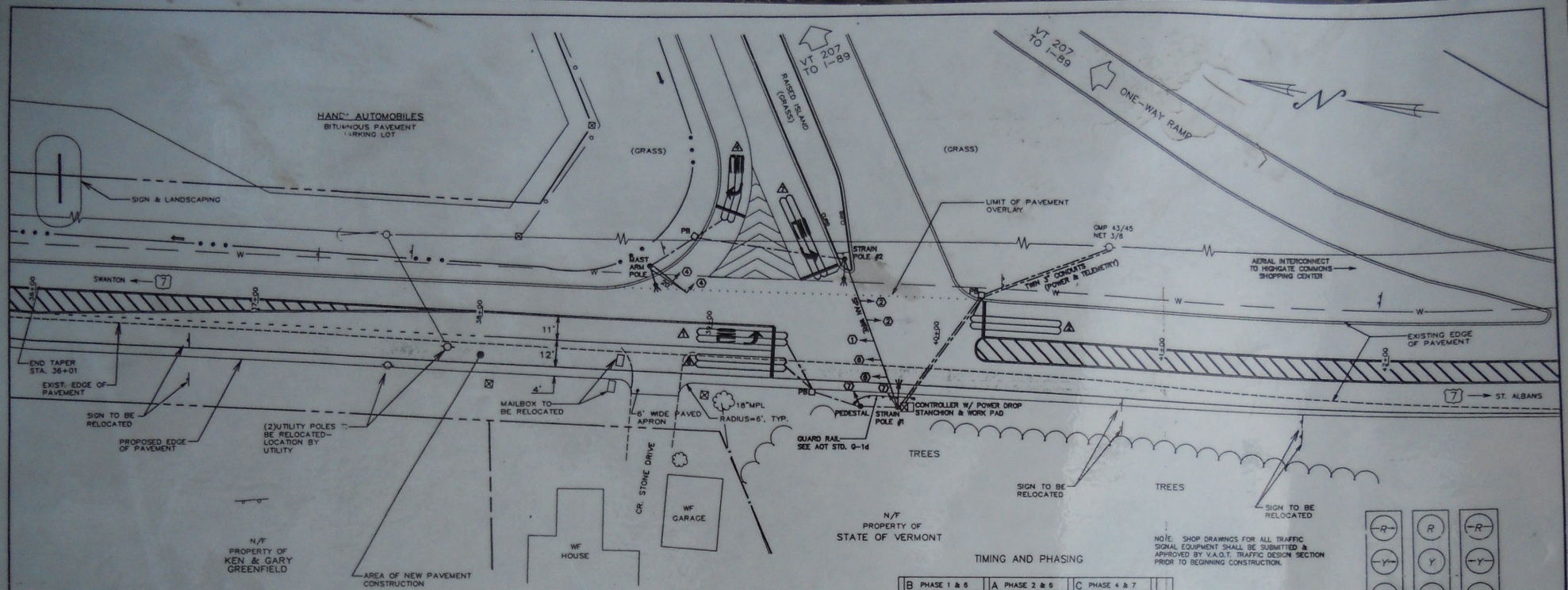
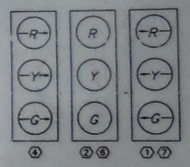


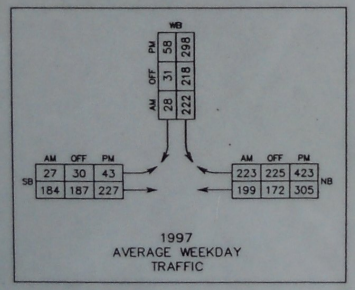
NOTE: SHOP DRAWINGS FOR ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE SUBMITTED & APPROVED BY V.A.O.T. TRAFFIC DESIGN SECTION PRIOR TO BEGINNING CONSTRUCTION.



SIGNAL FACE ARRANGEMENT
ALL 12" LENS

LEGEND

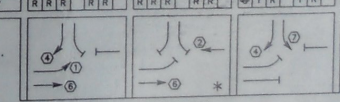
- EXIST. REINFORCED CONCRETE MONUMENT
- EXIST. UTILITY POLE
- DRAIN MANHOLE
- ELEVATION BENCHMARK
- EXISTING TREE
- PROPERTY LINE
- RIGHT-OF-WAY
- EXIST. SWALE
- EXIST. BARBED WIRE FENCE
- EXIST. CHAIN LINK/WOVEN WIRE FENCE
- EXIST. OVERHEAD POWER/TELEPHONE
- EXIST. WATER MAIN
- PULL BOX (TRAFFIC SIGNAL)
- SIGNAL CONDUIT



