

CONTROLLER TIMING CHART

LOCAL PROGRAMMING	PHASE							
	1	2	3	4	5	6	7	8
MINIMUM GREEN	8.0	18.0	8.0	8.0	18.0	8.0		
EXTENSION	2.0	2.0	2.0	2.0	2.0	2.0		
YELLOW CLEARANCE	4.0	4.0	4.0	4.0	4.0	4.0		
ALL RED CLEARANCE	2.0	2.0	2.0	2.0	2.0	2.0		
MAX. GREEN I (AM PEAK)	16.0	34.0	16.0	16.0	34.0	16.0		
MAX. GREEN II (OFF PEAK)	16.0	28.0	16.0	16.0	28.0	16.0		
MAX. GREEN III (PM PEAK)	16.0	38.0	16.0	16.0	28.0	16.0		
WALK	-	8	8	-	8	8		
FLASHING DON'T WALK	-	13	27	-	13	27		
RECALL								
MEMORY								

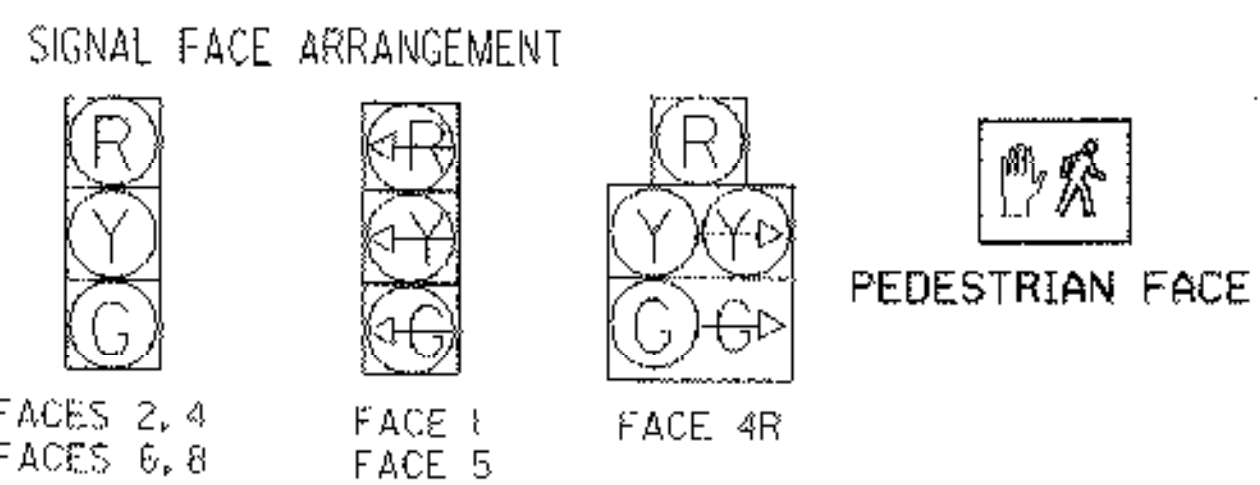
WEEKDAY TIMINGS

AM PEAK PERIOD	6:00 AM - 9:00 AM
OFF PEAK PERIOD	9:00 AM - 3:45 PM
PM PEAK PERIOD	3:45 PM - 6:00 PM

TABLE OF CHANGE SEQUENCE

PHASE	1-5		1-6		2-5		2-6		4-8	
	CLEAR TO	ALL OTHERS	CLEAR TO	ALL OTHERS	CLEAR TO	ALL OTHERS	CLEAR TO	ALL OTHERS	CLEAR TO	ALL OTHERS
1	R	Y	R	Y	R	Y	R	Y	R	Y
2	R	Y	R	Y	G	Y	G	Y	R	Y
4	R	Y	R	Y	R	Y	R	Y	G	Y
4R	R	Y	R	Y	R	Y	R	Y	R	Y
5	G	Y	R	Y	R	Y	R	Y	R	Y
6	R	Y	G	Y	R	Y	R	Y	G	Y
8	R	Y	R	Y	R	Y	R	Y	R	Y
P1	D	W	D	W	D	W	D	W	W	F
P2	D	W	D	W	D	W	D	W	D	W
P3	D	W	D	W	D	W	D	W	D	W

NOTE: W=WALK, FD=FLASH DON'T WALK, DW=DON'T WALK, B=BLANK
 * = INDICATIONS WILL BE WHEN THERE IS NO PEDESTRIAN ACTUATION
 ** = 12:00 AM - 6:00 AM



AVERAGE WEEKDAY TRAFFIC

Direction	AM	OFF	PM
MISSISQUOI ST. SB	265	4	130
MISSISQUOI ST. NB	134	9	130
VT. 78 EB	205	533	231
VT. 78 WB	1087	2022	1303
VT. 78 SB	36	38	15
VT. 78 NB	87	249	156
VT. 78 WB	674	1849	1582
VT. 78 SB	41	33	17
ROBIN HOOD DR. NB	27	1	42
ROBIN HOOD DR. SB	44	5	26
ROBIN HOOD DR. EB	16	2	20
ROBIN HOOD DR. WB	2	5	26

VEHICLE DETECTOR LOOPS

LOOP NO.	LANE	CALL	SIZE	TYPE & NO. TURNS	DELAY OR PRESENCE	DELAY TIME (SEC.)	INDUCTANCE CALC. ACT.	RESISTANCE CALC. ACT.	LEAKAGE TO GROUND	LOCKING MEMORY
1	EB	1	6X40	QUAD/2-TURN	PRESENCE		370	0.97		YES
2	WB	2	6X40	QUAD/2-TURN	PRESENCE		372	1.00		NO
4	SB	4	6X40	QUAD/2-TURN	PRESENCE		350	0.72		NO
4R	SB	4	6X40	QUAD/2-TURN	PRESENCE		348	0.68		NO
5	WB	5	6X40	QUAD/2-TURN	PRESENCE		375	1.10		YES
6	EB	6	6X40	QUAD/2-TURN	PRESENCE		369	0.95		NO
8	NB	8	6X40	QUAD/2-TURN	PRESENCE		388	1.20		NO

NOTE: BACK PLATES TO BE INSTALLED ON ALL HEADS

LEGEND

EXISTING	NEW	LEGEND
		UTILITY POLE
		LUMINAIRE
		WOOD POLE
		STRAIN POLE
		CONTROLLER CABINET
		PULL BOX/JUNCTION BOX
		SIGNAL HEAD
		CONDUIT
		VEHICLE LOOPS
		PEDESTAL POST
		STANCHION
		SWEEP

SIGNAL SHEET 1

PROJECT NAME: **SWANTON**
 PROJECT NUMBER: **STPG ST 036-10D**

FILE NAME: pwr/00850/161501gnal.dgn
 PROJECT LEADER: **B. NYQUIST**
 DESIGNED BY: **TRAFFIC DESIGN**
 t161501gnal.i

PLOT DATE: 19-APR-2006
 DRAWN BY: **TRAFFIC DESIGN**
 CHECKED BY: **TRAFFIC DESIGN**
 SHEET 17 OF 45