ARM

LOOP DETECTION

JUNCTION BOX

LUMINAIRE

STANCHION

ROADWAY SIGN

A =

B =

D =

M =

KENNEDY DRIVE

NOT TO SCALE

MS # 523

N

KENNEDY DRIVE

11′ 11′ 11′ 11′ 11′ 11′

ONLY

LANE LINE 130′

LANE LINE 130′

LANE LINE 130′

ONLY

STOP BAR 44′

CROSSWALK 94′

STOP BAR 33′

CROSSWALK 55′

11′ ONLY LANE LINE 110′

11′ LANE LINE 110′

10′ ONLY

11′

VT 116 SOUTH

VT 116 NORTH

STOP BAR 22′

CROSSWALK 84′

11′ ONLY

LANE LINE 90′

11′

LANE LINE 90′

13′ ONLY

STOP BAR 19′

CROSSWALK 20′

CROSSWALK 43′

CROSSWALK 44′

STOP BAR 31′

STOP BAR 13′

ONLY LANE LINE 220′ LANE LINE 220′ LANE LINE 170′ ONLY

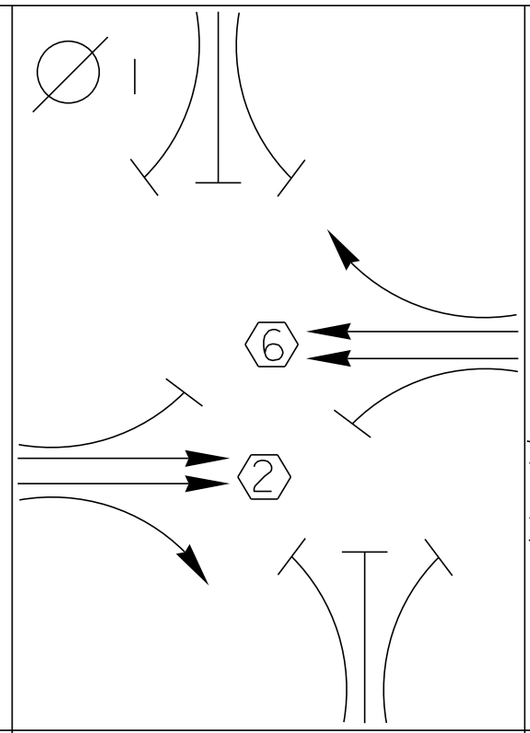
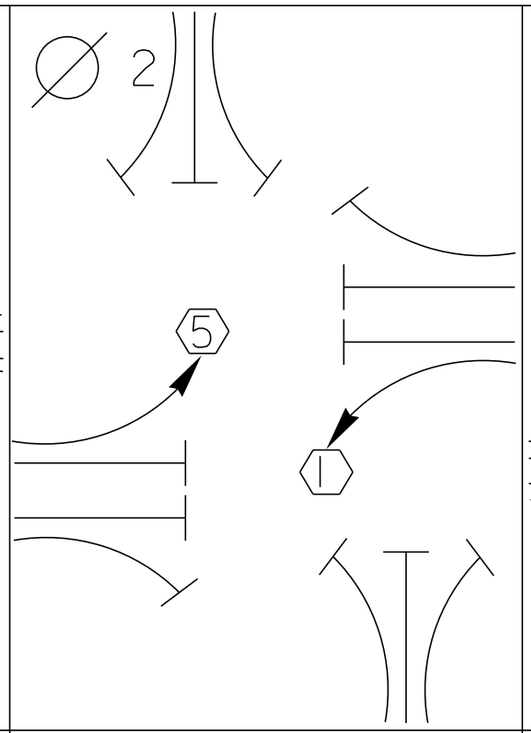
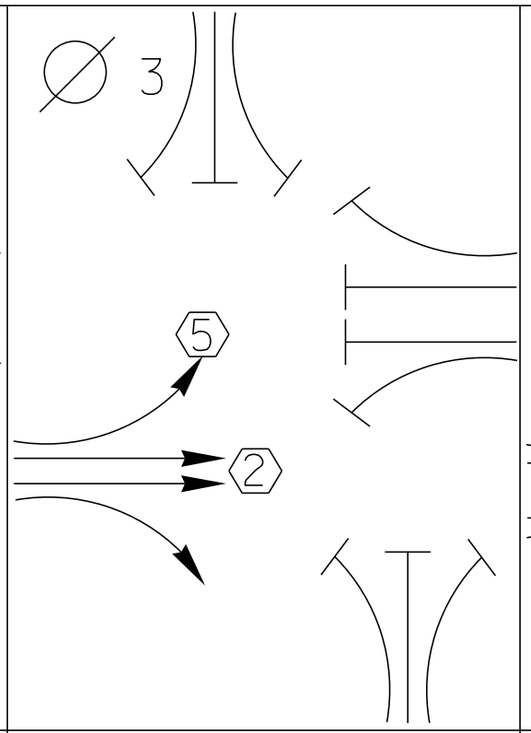
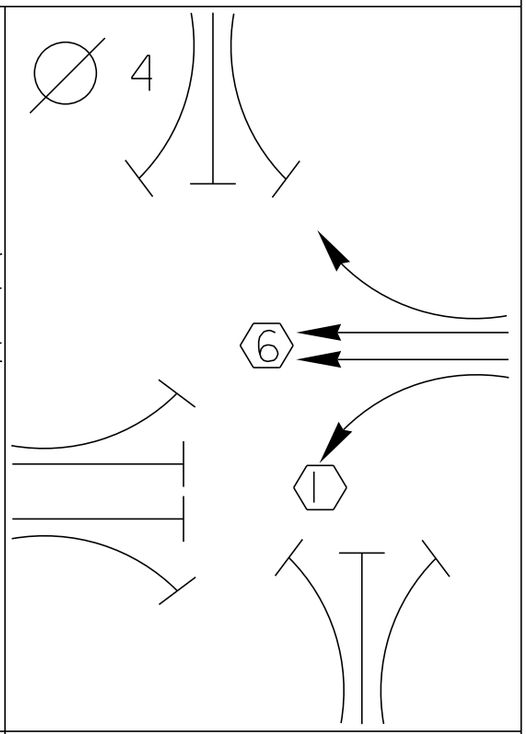
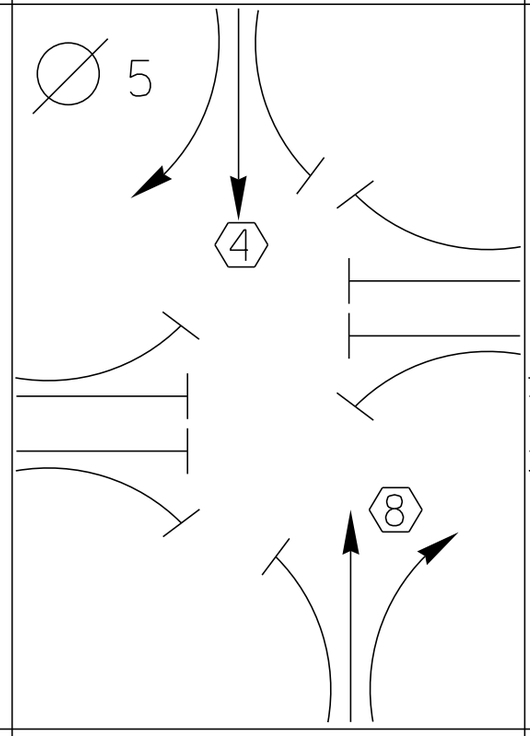
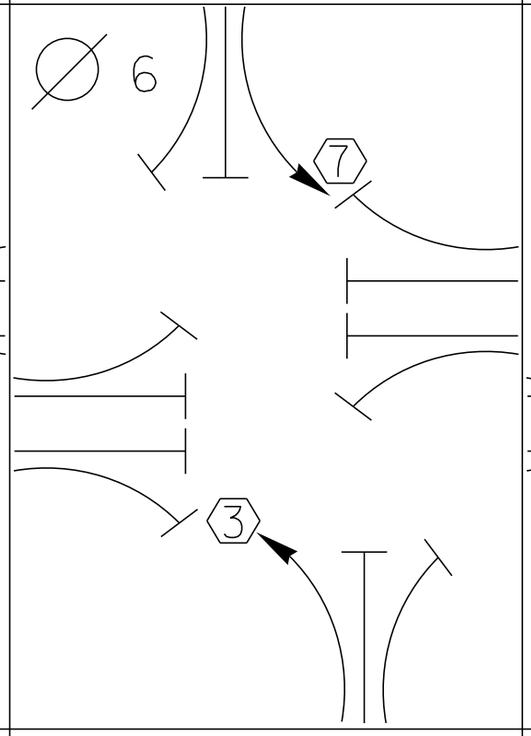
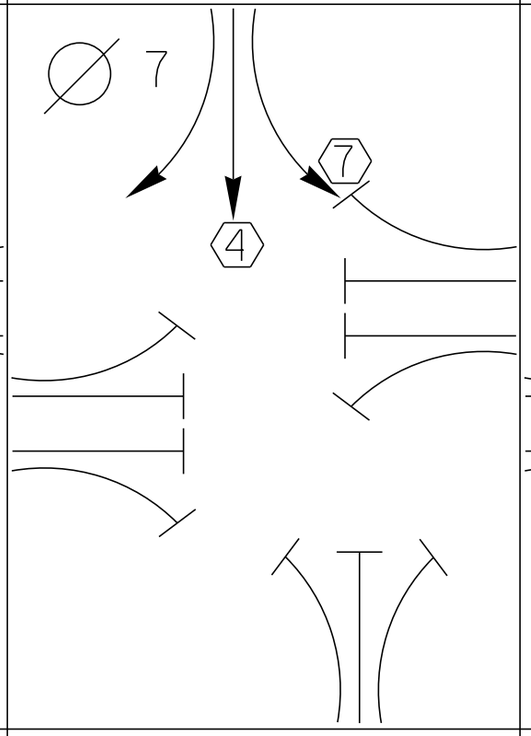
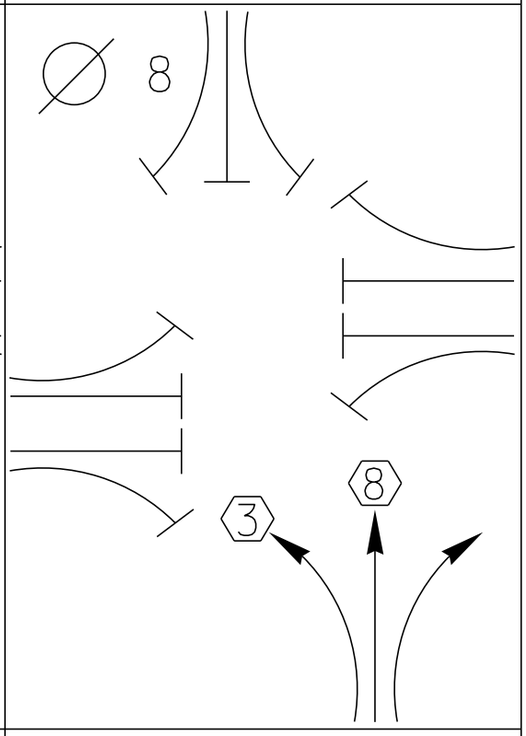
11′ 11′ 11′ 10′ 10′ 11′

