

MACARTHUR DRIVE PEDESTRIAN CROSSING

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

		#2		#6		#9			N
		←		→		↑		↓	LINK
									MACARTHUR

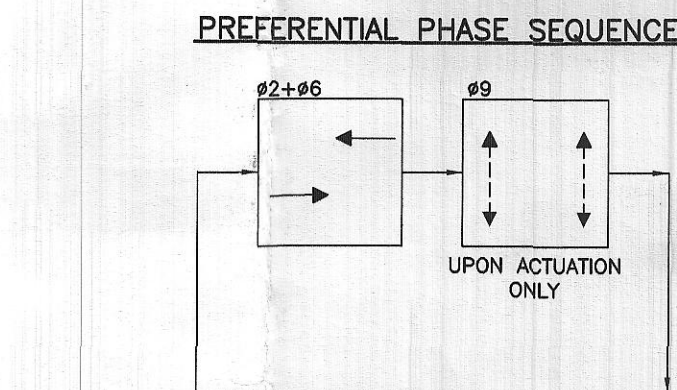
SEQUENCE AND TIMING												
STREET	DIRECTION	HOUSINGS	1	2	3	4	5	6	7	8	9	FLASHING OPERATION
MACARTHUR DRIVE	NB	G,H	R	R	R	GV	Y	R	R	R	R	FY
MACARTHUR DRIVE	SB	J,K	GV	Y	R	R	R	R	R	R	R	FY
PEDESTRIAN	E-W	P ₁ -P ₂ ,P ₃ -P ₄	DW	DW	DW	DW	DW	DW	W	FDW	DW	OFF

TIMING IN SECONDS												
MINIMUM INITIAL PASSAGE		25				25						EMERGENCY
MAXIMUM 1 AM PEAK (7:00-10:00 AM)												
MAXIMUM 2 PM PEAK (4:00-7:00 PM)												
MAXIMUM 3 OFF PEAK (ALL OTHER TIMES)												
CLEARANCE			4	2			4	2			1	
PEDESTRIAN									7	11	1	
RECALL			ON			ON			OFF			
MEMORY									LOCKING			

PROGRAM/COORDINATION									
PHASE SPLITS IN SECONDS									
HOURS OF OPERATION	PATTERN NO.	CYCLE LENGTH	OFFSET	#2	#6	#9			
7:00-10:00 AM	1	-	-	-	-	-			
4:00-7:00 PM	2	-	-	-	-	-			

NOTES:
① PEDESTRIAN PHASES SHALL OPERATE UPON PUSHBUTTON ACTUATION ONLY.

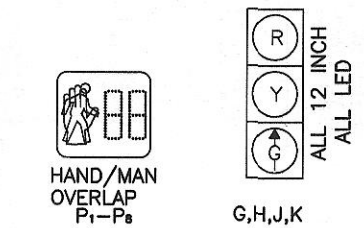
TRAFFIC CONTROLLER DATA	
PARAMETER	SELECTION
PHASE ASSIGNMENTS	STD. NEMA
OVERLAPS	STD. NEMA
RINGS	2
SIMULTANEOUS GAP OUT DISABLED	-
ALL RED REST	OFF
MAX. II BY INTERNAL CLOCK	YES
NIGHT TIME FLASH BY INTERNAL CLOCK	NO



PRE-EMPTION NOTES:
① IN RESPONSE TO A PRE-EMPTION SIGNAL RECEIVED BY THE OPTICAL DETECTOR, THE CONTROLLER SHALL HOLD OR ADVANCE TO AND HOLD IN THE EMERGENCY PRE-EMPTION PHASE GREEN INTERVAL FOR A PERIOD OF TEN SECONDS AFTER THE PRE-EMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME THE PRE-EMPTION CLEARANCE INTERVAL AND RESUME NORMAL OPERATION.
2. THE FULL PEDESTRIAN OR VEHICLE CLEARANCE INTERVAL SHALL BE PROVIDED ON ANY PHASE THAT IS TERMINATED BY AN EMERGENCY PRE-EMPTION.
3. PRE-EMPTION PRIORITY FOR VEHICLES WILL BE ASSIGNED BY THE CITY OF NEW BEDFORD.

EMERGENCY PRE-EMPTION									
#2		#6							
←		→							
CH D					CH E				
R	R	R	GV	Y	R				
GV	Y	R	R	R	R				
DW	DW	DW	DW	DW	DW				
10		10							
①		①							
4	2		4	2					
NEXT PHASE					NEXT PHASE				
#2					#2				

SIGNAL IDENTIFICATION



1. ALL SIGNALS SHALL HAVE CUT AWAY VISORS.
2. ALL SIGNALS SHALL HAVE 5" LOUVERED BACKPLATES
3. ALL SIGNALS SHALL BE RIGIDLY MOUNTED

816.03 - MAJOR ITEMS

QTY	DESCRIPTION
1 EA	REMOVE & DISPOSE SIGNAL POST FOUNDATION
3 EA	REMOVE & DISPOSE MAST ARM FOUNDATION
1 EA	REMOVE & DISPOSE TRAFFIC SIGNAL CABINET FOUNDATION
4 EA	12" 3-SECTION LED VEHICLE INDICATION
4 EA	16" LED COUNTDOWN PEDESTRIAN SIGNAL INDICATION
4 EA	PEDESTRIAN PUSHBUTTON, SIGN, & SADDLE
2 EA	8" ORNAMENTAL TRAFFIC SIGNAL POST AND BASE WITH FOUNDATION (PAINTED BLACK)
2 EA	20" ORNAMENTAL TYPE 2 STEEL MAST ARM WITH FOUNDATION (PAINTED BLACK)
1 EA	REMOVE & STACK SIGNAL POST, BASE, AND HOUSINGS
3 EA	REMOVE & STACK MAST ARM ASSEMBLY & HOUSINGS
1 EA	REMOVE & STACK CONTROLLER CABINET ASSEMBLY
480 LF	TRAFFIC SIGNAL CABLE
1 EA	NEMA TS2 TYPE-1 CONTROLLER IN NEW CABINET WITH NEW FOUNDATION
4 EA	LOUVERED BACKPLATES
3 EA	PULL BOX (12" X 24")
1 EA	115 VAC ELECTRICAL SERVICE (UNDERGROUND)
1 EA	EMERGENCY PRE-EMPTION SYSTEM

PLUS ALL OTHER MISCELLANEOUS EQUIPMENT NECESSARY FOR A COMPLETE AND OPERATING TRAFFIC CONTROL SIGNAL.