

CONTROLLER TIMING CHART

PHASE	1	2	3	4	5	6	7	8	9
IN USE	X	X		X	X	X		X	
TRAFFIC MOVEMENT	↓	↑		→	↑	↓		←	
MIN. GREEN	5	19		15	5	19		15	
MAX 1 - GREEN (OFF)	5	43.5		25	5	43.5		25	
MAX 2 - GREEN (AM)	7	40.5		30	5	42.5		30	
MAX 3 - GREEN (PM)	5	50.5		26	5	50.5		26	
YELLOW CLEARANCE	4.0	4.5		4.0	4.0	4.5		4.0	
ALL RED CLEARANCE	2.0	2.0		2.0	2.0	2.0		2.0	
VEHICLE EXTENSION	2.0	2.0		2.0	2.0	2.0		2.0	
DELAY GREEN	0.0	5.0		5.0	0.0	5.0		5.0	
WALK	0	7		7	0	7		7	
PEDESTRIAN CLEAR	0	17		13	0	17		13	
RECALL MODE		SOFT			SOFT				

SCHEDULE PLAN

SCHEDULE NO.	DAY PLAN	DAYS	DATES
1	1	MON, TUE, WED, THU, FRI	1-31
1	2	SAT, SUN	1-31

COORDINATION PLAN

PATTERN	COS	CYCLE	OFFSET	SPLIT PHASES / SPLIT TIMES							
				1	2	3	4	5	6	7	8
1	111	92	66	11	50		31	11	50		31
2	211	96	18	13	47		36	11	49		36
3	311	100	80	11	57		32	11	57		32

ACTION PLAN

PLAN NO.	PATTERN	FLASH	REFERENCE
1	1	NO	MAX 1
2	2	NO	MAX 2
3	3	NO	MAX 3
4	254 - FREE	NO	FREE

WEEKDAY PEAKS

	HOURS	
MAX 2 - AM PEAK	6:00 AM	TO 9:00 AM
MAX 1 - OFF PEAK	9:00 AM	TO 3:00 PM
MAX 3 - PM PEAK	7:00 PM	TO 10:00 PM
FREE	3:00 PM	TO 7:00 PM
	10:00 PM	TO 6:00 AM

