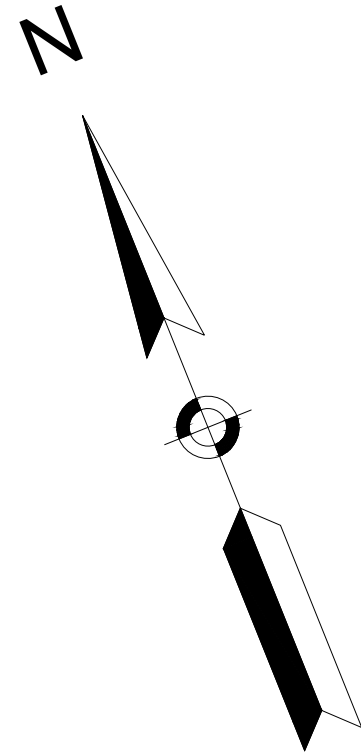
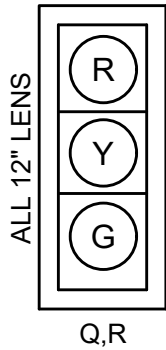


TRAFFIC SIGNAL NOTES:

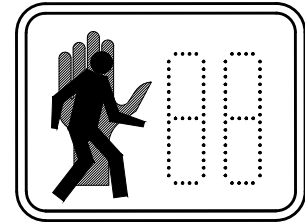
1. RETAIN ALL EXISTING SIGNAL EQUIPMENT AT THE INTERSECTION OF FOREST STREET / HIGH STREET / SALEM STREET / RIVERSIDE AVENUE / MAIN STREET UNLESS OTHERWISE NOTED.
2. RETAIN ALL EXISTING CONDUITS AND HANDHOLE SYSTEM UNLESS OTHERWISE NOTED.
3. CONSTRUCTION OF THE TRAFFIC CONTROL SIGNAL SYSTEM SHALL CONFORM TO THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION'S (MASSDOT) "STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES", 2024 EDITION AS AMENDED, AND THE 2009 FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", (MUTCD) LATEST EDITION AS AMENDED.
4. ALL PROPOSED VEHICLE INDICATIONS SHALL BE EQUIPED WITH 5" NON-LOUVERED BACKPLATES WITH 3" YELLOW RETRO-REFLECTIVE BORDER TAPES.
5. POLE MOUNTED SIGNALS SHALL BE MOUNTED TO PROVIDE A 2 FOOT MINIMUM CLEARANCE BETWEEN VERTICAL PROJECTION OF THE CURB LINE AND SIGNAL VISOR. PROVIDE SPECIAL MOUNTING HARDWARE AS REQUIRED.
6. THE PROPOSED ACCESSIBLE PUSH BUTTONS SHALL BE CONSTRUCTED AT AN ACCESSIBLE HEIGHT AND REACH PER AAB 521 CMR 21.10.3 AND 521 CMR 21.10.4 GUIDANCES. CONTRACTOR SHALL INSTALL PUSH BUTTON EXTENDER AS NEEDED.
7. CONTRACTOR SHALL ADJUST EXISTING CONTROLLER CABINET FOUNDATION AS REQUIRED.
8. CONTRACTOR SHALL RETAIN THE EXISTING SERVICE CONNECTION AND SHALL COORDINATE WITH UTILITY COMPANY IF REQUIRED.
9. SEE SHEETS 12 - 16 FOR SIGN AND PAVEMENT MARKINGS PLANS & SHEET 16 FOR TRAFFIC SIGN SUMMARY.
10. SEE SHEET 2 - 3 FOR LEGENDS, ABBREVIATIONS, AND GENERAL NOTES.



