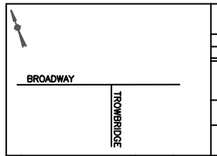
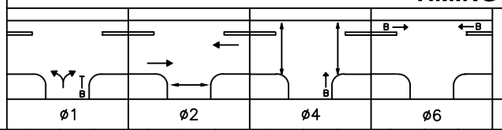
TIMING PLAN





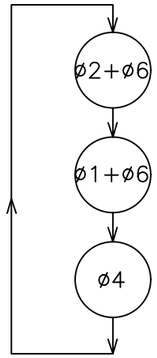
	STREET	DIR.	HEAD	L	ø1 GR	ø1 CH	ø1 CL	L	ø2 GR	ø2 CH	ø2 CL	L	ø4 GR	ø4 CH	ø4 CL	L	ø6 GR	ø6 CH	ø6 CL	EMERGENCY FLASH MODE
VEHICLE	BROADWAY	EB	1D,1E		R	R	R		GVA	Y	R		R	R	R		R	R	R	FY
	BROADWAY	WB	3A,3B		R	R	R		GVA	Y	R		R	R	R		R	R	R	FY
	TROWBRIDGE ST.	NB	1B		GL	YL	R		R	R	R		R	R	R		R	R	R	FR
	TROWBRIDGE ST.	NB	4B		GR	YR	R		R	R	R		R	R	R		R	R	R	FR
WALK	A/C TROWBRIDGE		P3,P4		DW	DW	DW		W/FDW	FDW	DW		DW	DW	DW		DW	DW	DW	DARK
	E A/C BROADWAY		P5,P6		DW	DW	DW		DW	DW	DW		W/FDW	FDW	DW		DW	DW	DW	DARK
	W A/C BROADWAY		P1,P2		DW	DW	DW		DW	DW	DW		W/FDW	FDW	DW		DW	DW	DW	DARK
BIKE	BROADWAY	EB	1C,4A		R	R	R		R	R	R		R	R	R		G	Y	R	FY
	BROADWAY	WB	1A,4D		R	R	R		R	R	R		R	R	R		G	Y	R	FY
	TROWBRIDGE ST.	NB	3A,4C		R	R	R		R	R	R		G	Y	R		R	R	R	FR
INTERVAL	MINIMUM GREEN				6				6				6				6			
	EXTENSION				4				–				–				–			
	MAX 1 GREEN				24				37				14				65			
	MAX 2 GREEN				20				41				14				65			
	YELLOW CHANGE					3				3				3				3		
	RED CLEARANCE						2.5				2				2				3	
	PEDESTRIAN WALK			–	–			–	22*			–	7*							
	PEDESTRIAN CLEARANCE					–				8				9						
	BIKE YELLOW CHANGE					–				–				3				3		
	BIKE RED CLEARANCE						–				–				2				3	
	MEMORY				NON–LOCKING				––				––				––			
	RECALL				NONE				MAX				MAX/PED				MAX			

DETECTORS					
IDENT	PHASE	TYPE	SIZE	TURNS	MODE
1	1	LOOP	6'x6'	1	PRES

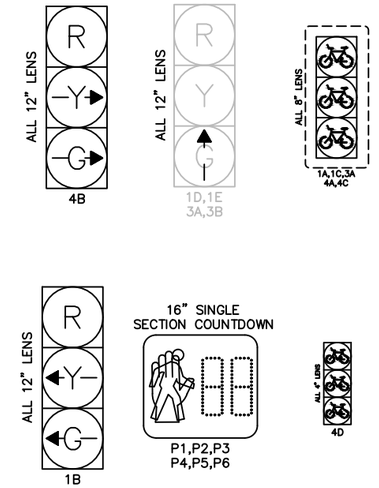
COORDINATION PLAN									
PROGRAM	DAY	TIME	CYCLE LENGTH	OFFSET	PHASE SPLIT ø1	ø2	ø4	ø6	
1/1/1	M–F	0700–0900	80	78	24	36	20	60	
2/1/1	M–F	1530–1830	80	0	23	38	19	61	
3/1/1		ALL OTHER	70	0	21	31	18	52	
4/1/1	M–F	1430–1530	80	1	23	32	25	55	

TECHNICAL NOTES	
1.	*ALL PEDESTRIAN PHASES SHALL REST IN WALK
2.	OFFSET IN REFERENCE TO THE START OF ø2+ø6
3.	FDW SHALL RUN ON YELLOW
4.	BROADWAY AT ELLERY IS THE MASTER SIGNAL

