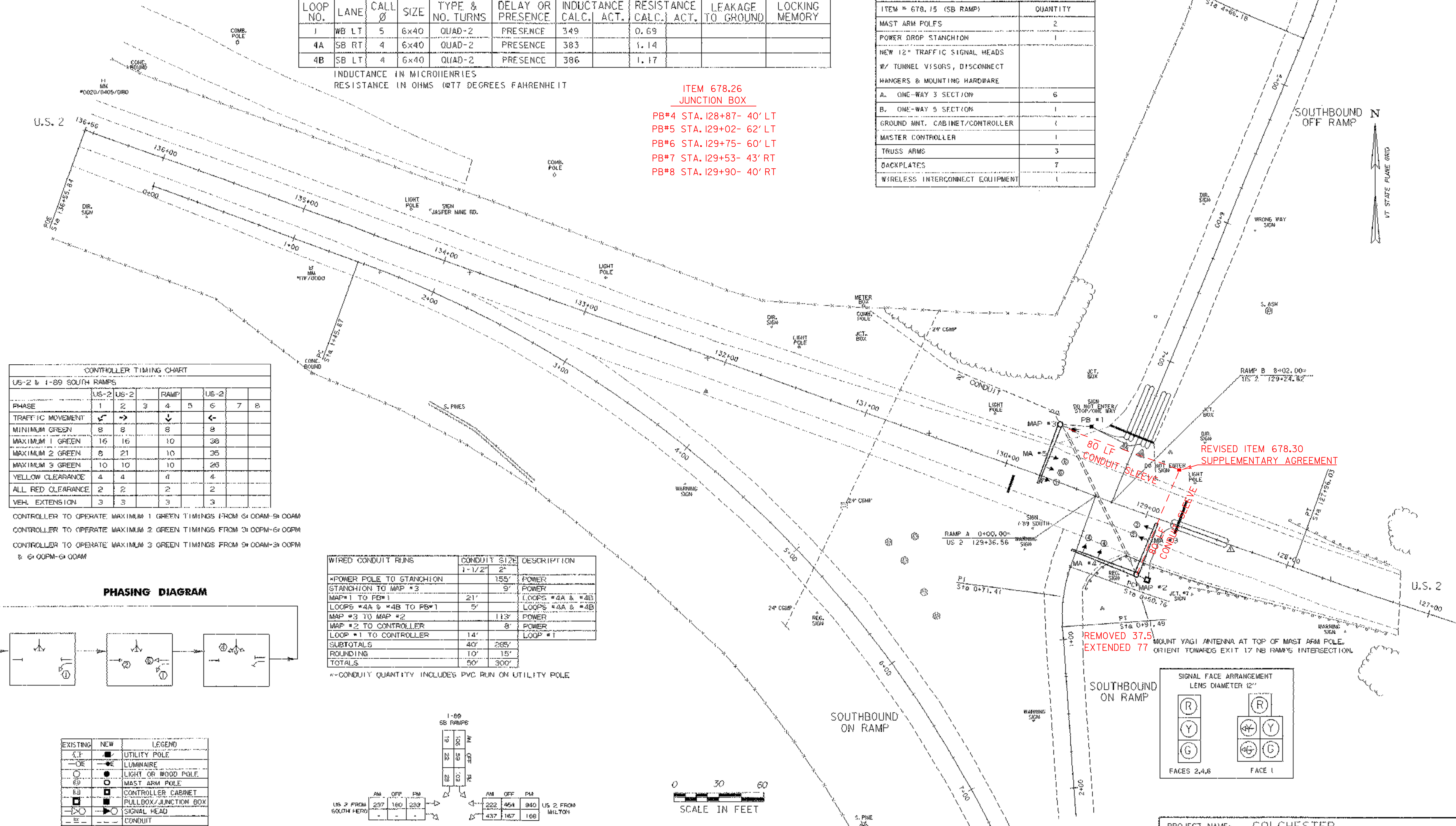


VEHICLE DETECTOR LOOPS										
LOOP NO.	LANE	CALL Ø	SIZE	TYPE & NO. TURNS	DELAY OR PRESENCE	INDUCTANCE CALC. ACT.	RESISTANCE CALC. ACT.	LEAKAGE TO GROUND	LOCKING MEMORY	
J	WB LT	5	6x40	QUAD-2	PRESENCE	349	0.69			
4A	SB RT	4	6x40	QUAD-2	PRESENCE	383	1.14			
4B	SB LT	4	6x40	QUAD-2	PRESENCE	386	1.17			