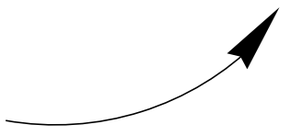
KENNEDY DRIVE

NOT TO SCALE

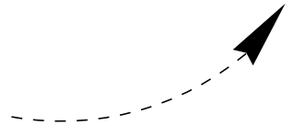
INTERSECTION: VT 116 & KENNEDY DRIVE

MS # 523

DIAGRAM	∅ 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

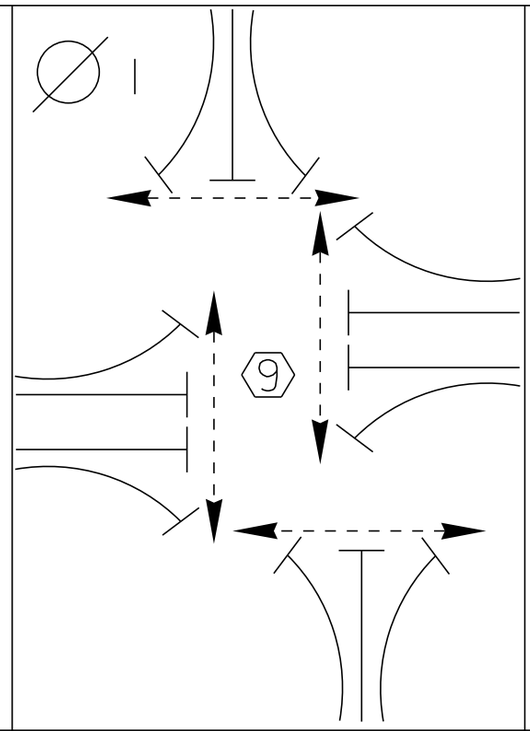
PEDESTRIAN

CYCLE LENGTH, C= _____ S

INTERSECTION: VT 116 & KENNEDY DRIVE

MS # 523

DIAGRAM	∅ 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 =



N

PROTECTED TURNS

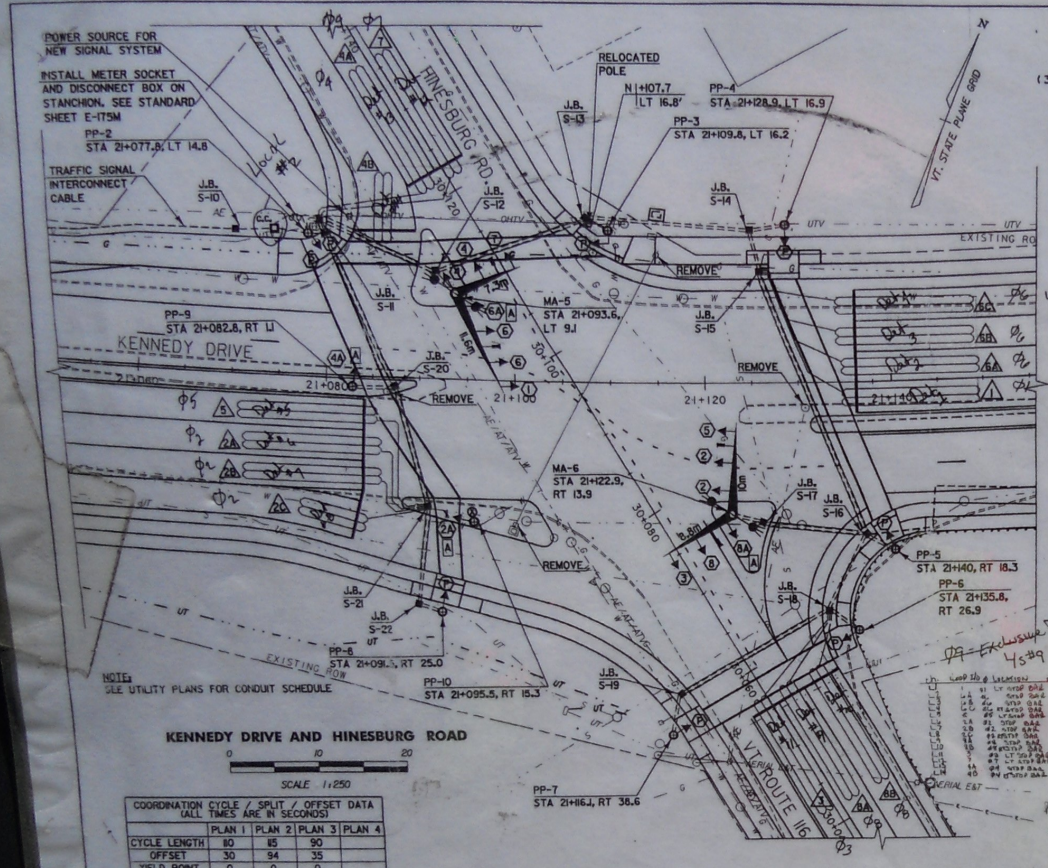
PERMITTED TURNS

PEDESTRIAN

CYCLE LENGTH, C= _____ S


PROPERTY OF :
VT. AGENCY OF TRANS.
MAINTENANCE DIV.
IN EMERGENCY CALL :
DIST. TRANS. OFFICE
655 - 1580 COLCHESTER
NIGHTS & WEEKENDS : 229 - 9191
INTERSECTION NO. MS-523