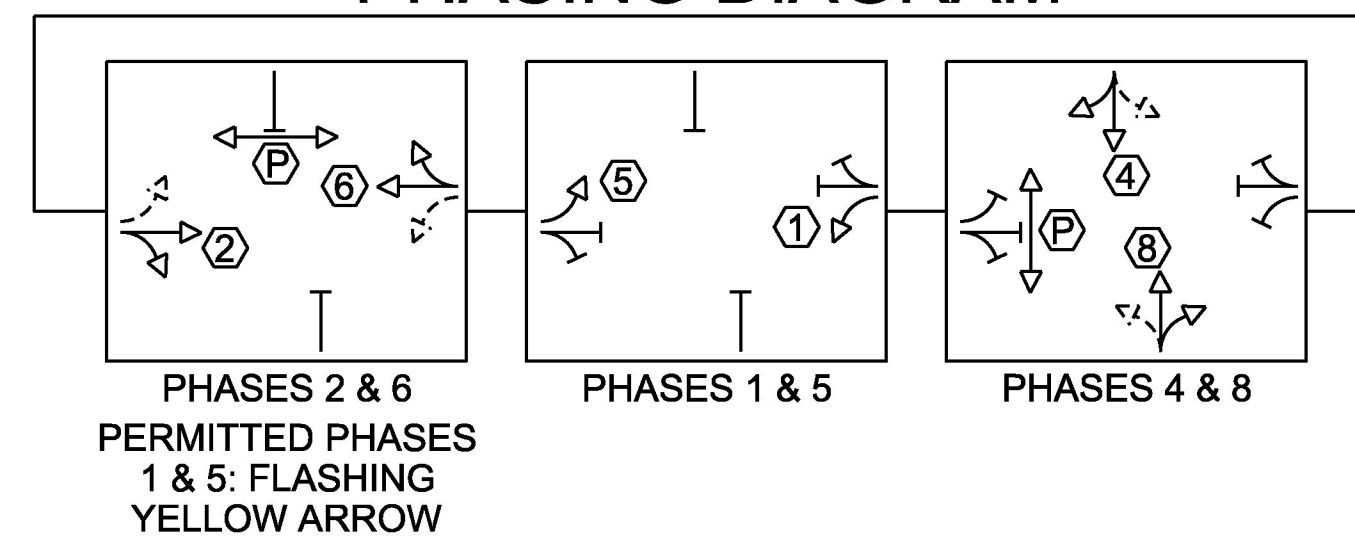
DAY PLAN

PLAN NO.	EVENT	ACTION PLAN	START TIME
1	1	2	6:00 AM
1	2	1	9:00 AM
1	3	3	3:00 PM
1	4	1	7:00 PM
1	5	254	10:00 PM
2	1	1	6:00 AM
2	2	3	9:00 AM
2	3	254	10:00 PM

PREEMPTION TIMINGS

	PREEMPTOR			
	1	2	3	4
DIRECTION	NB	SB		
HOLD PHASE	2	6		
DET LOCK	YES	YES		
DURATION TIME	18.5	18.5		
MIN GREEN	8	8		
HOLD GREEN	12	12		
HOLD YELLOW	4.5	4.5		
HOLD RED	2	2		

PHASING DIAGRAM



CONTROLLER TIMING CHART

PHASE	1	2	3	4	5	6	7	8	9
IN USE	X	X		X	X	X		X	
TRAFFIC MOVEMENT	↓	→		↓	↑	←		↑	
MIN. GREEN	5	18		17	5	18		17	
MAX 1 - GREEN (OFF)	5	43.5		25	5	43.5		25	
MAX 2 - GREEN (AM)	5	40.5		30	5	42.5		30	
MAX 3 - GREEN (PM)	5	55.5		21	5	55.5		21	
YELLOW CLEARANCE	4.0	4.5		4.0	4.0	4.5		4.0	
ALL RED CLEARANCE	2.0	2.0		2.0	2.0	2.0		2.0	
VEHICLE EXTENSION	2.0	2.0		2.0	2.0	2.0		2.0	
DELAY GREEN	0.0	0.0		5.0	0.0	0.0		5.0	
WALK	0	7		7	0	7		7	
PEDESTRIAN CLEAR	0	16		15	0	16		15	
RECALL MODE		SOFT			SOFT				

SCHEDULE PLAN

SCHEDULE NO.	DAY PLAN	DAYS	DATES
1	1	MON, TUE, WED, THU, FRI	1-31
1	2	SAT, SUN	1-31

COORDINATION PLAN

PATTERN	COS	CYCLE	OFFSET	SPLIT PHASES / SPLIT TIMES							
				1	2	3	4	5	6	7	8
1	111	92	66	11	50	0	31	11	50	0	31
2	211	96	18	13	47	0	36	11	49	0	36
3	311	100	80	11	62	0	27	11	62	0	27

ACTION PLAN

PLAN NO.	PATTERN	FLASH	REFERENCE
1	1	NO	MAX 1
2	2	NO	MAX 2
3	3	NO	MAX 3
4	254 - FREE	NO	FREE

WEEKDAY PEAKS

	HOURS	
MAX 2 - AM PEAK	6:00 AM	TO 9:00 AM
MAX 1 - OFF PEAK	9:00 AM	TO 3:00 PM
MAX 3 - PM PEAK	7:00 PM	TO 10:00 PM
FREE	3:00 PM	TO 7:00 PM
	10:00 PM	TO 6:00 AM

