

MILL STREET AT COTTAGE STREET LOCATION 3

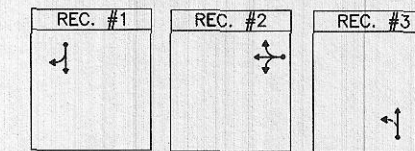
FULLY-ACTUATED ☒ ISOLATED ☐
SEMI-ACTUATED ☐ COORDINATED ☒
PRE-TIMED ☐ WIRE ☒ RADIO ☐

SEQUENCE AND TIMING

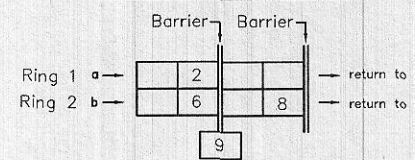
STREET	DIRECTION	HOUSINGS	1	2	3	4	5	6	7	8	9	10	11	12	FLASH OPER.
COTTAGE STREET	NB	A,B	G	Y	R	R	R	R	R	R	R	R	R	R	FY
COTTAGE STREET	SB	C,D	R	R	R	G	Y	R	R	R	R	R	R	R	FY
MILL STREET	WB	E,F	R	R	R	R	R	G	Y	R	R	R	R	R	FR
PEDESTRIAN	ALL	P1-P8	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW			OUT

TIMING IN SECONDS															EMERGENCY
MINIMUM INITIAL	5				5				10						
PASSAGE	2				2				2						
MAXIMUM 1	42				42				38						
CHANGE		3.3	2.0		3.3	2.0		3.4	2.1						
PEDESTRIAN											5	7	1		
RECALL		SOFT			SOFT			OFF			OFF				
MEMORY		NON-LOCKING			NON-LOCKING			NON-LOCKING			LOCKING				
DUAL ENTRY		OFF			OFF			OFF			OFF				
SIMULTANEOUS GAP OUT DISABLED		YES			YES			YES			YES				

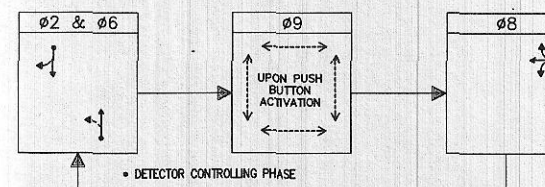
PREEMPTION PHASES



RING STRUCTURE



MILL STREET AT COTTAGE STREET PREFERENTIAL PHASE SEQUENCE



LOOP DETECTOR DATA

DETECTION ZONE	NO. OF SEGMENTS	LOOP SIZE	SPLICE PATTERN	NO. OF TURNS	# CALLED	# EXT.	DELAY TIME	EXT. TIME
(1)	2	6' x 20'	QUADRUPOLE	2	2	-	-	-
(2)	2	6' x 20'	QUADRUPOLE	6	6	-	-	-
(3)	2	6' x 20'	QUADRUPOLE	8	8	-	-	-

NEW BEDFORD MILL STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.	STP-0028(302)	88	216
PROJECT FILE NO.		855071	

TRAFFIC SIGNAL PLAN MILL STREET AT COTTAGE STREET LOC. 3 KEMPTON STREET AT COTTAGE STREET LOC. 4

TABLE 1-3 COORDINATION DATA FOR LOCATION-3
MILL STREET AT COTTAGE STREET

FUNCTION	PURPOSE	OFFSET VALUE IN SECONDS	CYCLE LENGTH	
OFFSET 1	M → F 7am - 9am	2	80	-
OFFSET 2	M → F 4pm - 6pm	0	60	-
COORD. POINT SHALL BE AT THE END OF THE GREEN OF THE FIRST PHASE, SHOWN BY * BELOW.				
MAXIMUM PHASE TIME IN SECONDS				
FUNCTION	W/O PED	W PED	W/O PED	W PED
SPLIT 1	42	33	42	33
SPLIT 2	27	21	27	21