TURN ON
8-7-07
WARNING
DO NOT OPERATE
CABINET WITHOUT
CMU / MMU
DANGER
115 VOLTS A.C.
CONTROL EQ ON
CONTROL EQ OFF
AUTO
FLASH
STOP TIMING AUTO
OFF
ON



KENNEDY DRIVE AND HINESBURG ROAD

SCALE 1:250

PEDESTRIAN SIGNAL HEAD AND COUNTDOWN (300 MM LEGEND AND 225mm TEXT)

(L.E.D.) P

LS 1131-1 LED SIGN A

FIRE PREEMPTION

PREEMPT 1 CALLS PHASE 2 Exit Ramp
PREEMPT 2 CALLS PHASE 6 Hines Bound
PREEMPT 3 CALLS PHASE 4 South Bound
PREEMPT 4 CALLS PHASE 8 North Bound

Metric

CONTROLLER TIMING CHART

LOCAL PROGRAMMING	PHASES									
	1	2	3	4	5	6	7	8	9	FIRE PREEMPTION
MINIMUM GREEN	8	8	8	8	8	8	8	8	--	--
EXTENSION	2	2	2	2	2	2	2	2	--	--
YELLOW CLEARANCE	4	4	4	4	4	4	4	4	--	4
ALL RED CLEARANCE	2	2	2	2	2	2	2	2	--	2
MAX GREEN I 6:00-9:00 AM	8	52	16	10	11	49	8	18	--	15
MAX GREEN II 3:00-6:00 PM	8	58	10	15	15	51	8	17	--	15
MAX GREEN OFF PEAK	8	56	9	13	13	51	8	14	--	15
WALK	--	--	--	--	--	--	--	--	6	--
FLASHING DON'T WALK	--	--	--	--	--	--	--	--	23	--
FLASH	FR	FY	FR	FR	FR	FY	FR	FR	OFF	--
RECALL	OFF	MAX	OFF	OFF	OFF	MAX	OFF	OFF	--	--

NOTES:
1. Ø9 IS AN EXCLUSIVE PEDESTRIAN PHASE ACTIVATED BY PEDESTRIAN PUSH BUTTON ONLY.
2. OFF PEAK TIMING ADJUSTMENTS MAY BE NECESSARY BASED ON FIELD OBSERVATIONS DURING THE SIGNAL TEST PERIOD.
3. MAX GREEN TIMES EXCLUDE Ø9 (PEDESTRIAN PHASE)

	AM	PM	DHV
KENNEDY DRIVE	141	225	318
	556	458	648
	102	195	276
HINESBURG ROAD	253	127	46
	277	243	54
	308	344	76
	255	133	60
	185	234	51
	224	303	73
	52	123	174
	412	488	691
	32	41	58

2003 AVERAGE WEEKDAY TRAFFIC VOLUMES
*2023 DESIGN HOUR VOLUMES

VEHICLE DETECTOR LOOPS

LOOP NO.	LANE	CALL Ø	SIZE	TYPE & NO. TURNS	DELAY OR PRESENCE	INDUCTANCE CALC.	INDUCTANCE ACT.	RESISTANCE CALC.	RESISTANCE ACT.	LEAKAGE TO GROUND	LOCKING MEMORY
5	EB LT	1	L8x15	QUAD-2	PRESENCE	459		0.30			
2A	EB TH	2+6	L8x15	QUAD-2	PRESENCE	457		0.29			
2B	EB TH	2+6	L8x15	QUAD-2	PRESENCE	455		0.28			
2C	EB RT	2+6	L8x7.5	QUAD-2	PRESENCE	258		0.27			
3	NB LT	3+7	L8x15	QUAD-2	PRESENCE	512		0.64			
8A	NB TH	4+8	L8x15	QUAD-2	PRESENCE	509		0.63			
8B	NB RT	4+8	L8x15	QUAD-2	PRESENCE	508		0.62			
1	WB LT	1+5	L8x15	QUAD-2	PRESENCE	478		0.42			
6A	WB TH	2+6	L8x15	QUAD-2	PRESENCE	477		0.42			
6B	WB TH	2+6	L8x15	QUAD-2	PRESENCE	475		0.41			
6C	WB RT	2+6	L8x15	QUAD-2	PRESENCE	474		0.40			
4A	SB TH	4+8	L8x15	QUAD-2	PRESENCE	428		0.8			
4B	SB TH	4+8	L8x7.5	QUAD-2	PRESENCE	227		0.07			
7	SB LT	3+7	L8x15	QUAD-2	PRESENCE	429		0.13			

ALL CALCULATED VALUES ARE AT THE CONTROLLER.
MEASURED VALUES MUST BE FILLED IN PRIOR TO TEST PERIOD.

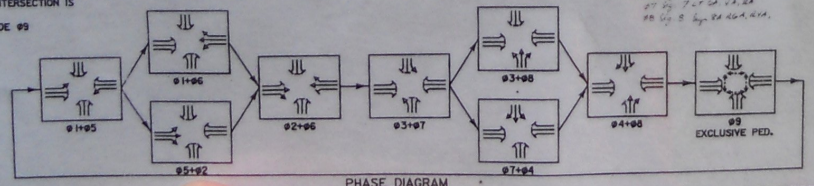
COORDINATION CYCLE / SPLIT / OFFSET DATA (ALL TIMES ARE IN SECONDS)

	PLAN 1	PLAN 2	PLAN 3	PLAN 4
CYCLE LENGTH	110	115	90	
OFFSET	30	94	35	
YIELD POINT	0	0	0	
RELEASE HOLD	3	3	3	
SPLIT TIME 01	14	14	14	
SPLIT TIME 02	58	64	62	
SPLIT TIME 03	22	16	15	
SPLIT TIME 04	16	21	19	
SPLIT TIME 05	17	21	19	
SPLIT TIME 06	55	57	57	
SPLIT TIME 07	14	14	14	
SPLIT TIME 08	24	23	20	

1. OFFSET IS FROM THE END OF PHASE 2&6
2. PLAN 1 AM PEAK
   PLAN 2 PM PEAK
   PLAN 3 OFF PEAK
   PLAN 4 CONDITIONAL SERVICE PLAN
3. OFF PEAK TIMING / PHASING SHALL BE DEVELOPED AFTER THE INTERSECTION IS OPENED.
4. MAX GREEN TIMES EXCLUDE Ø9 (PEDESTRIAN PHASE).