PROP SIGNAL IDENTIFICATION



ONE SECTION DUAL
DISPLAY W/ COUNTDOWN



16" L.E.D
P1,P2,P3,P4,P5,P6,P7,P8
P9,P10,P11,P12,P13,P14,P15,P16

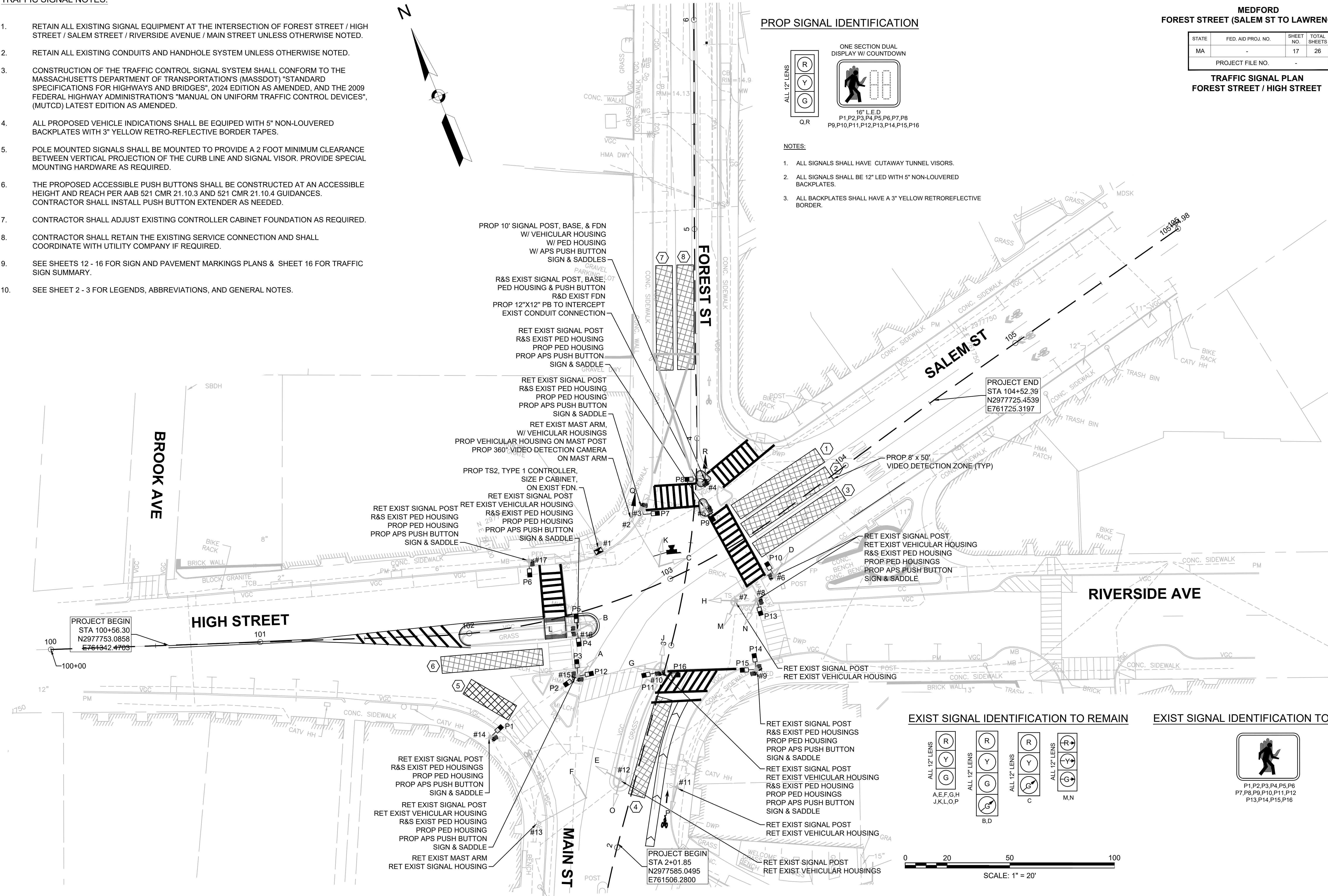
NOTES:

1. ALL SIGNALS SHALL HAVE CUTAWAY TUNNEL VISORS.
2. ALL SIGNALS SHALL BE 12" LED WITH 5" NON-LOUVERED BACKPLATES.
3. ALL BACKPLATES SHALL HAVE A 3" YELLOW RETROREFLECTIVE BORDER.

