

VEHICLE LOOP DETECTORS							
LANE	LOOP NO.	SIZE	TYPE	NO. TURNS	CALL #	MODE	AMP
RTE 7 NB LT.	△	6'x40'	QUAD	2	# 1	PRES-ENCE	NON-DELAY
RTE 7 SB LT.	△	6'x40'	QUAD	2	# 5	PRES-ENCE	NON-DELAY
HARBOR VIEW ROAD DRIVEWAY	△	6'x30'	QUAD	2	# 8	PRES-ENCE	NON-DELAY
	△	6'x20'	QUAD	2	# 4	PRES-ENCE	NON-DELAY

TEST RESULTS					
INDUCTANCE (uh)		RESISTANCE $\Omega$ @ 77° F		LEAKAGE TO GROUND	
CALCULATED	MEASURED	CALCULATED	MEASURED		
381		0.84			
387		0.87			
270		0.51			
235		0.66			

ALL CALCULATED VALUES ARE AT THE CONTROLLER. MEASURED VALUES MUST BE FILLED IN PRIOR TO TEST PERIOD.

**SIGNAL ITEMS**

**ITEM 678.27 - PULLBOX - DOUBLE**

390+10, 46' RT (S-11)  
390+58, 46' RT (S-12)

**ITEM 678.30 - ELECTRICAL CONDUIT SLEEVE**

390+15 LT - 390+50 LT, (8" - 36 LF)  
390+57 RT - 390+65 LT, (8" - 81 LF)

**ITEM 678.23 - WIRED CONDUIT**

389+94 RT (CANTILEVER #5) - 390+10 RT (S-11), (20 LF)  
390+00 LT (CANTILEVER #6) - 390+65 LT (CANTILEVER #7), (2 @ 72 = 144 LF)  
390+10 RT (S-11) - 390+58 RT (S-12), (2 @ 47 = 94 LF)  
390+65 LT (CANTILEVER #7) - 390+58 RT (S-12), (2 @ 97 = 194 LF)  
390+58 RT (S-12) - 390+70 RT (CANTILEVER #8), (2 @ 16 = 32 LF)  
390+67 RT (CONTROLLER) - 390+70 RT (CANTILEVER #8), (2 @ 10 = 20 LF)

PROGRAM PERIODS OF OPERATION																									
	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
	AM												PM												
SUNDAY																									
MONDAY																									
TUESDAY																									
WEDNESDAY																									
THURSDAY																									
FRIDAY																									
SATURDAY																									

PLAN 1 - AM PEAK (70 SEC CYCLE) 6:00 AM - 8:00 AM MON. THRU FRI.  
PLAN 2 - OFF PEAK (70 SEC CYCLE) 8:00 AM - 4:00 PM MON. THRU FRI.  
6:00 PM - 12:00 AM MON. THRU FRI.  
6:00 AM - 11:30 AM SAT. & SUN.  
4:00 PM - 12:00 AM SAT. & SUN.  
PLAN 3 - PM PEAK (80 SEC CYCLE) 4:00 PM - 6:00 PM MON. THRU FRI.  
11:30 AM - 4:00 PM SAT. & SUN.  
11:30 AM - 4:00 PM SAT. & SUN.  
FLASHING OPERATION 12:00 AM - 6:00 AM SUN. THRU SAT.

