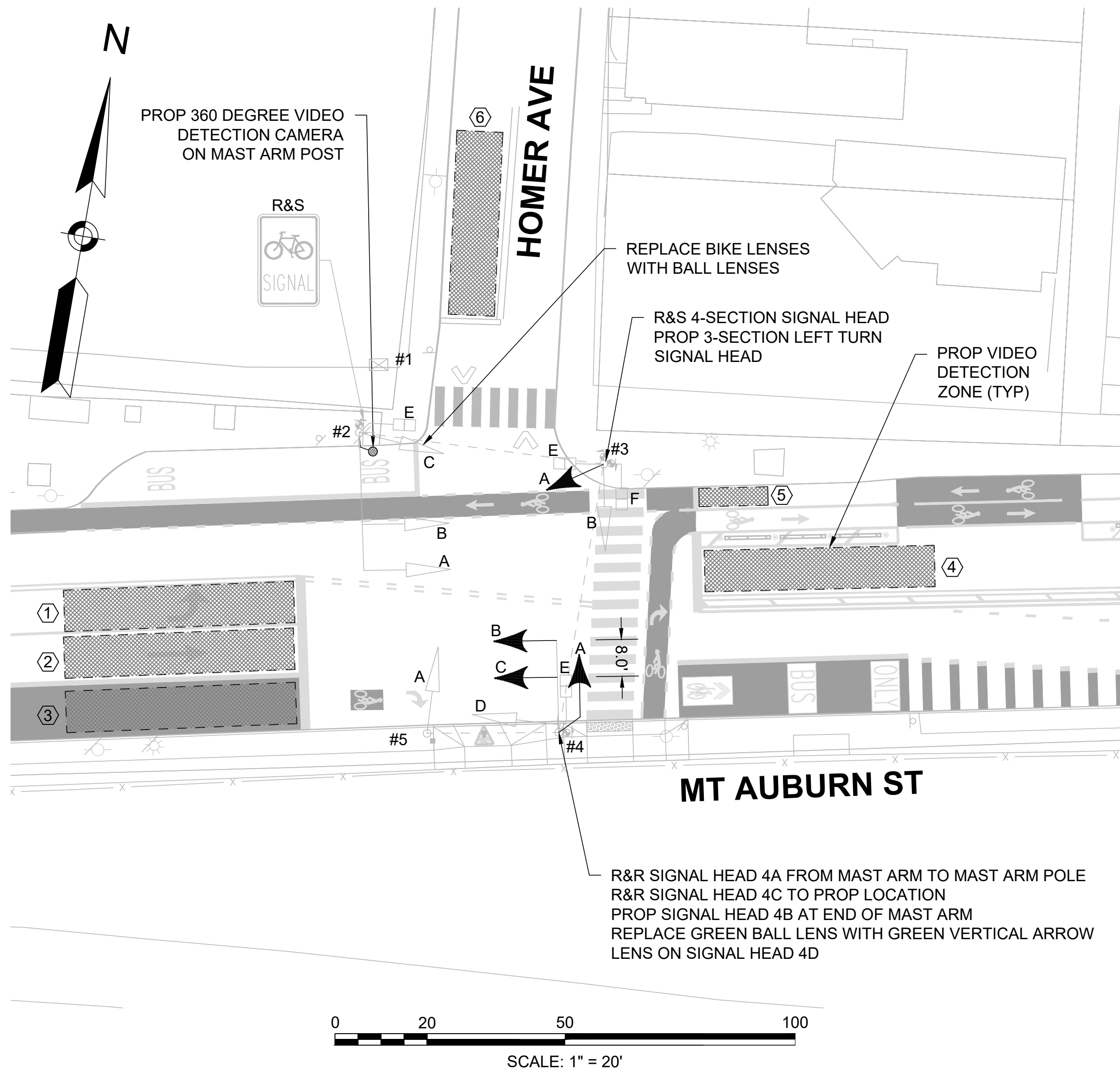
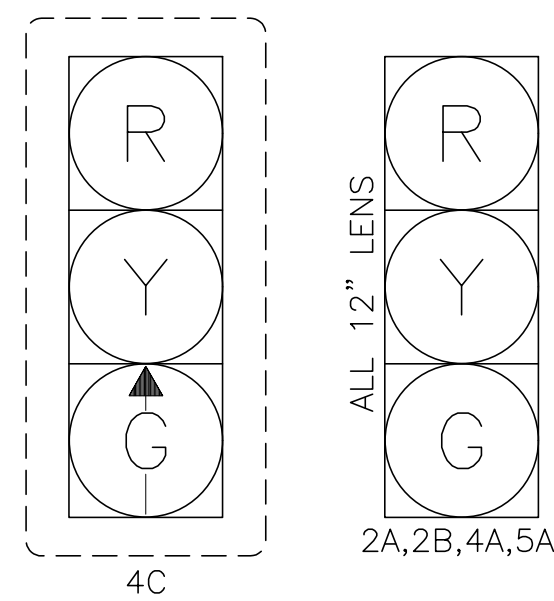