KEMPTON STREET AT COTTAGE STREET LOCATION 4

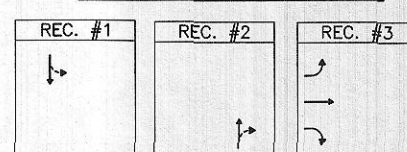
FULLY-ACTUATED ☒ ISOLATED ☐
SEMI-ACTUATED ☐ COORDINATED ☒
PRE-TIMED ☐ WIRE ☒ RADIO ☐

SEQUENCE AND TIMING

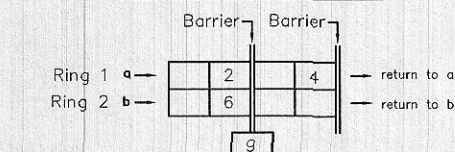
STREET	DIRECTION	HOUSINGS	1	2	3	4	5	6	7	8	9	10	11	12	FLASH OPER.
COTTAGE STREET	NB	G,H	G	Y	R	R	R	R	R	R	R	R	R	R	FY
COTTAGE STREET	SB	J,K	R	R	R	R	R	G	Y	R	R	R	R	R	FY
KEMPTON STREET	EB	N	R	R	R	GL	YL	R	R	R	R	R	R	R	FR
KEMPTON STREET	EB	M	R	R	R	GV	YV	R	R	R	R	R	R	R	FR
KEMPTON STREET	EB	L	R	R	R	GR	YR	R	R	R	R	R	R	R	FR
PEDESTRIAN	E-W, N-S	P9-P10, P13-P16	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	OUT

		TIMING IN SECONDS													
MINIMUM INITIAL		5				5				10					EMERGENCY
PASSAGE		2				2				2					
MAXIMUM 1		45				45				35					
CHANGE				3.3	2.4			3.3	2.2			3.3	2.4		
PEDESTRIAN												5	10	1	
RECALL				SOFT				OFF				SOFT		OFF	
MEMORY				NON-LOCKING				NON-LOCKING				NON-LOCKING		LOCKING	
DUAL ENTRY				OFF				OFF				OFF		OFF	
SIMULTANEOUS GAP OUT DISABLED				YES				YES				YES		YES	

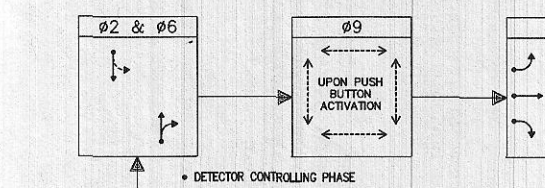
PREEMPTION PHASES



RING STRUCTURE



COTTAGE STREET AT KEMPTON STREET PREFERENTIAL PHASE SEQUENCE



LOOP DETECTOR DATA

DETECTION ZONE	NO. OF SEGMENTS	LOOP SIZE	SPLICE PATTERN	NO. OF TURNS	# CALLED	# EXT.	DELAY TIME	EXT. TIME
(4)	2	6' x 20'	QUADRUPOLE	2	2	-	-	-
(5)	2	6' x 20'	QUADRUPOLE	6	6	-	-	-
(6)	2	6' x 20'	QUADRUPOLE	4	4	-	-	-
(7)	2	6' x 20'	QUADRUPOLE	4	4	-	-	-
(8)	2	6' x 20'	QUADRUPOLE	4	4	-	-	-

TABLE 1-4 COORDINATION DATA FOR LOCATION-4
KEMPTON STREET AT COTTAGE STREET

FUNCTION	PURPOSE	OFFSET VALUE IN SECONDS	CYCLE LENGTH	
OFFSET 1	M → F 7am - 9am	0	80	-
OFFSET 2	M → F 4pm - 6pm	0	60	-
COORD. POINT SHALL BE AT THE END OF THE GREEN OF THE FIRST PHASE, SHOWN BY * BELOW.				
MAXIMUM PHASE TIME IN SECONDS				
FUNCTION	W/O PED	W PED	W/O PED	W PED
SPLIT 1	45	34	45	34
SPLIT 2	29	21	29	21

MASTER LOCATION FOR LOCATIONS 3 AND 4.