

NOTES:

1. INSTALL STRAIN POLES, SPAN WIRE & SIGNALS AS SHOWN. EXCAVATION FOR STRAIN POLE #2 MUST BE DONE BY HAND BECAUSE OF A NEARBY HIGH PRESSURE ASBESTOS WATER MAIN. BACKFILL MATERIAL SHALL MEET THE REQUIREMENTS OF GRANULAR BACKFILL FOR STRUCTURES, SUBSECTION 704.08. ALL COSTS SHALL BE SUBSIDIARY TO ITEM 678.15. SEE SHEETS 14 FOR STRAIN POLE DETAILS.
2. THE CONTRACTOR SHALL COORDINATE HIS ACTIVITIES WITH ALL INVOLVED UTILITY COMPANIES (AERIAL & UNDERGROUND).
3. INSTALL LOOPS AS SHOWN. LOOP LEAD-INS FOR LOOPS 2&3 SHALL CROSS US 5 VIA THE SPAN WIRE.
4. INSTALL CONTROLLER, CABINET, ETC. ON POLE #1.
5. INSTALL CONCRETE PAD UNDER CABINET. SEE SHEET 8 FOR DETAIL.
6. PROVIDE AERIAL POWER AS SHOWN.
7. REMOVE AND INSTALL SIGNS AS SHOWN.
8. APPLY PAVEMENT MARKINGS AS SHOWN.
9. SEE SHEETS 18-21 FOR OFFSETS.
10. SEE SHEET 16 FOR SIGN AND POST QUANTITIES.
11. SEE SHEETS 8-9 FOR NOTES AND ADDITIONAL INFORMATION.
12. REMOVE CL. MARKINGS BETWEEN STOPBARS, IF PRESENT. (EST 30 SF)

DATUM	_____
VERTICAL	_____
HORIZONTAL	_____

Vehicle Loop Detectors

- Black Mtn Rd (1)
- Commercial Drive (3)
- + lead-ins

See table at right for loop sizes.

Electrical Conduit

- Black Mtn Rd Curb to Pole #1
- Extra Sweep @ Pole #1
- Commercial Drive Shoulder to Pole #2

Work to be done by Utility Comp

The Contractor shall pay for and include this work in his bid for item 678.15

1. Provide aerial power to the controller
2. Install a 175 Watt Mercury, Type II Medium Semi cut-off luminaire, preferably, equivalent to that shown on sheet 8 at a 28-30' mounting height on the utility pole next to pole #2.

1988 Average Weekday Hourly Traffic (For Signal Timing)

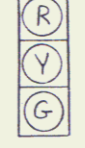
AM	OFF	PM	NITE
50	50	50	30
400	620	765	400
15	20	20	15

AM	OFF	PM	NITE
85	45	45	25
480	650	660	410
15	20	15	15

PHASING & TIMING

	Phase A (Dwell)				Phase B			
	Clear To: #B				Clear To: #A			
INITIAL	-	-	-	-	6.5	-	-	-
EXT	-	-	-	-	1.5	-	-	-
MINIMUM	-	-	-	-	8.4	1	-	-
MAX AM	57	4	2	-	12	4	1	-
MAX OFF	61	4	2	-	18	4	1	-
MAX PM	64	4	2	-	15	4	1	-
MAX NITE	37	4	2	-	12	4	1	-

Signal Face Arrangement



All Faces

TIME OF DAY PLAN

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

Vehicle Loop Detectors

LANE	LOOP NO.	SIZE	TYPE	NO. TURNS	CALL #
BLACK MT	Δ	6'x40'	QUAD		Φ B
DRIVE LT	Δ	6'x6'	RECT		Φ B
DRIVE RT	Δ	6'x6'	RECT		Φ B

Loop #1 shall be on a separate amplifier from Loops #2&3. Both amps shall be delay call set at 0.

Durable 24" Stepbar

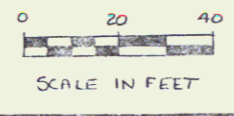
- 230+19 2'LT ~ 12'RT
- 230+37 ~ 230+62, 30'RT
- 231+10 2'LT ~ 16'

Durable 4" Yellow Lines

- 230+37, 31'RT ~ 38'RT (Double)

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



TRAFFIC SIGNAL
DETAILS
PUTNEY RD
&
BLACK MTN RD

R.O.W. PLANS

PREPARED BY LKA DATE 3/88
DRAWN BY LKA DATE 11/87
BRATTLEBORO
PROJ. MG NO. 2000(15)S
SHEET 5 OF 6

DEC 11 1990

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