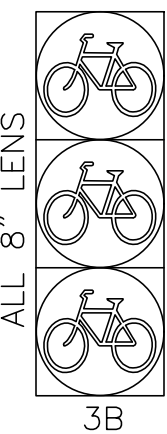


NOTE:
PROPOSED SIGNAL HEAD 4B MOUNTING SHALL BE FIXED AND THE SIGNAL HEAD
SHALL BE ALIGNED WITH THE LEFT TURN LANE

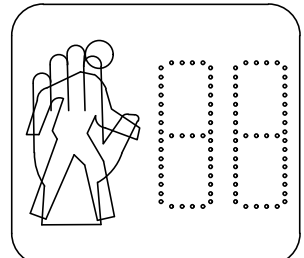
EXISTING SIGNAL FACES



2A,2B,4A,5A

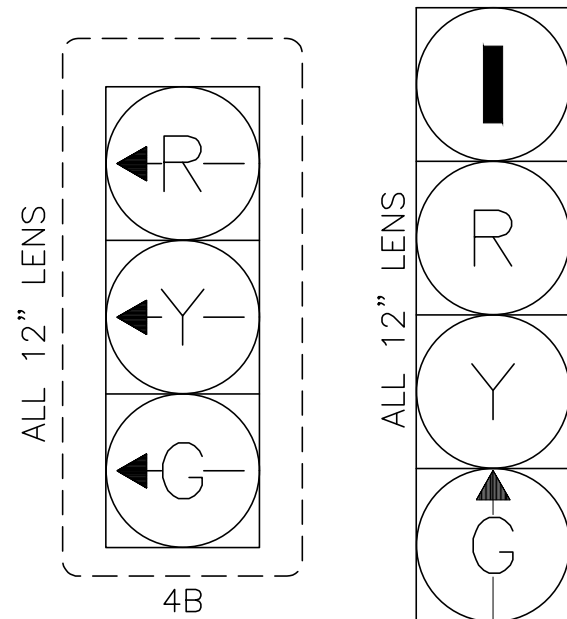


16" SINGLE
SECTION COUNTDOWN

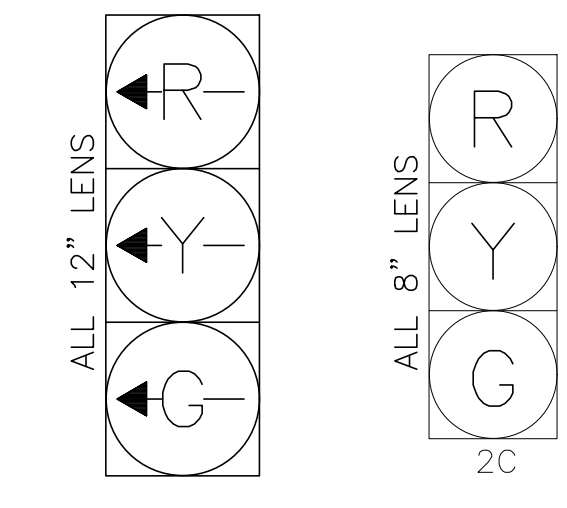


2E,3E,3F,4E

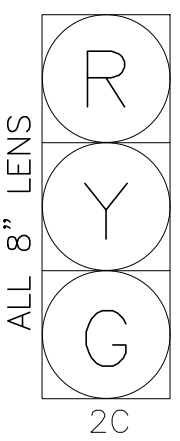
PROPOSED SIGNAL FACES



4D



3A



2C

MAJOR ITEMS REQUIRED	
QUANTITY	ITEM
2	3 SECTION - 12" LENS (RL, YL, GL) SIGNAL HEAD
3	8" VEHICLE SIGNAL HEAD BALL LENSES
1	12" VEHICLE SIGNAL HEAD VERTICAL ARROW LENS
1	TRAFFIC SIGNAL BACKPLATE
1	360 DEGREE VIDEO DETECTION CAMERA
1	360 DEGREE VIDEO DETECTION SYSTEM

PLUS ALL NECESSARY DUCT, CABLE, LABOR, MISCELLANEOUS
MATERIAL AND EQUIPMENT TO COMPLETE THE INSTALLATION.