PHASING SEQUENCE



SIGNAL FACES



CONSTRUCTION NOTES

INSTALL 8" BIKE SIGNALS 1A,1C,3A,4A,4C

INSTALL 4" BIKE SIGNAL 4D

ALL 8" BIKE SIGNALS SHALL HAVE YELLOW HOUSINGS AND YELLOW 5" REFLECTIVE BACKPLATES

REPLACE R/Y/G LENSES ON SIGNAL HEAD 1B TO R/YL/GL AND R/Y/G LENSES ON SIGNAL HEAD 4B TO R/YR/GR

REPLACE R/Y/G LENSES ON SIGNAL HEADS 1D,1E,3B,3C TO R/Y/GVA

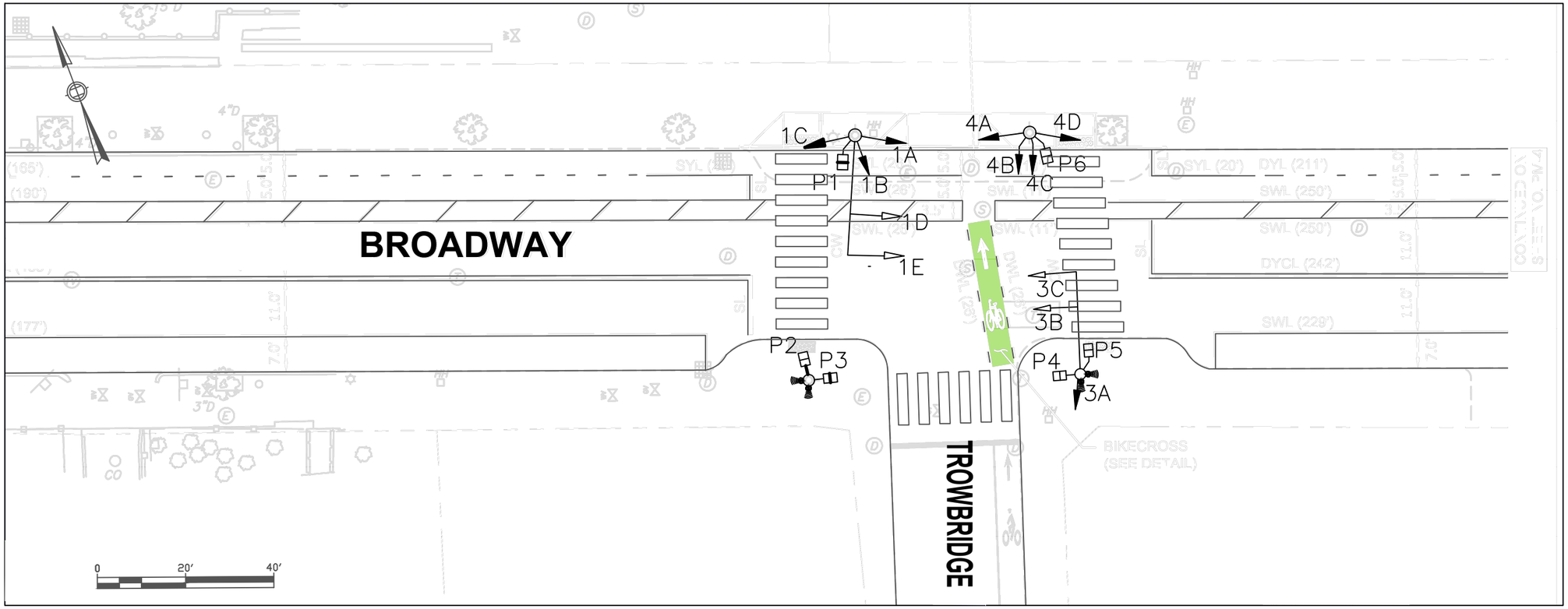
SWAP PED SIGNALS P3 AND P6

REPROGRAM SIGNAL CYCLES AND OFFSETS

IMPLEMENT NEW SIGNAL PLAN 4/1/1

PROP NEW 4 APS BUTTONS, PROGRAM TO CITY OF CAMBRIDGE STANDARDS WITH VOICE MESSAGES

DISCONNECT TROWBRIDGE BICYCLE LOOP DETECTION IN CABINET



RING STRUCTURE

RING 1	ø2	ø1	ø4
RING 2	ø6		

REVISION HISTORY	
06/17/26	ADDING BIKE HEADS TO ACCOMMODATE TWO–WAY SBL
DRAWN BY	P. SOFIO
DESIGNED BY	P. SOFIO
CHECKED BY	S. MEUSE
APPROVED BY	J. PARENTI

SIGNAL PLAN
CITY OF CAMBRIDGE
DEPARTMENT OF TRANSPORTATION

BROADWAY
AT
TROWBRIDGE STREET

INTERSECTION # 043