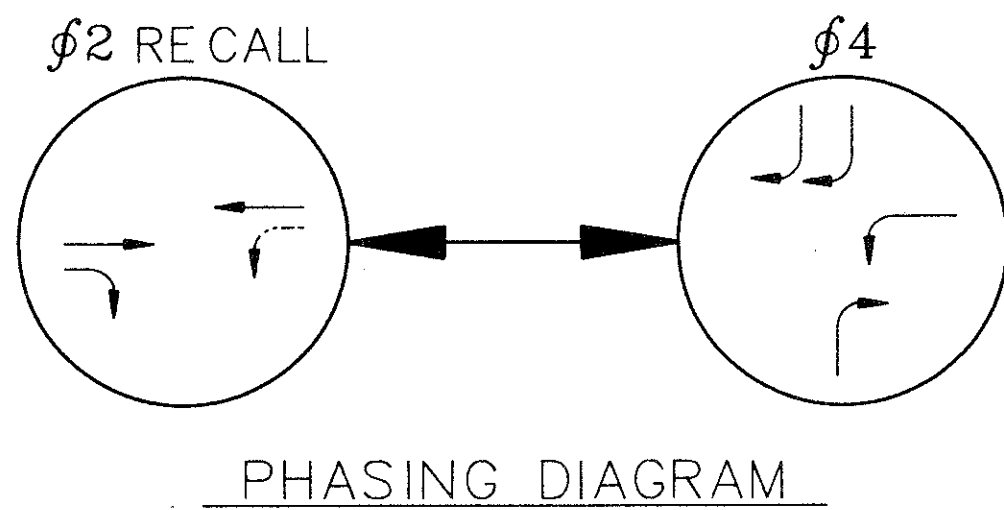
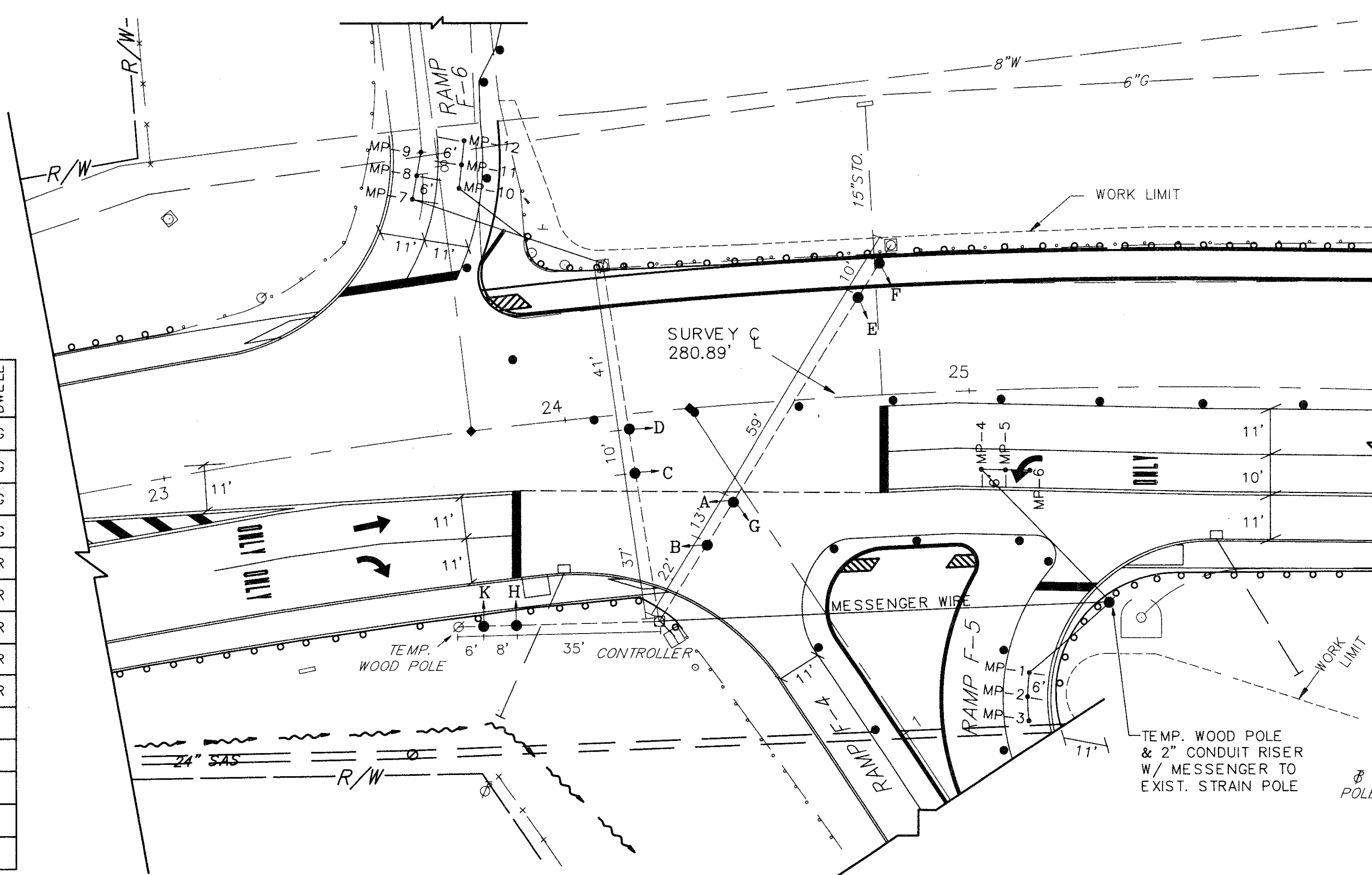


