

JOHN F. KENNEDY MEMORIAL HIGHWAY AT UNION STREET

FULLY-ACTUATED <input checked="" type="checkbox"/> COORDINATED <input checked="" type="checkbox"/>		SEMI-ACTUATED <input type="checkbox"/> ISOLATED <input type="checkbox"/>		PRE-TIMED <input type="checkbox"/>											
SEQUENCE AND TIMING															
STREET	DIRECTION	HOUSINGS	1	2	3	4	5	6	7	8	9	10	11	12	FLASHING OPERATION
JFK MEMORIAL HIGHWAY	NB	E,F	R	R	R	R	R	R	GV	Y	R	R	R	R	FY
JFK MEMORIAL HIGHWAY	SB	A	GV	Y	R	R	R	R	R	R	R	R	R	R	FY
JFK MEMORIAL HIGHWAY	SB	B	G	Y	R	R	R	R	R	R	R	R	R	R	FY
UNION STREET	EB	C,D	R	R	R	G	Y	R	R	R	R	R	R	R	FR
PEDESTRIAN	N-S	P ₂ -P ₃	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	OFF
PEDESTRIAN	E-W	P ₁ -P ₁₀ ,P ₄ -P ₅	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	OFF
TIMING IN SECONDS															
MINIMUM INITIAL PASSAGE			10			8		10			-				EMERGENCY
MAXIMUM 1 AM PEAK (7:00-10:00 AM)			2			2		2			-				
MAXIMUM 2 PM PEAK (4:00-7:00 PM)			40			22		40			-				
MAXIMUM 3 OFF PEAK (ALL OTHER TIMES) ②			50			32		50			-				
CLEARANCE			35			17		35			-				
PEDESTRIAN				4	2		4	2		4	2		7	20	1
RECALL (SOFT)				ON	OFF		ON	OFF		ON	OFF				
MEMORY				NON-LOCKING	NON-LOCKING		NON-LOCKING	NON-LOCKING		NON-LOCKING	NON-LOCKING				
PROGRAM/COORDINATION															
HOURS OF OPERATION	PATTERN NO.	CYCLE LENGTH	OFFSET	PHASE SPLITS IN SECONDS											
7:00-10:00 AM	1	100	80	Ø2		Ø4		Ø6		Ø9					
4:00-7:00 PM	2	120	0	46		26		46		28					
ALL OTHER TIMES	3	90	0	54		38		54		28					
				41		23		41		26					

NOTES:

- ① PEDESTRIAN PHASES SHALL OPERATE UPON PUSHBUTTON ACTUATION ONLY.
- ② FREE OPERATION DURING OFF PEAK HOURS.

LOOP DETECTOR DATA

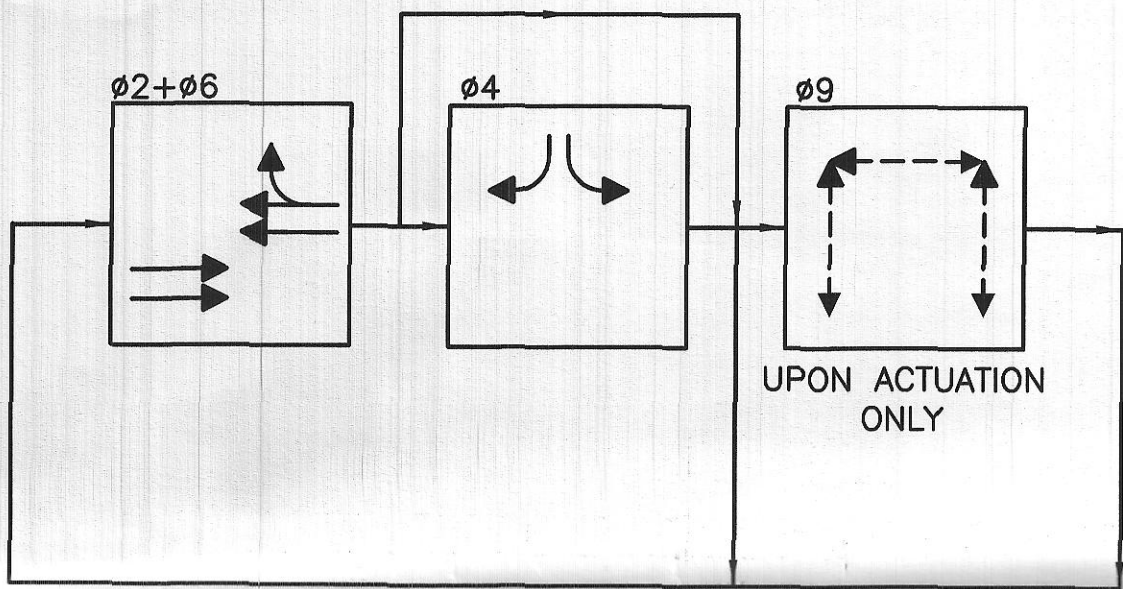
SEE PLAN SHEET-LOOP DETECTOR DETAILS FOR LOOP CONSTRUCTION. SPLICING, DETAILS & NOTES. DELAY TIME EFFECTIVE ONLY DURING CALLED Ø RED. TIME IN SEC.