1998 AVERAGE WEEKDAY TRAFFIC

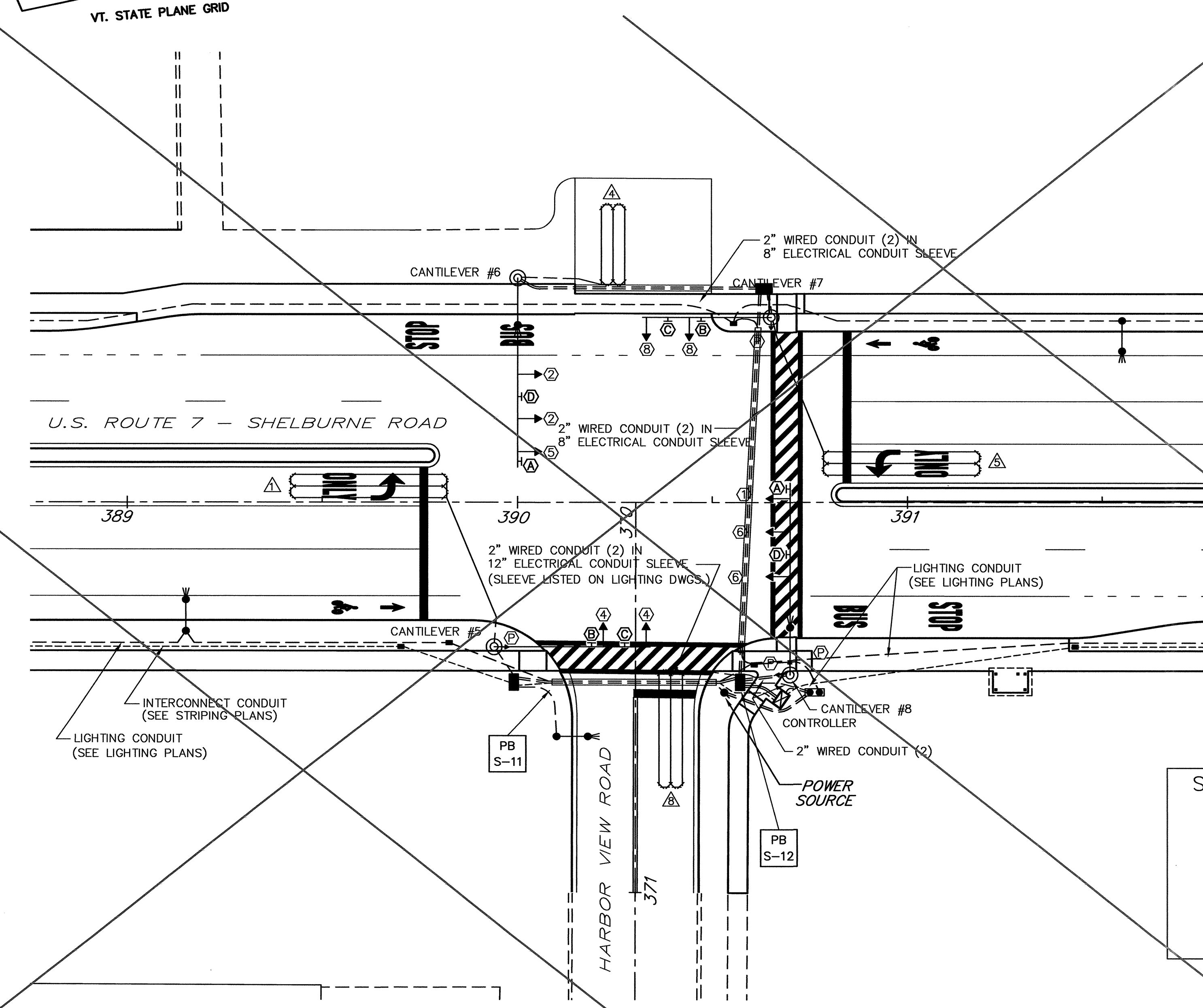
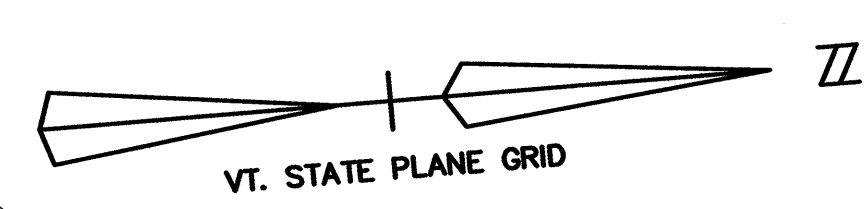
AM	OFF	PM
3	3	3
1269	1087	1167
18	31	15