DETECTOR NUMBER	ø CALLED	ø EXT	MODE A=PULSE B=PRES	DELAY TIME	EXT TIME
①	2	2	B	-	-
②	1	1	B	-	-
③	1	1	B	-	-
④	1	1	B	-	-
⑤	1	1	B	-	-
⑥	3	3	B	-	-

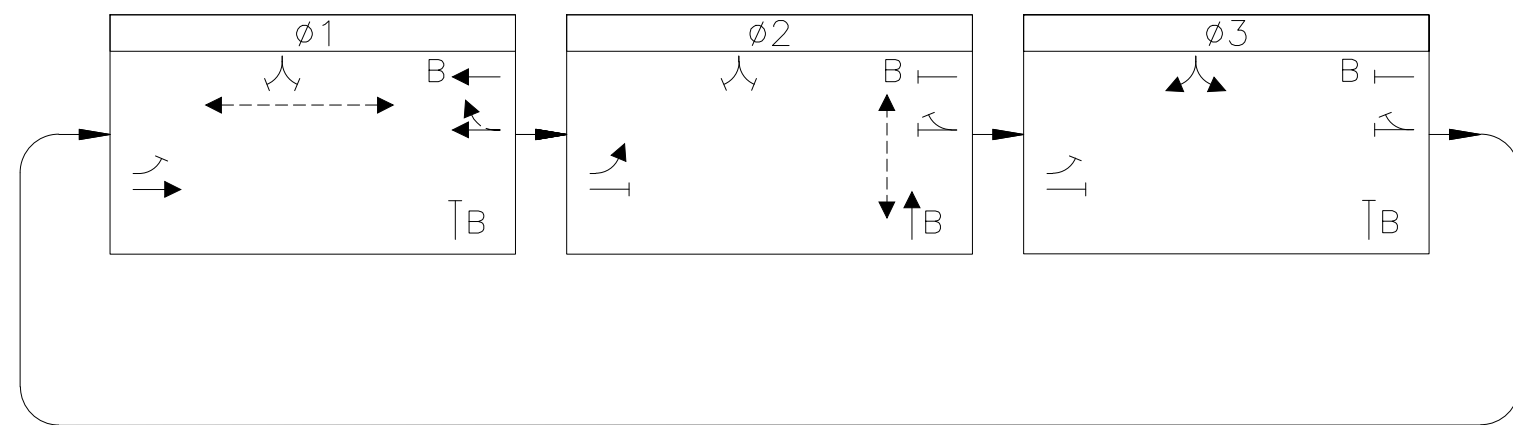
TIMING AND SEQUENCE CHART

STREET/DIRECTION/DISPLAY		ø1				ø2			ø3			OPERATION FLASHING
		LPI	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	
MT AUBURN/EB/4C		R	GV	Y	R	R	R	R	R	R	R	FY
MT AUBURN/EB LT/3A, 4B		RL	RL	RL	RL	GL	YL	RL	RL	RL	RL	FRL
MT AUBURN EB/4D		RL	GV	Y	R	R	R	R	R	R	R	FR
MT AUBURN/WB/2A,2B,2C		R	G	Y	R	R	R	R	R	R	R	FY
HOMER AVE/SB/4A,5A		R	R	R	R	R	R	R	G	Y	R	FR
MT AUBURN/NB BIKE/3B		R	R	R	R	G	Y	R	R	R	R	FR
CROSSWALK/E-W/2E-3E		W	W/FDW	FDW	DW	DW	DW	DW	DW	DW	DW	OFF
CROSSWALK/N-S/3F-4E		DW	DW	DW	DW	W/FDW	FDW	DW	DW	DW	DW	OFF
I N T E R V A L	MINIMUM GREEN	-	41			5			5			
	VEHICLE EXTENSION	-	3			1.5			3			
	MAXIMUM 1 GREEN	-	62			17			10			
	MAXIMUM 2 GREEN	-	62			17			10			
	YELLOW CLEARANCE			3.5		3			3			
	RED CLEARANCE				1			1.5			2.5	
	WALK INTERVAL	4	7			7						
	PED. CLEARANCE			8	3	12	3					
	MEMORY	NON-LOCK				NON-LOCK			NON-LOCK			
	RECALL (VEH./PED.)	MAX/PED				SEE NOTE 3			MIN			

CYCLE NO.		CYCLE LENGTH	OFFSET (SEC.)	PHASE SPLITS IN SECONDS			HOURS OF OPERATION
				ø1	ø2	ø3	
1	90	89		57	22	11	ALL OTHER TIMES
2	105	102		70	22	13	6:00 AM - 10:30 AM (MON-FRI)
3	105	6		67	22	16	2:30 PM - 7:30 PM (MON-FRI)
4	105	102		70	22	13	9:00 AM - 3:00PM (SAT)
COORDINATED OPERATION							EVERYDAY
PROGRAMMED FLASH							EMERGENCY ONLY