INDUCTANCE IN MICROHENRIES  
RESISTANCE IN OHMS @77 DEGREES FAHRENHEIT

**ITEM 678.26  
JUNCTION BOX**  
PB#4 STA. I28+87- 40' LT  
PB#5 STA. I29+02- 62' LT  
PB#6 STA. I29+75- 60' LT  
PB#7 STA. I29+53- 43' RT  
PB#8 STA. I29+90- 40' RT

LIST OF MAJOR EQUIPMENT	
ITEM # 678.15 (SB RAMP)	QUANTITY
MAST ARM POLES	2
POWER DROP STANCHION	1
NEW 12" TRAFFIC SIGNAL HEADS W/ TUNNEL VISORS, DISCONNECT HANGERS & MOUNTING HARDWARE	
A. ONE-WAY 3 SECTION	6
B. ONE-WAY 5 SECTION	1
GROUND MNT. CABINET/CONTROLLER	1
MASTER CONTROLLER	1
TRUSS ARMS	3
BACKPLATES	7
WIRELESS INTERCONNECT EQUIPMENT	1



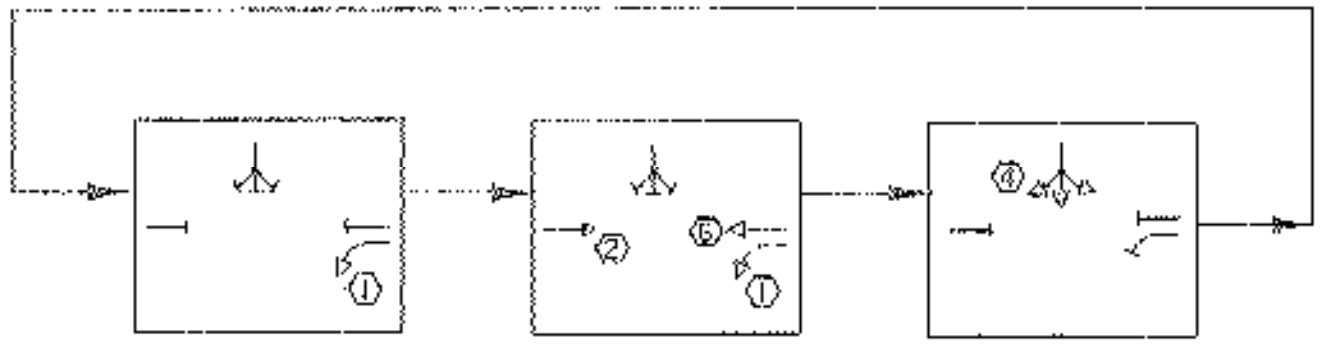
CONTROLLER TIMING CHART								
US-2 & I-89 SOUTH RAMPS								
PHASE	1	2	3	4	5	6	7	8
TRAFFIC MOVEMENT	↔	↔	↔	↔	↔	↔	↔	↔
MINIMUM GREEN	8	8	8	8	8	8	8	8
MAXIMUM 1 GREEN	16	16	10	10	36			
MAXIMUM 2 GREEN	8	21	10	10	35			
MAXIMUM 3 GREEN	10	10	10	10	25			
YELLOW CLEARANCE	4	4	4	4	4			
ALL RED CLEARANCE	2	2	2	2	2			
VEH. EXTENSION	3	3	3	3	3			

CONTROLLER TO OPERATE MAXIMUM 1 GREEN TIMINGS FROM 6:00AM-9:00AM  
CONTROLLER TO OPERATE MAXIMUM 2 GREEN TIMINGS FROM 9:00AM-6:00PM  
CONTROLLER TO OPERATE MAXIMUM 3 GREEN TIMINGS FROM 9:00AM-3:00PM & 6:00PM-9:00AM