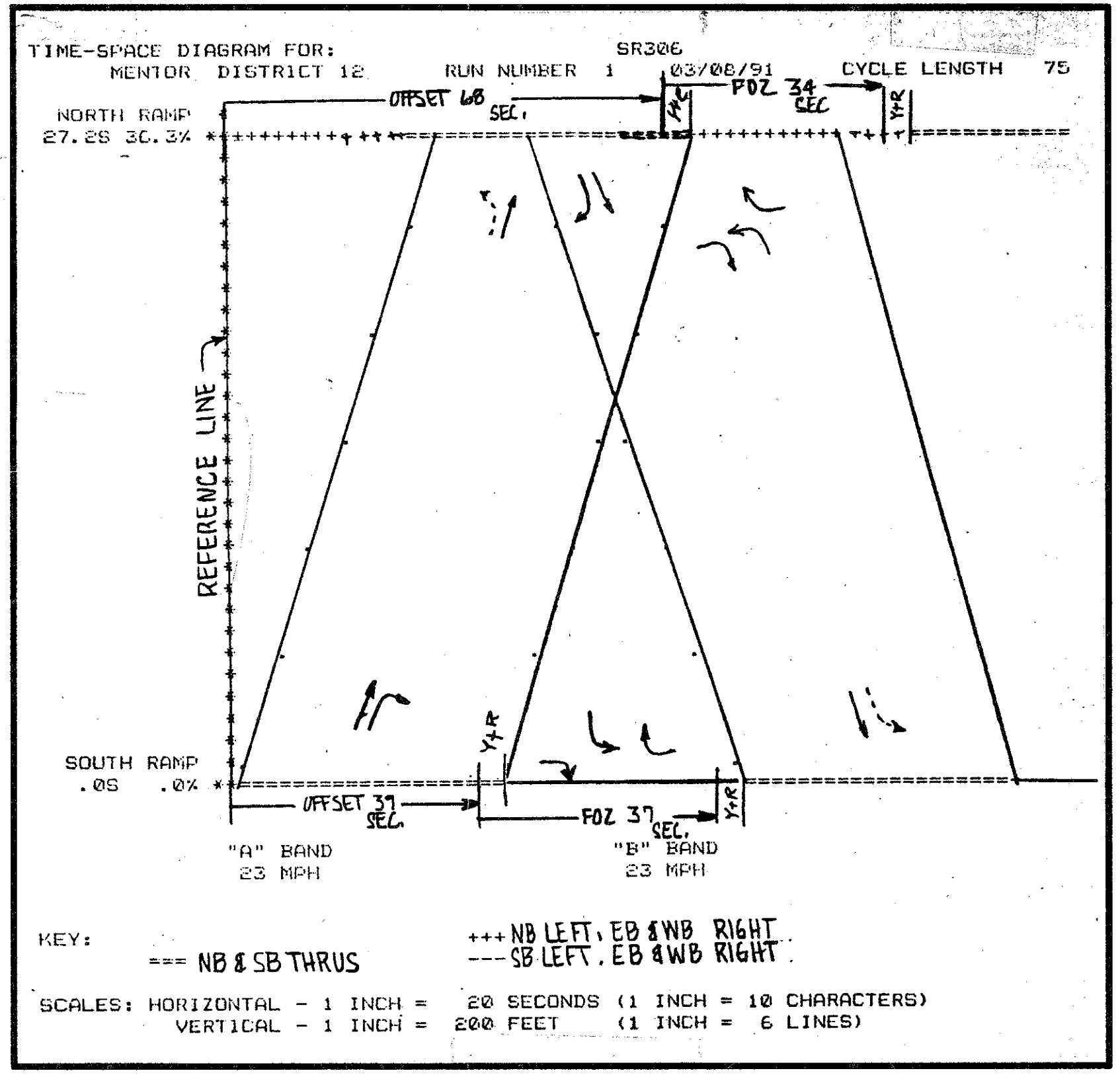
PHASE 2



SIGNAL HEAD	φ2		φ4		R/W	CLEAR	FLASH	DWELL
	R/W	CLEAR	R/W	CLEAR				
A	G	Y R	R	R R			Y	G
B	G	Y R	R	R R			Y	G
C	G	Y R	R	R R			Y	G
D	G	Y R	R	R R			Y	G
E	R	R R	G	Y R			R	R
F	R	R R	G	Y R			R	R
G	R	R R	G	Y R			R	R
H	R	R R	G	Y R			R	R
K	R	R R	G	Y R			R	R