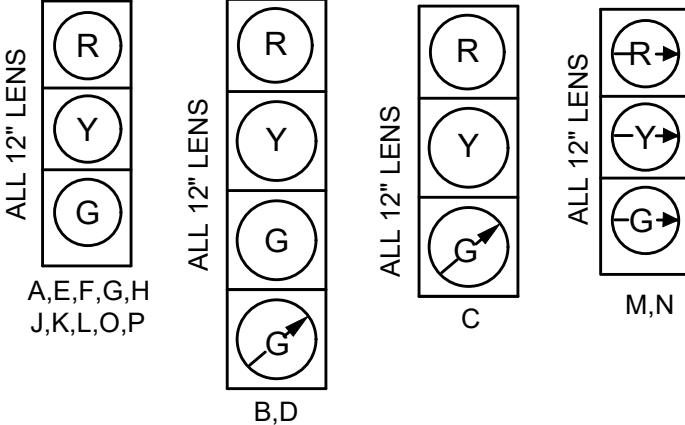
MEDFORD
FOREST STREET (SALEM ST TO LAWRENCE RD)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	17	26
PROJECT FILE NO. -			

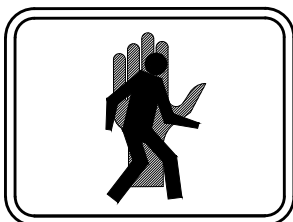
TRAFFIC SIGNAL PLAN
FOREST STREET / HIGH STREET



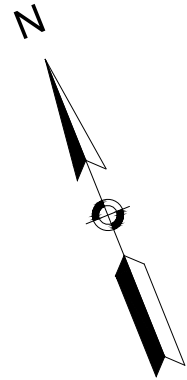
EXIST SIGNAL IDENTIFICATION TO REMAIN



EXIST SIGNAL IDENTIFICATION TO R&S



P1,P2,P3,P4,P5,P6
P7,P8,P9,P10,P11,P12
P13,P14,P15,P16



Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
			NOT USED	NOT USED	NOT USED	NOT USED	NOT USED

MEDFORD
FOREST STREET (SALEM ST TO LAWRENCE RD)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	18	26
PROJECT FILE NO.		-	