TIME OF DAY PLAN

	12AM 1 2 3 4 5 6 7 8 9 10 11	12PM 1 2 3 4 5 6 7 8 9 10 11	12AM
MONDAY	OFF	AM OFF PM OFF	OFF
TUESDAY	OFF	AM OFF PM OFF	OFF
WEDNESDAY	OFF	AM OFF PM OFF	OFF
THURSDAY	OFF	AM OFF PM OFF	OFF
FRIDAY	OFF	AM OFF PM	WEEKEND
SATURDAY	OFF	OFF	
SUNDAY	OFF	OFF	



PHASE DIAGRAM

TRAFFIC SIGNAL NOTES

1. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED AND SALVAGED TO THE VAOT DISTRICT 5.
2. FIRE PREEMPTION SETTINGS TO BE TESTED AND FINALIZED IN CONJUNCTION WITH THE CITY'S FIRE DEPARTMENT DURING THE SIGNAL TEST PERIOD.
3. MAST ARMS SHALL BE ORIENTED PERPENDICULAR TO THE ROADWAY UNLESS OTHERWISE NOTED.
4. POWER SOURCE LOCATION TO BE DETERMINED BY UTILITY COMPANY AND APPROVED BY ENGINEER.
5. LOCATION OF ALL STRUCTURES SHALL BE FIELD VERIFIED BY THE ENGINEER PRIOR TO CONSTRUCTION.

SIGNAL FACE ARRANGEMENT (305 LENSES)

(L.E.D.) FACES 1, 3, 5, 7

(L.E.D.) FACES 2, 4, 6, 8

(L.E.D.) FACES 2A, 4A, 6A

(L.E.D.) FACES 8A

EXISTING	NEW	LEGEND
		UTILITY POLE
		LUMINAIRE
		WOOD POLE
		STRAIN POLE
		CONTROLLER CABINET
		PULLBOX/JUNCTION BOX
		SIGNAL HEAD
		CONDUIT
		OPTICAL DETECTOR
		VEHICLE LOOPS
		PEDESTAL POST
		PEDESTAL POST W/PUSH BUTTON ONLY
		STANCHION
		SWEEP
		REGULATORY SIGN R10-12 (600X750) LEFT TURN YIELD ON GREEN BALL

DATE	REVISIONS	BY
	ORIGINAL PREPARED AUG. 2004	

received

DATUM
VERTICAL NAVD88
HORIZONTAL NAD83 (1996)

