

PUB. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	MASS.		19	24	28

TRAFFIC SIGNALIZATION

LOCATIONS 11, 12 & 13

(COUNTY ST. & KEMPTON ST.)
SIGNAL PHASING, SEQUENCE &
TIMING FOR SEMI-ACTUATED
TRAFFIC SIGNAL CONTROL

STREETS	DIRECTION	FACES	VEH. ROW	PHASE A				PHASE B				PHASE C				FLASH
				PED. CLR.	CLR. YEL.	CLR. GRN.	CLR.	PED. ROW	CLR. 1	CLR. 2	VEH. ROW	PED. CLR.	CLR. 1	CLR. 2		
County Street	N.B	C,D	G	G	Y	R	R	R	R	R	R	R	R	R	R	Y
County Street	S.B	A,B	G	G	G	Y	R	R	R	R	R	R	R	R	R	Y
Kempton Street	E.B	E,F	R	R	R	R	R	R	R	R	R	R	G	G	Y	R
Pedestrian P1			D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	W.K.	FDW.	D.W.	D.W.	FW	FDW	D.W.	OUT
Pedestrian P2			D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	W.K.	FDW.	D.W.	D.W.	FW	FDW	D.W.	OUT
Pedestrian P3			FW	FDW	D.W.	D.W.	D.W.	D.W.	W.K.	FDW.	D.W.	D.W.	D.W.	D.W.	D.W.	OUT
Pedestrian P4			W.K.	FDW.	D.W.	D.W.	D.W.	D.W.	W.K.	FDW.	D.W.	D.W.	D.W.	D.W.	D.W.	OUT

- * Actuated Pedestrian Walk.
① These Intervals Included Or Omitted Depending If One, Two Or All Controllers At County With Kempton, Mill & North Yield From Phase A. (See Sheet 11).
② Becomes Yellow When Outside Yellow And Clearance Green Intervals Are Omitted.
③ Becomes D.W. If Phase B Is In Use

TIMING IN SECONDS											
INITIAL INTERVAL		15					MIN.			6	
VEHICLE INTERVAL		15					MIN.			4	
MAXIMUM GREEN		40					25			30	
YELLOW CLEAR				3		3			0		3
ALL RED CLEAR						1			0		1
WALK INTERVAL		VARI- ABLE					7			7	
PED. CLEAR			8				9			9	
CLEAR GREEN					5						
DETECTOR							LOCK			LOCK	
RECALL		ON					OFF			OFF	

(COUNTY ST. & NORTH ST.)
SIGNAL PHASING, SEQUENCE &
TIMING FOR SEMI-ACTUATED
TRAFFIC SIGNAL CONTROL

			PHASE A										PHASE B				PHASE C				PHASE D					
STREETS	DIRECTION	FACES	VEH. ROW.	PED. CLR.	OUT. YEL.	CLR. GRN.	CLR. 1	CLR. 2	PED. ROW.	PED. CLR.	CLR. 1	CLR. 2	VEH. ROW.	PED. CLR.	CLR. 1	CLR. 2	VEH. ROW.	PED. CLR.	CLR. 1	CLR. 2	VEH. ROW.	PED. CLR.	CLR. 1	CLR. 2	FLASH	
			G	G	Y	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	G	Y	R	G	G	Y	R
County Street	N.B.	O	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
County Street	N.B.	P	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
County Street	S.B.	M, N	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y
North Street	W.B.	Q, R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	
Pedestrian - P9			D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	W.K.	FDW.	D.W.	D.W.	FW	FDW	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	R
Pedestrian - P10			D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	W.K.	FDW.	D.W.	D.W.	FW	FDW	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	OUT
Pedestrian - P11			W.K.	FDW.	D.W.	D.W.	D.W.	D.W.	W.K.	FDW.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	OUT
Pedestrian - P12			FW	FDW.	D.W.	D.W.	D.W.	D.W.	W.K.	FDW.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	D.W.	OUT

- * Actuated Pedestrian Walk.
① Future Use (Actuated Exclusive Pedestrian Phase).
② These Intervals Included Or Omitted Depending If One, Two Or All Controllers At County With Kempton, Mill & North Yield From Phase A. (See Sheet 11).
③ Becomes Yellow When Outside Yellow & Clearance Green Intervals Are Omitted.
④ Becomes D.W. If Phase B Is In Use.
⑤ Becomes G If Phase D Is Next.
⑥ Becomes Y If Phase A Is Skipped.

TIMING IN SECONDS											
INITIAL INTERVAL		15					MIN.			6	
VEHICLE INTERVAL		15					MIN.			4	
MAXIMUM GREEN		40					25			30	
YELLOW CLEAR				3		3			0		3
ALL RED CLEAR						1			0		1
WALK INTERVAL		VARI- ABLE					7			7	
PED. CLEAR			6				10			10	
CLEAR GREEN											
DETECTOR							LOCK			LOCK	
RECALL		ON					OFF			OFF	

