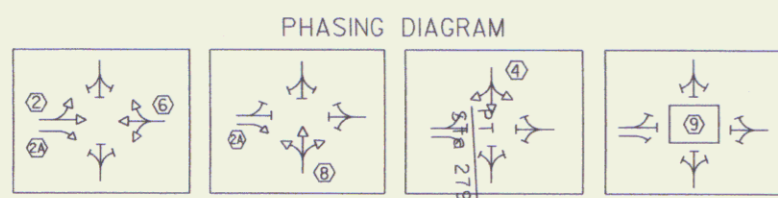


CONTROLLER TIMING CHART								
LOCAL PROGRAMMING	PHASE							
	1	2	3	4	5	6	7	8
MINIMUM GREEN		8		8		8		8
EXTENSION		2		2		2		2
YELLOW CLEARANCE		4		4		4		4
ALL RED CLEARANCE		2		2		2		2
MAXIMUM GREEN		18		14		34		9
RECALL		MIN		OFF		MIN		OFF
MEMORY		NON		NON		NON		LOCK

\* - CONTROLLER TO OPERATE ABOVE TIMINGS FROM 6:30AM-9:30PM



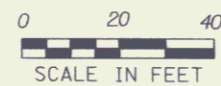
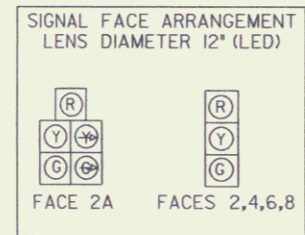
**BEGIN PROJECT**  
**ESSEX STPG SGNL(17)**  
**VT 15 STA. 279+56.9**

**END PROJECT**  
**ESSEX STPG SGNL(17)**  
**TOWERS RD. STA. 11+50**

VEHICLE DETECTOR LOOPS								
LOOP NO.	LANE	CALL Ø	SIZE	TYPE & NO. TURNS	DELAY OR PRESENCE	INDUCTANCE CALC. ACT.	RESISTANCE CALC. ACT.	LEAKAGE TO GROUND
2	EB	2	6x40	QUAD-2	PRESENCE	397	1.33	
2A	EB RT	2	6x40	QUAD-2	PRESENCE	392	1.26	
4	SB	4	6x40	QUAD-2	PRESENCE	365	0.91	
6	WB	4	6x40	QUAD-2	PRESENCE	348	0.69	
8	NB	8	6x40	QUAD-2	PRESENCE	363	0.88	

\* - INDUCTANCE IN MICROHENRIES  
 \* - RESISTANCE IN OHMS (@77 DEGREES FAHRENHEIT)

- NOTES:
1. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM THE LOCATION OF ANY EXISTING TRAFFIC SIGNAL CONDUIT, PULLBOXES, LOOP LEAD-IN'S, AND THE ROUTING OF THE ELECTRICAL WIRING (CIRCUITS) ASSOCIATED WITH THESE ITEMS. THE COST OF THIS WORK SHALL BE CONSIDERED A PART OF THE 'TRAFFIC SIGNAL' ITEM 678.15.
  2. ALL EXISTING SIGNAL EQUIPMENT IS THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE DISPOSED OF. REMOVAL OF EQUIPMENT SHALL INCLUDE REMOVAL OF CONCRETE BASES AND BACKFILL OF HOLES. REMOVAL TO BE PAID SUBSIDIARY TO 'TRAFFIC SIGNAL' ITEM 678.15.
  3. CALL DIG SAFE PRIOR TO PERFORMING ANY EXCAVATION WORK.
  4. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM THE ACTUAL LOCATION OF THE EXISTING UNDERGROUND FACILITIES PRIOR TO EXCAVATING. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.



**END PROJECT**  
**ESSEX STPG SGNL(17)**  
**VT 15 STA. 283+10**

EXISTING	NEW	LEGEND
⊠	⊠	UTILITY POLE
⊙	⊙	LUMINAIRE
○	○	LIGHT OR WOOD POLE
⊙	⊙	STRAIN POLE
⊠	⊠	CONTROLLER CABINET
⊠	⊠	PULLBOX/JUNCTION BOX
⊠	⊠	SIGNAL HEAD
⊠	⊠	CONDUIT
⊠	⊠	VEHICLE LOOPS
⊠	⊠	PEDESTAL POST
⊠	⊠	STANCHION
⊠	⊠	SWEEP

**NEW MAST ARM DESIGN**

PROJECT NAME: ESSEX  
 PROJECT NUMBER: STPG SGNL(17)

FILE NAME: fb182tr2.dgn/fb182tr.f1  
 PROJECT LEADER:  
 DESIGNED BY:

PLOT DATE: 10-AUG-2004  
 DRAWN BY:  
 CHECKED BY:  
 R.O.W. SHEET 2 OF 5