DETECTOR NUMBER	NUM. OF SEGMENTS	SPLICE PATTERN	LOOP SIZE (FTXFT)	NUM. OF TURNS	Ø CALLED	Ø EXT.	MODE A=PULSE B=PRESENCE	LOOP CHANNEL	DELAY TIME	EXT. TIME
1	2	SERIES/ PARALLEL	6X23	2-4-2	Ø2	Ø2	B	1	-	
1A	2	SERIES/ PARALLEL	6X23	2-4-2	Ø2	Ø2	B	2	-	
2	2	SERIES/ PARALLEL	6X23	2-4-2	Ø6	Ø6	B	1	-	
2A	2	SERIES/ PARALLEL	6X23	2-4-2	Ø6	Ø6	B	2	-	
3	2	SERIES/ PARALLEL	6X23	2-4-2	Ø4	Ø4	B	1	-	
3A	2	SERIES/ PARALLEL	6X23	2-4-2	Ø4	Ø4	B	2	-	

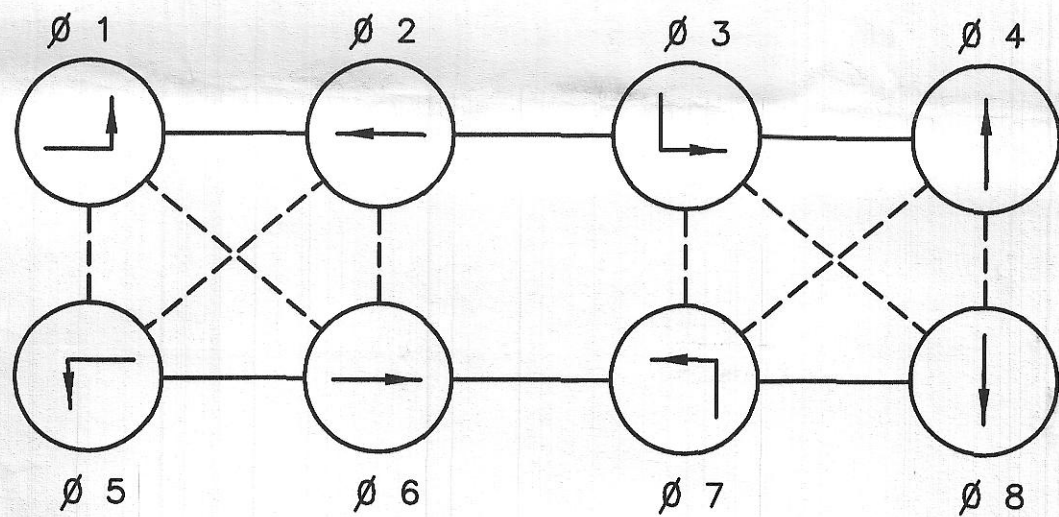
TRAFFIC CONTROLLER DATA

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

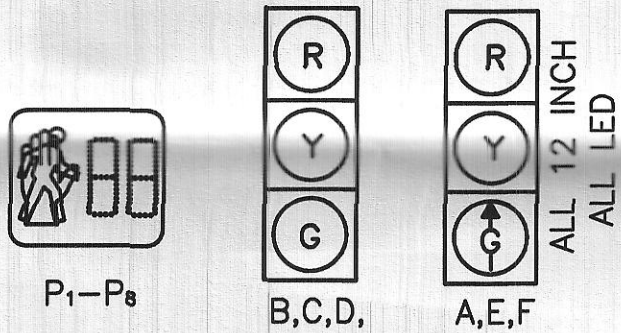
PREFERENTIAL PHASE SEQUENCE



NEMA DUAL RING PHASING NOTES:



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

816.01 - MAJOR ITEMS

QTY	DESCRIPTION
4 EA	REMOVE & DISPOSE SIGNAL POST FOUNDATION
3 EA	REMOVE & DISPOSE MAST ARM FOUNDATION
1 EA	REMOVE & DISPOSE TRAFFIC SIGNAL CABINET FOUNDATION
800 LF	FURNISH & INSTALL LOOP FEEDER CABLE
6 EA	12" 3-SECTION LED VEHICLE INDICATION
6 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)
1 EA	25' ORNAMENTAL TYPE 2 STEEL MAST ARM WITH FOUNDATION (PAINTED BLACK)
1 EA	30' ORNAMENTAL TYPE 2 STEEL MAST ARM WITH FOUNDATION (PAINTED BLACK)
1 EA	35' ORNAMENTAL TYPE 2 STEEL MAST ARM WITH FOUNDATION (PAINTED BLACK)
4 EA	REMOVE & STACK SIGNAL POST, BASE, AND HOUSINGS
3 EA	REMOVE & STACK MAST ARM ASSEMBLY & HOUSINGS
1 EA	REMOVE & STACK CONTROLLER CABINET ASSEMBLY
650 LF	TRAFFIC SIGNAL CABLE
1 EA	NEMA TS2 TYPE-2 8DW CONTROLLER WITH FOUNDATION
3 EA	DUAL CHANNEL LOOP DETECTOR AMPLIFIER-RACK MOUNTED
6 EA	LOUVERED BACKPLATES
17 EA	PULL BOX (12" X 24")
1,100 LF	WIRE LOOP INSTALLED IN ROADWAY
1 EA	115 VAC ELECTRICAL SERVICE (UNDERGROUND)
1 EA	CLOSED LOOP MASTER
980 LF	30PR-#22 AWG INTERCONNECT CABLE
PLUS ALL OTHER MISCELLANEOUS EQUIPMENT NECESSARY FOR A COMPLETE AND OPERATING TRAFFIC CONTROL SIGNAL.	