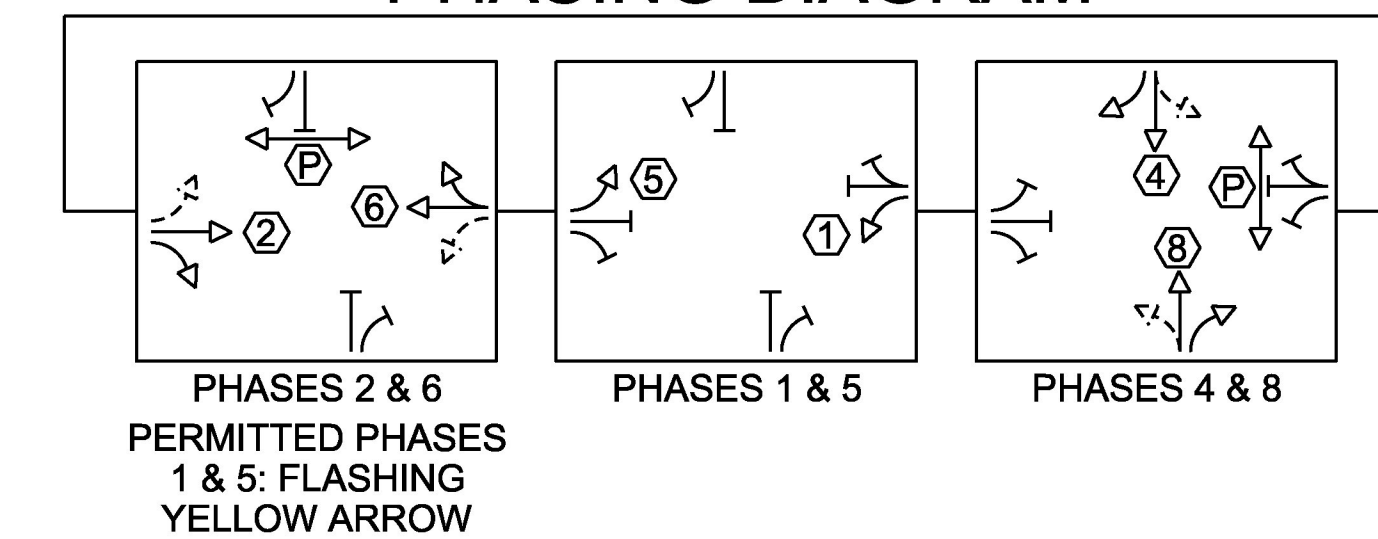
DAY PLAN

PLAN NO.	EVENT	ACTION PLAN	START TIME
1	1	2	6:00 AM
1	2	1	9:00 AM
1	3	3	3:00 PM
1	4	1	7:00 PM
1	5	254	10:00 PM
2	1	1	6:00 AM
2	2	3	9:00 AM
2	3	254	10:00 PM

PREEMPTION TIMINGS

	PREEMPTOR			
	1	2	3	4
DIRECTION	EB	WB		
HOLD PHASE	2	6		
DET LOCK	YES	YES		
DURATION TIME	18.5	18.5		
MIN GREEN	8	8		
HOLD GREEN	12	12		
HOLD YELLOW	4.5	4.5		
HOLD RED	2	2		

PHASING DIAGRAM



NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING PROVIDED TIMINGS AT DESIGNATED INTERSECTIONS ALONG THE WILLISTON CORRIDOR. THE CONTRACTOR WILL NEED TO COORDINATE WITH THE SOUTH BURLINGTON/WILLISTON NH 2944(1)/WILLISTON NH 2949(1) PAVING PROJECT CONTRACTOR TO INSTALL TIMINGS. PAYMENT SHALL BE INCIDENTAL TO OTHER CONTRACT ITEMS.

MS 567: US ROUTE 2 & BROWNELL AVE

PROJECT NAME: WILLISTON-ESSEX

PROJECT NUMBER: STPG SGNL(46)

FILE NAME: t15i017sig.dgn

PROJECT LEADER: M. LACROIX

DESIGNED BY: K. RECORD

TRAFFIC SIGNAL LAYOUT SHEET 16

PLOT DATE: 3/22/2017

DRAWN BY: K. RECORD

CHECKED BY: M. LACROIX

SHEET 48 OF 66

MS 565: US ROUTE 2 & HARVEST LANE