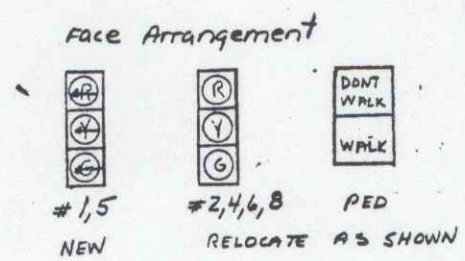


1991 Average Weekday Traffic

AM OFF PM	AM OFF PM
35 75 90	15 35 25
995 1010 1310	1375 910 1235
20 20 5	20 20 10

AM OFF PM	AM OFF PM
15 15 5	40 25 10
0 5 0	
30 85 110	
5 5 0	
5 20 15	



EXT	PHASE A (DWEEL)			PHASE B/C			PHASE D		
	PH	PH	PH	PH	PH	PH	PH	PH	
MIN	34	42	42	8	42	42	8	42	
MAX W/PED	34	42	42	10	42	42	8	42	
MAX W/PED	34	42	42	10	42	42	8	42	

FACE	PH	PH	PH	PH	PH	PH	PH	PH
1	R	R	R	R	R	R	R	R
2	G	Y	R	G	Y	R	G	Y
4	R	R	R	R	R	R	R	R
5	R	R	R	R	R	R	R	R
6	G	Y	R	G	Y	R	G	Y
B	R	R	R	R	R	R	R	R
PED W/B	DN	DN	DN	DN	DN	DN	DN	DN
PED W/C	DN	DN	DN	DN	DN	DN	DN	DN

Electrical Conduit w/wiring -
 11+37 to 13+04 Rt 1/2" PVC
 St Michael's Dr Curb to Pole 1 } 2" PVC
 Vt 15 Curb to Pole 1 }
 Vt 15 Curb to Pole 2 }
 Utility Pole to Pole 1 2 1/2" PVC
 Power Service

Vehicle Loop Detectors

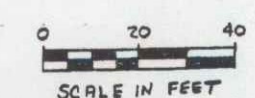
LANE	LOOP #	SIZE	TYPE	# OF TURNS	CALL #	EST. QUANT.
EB LT	1	6'x40'	QUAD	2	Φ C	164'
ST MICHAEL'S	2	6'x30'	QUAD	2	Φ B	110'
WB LT	3	6'x40'	QUAD	2	Φ C	174'
BAGEL FACTORY	4	6'x20'	QUAD	EXISTING	Φ B	
RESIDENCE	5	6'x20'	QUAD	EXISTING	Φ B	

See Traffic Sheet 35 for more loop info.