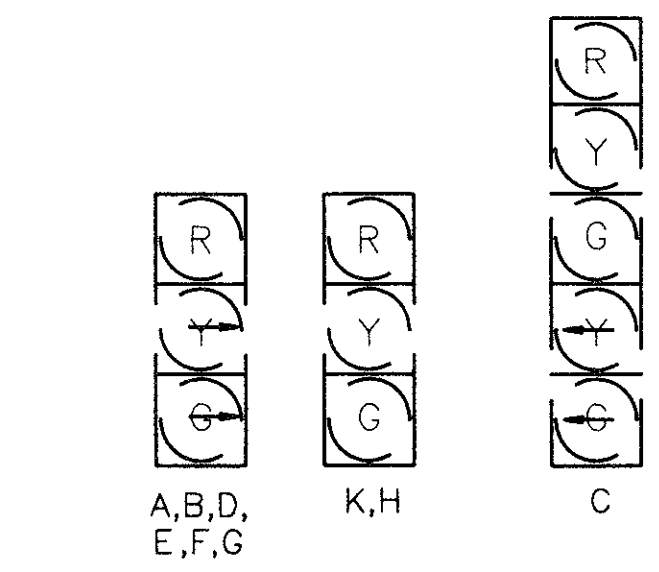
① TIME SPACE DIAGRAM 75 SEC. CYCLE BALANCED



SIGNAL SEQUENCE CHART

FUNCTION	φ2	φ4
INITIAL GREEN	-	7.0
MINIMUM GREEN	30.0	-
VEHICLE EXTENSION	-	2.5
MAXIMUM GREEN	-	15.0
PEDESTRIAN WALK	-	-
PEDESTRIAN CLEARANCE	-	-
VEHICLE YELLOW CLEARANCE	3.5	3.5
VEHICLE ALL RED CLEARANCE	1.0	1.0
RECALL	YES	
MEMORY		

SIGNAL TIMING CHART



EX. 12" SIGNAL HEADS RELOCATED, AS PER PLAN

NOTE: MAGNETOMETER PROBES SHALL BE INSTALLED BETWEEN A DEPTH OF 18"-24" LOCATED 25' BACK FROM STOP LINE.
 NOTE: LEAD-IN SHALL BE PLACED AND/OR PROTECTED THROUGH CONSTRUCTION WORK LIMITS.

LOOP	SIZE	TURNS	MODE	DELAY	PHASE	REMARK	INHIBITED DELAY	LOCATION 1st MAG PROBE
MP-1,2,3			PRESENCE	15.0	φ4		YES	STA. 1+05, 32'L
MP-4,5,6			PRESENCE	3.0	φ4		YES	STA. 25+03, 19'R
MP-7,8,9			PRESENCE	15.0	φ4		YES	STA. 8+07, 7'R
MP-10,11,12			PRESENCE	15.0	φ4		YES	STA. 8+06, 4'L

LOOP DETECTOR CHART

SOUTH RAMPS / PHASE 2 CONSTRUCTION

DESCRIPTION	TIMING PROGRAM (CYCLE NO.)			
	1			
CYCLE LENGTH (SEC.)	75			
OFFSET (RESET) NO. 1 (SEC.)	39			
FORCE - OFF #2	37			
FORCE - OFF #3				
FORCE - OFF #4				
FORCE - OFF #5				
LENGTH OF HOLD - RELEASE OR YIELD (PERMISSIVE) (SEC.)	4			

- OFFSETS ARE MEASURED FROM INCOMING MASTER SYNCH PULSE TIME TO HOLD-RELEASE (YIELD) AT END OF MAJOR STREET PHASE WHICH IS PHASE # 1. END OF MAJOR STREET PHASE IS END OF GREEN/BEGINNING OF YELLOW, EXCEPT WHERE PEDESTRIAN TIMING PROVIDED, IN WHICH CASE IT IS END OF GREEN PLUS WALK/BEGINNING OF GREEN - PLUS FLASHING DON'T WALK.
- FORCE OFF IS MEASURED FROM THE HOLD RELEASE (YIELD).

THE CONTRACTOR SHALL PROVIDE COORDINATION OBTAINED FROM THE EXISTING INTERCONNECT OR THE USE OF TIME BASE COORDINATORS.