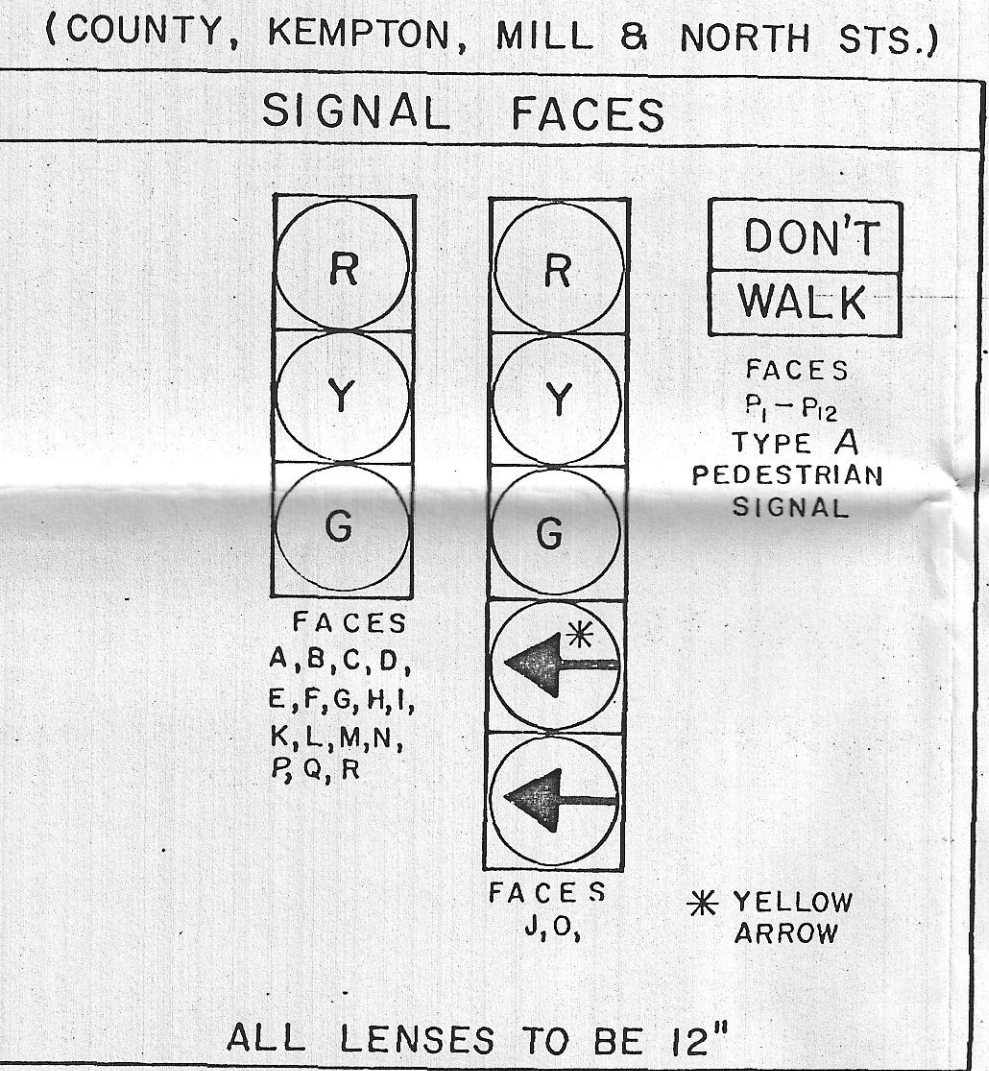
(COUNTY ST. & MILL ST.)
SIGNAL PHASING, SEQUENCE &
TIMING FOR SEMI-ACTUATED
TRAFFIC SIGNAL CONTROL

STREETS	DIRECTION	FACES	PHASE A								PHASE B								PHASE C								PHASE D								CLEARANCE FROM A				CLR. FROM B		CLR. FROM C		CLEARANCE FROM D				HOLD		RELEASE TO PHASE A				FLASH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
			VEH. R.O.W.	PED. CLR.	OUT. YEL.	CLR. GRN.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2		VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2	VEH. R.O.W.	PED. CLR.	CLR. 1	CLR. 2

- * Actuated Pedestrian Walk.
① Future Use (Actuated Exclusive Pedestrian Phase).
② These Intervals Included Or Omitted Depending If One, Two Or All Controllers At County With Kempton, Mill & North Yield From Phase A. (See Sheet 11).
③ Becomes Yellow When Outside Yellow & Clearance Green Intervals Are Omitted.
④ Becomes D.W. If Phase B Is In Use.
⑤ Becomes G If Phase D Is Next.
⑥ Becomes Y If Phase A Is Skipped.
⑦ Becomes Red If Only South Bound Clearance Timer Is Omitted And Phase B, C, Or Pre-emption Is Next.
⑧ Becomes Red If Only North Bound Clearance Timer Is Omitted And Phase B, C, Or Pre-emption Is Next.
⑨ Becomes Red If Only South Bound Clearance Timer Is Omitted And Phase B, C, Or Pre-emption Is Next.
⑩ Becomes Red If Only North Bound Clearance Timer Is Omitted And Phase B, C, Or Pre-emption Is Next.

TIMING IN SECONDS											
INITIAL INTERVAL		15					MIN.			6	
VEHICLE INTERVAL		15					MIN.			4	
MAXIMUM GREEN		40					25			30	
YELLOW CLEAR				3		3			0		3
ALL RED CLEAR						1			0		1
WALK INTERVAL		VARI- ABLE					7			7	
PED. CLEAR			6				6			6	
CLEAR GREEN					3						
DETECTOR							LOCK			LOCK	
RECALL		ON					OFF			OFF	

Δ Displayed And Timed Prior To Vehicle Clearances.



IN CHARGE OF DL
DESIGNED BY TL
CHECKED BY ABR
DRAWN BY EG
CHECKED BY JFL