

US 5 (MAIN STREET) @ ELLIOT STREET

CONTROLLER TIMING CHART									
LOCAL PROGRAMING	PHASE								
	1	2	3	4	5	6	7	8	9
MINIMUM GREEN		15		9	8	15	9		-
EXTENSION		2.0		2.0	2.0	2.0	2.0		
YELLOW CLEARANCE		4.0		4.0	4.0	4.0	4.0		-
ALL RED CLEARANCE		2.0		2.0	2.0	2.0	2.0		-
MAX. GREEN I-100 SEC 0600 - 0900		53		16	8	41	16		-
MAX. GREEN III-115 SEC 1500 TO 1800		62		22	8	50	22		-
MAX. GREEN II- 105 SEC 0900 - 1500		56		18	8	44	18		-
WALK		-		-		-	-		5
FLASHING DON'T WALK		-		-		-	-		14
RECALL		MAX		N/L	N/L	MAX			LOCK

COORDINATION TIMING (SECONDS)

DIAL SPLIT	CYCLE LENGTH	PHASES								OFFSETS	
		1	2	3	4	5	6	7	9	SEC	%
1 - 1	100		59		22	14	45	22	19	0	0
2 - 1	115		68		28	14	54	28	19	0	0
3 - 1	105		62		24	14	48	24	19	0	0
4 - 1											
1 - 1		WEEKDAYS - 0600 - 0900									
2 - 1		WEEKDAYS - 1500 - 1800									
3 - 1		WEEKDAYS - 0900 TO 1500									
4 - 1		FUTURE									

FOR ALL OTHER TIMES, THE INTERSECTION SHALL OPERATE IN FREE MODE.

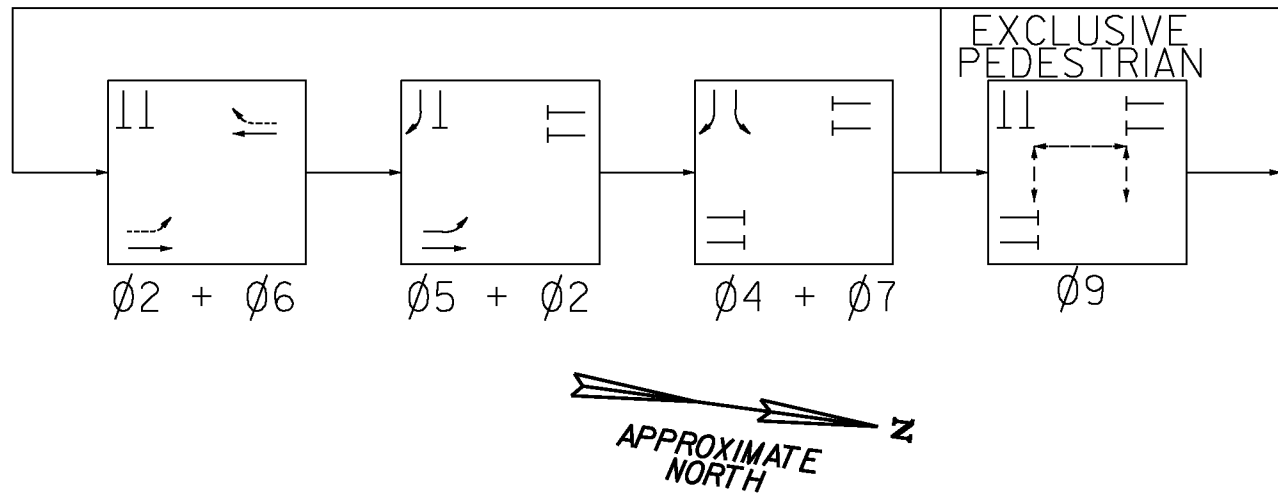
TABLE OF CHANGE SEQUENCE																		FLASHING OPERATION
FACE	ø2 + ø6					ø5 + ø2					ø4 + ø7				ø9			
	R/W	CLEAR TO				R/W	CLEAR TO				R/W	CLEAR TO			R/W	CLEAR TO		
		ø5 + ø2		ALL OTHER PHASES			ø4		ALL OTHER PHASES			ALL OTHER PHASES		ALL OTHER PHASES				
2	G	Y	R	Y	R	G	G	G	Y	R	R	R	R	R	R	R	R	FY
4	R	R	R	R	R	R/G	R/Y	R	R	R	G/G	Y/Y	R	Y/Y	R	R	R	FR
5	G	Y	R	Y	R	G/G	Y/Y	G	Y	R	R	R	R	R	R	R	R	FY
6	G	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	FY
7	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	FR
9	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FD	DW	B

NOTE: W = WALK, FD = FLASHING DON'T WALK
DW = DON'T WALK, B = BLANK

	R.R. PRE-EMPTION
0*	START OF TRAFFIC SIGNAL PRE-EMPTION
44*	START OF R.R. FLASHING LIGHTS & BELL
47*	R.R. GATES START TO DROP
59*	R.R. GATES HORIZONTAL
64*	TRAIN ENTERS CROSSING

TOTAL TIME REQUIRED BY THE NEW ENGLAND CENTRAL RAILROAD FOR RAILROAD PRE-EMPTION INTERCONNECT WILL BE 64 SECONDS FROM RAILROAD PRE-EMPT NOTIFICATION TO TRAIN ARRIVAL AT THE CROSSING

PHASING DIAGRAM
US 5 (MAIN STREET) @ ELLIOT STREET



US 5 (MAIN STREET) @ VT ROUTE 9 (HIGH STREET)