U.S. RTE. 7

AM	OFF	PM
893	1032	1291
136	151	146

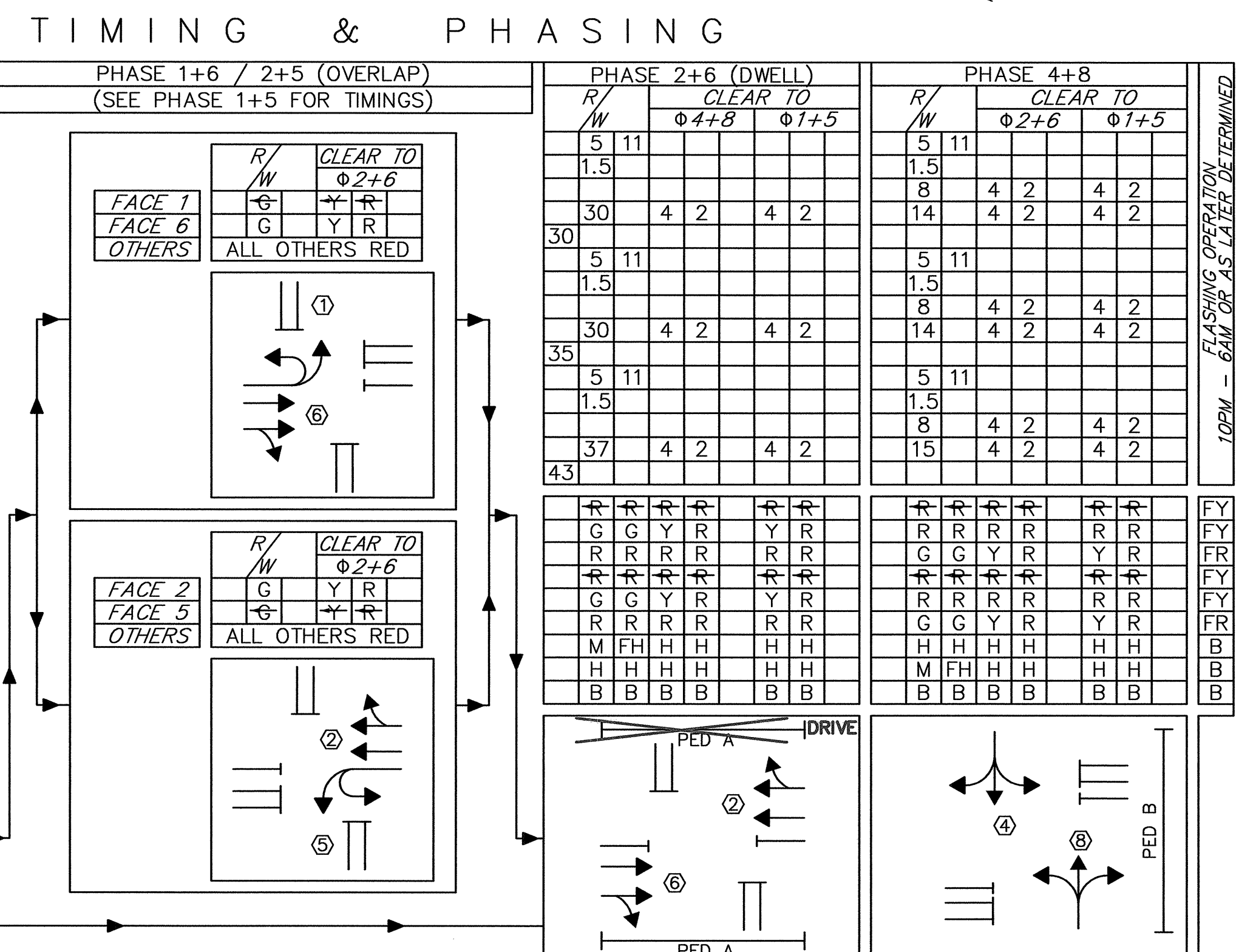
U.S. RTE. 7