TECHNICAL NOTES	
1.	PEDESTRIAN PHASES REST IN WALK.
2.	IF THE ASSIGNED RIGHT OF WAY FOR ANY MOVEMENT IS TO REMAIN IN EFFECT DURING THE NEXT CALLED PHASE, THE SIGNAL INDICATIONS FOR THAT MOVEMENT WILL NOT CHANGE DURING THE CLEARANCE INTERVAL.
3.	PHASE 2 RECALL SHALL BE PED DURING TIMING PLANS 1 AND 2. PHASE 2 RECALL SHALL BE NONE DURING TIMING PLAN 3.

PREFERENTIAL PHASING SEQUENCE



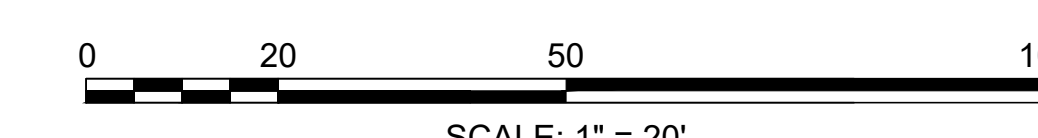
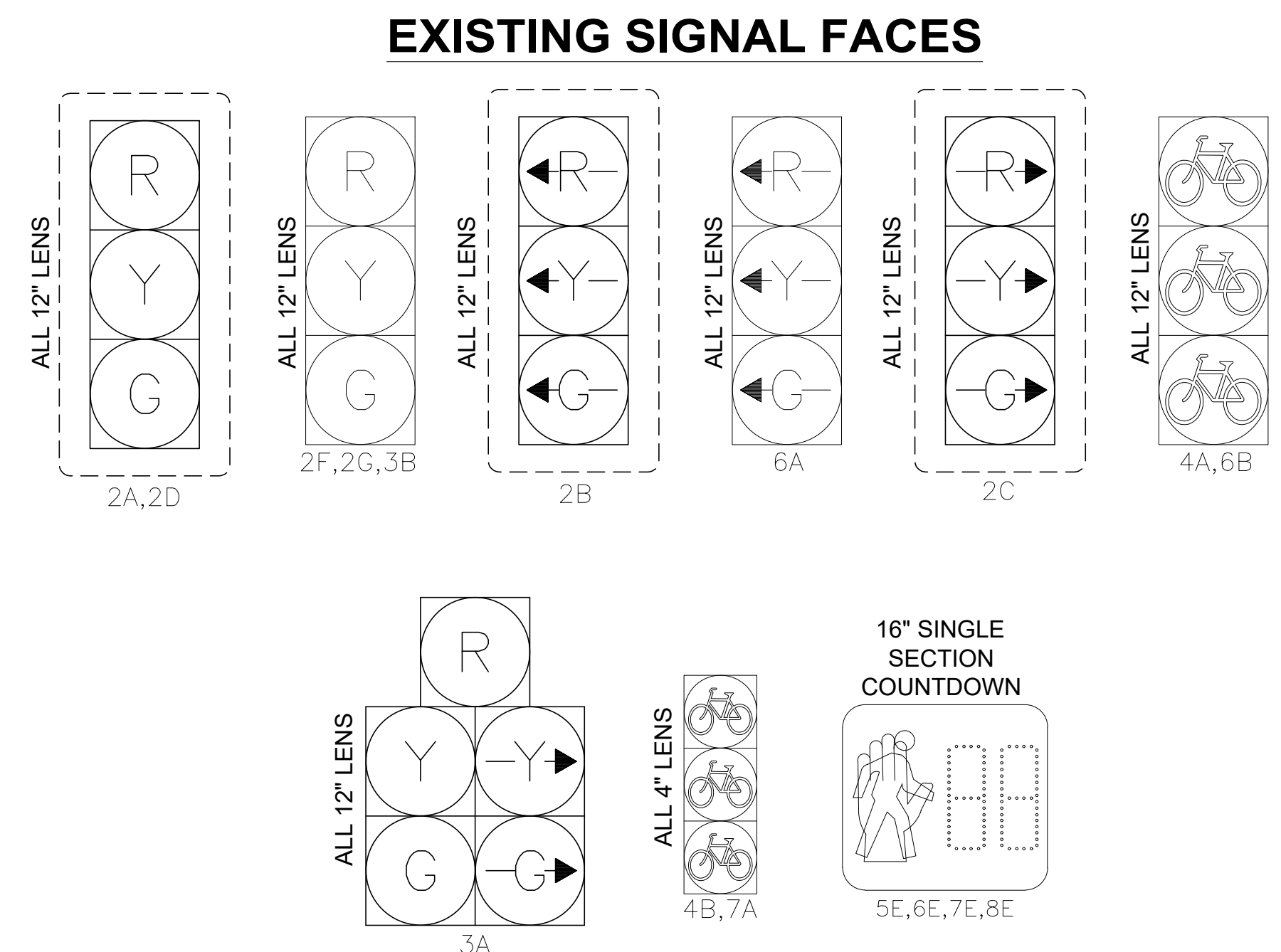
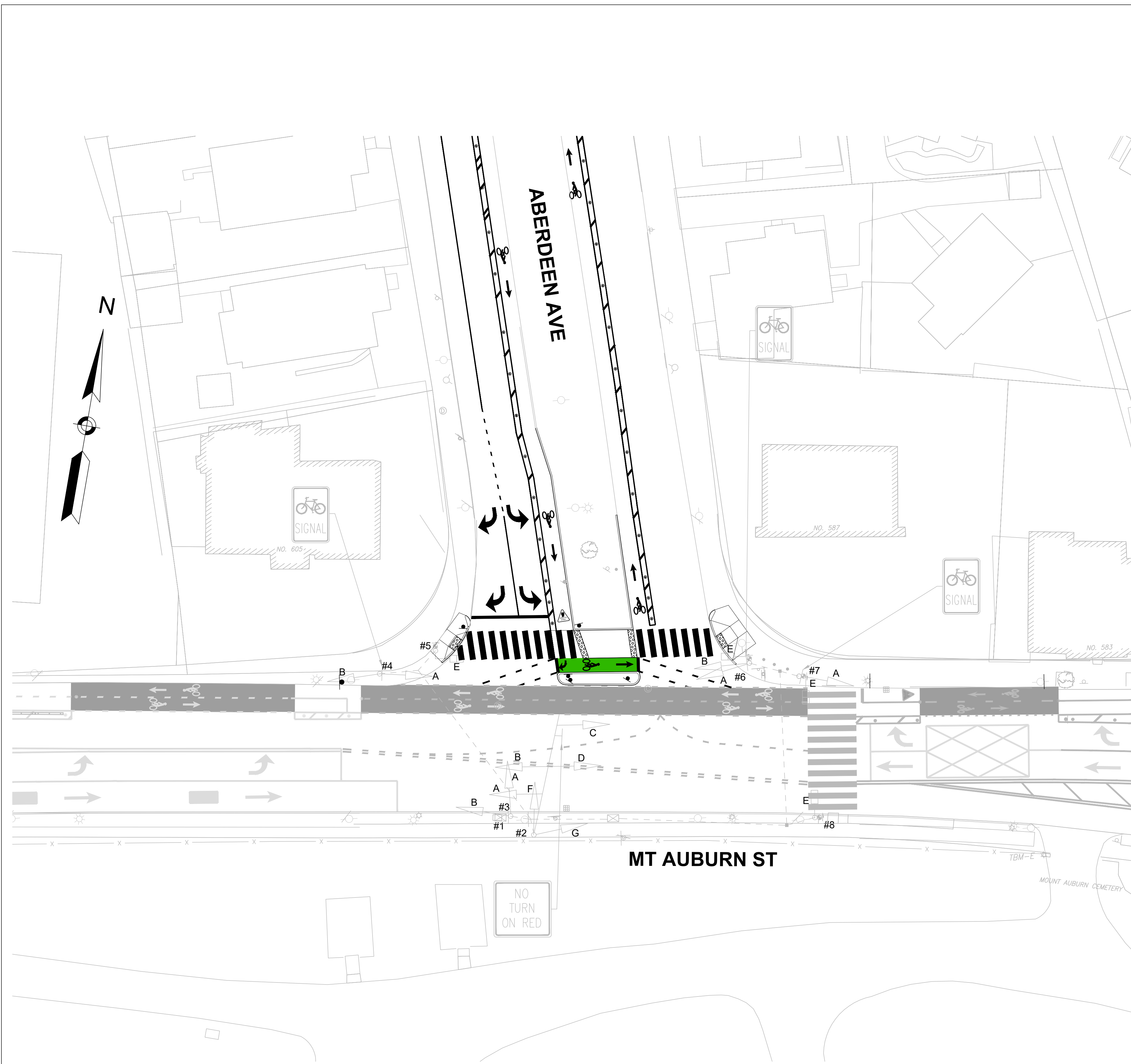
Bowman

