

MILL STREET AT COUNTY STREET LOCATION 5

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	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/GL	R/YL	R	R	R	R	R	R	R	R	R	R	FY
COUNTY STREET	SB	C,D	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	FY
MILL STREET	WB	E,F	R	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	DW	W	FDW	DW	OUT

MINIMUM INITIAL 10
PASSAGE 2
MAXIMUM 1 45

CHANGE PEDESTRIAN 3.3 2.2 3.3 2.2 3.3 2.2 3.0 2.2 5 10 1

RECALL SOFT OFF SOFT OFF OFF
MEMORY NON-LOCKING NON-LOCKING NON-LOCKING NON-LOCKING LOCKING
DUAL ENTRY OFF OFF OFF OFF OFF
SIMULTANEOUS GAP OUT DISABLED YES YES YES YES YES

EMERGENCY

TABLE 1-5 COORDINATION DATA FOR LOCATION-5
MILL 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.

MAXIMUM PHASE TIME IN SECONDS

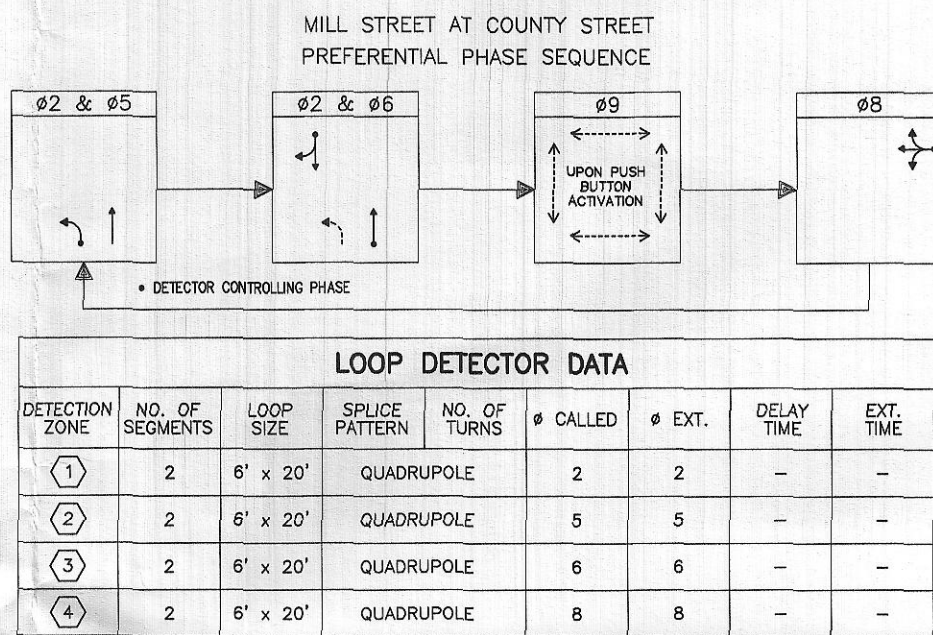
FUNCTION	W/O PED	W PED	W/O PED	W PED	W/O PED	W PED	W/O PED	W PED
SPLIT 1	47	36	10	10	47	36	33	28
SPLIT 2	33	24	10	10	33	24	32	25

NEW BEDFORD
MILL STREET

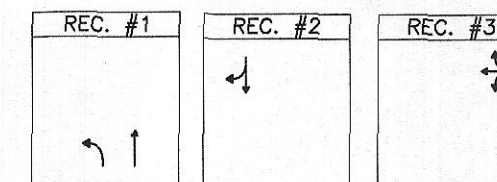
STATE	FED. AID. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS.	XXX-XXXX	2011	90	188

PROJECT FILE NO. 605071

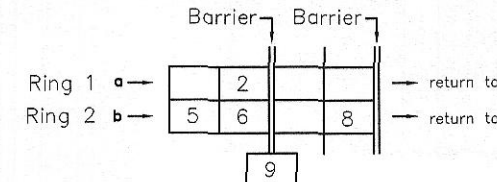
TRAFFIC SIGNAL PLAN
MILL STREET AT COUNTY STREET LOC. 5
KEMPTON STREET AT COUNTY STREET LOC. 6



PREEMPTION PHASES



RING STRUCTURE



KEMPTON STREET AT COUNTY STREET LOCATION 6

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.
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	R	G	Y	R	R	R	R	FY
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

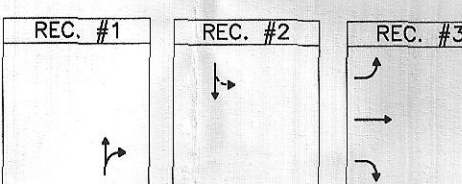
MINIMUM INITIAL 10
PASSAGE 2
MAXIMUM 1 45

CHANGE PEDESTRIAN 3.3 2.4 3.3 2.2 3.3 2.4 5 11 1

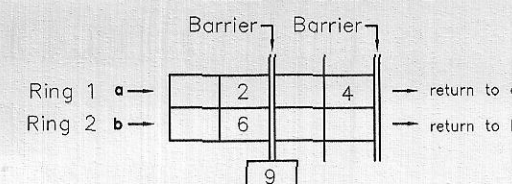
RECALL SOFT OFF SOFT OFF OFF
MEMORY NON-LOCKING NON-LOCKING NON-LOCKING LOCKING
DUAL ENTRY OFF OFF OFF OFF OFF
SIMULTANEOUS GAP OUT DISABLED YES YES YES YES YES

EMERGENCY

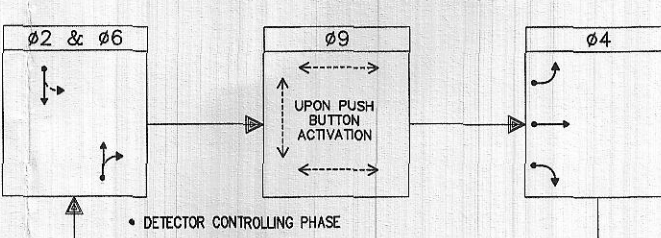
PREEMPTION PHASES



RING STRUCTURE



KEMPTON STREET AT COUNTY STREET PREFERENTIAL PHASE SEQUENCE



LOOP DETECTOR DATA

DETECTION ZONE	NO. OF SEGMENTS	LOOP SIZE	SPLICE PATTERN	NO. OF TURNS	φ CALLED	φ 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.

MAXIMUM PHASE TIME IN SECONDS

FUNCTION	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