CONTROLLER TIMING CHART									
LOCAL PROGRAMING	PHASE								
	1	2	3	4	5	6	7	8	9
MINIMUM GREEN	15	15		9	8	15	9		-
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-100 SEC 0600 - 0900	38	50		17	8	38	17		-
MAX. GREEN III-115 SEC 1500 TO 1800	53	65		15	8	53	15		-
MAX. GREEN II- 105 SEC 0900 - 1500	43	55		17	8	43	17		-
WALK	-	-		-		-	-		5
FLASHING DON'T WALK	-	-		-		-	-		16
RECALL		MAX		N/L	N/L	MAX			LOCK

COORDINATION TIMING (SECONDS)

DIAL SPLIT	CYCLE LENGTH	PHASES								OFFSETS	
		1	2	3	4	5	6	7	9	SEC	%
1 - 1	100	42	54		23	14	42	23	21	86	86
2 - 1	115	57	69		21	14	57	21	21	108	94
3 - 1	105	47	59		23	14	47	23	21	0	0
4 - 1											
1 - 1		WEEKDAYS - 0600 - 0900									
2 - 1		WEEKDAYS - 1500 - 1800									
3 - 1		WEEKDAYS - 0900 TO 1500									
4 - 1		FUTURE									

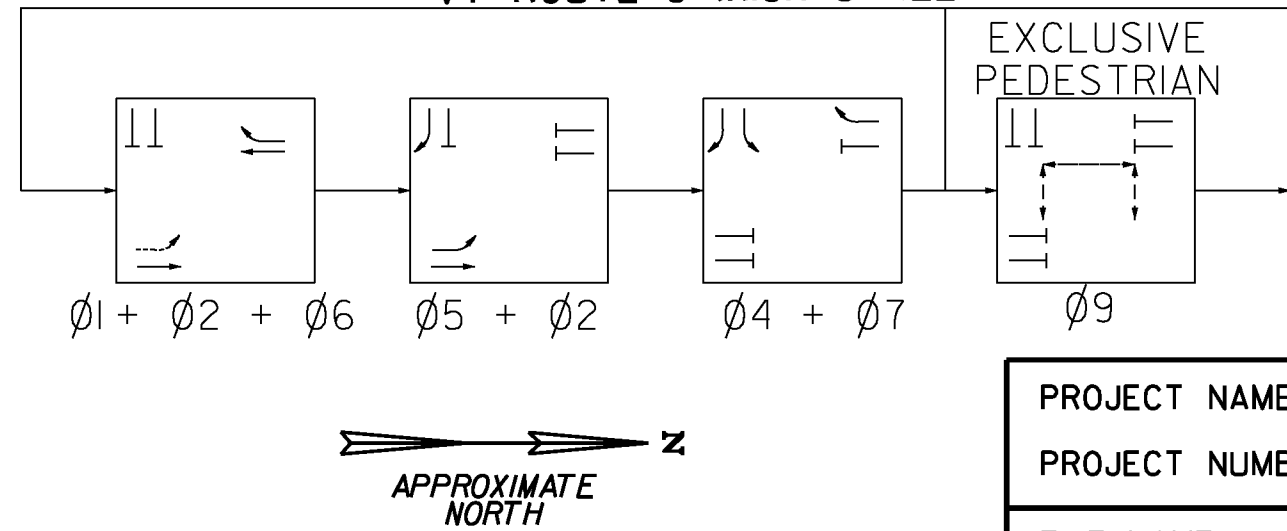
FOR ALL OTHER TIMES, THE INTERSECTION SHALL OPERATE IN FREE MODE.

TABLE OF CHANGE SEQUENCE																FLASHING OPERATION		
FACE	ø1 + ø2 + ø6					ø5+ ø2					ø4 + ø7				ø9			
	R/W	CLEAR TO				R/W	CLEAR TO				R/W	CLEAR TO			R/W		CLEAR TO	
		ø5 + ø2		ALL OTHER PHASES			ø4		ALL OTHER PHASES			ALL OTHER PHASES	ALL OTHER PHASES					
1	G	Y	R	Y	R	R	R	R	Y	R	R	R	R	R	R	R	R	FY
2	G	Y	R	Y	R	G	G	G	Y	R	R	R	R	R	R	R	R	FY
4	R	R	R	R	R	R/G	R/Y	R	R	R	G/G	Y/Y	R	Y/Y	R	R	R	FR
5	G	Y	R	Y	R	G/G	Y/Y	G	Y	R	R	R	R	R	R	R	R	FY
6	G/G	G/G	G/G	Y/Y	R	R	R	R	R	R	R/G	R/G	R/G	R	R	R	R	FY
7	R	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	R	R	FR
9	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FD	DW	B

NOTE: W = WALK, FD = FLASHING DON'T WALK
DW = DON'T WALK, B = BLANK

PHASING DIAGRAM

US 5 (MAIN STREET) @
VT ROUTE 9 (HIGH STREET)



PROJECT NAME: BRATTLEBORO
PROJECT NUMBER: STP 2000(24)

FILE NAME: z08d044trfbdr.dgn
PROJECT LEADER: KEN UPMAL
DESIGNED BY: V. KACOYANNAKIS
TRAFFIC SIGNAL SHEET 9

PLOT DATE: 4/8/2010
DRAWN BY: V. KACOYANNAKIS
CHECKED BY: J. SOBEL
SHEET 158 OF 163