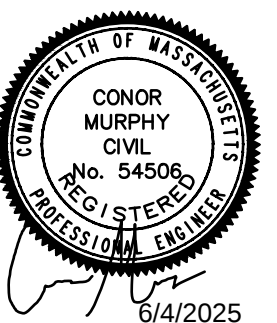
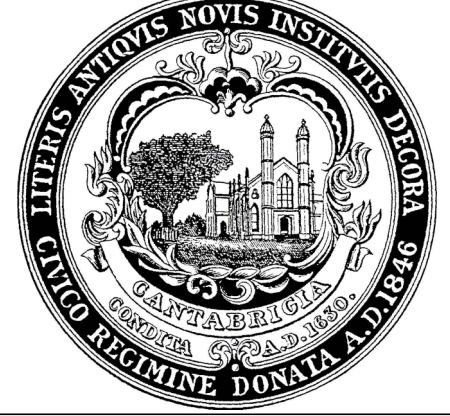
350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245
14 BREAKNECK HILL RD
SUITE 201
LINCOLN, RI 02865
TELE: (401) 648 - 7200

120 WATER ST
4TH FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025
94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

TRAFFIC SIGNAL PLANS NO. 1
ABERDEEN SIGNAL IMPROVEMENTS
HOMER AVE @ MT AUBURN ST
CAMBRIDGE, MA

REV #	DATE
1	3



		PROJECT #:	312638-01-001	Bowman	<table border="1"><thead><tr><th colspan="2">REVISIONS</th><th>REV #</th><th>DATE</th></tr></thead><tbody><tr><td colspan="2">TRAFFIC SIGNAL PLANS NO. 2 ABERDEEN SIGNAL IMPROVEMENTS ABERDEEN AVE @ MT AUBURN ST CAMBRIDGE, MA</td><td>2</td><td>3</td></tr></tbody></table>	REVISIONS		REV #	DATE	TRAFFIC SIGNAL PLANS NO. 2 ABERDEEN SIGNAL IMPROVEMENTS ABERDEEN AVE @ MT AUBURN ST CAMBRIDGE, MA		2	3
		REVISIONS				REV #	DATE						
TRAFFIC SIGNAL PLANS NO. 2 ABERDEEN SIGNAL IMPROVEMENTS ABERDEEN AVE @ MT AUBURN ST CAMBRIDGE, MA		2	3										
DATE:	JUNE 2025												
DESIGNER:	C. MURPHY	350 MYLES STANDISH BLVD SUITE 103 TAUNTON, MA TELE: (508) 823 - 2245		120 WATER ST 4TH FLOOR BOSTON, MA 02109 TELE: (617) 556 - 0020 FAX: (617) 556 - 0025									
DRAFTER:	S. CROESE	14 BREAKNECK HILL RD SUITE 201 LINCOLN, RI 02865 TELE: (401) 648 - 7200		94 NORTH ELM STREET SUITE 210 WESTFIELD, MA TELE: (413) 875 - 8855									
REVIEWER:	C. MURPHY												

APPROX. MT. AUBURN ST ABERDEEN AVE			TIMING AND SEQUENCE CHART																					OPERATION FLASHING	
ø2			ø3			ø5			ø6			ø7			ø8			ø9							
STREET/DIRECTION/DISPLAY	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL				
MT AUBURN/EB/2A,3B	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FY			
MT AUBURN/EB LT/2B,6A	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL	GL	YL	RL	RL	RL	RL	RL	RL	RL	FRL			
MT AUBURN/WB/2D,2G	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	FY			
MT AUBURN/WB RT/2C	RR	RR	RR	RR	RR	RR	GR	YR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	FRR			
ABERDEEN/SB/2F	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	FR			
ABERDEEN/SB RT/3A	R	R	R	GR	YR	RR	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	FR			
MT AUBURN/WB BIKE/4A,7A	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	FR			
MT AUBURN/EB BIKE/6B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	FR			
CROSSWALK/E-W/5E-6E	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W/FDW	FDW	DW	OFF			
CROSSWALK/N-S/7E-8E	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DW	OFF			
INTERVAL SECONDS	MINIMUM GREEN	4			4			5			4			5			5			5					
	VEHICLE EXTENSION	3			3			3			3			3			3			3					
	MAXIMUM 1 GREEN	51			25			18			51			14			5			28					
	MAXIMUM 2 GREEN	62			33			23			62			15			12			34					
	YELLOW CLEARANCE		3.5			3			3			3.5			3			3			3.5				
	RED CLEARANCE			2.5			4			2			2.5			4			4			2.5			
	WALK INTERVAL													7					7						
	PED. CLEARANCE														10	4				24		3			
MEMORY		NON-LOCK			NON-LOCK			NON-LOCK			NON-LOCK			NON-LOCK			NON-LOCK			NON-LOCK					
RECALL (VEH./PED.)		MAX			NONE			NONE			MAX			NONE			MIN			PED					
PROGRAM/COORDINATION																									
CYCLE NO.	CYCLE LENGTH	OFFSET (SEC.)	PHASE SPLITS IN SECONDS																				HOURS OF OPERATION		
			ø2			ø3			ø5			ø6			ø7			ø8			ø9				
1	90	0	57			32			23			57			21			12			34				
2	105	0	65			40			28			65			21			19			37				
3	105	0	68			37			28			68			22			15			40				
4	105	0	65			40			28			65			21			19			37				
COORDINATED OPERATION																									
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MAJOR ITEMS REQUIRED	
QUANTITY	ITEM
1	PHASING AND TIMING CHANGES