DATUM
 VERTICAL _____
 HORIZONTAL _____

- TRAFFIC SIGNAL NOTES
- INSTALL NEW REINFORCED CONCRETE BASE FOR POLE #1. ADD CONCRETE PAD PER STD E-1718.
 - RELOCATE POLE #1, WITH VEHICLE HEAD, PED HEAD AND CONTROLLER CABINET, TO NEW BASE. ADD ID PLAQUE TO THE CABINET. THE METER AND DISCONNECT CABINET ARE ON THE SIDE OF THE POLE.
 - INSTALL AN 8' ADJUSTABLE LUMINAIRE ARM ON POLE #1. CENTER THE LUMINAIRE OVER THE SIDEWALK ON THE EAST SIDE OF THE POLE (MOUNTING HEIGHT = 30' +/-).
 - INSTALL NEW SPAN WIRE AND SIGNAL CABLE. RELOCATE EXISTING HEADS AS SHOWN, ADD NEW LEFT TURN HEADS. CHANGE THE EXISTING AERIAL POWER SERVICE TO UNDERGROUND FROM THE RELOCATED UTILITY POLE. THE POWER SERVICE CONDUIT SHALL BE EXTERNAL TO THE BASE AND POLE. SEE DETAIL ON TRAFFIC SHEET 35. PLUG THE EXISTING SERVICE WEATHERHEAD.
 - REMOVE OLD POLE #1 CONCRETE BASE TOTALLY.
 - ADD NEW CONDUIT ENTRIES TO POLE #2 BASE. ONE IS FOR THE WB LEFT TURN LOOP AND THE OTHER FOR THE FLASHING BEACON AT STA. 13+00 RT. SEE TRAFFIC SHEET 2.
 - RELOCATE THE FREE STANDING WOOD POLE #3, MESSENGER CABLE, PED CABLE AND PED HEAD, AS SHOWN.
 - INSTALL LOOPS AND CONDUIT, AS SHOWN. EACH LT LOOP SHALL HAVE ITS OWN AMP. CHANGE THE SIDE STREET LOOPS SUCH THAT ST. MIKE'S DR IS ON ONE AMP AND THE OTHER TWO LOOPS ARE COMBINED ON ANOTHER AMP.
 - ADD THE LEFT TURN PHASE AND ADJUST THE TIMING ON THE OTHER PHASES. RE-WIRE THE CONTROLLER CABINET SUCH THAT THE NORTH AND SOUTH APPROACHES ARE ON SEPARATE LOAD SWITCHES EVEN THOUGH THEY WILL TIME TOGETHER. THE SAME SHALL BE DONE FOR THE EAST/WEST THROUGH APPROACHES. THIS WILL INVOLVE, BUT IS NOT LIMITED TO, MODIFICATION OF THE CONFLICT MONITOR, ADDITION OF LOAD SWITCHES AND ALL OTHER PARTS AND LABOR NECESSARY. REVISE THE CABINET WIRING DIAGRAM TO INDICATE THE CHANGES OR PROVIDE A NEW ONE. THE EXISTING CONTROLLER IS A FOUR-PHASE, MODULAR BY PHASE, EAGLE NO 100 WITH A SETCON INTERSECTION MANAGEMENT SYSTEM (M 601).
 - REMOVE THE ST MIKE'S DR STREET LIGHT AND REMOVE THE OLD BASE TOTALLY. THE POLE, ARM AND LUMINAIRE SHALL BE DELIVERED TO ST. MIKE'S.
 - CLEAN ALL LENSES AND REPLACE ALL SIGNAL LAMPS.
 - TRAFFIC SHALL BE CONTROLLED BY A UTO AT ALL TIMES WHEN THE SIGNAL IS NOT SEQUENCING NORMALLY.

- LIST OF MAJOR EQUIPMENT - (ITEM #78.12 MOD 1)
- SPAN WIRE & SIGNAL CABLE
- 9' X 30" REINFORCED CONCRETE BASE WITH ANCHOR BOLTS & HARDWARE
 - LOOP AMPS WITH DELAY CAPABILITY
 - ONE-WAY 3-SECTION 12" POLYCARBONATE SIGNAL HEADS (RA-YA-GA) WITH CUT-AWAY VISORS
 - ONE-WAY HARDWARE
 - THREE-WAY HARDWARE
 - DISCONNECT HANGERS
 - ADJUSTABLE 8' ARM AND 250 WATT MERCURY LUMINAIRE
 - MISCELLANEOUS EQUIPMENT, HARDWARE, ETC. TO COMPLETE THE WORK AS SHOWN



JUN 29 1994

TRAFFIC SIGNAL DETAILS

Vt 15 @
 ST MICHAEL'S (W)
 BAGEL FACTORY

SURVEYED BY _____ DATE _____
 DRAWN BY LKA DATE 2/91
 SQUAD LEADER _____
 DESIGN FILE NO. _____ DATE PLOTTED _____
 PROJ. NAME COLCHESTER-ESSEX
 PROJ. NO. F030-1 (13)
 SHEET 3A OF 4 SHEETS

LEGEND

EXISTING	RELOCATED	NEW	LEGEND
○	○	○	UTILITY POLE
○	○	○	LUMINAIRE
○	○	○	LIGHT POLE
○	○	○	STRAIN POLE
○	○	○	CONTROLLER CABINET
○	○	○	PULL BOX / JUNCTION BOX
○	○	○	SIGNAL HEAD
○	○	○	CONDUIT
○	○	○	VEHICLE LOOPS
○	○	○	SIGNS