1997
AVERAGE WEEKDAY
TRAFFIC

TIMING AND PHASING

		B PHASE 1 & 6						A PHASE 2 & 6						C PHASE 4 & 7						FLASHING OPERATION 10 P.M. — 6 A.M.
		#/W	CLEAR TO					#/W	CLEAR TO					#/W	CLEAR TO					
			Ø2 & 6		Ø4 & 7				Ø4 & 7		Ø1 & 6				Ø1 & 6		Ø2 & 6			
7 AM PEAK 9:00	VEH. EXT.	1						1						1						
	MIN. GRN.	8	4	2	4	2		8	4	2				8	4	2				
	MAX 1	10						19						23						
	MAX 2	10						22						25						
OFF PEAK	VEH. EXT.	1						1						1						
	MIN. GRN.	8	4	2	4	2		8	4	2				8	4	2				
	MAX 1	10						22						20						
	MAX 2	10						25						22						
PM PEAK 4:00 6:00	VEH. EXT.	1						1						1						
	MIN. GRN.	8	4	2	4	2		8	4	2				8	4	2				
	MAX 1	10						21						23						
	MAX 2	10						28						28						
	FACE 1	⊕	⊕	⊕	Y	R		R	R	R	R	R		R	R	R	R	R		FR
	FACE 2	R	R	R	R	R		G	Y	R	Y	R		R	R	R	R	R		FY
	FACE 4	⊕	⊕	⊕	⊕	⊕		R	R	R	R	R		⊕	⊕	⊕	Y	R		FR
	FACE 6	G	G	G	Y	R		G	Y	R	G	G		R	R	R	R	R		FY
	FACE 7	R	R	R	R	R		R	R	R	R	R		⊕	Y	R	Y	R		FR



* COORDINATED W/ US-7 THRU PHASE @ H.C. SHOPPING CENTER

LIST OF MAJOR EQUIPMENT

EQUIPMENT ITEM – 678.15	QUANTITY
STRAIN POLES	2
MAST ARM POLE	1 W/20' ARM
10' PEDESTAL	1
POWER DROP STANCHION	1
NEW 12" TRAFFIC SIGNAL HEADS W/ TUNNEL VISORS, DISCONNECT HANGERS & MOUNTING HARDWARE	5--SPAN WIRE 2--MAST ARM 1--POST TOP 1--BRKT. MNT.
ONE-WAY 3-SECTION HEADS	9
CONTROLLER/CABINET	1
LUMINAIRES	3

VEHICLE DETECTOR LOOPS

LOOP NO.	LANE	CALL #	SIZE	TYPE & NO. TURNS	DELAY OR PRESENCE	INDUCTANCE CALC.	INDUCTANCE ACT.	RESISTANCE CALC.	RESISTANCE ACT.	LEAKAGE TO GROUND	LOOKING MEMORY
1	LT. TURN	1	6x40	QUAD. 2	PRESENCE	355		0.78			OFF
2	THRU	2	6x40	QUAD. 2	PRESENCE	357		0.80			ON
4	RT. TURN	7	6x30	QUAD. 2	PRESENCE	312		1.12			OFF
6	THRU	7	6x40	QUAD. 2	PRESENCE	353		0.75			ON
7	LT. TURN	6	6x40	QUAD. 2	PRESENCE	375		1.03			OFF

MEASURED VALUES MUST BE FILLED IN PRIOR TO TEST PERIOD.

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

	REVISION	DATE
2	REVISE DETECTOR LOOP TABLE & REVISE TIMING/PHASING TABLE	8/25/97
1	SUPPLEMENT PLAN, ADD NOTES, REVISE DETECTOR LOOP TABLE & REVISE TIMING/PHASING TABLE	8/14/97

FILE NAME: R207D1

SURVEY C.C.E.
DESIGNED RMA
DRAWN NPN
CHECKED RMA
SCALE 1"=20'

P·E·A
TEL (802) 658-3305 FAX (802) 658-3820
PINKHAM ENGINEERING ASSOCIATES, INC.
Engineers • Planners • Landscape Architects • Surveyors
50 Joy Drive • P.O. Box 2225
South Burlington, VT 05407-2225

TRAFFIC SIGNAL PLAN

ROUTES 7 & 207 INTERSECTION
ST. ALBANS, VERMONT

DATE 6/16/97
DRAWING NO. SHEET 3 OF 9
PROJECT NO. 6375.07