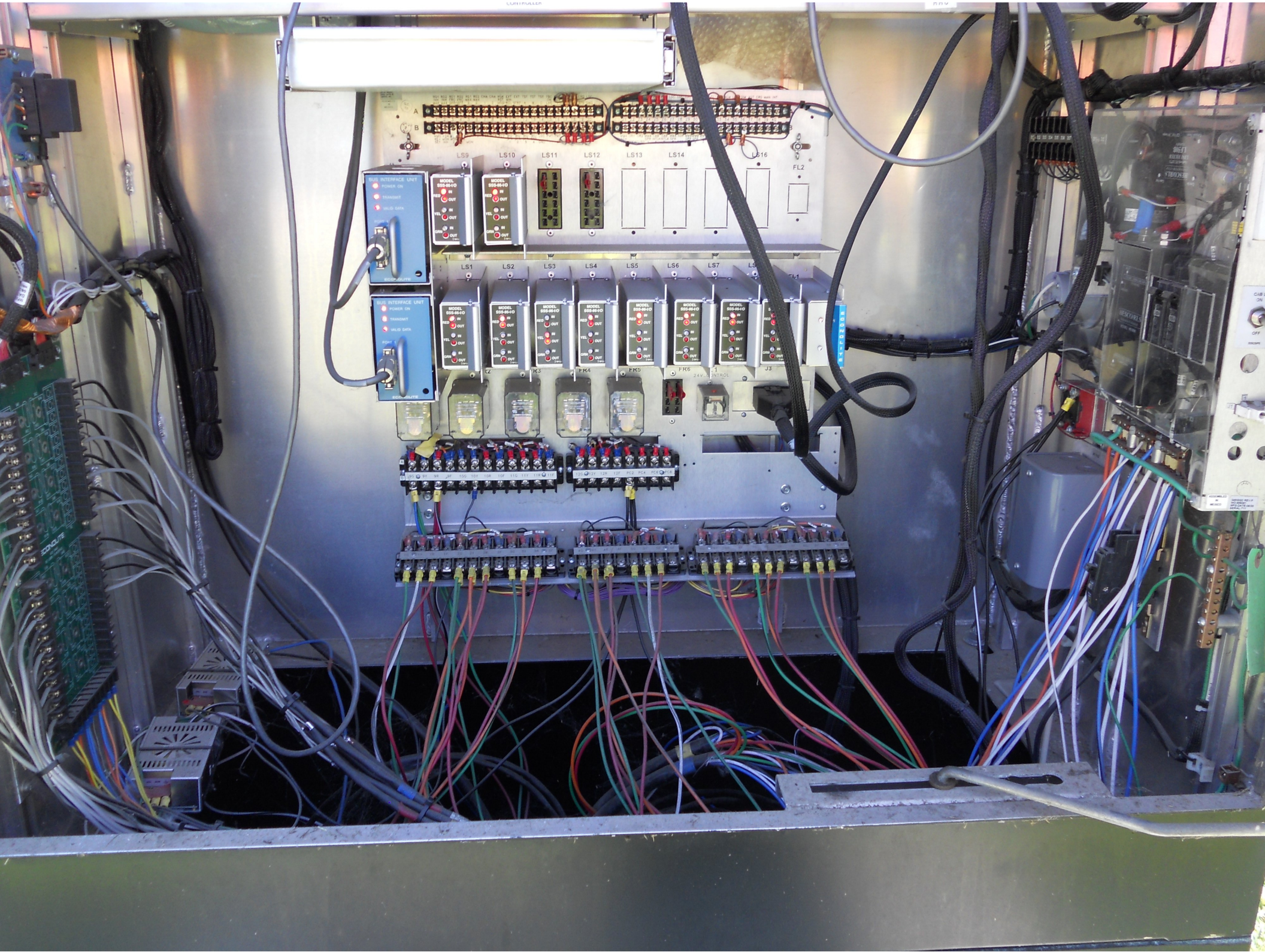
TRAFFIC SIGNAL LAYOUT

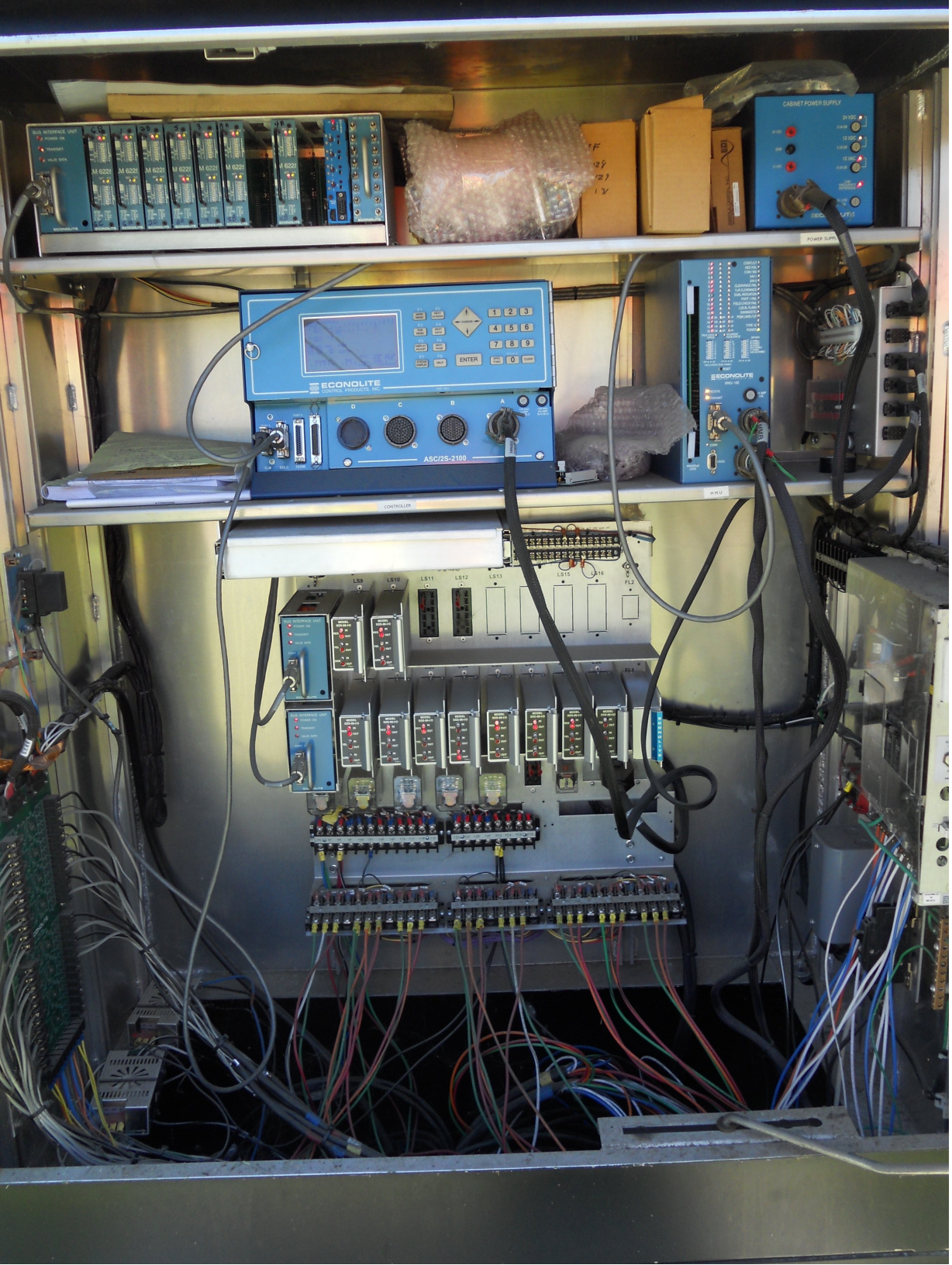
PROJECT: SOUTH BURLINGTON
PROJECT NO.: NH 121-1(1)
DESIGN FILE NAME: m:\ST2900\HWY\DRAW\sfgnalpln\sfgpln03.dgn
PARM FILE NAME:
PLOT DATE: 17-MAR-2005
SURVEYED BY: VERMONT SURVEY & ENG.
SURVEY DATE: 1/01
SQUAD LEADER: BENOIT
DRAWN BY: MJF
SHEET: 177 OF 275