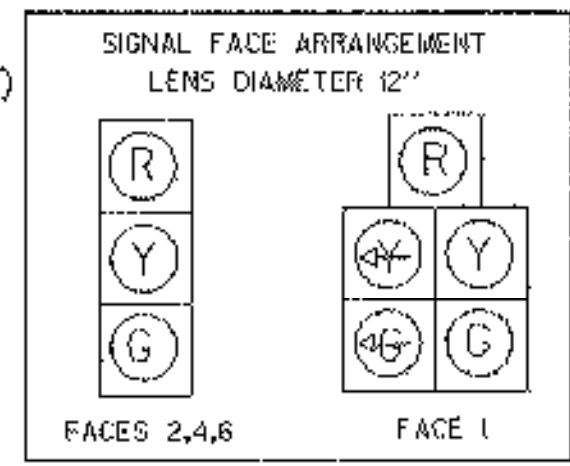
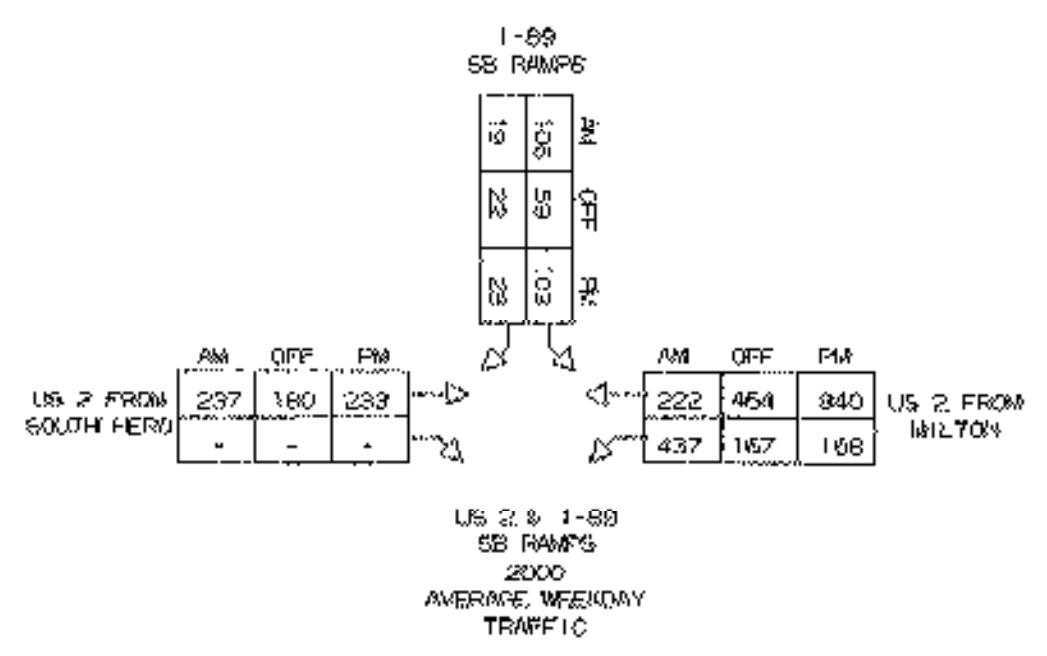
WIRED CONDUIT RUNS	CONDUIT SIZE	DESCRIPTION
*POWER POLE TO STANCHION	1-1/2"	155' POWER
STANCHION TO MAP #3	2"	9' POWER
MAP#1 TO PB#1	21'	9' LOOPS #4A & #4B
LOOPS #4A & #4B TO PB#1	5'	5' LOOPS #4A & #4B
MAP #3 TO MAP #2	113'	113' POWER
MAP #2 TO CONTROLLER	8'	8' POWER
LOOP #1 TO CONTROLLER	14'	14' LOOP #1
SUBTOTALS	40'	285'
ROUNDING	10'	15'
TOTALS	50'	300'

\*CONDUIT QUANTITY INCLUDES PVC RUN ON UTILITY POLE

**PHASING DIAGRAM**



EXISTING	NEW	LEGEND
○	●	UTILITY POLE
○	○	LUMINAIRE
○	○	LIGHT OR WOOD POLE
○	○	MAST ARM POLE
□	□	CONTROLLER CABINET
□	□	PULL BOX/JUNCTION BOX
○	○	SIGNAL HEAD
—	—	CONDUIT
—	—	VEHICLE LOOPS
—	—	STANCHION
—	—	SWEEP



PROJECT NAME: COLCHESTER  
PROJECT NUMBER: NHG\_SGNL(22)  
FILE NAME: xbl34tsl.j  
PROJECT LEADER: B. NYQUIST  
DESIGNED BY: B. MCAVOY  
PLOT DATE: 18-SEP-2003  
DRAWN BY: B. MCAVOY  
CHECKED BY:  
SHEET 3 OF 15