

MILL STREET AT ROCKDALE AVENUE
LOCATION 1

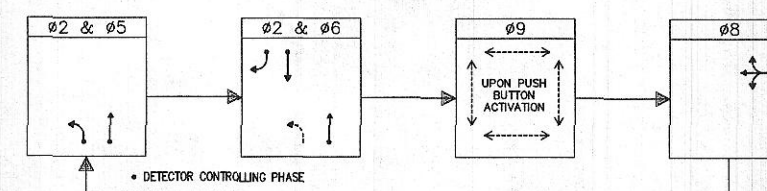
TABLE 1-- COORDINATION DATA FOR LOCATION-1 MILL STREET AT ROCKDALE AVENUE							
FUNCTION	PURPOSE	OFFSET VALUE IN SECONDS	CYCLE LENGTH	-			
OFFSET 1	W → F 7am - 9am	0	114	-			
OFFSET 2	W → F 4pm - 6pm	0	114	-			

COORD POINT SHALL BE AT THE END OF THE GREEN OF THE FIRST PHASE, SHOWN BY * BELOW.

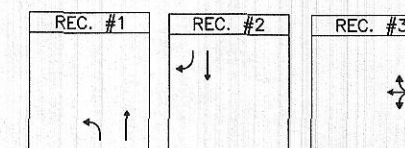
MAXIMUM PHASE TIME IN SECONDS								
FUNCTION	S ² *		S ⁴ *		S ⁶ *		S ⁸	
	W/O PED	W PED	W/O PED	W PED	W/O PED	W PED	W/O PED	W PED
SPLIT 1	65	49	10	10	65	49	39	35
SPLIT 2	81	65	10	10	81	65	23	19

LOOP DETECTOR DATA								
DETECTION ZONE	NO. OF SEGMENTS	LOOP SIZE	SPICE PATTERN	NO. OF TURNS	# CALLED	# EXT.	DELAY TIME	EXT. TIME
①	2	6' x 20'	QUADRUPOLE	2	2	--	--	--
②	2	6' x 20'	QUADRUPOLE	5	5	--	--	--
③	2	6' x 20'	QUADRUPOLE	6	6	--	--	--
④	2	6' x 20'	QUADRUPOLE	6	6	--	--	--
⑤	2	6' x 20'	QUADRUPOLE	8	8	--	--	--

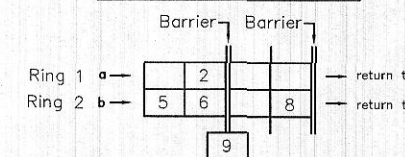
MILL STREET AT ROCKDALE AVENUE
PREFERENTIAL PHASE SEQUENCE



PREEMPTION PHASES



RING STRUCTURE



FULLY-ACTUATED	☒	ISOLATED	☐		#1	#5	#6	#8	#9	
SEMI-ACTUATED	☐	COORDINATED	☒							
PRE-TIMED	☐	WIRE	☐	RADIO ☒						

SEQUENCE AND TIMING

STREET	DIRECTION	HOUSINGS	SEQUENCE															FLASH OPER.
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
ROCKDALE AVENUE	NB	A	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	FY	
ROCKDALE AVENUE	NB	B	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	FY	
ROCKDALE AVENUE	SB	C,D	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	FY	
MILL STREET	WB	E,F	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	FR	
PEDESTRIAN	ALL	P1-P8	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	OUT	

	TIMING IN SECONDS														
	15	2	61	5	2	10	15	5	2	61	31				
MINIMUM INITIAL PASSAGE															
MAXIMUM 1															
CHANGE															
PEDESTRIAN RECALL															
MEMORY															
DUAL ENTRY															
SIMULTANEOUS GAP OUT DISABLED															

EMERGENCY

KEMPTON STREET AT ROCKDALE AVENUE
LOCATION 2

TABLE 1-2 COORDINATION DATA FOR LOCATION-2
KEMPTON STREET AT ROCKDALE AVENUE

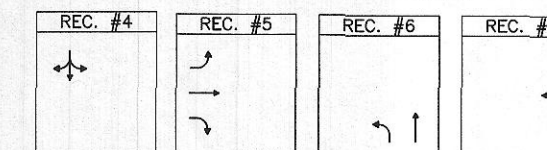
FUNCTION	PURPOSE	OFFSET VALUE IN SECONDS	CYCLE LENGTH						
OFFSET 1	M → F 7am - 9am	0	114						
OFFSET 2	M → F 4pm - 6pm	0	114						

COORD. POINT SHALL BE AT THE END OF THE GREEN OF THE FIRST PHASE, SHOWN BY * BELOW.

