

MILL STREET AT COUNTY STREET LOCATION 5

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

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

	10	5	10	5	10	5	10	5	10	5	10	5	10	5	10	5	10	5
MINIMUM INITIAL	10		5		10		5		10		5		10		5		10	
PASSAGE	2		2		2		2		2		2		2		2		2	
MAXIMUM 1	45		12		45		33											

	3.3	2.2	3.3	2.2	3.3	2.2	3.0	2.2	5	10	1
CHANGE											
PEDESTRIAN	SOFT	OFF	SOFT	OFF	SOFT	OFF	OFF	OFF			
RECALL	NON-LOCKING	NON-LOCKING	NON-LOCKING	NON-LOCKING	NON-LOCKING	NON-LOCKING	LOCKING	LOCKING			
MEMORY	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF			
DUAL ENTRY	YES	YES	YES	YES	YES	YES	YES	YES			
SIMULTANEOUS GAP OUT DISABLED											

EMERGENCY

SEQUENCE AND TIMING

FUNCTION	PURPOSE	OFFSET VALUE IN SECONDS	CYCLE LENGTH	-
OFFSET 1	M → F 7am - 9am	0	90	-
OFFSET 2	M → F 4pm - 6pm	0	75	-

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

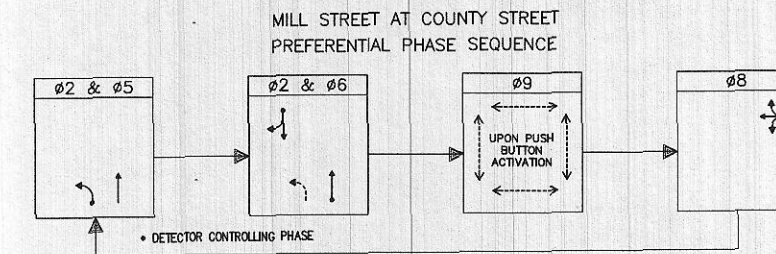
FUNCTION	#2 *				#5 *				#6 *				#8 *			
	W/O PED	W PED	W/O PED	W PED	W/O PED	W PED	W/O PED	W PED	W/O PED	W PED	W/O PED	W/O PED	W PED	W/O PED	W PED	
SPLIT 1	47	36	10	10	47	36	33	28								
SPLIT 2	33	24	10	10	33	24	32	25								

NEW BEDFORD
MILL STREET

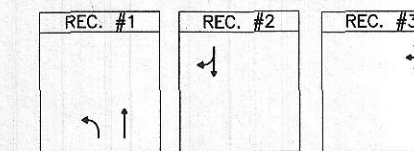
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS	STP-002(3002)	90	216

PROJECT FILE NO. 805071

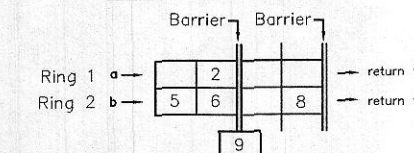
TRAFFIC SIGNAL PLAN
MILL STREET AT COUNTY STREET LOC. 5
KEMPTON STREET AT COUNTY STREET LOC. 6



PREEMPTION PHASES



RING STRUCTURE



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	5	5	-	-	-
(3)	2	6' x 20'	QUADRUPOLE	6	6	-	-	-
(4)	2	6' x 20'	QUADRUPOLE	8	8	-	-	-

KEMPTON STREET AT COUNTY STREET LOCATION 6

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

STREET	DIRECTION	HOUSINGS	1	2	3	4	5	6	7	8	9	10	11	12	FLASH OPER.
COUNTY STREET	NB	G.H	G	Y	R	R	R	R	R	R	R	R	R	R	FY
COUNTY STREET	SB	J.K	R	R	R	R	R	G	Y	R	R	R	R	R	FR
KEMPTON STREET	EB	L	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	N	R	R	R	GR	YR	R	R	R	R	R	R	R	FR
PEDESTRIAN	ALL	P9-P14	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	OUT

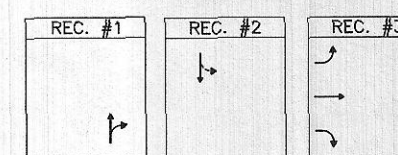
	10	5	10	5	10	5	10	5	10	5	10	5	10	5	10	5	10	5
MINIMUM INITIAL	10		5		10		5		10		5		10		5		10	
PASSAGE	2		2		2		2		2		2		2		2		2	
MAXIMUM 1	45		35		45													

	3.3	2.4	3.3	2.2	3.3	2.4	5	11	1
CHANGE									
PEDESTRIAN	SOFT	OFF	SOFT	OFF	SOFT	OFF	OFF	OFF	
RECALL	NON-LOCKING	NON-LOCKING	NON-LOCKING	NON-LOCKING	NON-LOCKING	NON-LOCKING	LOCKING	LOCKING	
MEMORY	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
DUAL ENTRY	YES	YES	YES	YES	YES	YES	YES	YES	
SIMULTANEOUS GAP OUT DISABLED									

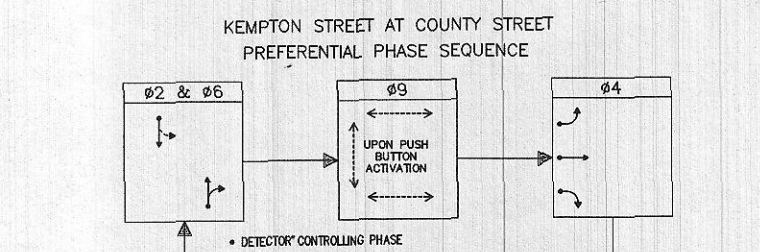
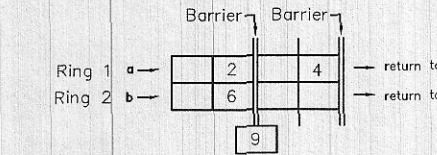
EMERGENCY

SEQUENCE AND TIMING

PREEMPTION PHASES



RING STRUCTURE



LOOP DETECTOR DATA

DETECTION ZONE	NO. OF SEGMENTS	LOOP SIZE	SPLICE PATTERN	NO. OF TURNS	# CALLED	# EXT.	DELAY TIME	EXT. TIME
(5)	2	6' x 20'	QUADRUPOLE	2	2	-	-	-
(6)	2	6' x 20'	QUADRUPOLE	6	6	-	-	-
(7)	2	6' x 20'	QUADRUPOLE	4	4	-	-	-
(8)	2	6' x 20'	QUADRUPOLE	4	4	-	-	-
(9)	2	6' x 20'	QUADRUPOLE	4	4	-	-	-

TABLE 1-6 COORDINATION DATA FOR LOCATION-6
KEMPTON STREET AT COUNTY STREET

FUNCTION	PURPOSE	OFFSET VALUE IN SECONDS	CYCLE LENGTH	
OFFSET 1	M → F 7am - 9am	0	90	-
OFFSET 2	M → F 4pm - 6pm	0	75	-

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

FUNCTION	#2 *		#5 *		#9 *		#8 *	
	W/O PED	W PED	W/O PED	W PED	W/O PED	W PED	W/O PED	W PED
SPLIT 1	64	51	64	51	26	22		
SPLIT 2	54	38	54	38	21	20		

MASTER LOCATION FOR LOCATIONS 5 AND 6.