07-2673-203


BUS INTERFACE UNIT
POWER ON
TRANSMIT
VALID DATA
SDLC
LM 622t
ECONOLITE
DET. SW. MODULE
DET 1
DET 2
DET 3
DET 4
DET 5
DET 6
DET 7
DET 8
DET 9
DET 15
DET 16
TOMAR
RANGE ARM
MAIN MENU
F1
F3


BUS INTERFACE UNIT
POWER ON
TRANSMIT
VALID DATA
LM 622t
M 622t
ECONOLITE
CABINET POWER SUPPLY
24 VDC
12 VDC
12 VAC
POWER SUPPLY
ECONOLITE
CONTROL PRODUCTS, INC.
ENTER
CURSOR
ASC/2S-2100
TLM
SDLC
TERM
CONTROLLER
MMU-16E
MMU
LS14
LS15
LS16
FL2


LS9
LS10
LS11
LS12
LS13
LS14
LS16
FL2
LS1
LS2
LS3
LS4
LS5
LS6
LS7
FL1
FK3
FK4
FK5
FK6
J3
24V CONTROL


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


DANGER / PELIGRO
HAZARD OF ELECTRICAL SHOCK OR BURN
SERVICE BY UTILITY AUTHORIZED PERSONNEL ONLY
DO NOT PAINT OVER OR REMOVE THIS LABEL
PELIGRO DE DESCARGA ELECTRICA O QUEMADURA
SOLAMENTE PERSONAS AUTORIZADAS DE LA COMPAÑIA ELECTRICA PUEDEN MANTENERLO
NO PINTE ENCIMA NI REMUEVA ESTA ETIQUETA
ELSTER
KILOWATTHOURS
01M0126G01
SINGLE-STATOR WATTHOUR METER
TYPE AB1R S. 7C32OLC5AA
FORM 2S 200 CL 240 V 3 W 60 Hz TA 30 Kh 7.2
MADE IN U.S.A.
MILBANK
0208056
GMP
DANGER / PELIGRO
HAZARD OF ELECTRICAL SHOCK OR BURN
SERVICE BY UTILITY AUTHORIZED PERSONNEL ONLY
DO NOT PAINT OVER OR REMOVE THIS LABEL
PELIGRO DE DESCARGA ELECTRICA O QUEMADURA
SOLAMENTE PERSONAS AUTORIZADAS DE LA COMPAÑIA ELECTRICA PUEDEN MANTENERLO
NO PINTE ENCIMA NI REMUEVA ESTA ETIQUETA


ONLY
ONLY
RIGHT LANE
MUST
TURN RIGHT
ONLY
ONLY


HINESBURG RD


Budget


KENNEDY DR
KEEP
RIGHT
CITGO


START CROSSING
Watch For Vehicles
DON'T START
Finish Crossing If Started
TIME REMAINING
To Finish Crossing
DON'T CROSS
TO CROSS
Push Button
Vermont
EATG 201


BIKE ROUTE
START CROSSING
Watch For
Vehicles
DON'T START
Finish Crossing
If Started
TIME REMAINING
To Finish Crossing
DON'T CROSS
TO CROSS
PUSH BUTTON


KENNEDY DR


U.M.C.
3GA 16 X 25
7GA 9 X 33
7GA 8 X 29
55KSI 2006


ONLY
ONLY
ONLY


START CROSSING
DON'T START
TIME REMAINING
DON'T CROSS
PUSH BUTTON


ONLY
ONLY


RIGHT LANE
MUST
TURN RIGHT


HINESBURG RD
KEEP
RIGHT
SPEED
LIMIT
40
CAUTION
WATCH FOR
CHILDREN
514


START CROSSING
Watch For
Vehicles
DON'T START
Finish Crossing
If Started
TIME REMAINING
To Finish Crossing
DON'T CROSS
TO CROSS
PUSH BUTTON


HINESBURG RD
KEEP
RIGHT
SUBARU
SPEED
LIMIT
40


U.M.C.
3GA 16 X 25
7GA 11 X 3
11GA 8 X 24
55KSI 2006


ONLY
ONLY
DO NOT
BLOCK
DRIVE
SOUTH
VERMONT
116
Concerning
This Property
864-2000
COMMERCIAL


SOUTH
VERMONT
116
RIGHT LANE MUST TURN RIGHT
ONLY


START CROSSING
Watch For
Vehicles
DON'T START
Finish Crossing
If Started
TIME REMAINING
To Finish Crossing
DON'T CROSS
TO CROSS
PUSH BUTTON
SPEED
LIMIT
40


KENNEDY DR


HINESBURG
KENNEDY DR


HINESBURG RD
KENNEDY DR

District 5 MS 517-535 MS 523 VT116 & Kennedy Dr 8/10/2012 7:11

By-Phase Timing Data

	Phase											
Direction	1	2	3	4	5	6	7	8	9	10	11	12
Minimum Green	5	5	5	5	5	5	5	5	1	5	5	5
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	6	0	0	0
Ped Clearance	7	7	7	7	7	7	7	7	23	7	7	7
Veh Extension	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	5.0	5.0	5.0
Alt Veh Exten	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 Extension	0	0	0	0	0	0	0	0	0	0	0	0
Max 1	8	27	9	15	8	27	8	16	0	0	0	0
Max 2	8	58	10	15	15	51	8	17	0	0	0	0
Max 3	8	56	9	13	13	51	8	14	0	0	0	0
Det. Fail Max	0	0	0	0	0	0	0	0	0	0	0	0
Yellow Change	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0
Red Clearance	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0
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	30	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	.	.	.	.	.	.	.	.	.	.	.	.
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 . . 110 COS 111
Offset 30
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 14 2- 58 3- 22 4- 16
Phase 5- 17 6- 55 7- 14 8- 24
Phase 9- 29 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 . . 115 COS 211
Offset 94
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 14 2- 64 3- 16 4- 21
Phase 5- 21 6- 57 7- 14 8- 23
Phase 9- 29 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 . . 90 COS 311
Offset 35
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 14 2- 62 3- 15 4- 16
Phase 5- 19 6- 57 7- 14 8- 20
Phase 9- 29 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: .

