

NOTE: REMOVE AND STACK ALL EXISTING TRAFFIC SIGNAL EQUIPMENT.

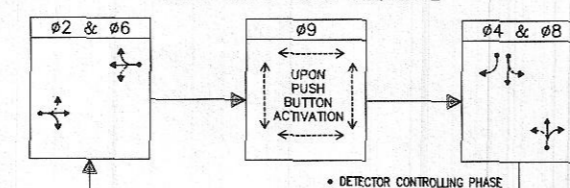
GRAPHIC SCALE

(IN FEET)

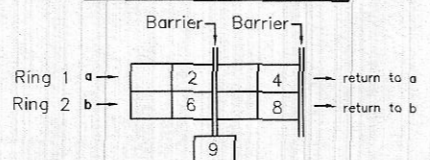
1 inch = 20 ft.

LOCATION 1

HAWTHORN STREET AT BROWNELL AVENUE
PREFERENTIAL PHASE SEQUENCE



RING STRUCTURE



MAJOR ITEMS REQUIRED	
QUANTITY	DESCRIPTION
1	TRAFFIC CONTROLLER & CABINET NEMA TS2-TYPE 1
1	ASSEMBLY w/FOUNDATION, CONCRETE PAD & ELECTRIC METER
1	OVERHEAD SERVICE CONNECTION TO U.P. W/ PHONE DROP
1	30' MAST ARM ASSEMBLY, BASE & FDN.
2	25' MAST ARM ASSEMBLY, BASE & FDN.
1	20' MAST ARM ASSEMBLY, BASE & FDN.
5	8' SIGNAL POST, BASE & FDN.
2	10' SIGNAL POST, BASE & FDN.
14	SIGNAL HEAD, 3 SECTION LED
10	INTERNATIONAL SYMBOL PEDESTRIAN HOUSING LED
8	PEDESTRIAN PUSH BUTTON, SIGN & SADDLE
10	QUADRUPOLE LOOP DETECTORS (6'x20')
2	DUAL CHANNEL PHASE SELECTOR (PREEMPTION)
4	UNIDIRECTIONAL SINGLE CHANNEL OPTICAL DETECTOR (RECEIVER)-PREEMPTION
5	LOOP DETECTOR AMPLIFIERS
1	EMERGENCY PREEMPTION CONFIRMATION KIT
3	GEOMETRICALLY PROGRAMMED LOUVERS

PLUS ALL MISCELLANEOUS EQUIPMENT AND MATERIAL NECESSARY TO PROVIDE A COMPLETE OPERATING TRAFFIC CONTROL SIGNAL.

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

FULLY-ACTUATED <input checked="" type="checkbox"/>	ISOLATED <input checked="" type="checkbox"/>	#2	#4	#6	#8	#9	EMERGENCY
SEMI-ACTUATED <input type="checkbox"/>	COORDINATED <input type="checkbox"/>						
PRE-TIMED <input type="checkbox"/>	WIRE <input type="checkbox"/> RADIO <input type="checkbox"/>						

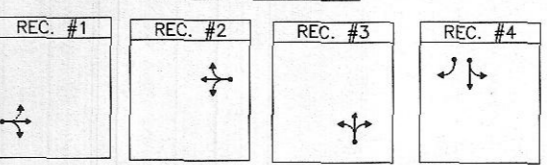
SEQUENCE AND TIMING															
STREET	DIRECTION	HOUSINGS	1	2	3	4	5	6	7	8	9	10	11	12	FLASH OPER.
AWTHORN STREET	EB	A,B,M	G	Y	R	R	R	R	R	R	R	R	R	R	FY
AWTHORN STREET	WB	C,D,J	R	R	R	R	R	R	G	Y	R	R	R	R	FY
ROWNELL AVENUE	SB	E,F,K,L,P	R	R	R	G	Y	R	R	R	R	R	R	R	FR
ROWNELL AVENUE	NB	G,H,N	R	R	R	R	R	R	R	R	G	Y	R	R	FR
EDESTRIAN	ALL	P1-P10	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	OUT
TIMING IN SECONDS															
MINIMUM INITIAL			10			6			10			6			
ASSAGE			2			2			2			2			
AXIMUM 1			33			47			33			47			
CHANGE															
EDESTRIAN						3.6	2.4								
ECALL															
MEMORY															
DUAL ENTRY															
SIMULTANEOUS GAP OUT DISABLED															
					</										

NEW BEDFORD HAWTHORN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MASS.	SOP-0022(008)X	42	92
	STP-0022(008)X		
	PROJECT FILE NO. 804293		

TRAFFIC SIGNAL PLAN 1

TRAFFIC CONTROLLER DATA	
PARAMETER	SELECTION
PHASE ASSIGNMENTS	STD. NEMA
OVERLAPS	STD. NEMA
RINGS	DUAL
DUAL ENTRY	OFF
SIMULTANEOUS GAP OUT DISABLED	YES
ALL RED REST	OFF
RED REVERT-# OF SECONDS	-
MINIMUM YELLOW IN SECONDS	3
MAX # BY INTERNAL CLOCK	NO
NIGHT TIME FLASH BY INTERNAL CLOCK	NO

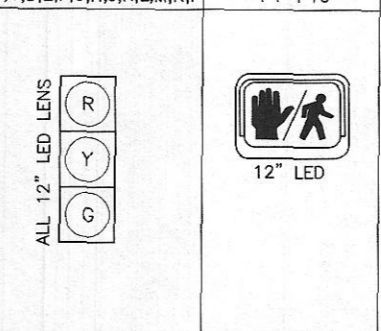
PREEMPTION PHASES



NOTE: ONCE PREEMPTION HAS CLEARED, NORMAL OPERATION SHALL START UP IN THE MAINLINE GREEN PHASE (02 & 06).

PROPOSED SIGNALS

A,B,C,D,E,F,G,H,I,K,L,M,N,P



ALL OVERHEAD SIGNALS SHALL BE EQUIPPED WITH 5" LOUVERED BACKPLATES. SIGNAL HEADS B,C,H SHALL BE EQUIPPED WITH GEOMETRICALLY PROGRAMMED LOUVERS