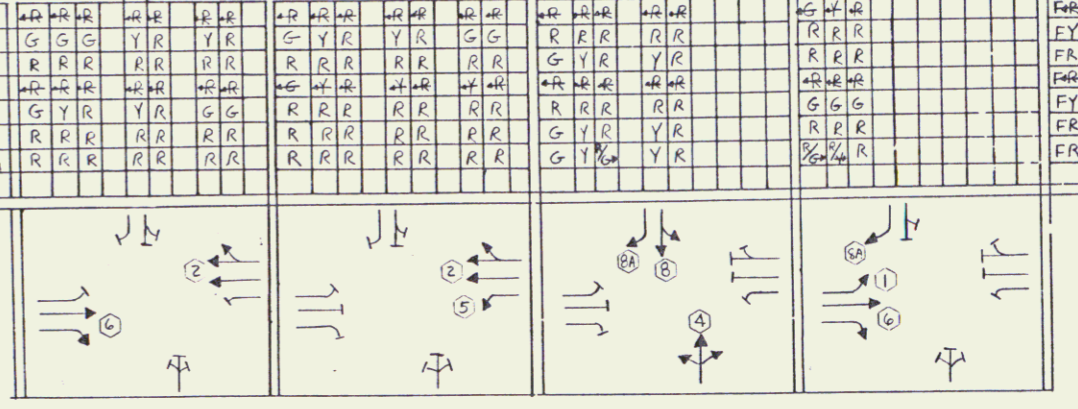


1988 "Average Weekly" Hourly Traffic (for Signal Timing)

AM OFF	PM	NITE
35	80	100
435	600	675
5	10	5

SIGNAL PHASING & TIMING

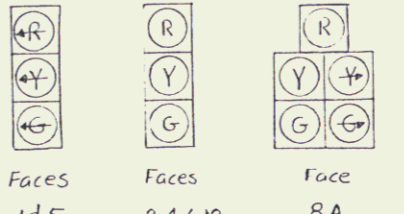
INITIAL EXT MIN	Phase A (Dwell)			Phase B			Phase C			Phase D		
	φ B	φ C	φ D	φ C	φ D	φ A	φ D	φ A	φ A	φ A	φ A	
MAX AM	18	42	42	42	11	42	42	42	12	41	41	16
MAX OFF	20	42	42	42	14	42	42	42	15	41	41	18
MAX PM	23	42	42	42	13	42	42	42	14	41	41	17
MAX NITE	13	42	42	42	8	42	42	42	8	41	41	8



TIME OF DAY PLAN

6-7 AM	NITE
7-9 AM	AM
9 AM-2:30 PM	OFF
3:30-5:30 PM	PM
5:30-7 PM	OFF
7-10 PM	NITE
10 PM-6 AM	FLASH

New Face Arrangement



Faces 4 shall be optically programmed and masked as shown below.

Vehicle Loop Detectors

LANE	LOOP No.	SIZE	TYPE	No. TURNS	CALL φ
DRIVE RT	1	6'x40'	QUAD		φ C
DRIVE LT	2	6'x30'	QUAD		φ C
NB LT	3	6'x40'	QUAD		φ D
SB LT	4	6'x40'	QUAD		φ B
DRIVE LT	5	6'x6'	RECT		φ C
DRIVE CT	6	6'x6'	RECT		φ C
DRIVE RT	7	6'x6'	RECT		φ C

Loops 1&2 shall be on separate amplifiers with #1 a delay call amp. set at 0.  
Loops 5,6&7 shall be combined on a separate delay call amp set at 0.

NOTES:

- RETAIN EXISTING SIGNALS UNTIL NEW ONES HAVE BEEN INSTALLED. TEMPORARY GUYING OF EXISTING POLE(S) MAY BE REQUIRED.
- REPLACE ALL EXISTING SIGNAL EQUIPMENT (POLES, SIGNALS, WIRING, ETC.) WITH NEW AS SHOWN.
- RETAIN EXISTING POWER AND RELOCATE TO NEW POLE.
- INSTALL NEW LOOPS AS SHOWN. LOOP LEAD-INS FOR LOOPS 4,5,6 & 7 SHALL CROSS US 5 VIA THE SPAN WIRE.
- INSTALL CONDUITS AS SHOWN.
- INSTALL NEW CONTROLLER, CABINET, ETC. ON POLE #1.
- INSTALL CONCRETE PAD UNDER CABINET. SEE SHEET 8 FOR DETAIL.
- INSTALL SIGNS AND PAVEMENT MARKINGS AS SHOWN.
- SEE SHEETS 18-21 FOR OFFSETS.
- SEE SHEET 16 FOR SIGN AND POST QUANTITIES.
- SEE SHEETS 7-9 FOR NOTES AND ADDITIONAL INFORMATION.
- REMOVE TOP OF THE EXISTING BASES TO A POINT 1' +/- BELOW GROUND, BACKFILL AND SEED.
- SEE SHEETS 14 FOR STRAIN POLE INFORMATION.

Vehicle Loop Detectors

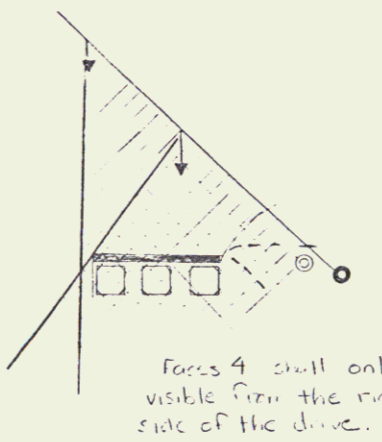
- NB Left Turn (1)
  - SB Left Turn (1)
  - Fairfield Plaza LT&RT (2)
  - Commercial Drive (3) + lead-ins
- See table at right for sizes

Electrical Conduit

- US 5 Curb to Pole #1
- US 5 Curb to Pole #2
- Fairfield Plaza Curb to Pole #1
- Commercial Drive Curb to Pole #2

Durable Letter in Word Marking

206+93, 78-86' Lt (4) "ONLY"  
It is assumed that all other markings will be placed as part of another project (HMA 2811).



EXISTING	NEW	LEGEND
⊕	⊕	UTILITY POLE
—	—	LUMINAIRE
○	○	WOOD POLE
●	●	STRAIN POLE
□	□	CONTROLLER CABINET
□	□	PULL BOX / JUNCTION BOX
—	—	SIGNAL HEAD
—	—	CONDUIT
—	—	VEHICLE LOOPS
—	—	SIGNS

R.O.W. PLANS

TRAFFIC SIGNAL DETAILS  
PUTNEY RD & FAIRFIELD PLAZA

DESIGNED BY: LKA DATE: 3/88  
DRAWN BY: LEA DATE: 11/87  
BRATTLEBORO  
PROJ. MG NO. 2000(15)S  
SHEET 3 OF 6

DATUM	_____
VERTICAL	_____
HORIZONTAL	_____