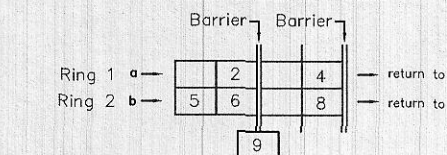
MAXIMUM PHASE TIME IN SECONDS										
FUNCTION	8 ⁵ *		9 ⁵ *		10 ⁵ *		11 ⁵ *		12 ⁵ *	
	W/O PED	W PED	W/O PED	# PED	W/O PED	W PED	W/O PED	W PED	W/O PED	W PED
SPLIT 1	40	29	30	30	40	29	44	31	44	31
SPLIT 2	47	36	22	22	47	36	45	32	45	32

NEW BEDFORD MILL STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.	STP-002S(302)	86	216
PROJECT FILE NO.		605071	

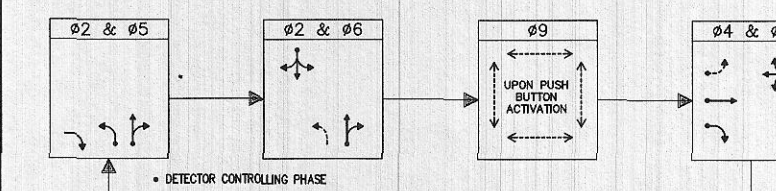
PREEMPTION PHASES



RING STRUCTURE



KEMPTON STREET AT ROCKDALE AVENUE
EXISTING PREFERRED PHASE SEQUENCE



LOOP DETECTOR DATA								
DETECTION ZONE	NO. OF SEGMENTS	LOOP SIZE	SPLICE PATTERN	NO. OF TURNS	# CALLED	# EXT.	DELAY TIME	EXT. TIME
⑥	2	6'x20'	QUADRUPOLE		6	6	-	-
⑦	2	6'x20'	QUADRUPOLE		4	4	-	-
⑧	2	6'x20'	QUADRUPOLE		4	4	-	-
⑨	2	6'x20'	QUADRUPOLE		4	4	-	-
⑩	2	6'x20'	QUADRUPOLE		5	5	-	-
⑪	2	6'x20'	QUADRUPOLE		2	2	-	-
⑫	2	6'x20'	QUADRUPOLE		8	8	-	-
⑬	3	6'x10'	QUADRUPOLE		4	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	13	14	15	16	17	18	FLASH OPER.
ROCKDALE AVENUE	NB	P	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FR
ROCKDALE AVENUE	NB	J	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FR
ROCKDALE AVENUE	SB	G.H	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	FR
KEMPTON STREET	EB	M	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	FY
KEMPTON STREET	WB	N.O	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	FY
KEMPTON STREET	EB	K.L	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	FY
PEDESTRIAN	ALL	ALL	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	OUT

	TIMING IN SECONDS																				
MINIMUM INITIAL	10	/	/	/	10	/	/	/	5	/	/	/	10	/	/	5	/	/	/	/	
PASSAGE	2	/	/	/	2	/	/	/	2	/	/	/	2	/	/	2	/	/	/	/	
MAXIMUM 1	65	/	/	/	39	/	/	/	25	/	/	/	65	/	/	39	/	/	/	/	
CHANGE		3.3	2.4			3.2	2.1			3.3	2.4			3.3	2.4			3.2	2.1		
PEDESTRIAN																		5	18	1	
RECALL		SOFI			OFF				OFF				SOFI			NON-LOCKING		OFF			
MEMORY		NON-LOCKING			NON-LOCKING				NON-LOCKING				NON-LOCKING			NON-LOCKING		LOCKING			
DUAL ENTRY		OFF			OFF				OFF				OFF			OFF		OFF			
SIMULTANEOUS GAP OUT DISABLED		YES			YES				YES				YES			YES		YES			

EMERGENCY