PLUS ALL NECESSARY DUCT, CABLE, LABOR, MISCELLANEOUS MATERIAL AND EQUIPMENT TO COMPLETE THE INSTALLATION.

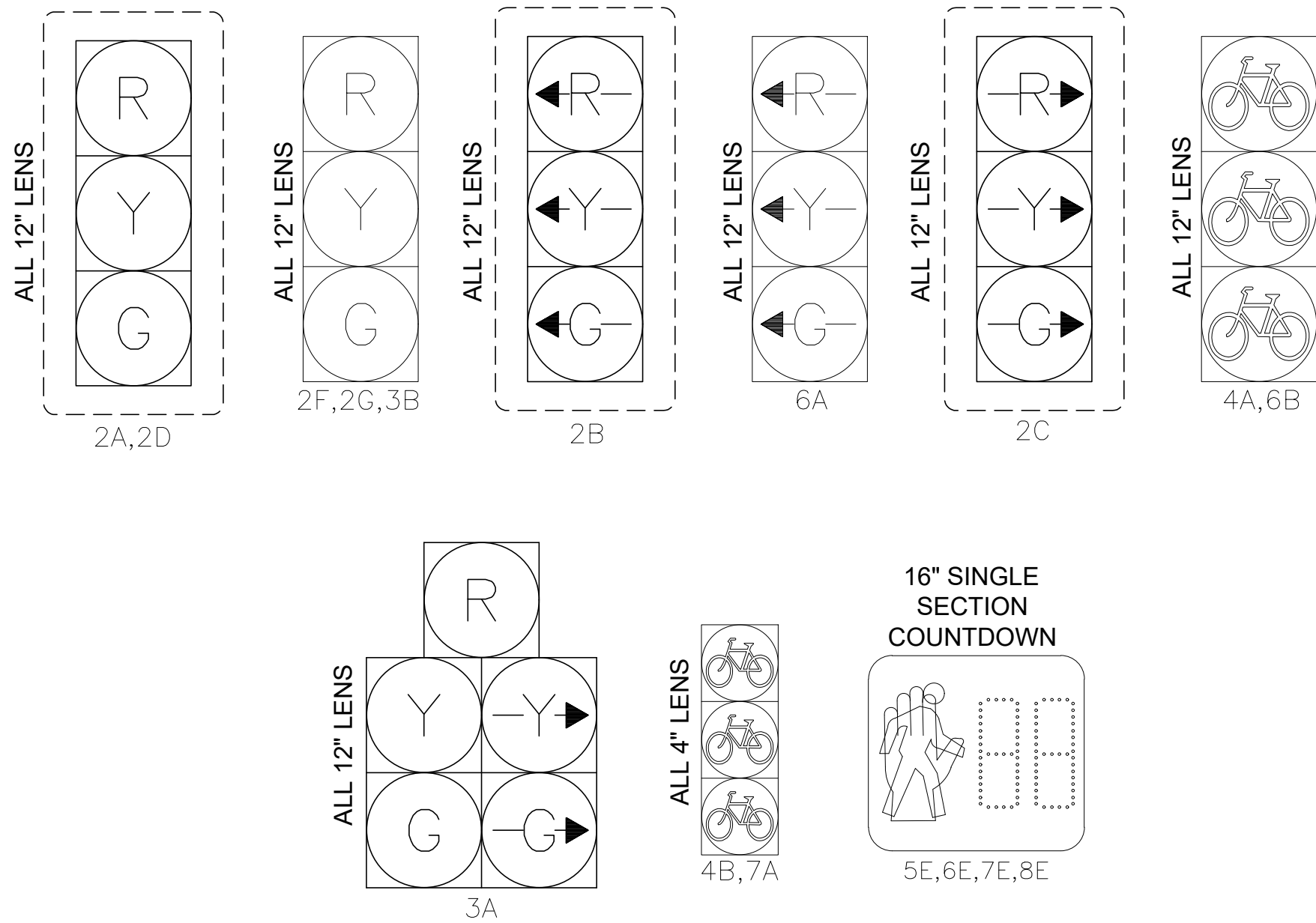
- TECHNICAL NOTES
1.