SEE SHEET 129A FOR REVISED LAYOUT AND QUANTITY SUMMARY

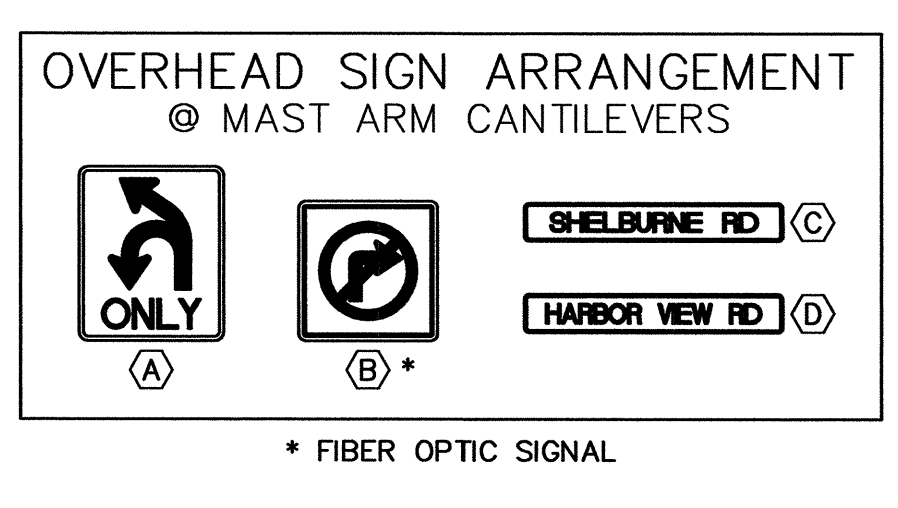
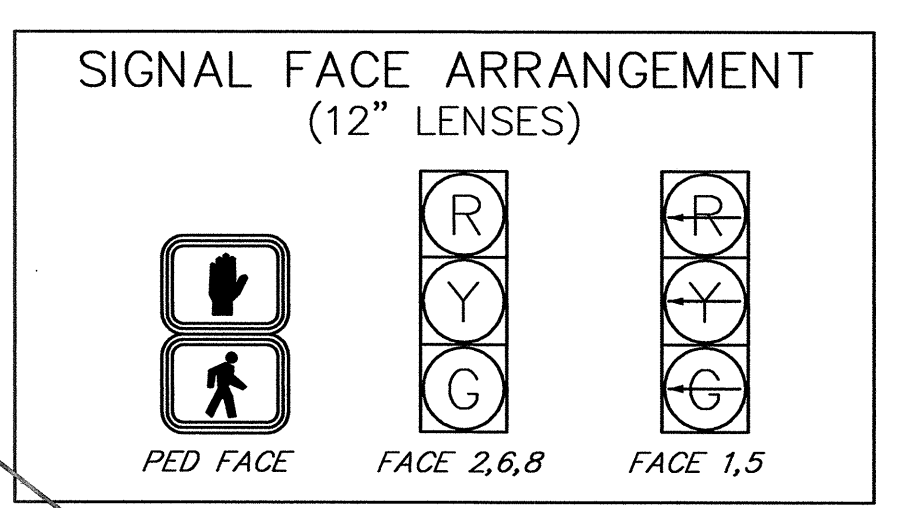