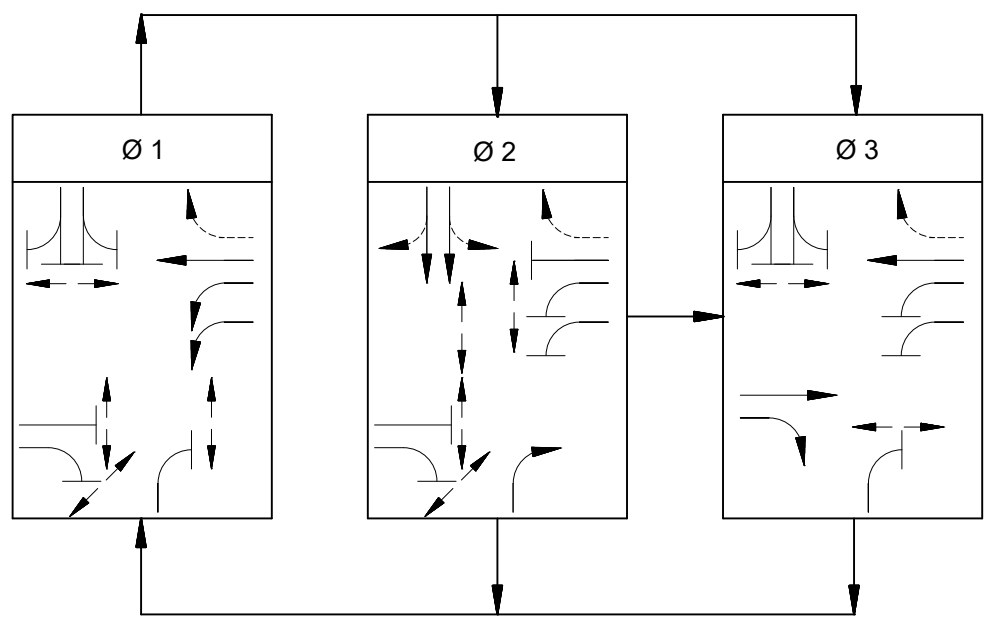
TRAFFIC SIGNAL DATA SEQUENCE PLAN
FOREST STREET / LAWRENCE ROAD

MAJOR ITEMS REQUIRED		
PAY ITEM	QUANTITY	ITEM
816.01	1	TS2, TYPE 1 CONTROLLER & SIZE P CABINET ON EXIST FDN.
	1	10' SIGNAL POLE, BASE, & FDN.
	2	1 WAY, 3 SECTION, SIGNAL HOUSING (12" L.E.D.)
	2	5" 3-SECTION BACKPLATES (NON-LOUVERED) WITH 3" RETROREFLECTIVE BORDER
	16	16" PEDESTRIAN COUNTDOWN HOUSING, TYPE L.E.D. (INT'L SYMBOL)
	13	PEDESTRIAN PUSH BUTTON, SIGN & SADDLES (APS)
	1	VIDEO DETECTION SYSTEM (1 - 360° CAMERA)
811.31	1	12" X 12" PULL BOX
		Plus all necessary duct, cable, labor, miscellaneous material and equipment to complete the installation.

SEQUENCE AND TIMING FOR FULL ACTUATED CONTROL (ISOLATED)																													
STREET	DIRECTION	HOUSINGS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	FLASH OPER.
SALEM STREET	WB	A	G	Y	R	R	R	R	R	R	R	R	R																FY
SALEM STREET	WB	B,D	G/GR	Y	R	R	R	R	R	R	R/GR	R/GR	R/GR																FY
SALEM STREET	WB	C	GR	Y	R	R	R	R	R	R	GR	GR	GR																FY
HIGH STREET	EB	E,F,G,H,L	R	R	R	R	R	R	R	R	G	Y	R																FR
FOREST STREET	SB	J,K,Q,R	R	R	R	G	G	G	Y	R	R	R	R																FR
MAIN STREET	NB	M,N	RR	RR	RR	GR	GR	GR	YR	RR	RR	RR	RR																FRR
MAIN STREET	NB	O,P	R	R	R	G	Y	R	R	R	R	R	R																FR
PEDESTRIAN CROSSING	EB-WB	P7-P8	W/FDW	DW	DW	DW	DW	DW	DW	DW	W/FDW	DW	DW																OFF
PEDESTRIAN CROSSING	NB-SB	P9-P10	DW	DW	DW	W/FDW	FDW	DW	DW	DW	DW	DW	DW																OFF
PEDESTRIAN CROSSING	NB-SB	P13-P14	W/FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW																OFF
PEDESTRIAN CROSSING	EB-WB	P11-P12, P15-P16	DW	DW	DW	DW	DW	DW	DW	DW	W/FDW	DW	DW																OFF
PEDESTRIAN CROSSING	NB-SB	P1-P2,P3-P4	W/FDW	FDW	DW	W/FDW	FDW	FDW	DW	DW	DW	DW	DW																OFF
PEDESTRIAN CROSSING	NB-SB	P5-P6	DW	DW	DW	W/FDW	FDW	FDW	DW	DW	DW	DW	DW																OFF
TIMING IN SECONDS																													
MINIMUM GREEN (INITIAL)			10			15					10																		EMERGENCY ONLY
PASSAGE TIME (VEHICLE)			4			5					4																		
MAXIMUM 1			33			18	3	1			25																		
MAXIMUM 2			67			25	3	1			34																		
YELLOW CLEARANCE				3			3		3			3																	
RED CLEARANCE					3			1		5			3																
WALK (W)			7			15					9																		
PEDESTRIAN CLEARANCE			17			3	3	1			14																		
RECALL																													
MEMORY																													
			MIN			OFF			OFF																				
			NON-LOCKING			NON-LOCKING			NON-LOCKING																				