District 5 MS 517-535 MS 523 VT116 & Kennedy Dr 8/10/2012 7:11

TOD Weekly/Yearly

Weekly Program Numbers

	1	2	3	4	5	6	7	8	9	10	
Sunday . . .	1	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 . .	1	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	0000	3	NO
2	1	0600	1	NO
3	1	0900	3	NO
4	1	1500	2	NO
5	1	1800	3	NO
6	2	0000	3	NO
7	2	0600	1	NO
8	2	0900	3	NO
9	2	1500	2	NO
10	2	1800	0	NO
11	3	0000	3	NO
12	3	0600	3	NO
13	4	0000	3	NO
14	4	0600	3	NO
20	1	0900	0	YES
21	1	1800	0	YES
22	2	0900	0	YES
23	3	0000	0	YES
24	4	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	.	.	.	.	.	.	.	.	.	.	.	.
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	X	X	.	X	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	.	.	.	.	.	.

TOD Program Steps

Step 3 Program 1 Step Begins 1500

Flash. . . . . .
Red Rest . . . . . .
Spare 5. . . . . .
Spare 3. . . . . .
Type 0 Dly Enable. . .
Det Diag Plan. . . . 0

Dimming Enable. . . . . .
Alt Veh Extension . . . .
Det Log Enable. . . . . .
Spare 4 . . . . . .
Spare 2 . . . . . .

	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	.	.	.	.	.	.	.	.				

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

Step 4 Program 1 Step Begins 1800

Flash. . . . . .
Red Rest . . . . . .
Spare 5. . . . . .
Spare 3. . . . . .
Type 0 Dly Enable. . .
Det Diag Plan. . . . 0

Dimming Enable. . . . . .
Alt Veh Extension . . . .
Det Log Enable. . . . . .
Spare 4 . . . . . .
Spare 2 . . . . . .

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

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

TOD Program Steps

Step 5 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	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Function	.	.	.	.	.	.	.	.				

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

Step 6 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	.	.	.	.
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 7 Program 2 Step Begins 1500

Flash. . . . . .
Red Rest . . . . . .
Spare 5. . . . . .
Spare 3. . . . . .
Type 0 Dly Enable. . .
Det Diag Plan. . . . 0

Dimming Enable. . . . .
Alt Veh Extension . . .
Det Log Enable. . . . .
Spare 4 . . . . . .
Spare 2 . . . . . .

	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	.	.	.	.	.	.	.	.				

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

Step 8 Program 2 Step Begins 1800

Flash. . . . . .
Red Rest . . . . . .
Spare 5. . . . . .
Spare 3. . . . . .
Type 0 Dly Enable. . .
Det Diag Plan. . . . 0

Dimming Enable. . . . .
Alt Veh Extension . . .
Det Log Enable. . . . .
Spare 4 . . . . . .
Spare 2 . . . . . .

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

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

TOD Program Steps

Step 9 Program 3 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	.	.	.	.	.	.	.	.				

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

Step 10 Program 3 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	.	.	.	.
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 11 Program 3 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	X	X	.	X	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 12 Program 3 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	X	X	.	X	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	.	.	.	.	.	.

TOD Program Steps

Step 13 Program 4 Step Begins 0600

Flash. . . . . .
Red Rest . . . . . .
Spare 5. . . . . .
Spare 3. . . . . .
Type 0 Dly Enable. . .
Det Diag Plan. . . . 0

Dimming Enable. . . . .
Alt Veh Extension . . .
Det Log Enable. . . . .
Spare 4 . . . . . .
Spare 2 . . . . . .

	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	.	.	.	.	.	.

Step 14 Program 4 Step Begins 0900

Flash. . . . . .
Red Rest . . . . . .
Spare 5. . . . . .
Spare 3. . . . . .
Type 0 Dly Enable. . .
Det Diag Plan. . . . 0

Dimming Enable. . . . .
Alt Veh Extension . . .
Det Log Enable. . . . .
Spare 4 . . . . . .
Spare 2 . . . . . .

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

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

TOD Program Steps

Step 15 Program 4 Step Begins 1500

Flash. . . . . .
Red Rest . . . . . .
Spare 5. . . . . .
Spare 3. . . . . .
Type 0 Dly Enable. . .
Det Diag Plan. . . . 0

Dimming Enable. . . . . .
Alt Veh Extension . . . .
Det Log Enable. . . . . .
Spare 4 . . . . . .
Spare 2 . . . . . .

	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	.	.	.	.	.	.	.	.				

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

Step 16 Program 4 Step Begins 1800

Flash. . . . . .
Red Rest . . . . . .
Spare 5. . . . . .
Spare 3. . . . . .
Type 0 Dly Enable. . .
Det Diag Plan. . . . 0

Dimming Enable. . . . . .
Alt Veh Extension . . . .
Det Log Enable. . . . . .
Spare 4 . . . . . .
Spare 2 . . . . . .

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

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