PHASE 1+5					PHASE 1+6 / 2+5 (OVERLAP)					PHASE 2+6 (DWELL)					PHASE 4+8				
R/W	CLEAR TO				R/W	CLEAR TO				R/W	CLEAR TO				R/W	CLEAR TO			
	Φ2+6	Φ1+6	Φ2+5		Φ2+6	Φ1+5	Φ1+5		Φ4+8	Φ1+5	Φ2+6	Φ1+5		Φ2+6	Φ1+5	Φ2+6	Φ1+5		
AM PEAK	1.5	4 2	4 2	4 2	1.5	4 2	4 2	4 2	5 11	1.5	4 2	4 2	4 2	5 11	1.5	4 2	4 2	4 2	
VEHICLE MINIMUM	8	4 2	4 2	4 2	8	4 2	4 2	4 2	8	4 2	4 2	4 2	8	4 2	4 2	4 2	4 2	4 2	
MAX	8	4 2	4 2	4 2	8	4 2	4 2	4 2	8	4 2	4 2	4 2	8	4 2	4 2	4 2	4 2	4 2	
OFFSET	8 *	4 2	4 2	4 2	8 *	4 2	4 2	4 2	8 *	4 2	4 2	4 2	8 *	4 2	4 2	4 2	4 2	4 2	
PM PEAK	1.5	4 2	4 2	4 2	1.5	4 2	4 2	4 2	5 11	1.5	4 2	4 2	4 2	5 11	1.5	4 2	4 2	4 2	
VEHICLE MINIMUM	8	4 2	4 2	4 2	8	4 2	4 2	4 2	8	4 2	4 2	4 2	8	4 2	4 2	4 2	4 2	4 2	
MAX	8	4 2	4 2	4 2	8	4 2	4 2	4 2	8	4 2	4 2	4 2	8	4 2	4 2	4 2	4 2	4 2	
OFFSET	10 *	4 2	4 2	4 2	10 *	4 2	4 2	4 2	10 *	4 2	4 2	4 2	10 *	4 2	4 2	4 2	4 2	4 2	

FACE	R	Y	R	Y	R	Y	R
FACE 1	G	Y	R	Y	R	Y	R
FACE 2	R	R	R	R	R	R	R
FACE 4	R	R	R	R	R	R	R
FACE 5	G	Y	R	Y	R	Y	R
FACE 6	R	R	R	R	R	R	R
FACE 8	R	R	R	R	R	R	R
PED A	H	H	H	H	H	H	H
PED B	H	H	H	H	H	H	H
SIGN B	O	O	O	O	O	O	O



M = SOLID MAN, FH = FLASHING HAND, H = SOLID HAND, B = BLANK, O = "NO TURN ON RED" ON PEDESTRIAN INDICATIONS WILL OPERATE UPON ACTUATION ONLY AND WILL BE "H" ALL OTHER TIMES  
FACE NUMBERS ARE BASED ON NEMA PHASES (2,4,6 & 8 FOR THRU/RIGHTS AND 1,3,5 & 7 FOR THEIR ASSOCIATED PROTECTED LEFTS)  
\* - TOTAL FOR PHASE (1+5) AND OVERLAP  
SEE SIGNAL DRAWING NO. 2 FOR FIRE PRE-EMPTION



**LEGEND**

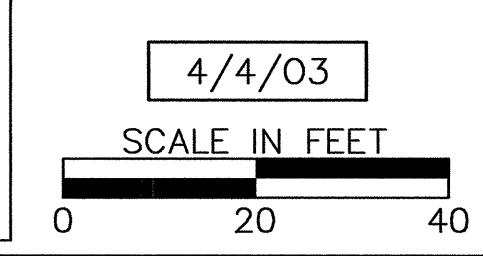
- NEW SIGNAL FACE
- ⊙ NEW STRAIN POLE W/ SPAN WIRE OR MAST ARM
- NEW PULLBOX
- NEW JUNCTION BOX
- NEW POWER STANCHION
- - - NEW SIGNAL CONDUIT
- - - NEW INTERCONNECT CONDUIT
- ⊕ NEW POWER POLE

DATUM VERTICAL NGVD 1929 HORIZONTAL NAD 1927  
**INTERSECTION NO. MS-514 (US 7 - HARBOR VIEW ROAD)**

**AS-BUILT REVISIONS**

NO.	DATE	DESCRIPTION
1.	3/7/06	NOTES REVISED PER ADDENDUM #2

NOTE:  
SEE SIGNAL DRAWING NOS. 1 & 2 FOR: TRAFFIC SIGNAL & GENERAL NOTES AND LIST OF MAJOR EQUIPMENT.



SHELburne - SOUTH BURLINGTON  
SURVEYED BY V.S.C. INC. DATE \_\_\_\_\_  
DRAWN BY E.A.A. INC. DATE \_\_\_\_\_  
TRACED BY E.A.A. INC. DATE \_\_\_\_\_  
PROJECT NH-EGC-019-4(28)  
SIGNAL DRAWING NO. 4  
SHEET NO. 129 OF 283