PEDESTRIAN PHASES REST IN WALK.
2.

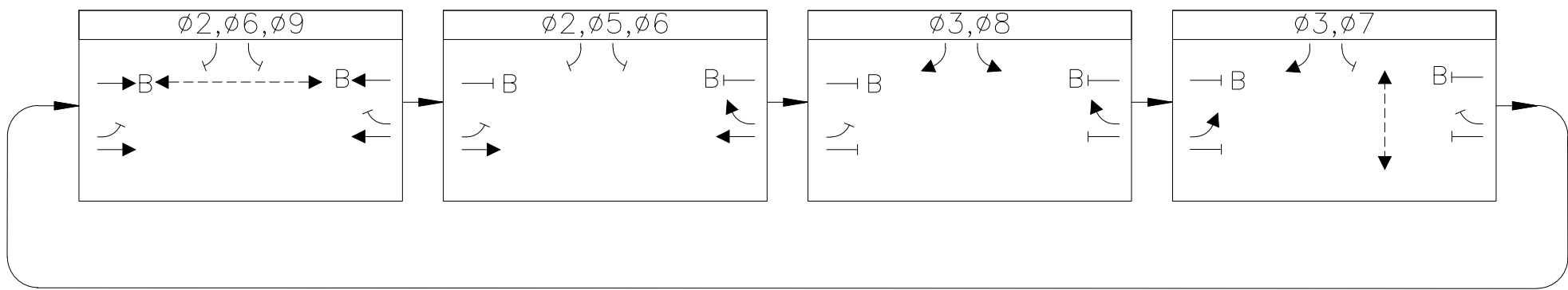
IF THE ASSIGNED RIGHT OF WAY FOR ANY MOVEMENT IS TO REMAIN IN EFFECT DURING THE NEXT CALLED PHASE, THE SIGNAL INDICATIONS FOR THAT MOVEMENT WILL NOT CHANGE DURING THE CLEARANCE INTERVAL.
3.

PEDESTRIAN TIMES PROVIDED UPON PEDESTRIAN ACTUATION.

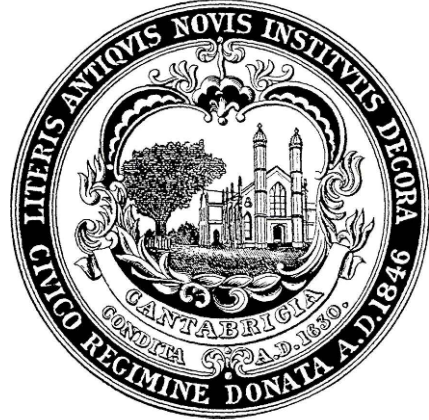
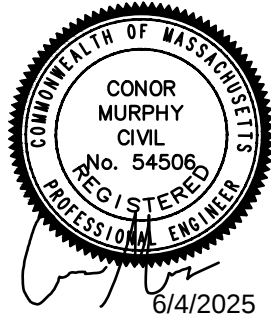
EXISTING SIGNAL FACES



PREFERENTIAL PHASING SEQUENCE



Bowman 350 MYLES STANDISH BLVD SUITE 103 TAUNTON, MA TELE: (508) 823 - 2245 120 WATER ST 4TH FLOOR BOSTON, MA 02109 TELE: (617) 556 - 0020 FAX: (617) 556 - 0025 14 BREAKNECK HILL RD SUITE 201 LINCOLN, RI 02865 TELE: (401) 648 - 7200 94 NORTH ELM STREET SUITE 210 WESTFIELD, MA TELE: (413) 875 - 8855		REVISIONS		REV #	DATE
		TRAFFIC SIGNAL PLANS NO. 3 ABERDEEN SIGNAL IMPROVEMENTS ABERDEEN AVE @ MT AUBURN ST CAMBRIDGE, MA		SHEET #	TOTAL SHEETS
				3	3



PROJECT #: 312638-01-001
DATE: JUNE 2025
DESIGNER: C. MURPHY
DRAFTER: J. VERESPEJ
REVIEWER: C. MURPHY