MAX 1: ALL OTHER TIMES
MAX 2: 6:00 AM - 10:00 AM
PEDESTRIAN SIGNALS REST IN WALK.
FOR PEDESTRIAN SIGNALS THAT SERVE A CROSSING DURING TWO ADJACENT PHASES, SIGNALS SHALL REMAIN IN WALK MODE AND SKIP THE FDW AND DW CLEARANCES FOR THE FIRST OF THOSE PHASES WHEN THE PEDESTRIAN SIGNAL IS CALLED IN BOTH PHASES.
APS PEDESTRIAN PUSHBUTTONS ON POSTS #10 & #16 SHALL HAVE DUAL ARROW INDICATIONS.

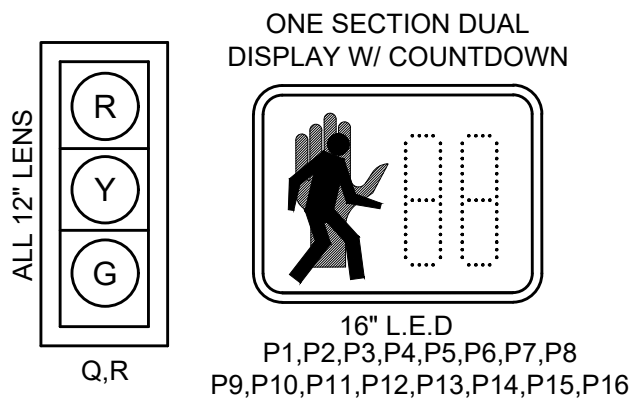
PREFERENTIAL PHASING SEQUENCE



VIDEO DETECTOR DATA

DETECTOR NUMBER	DETECTION ZONE SIZE	Ø CALLED	Ø EXT.
1	8' X 50'	1	1
2	8' X 50'	1	1
3	8' X 50'	1	1
4	8' X 50'	2	2
5	8' X 50'	3	3
6	8' X 50'	3	3
7	8' X 50'	2	2
8	8' X 50'	2	2

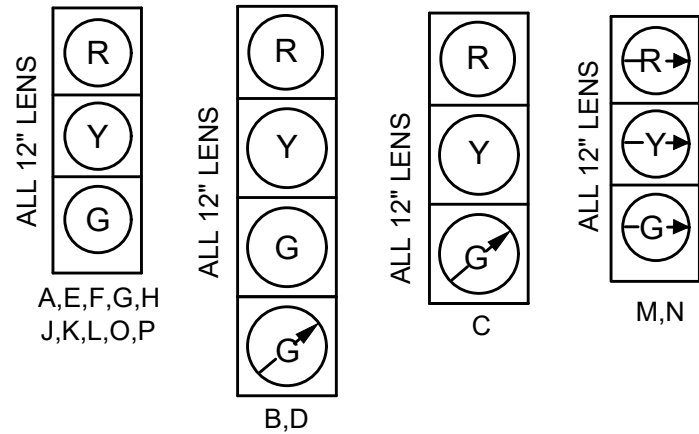
PROP SIGNAL IDENTIFICATION



NOTES:

- ALL SIGNALS SHALL HAVE CUTAWAY TUNNEL VISORS.
- ALL SIGNALS SHALL BE 12" LED WITH 5" NON-LOUVERED BACKPLATES.
- ALL BACKPLATES SHALL HAVE A 3" YELLOW RETROREFLECTIVE BORDER.

EXIST SIGNAL IDENTIFICATION TO REMAIN



EXIST SIGNAL IDENTIFICATION TO R&S

