

PHASING DIAGRAM

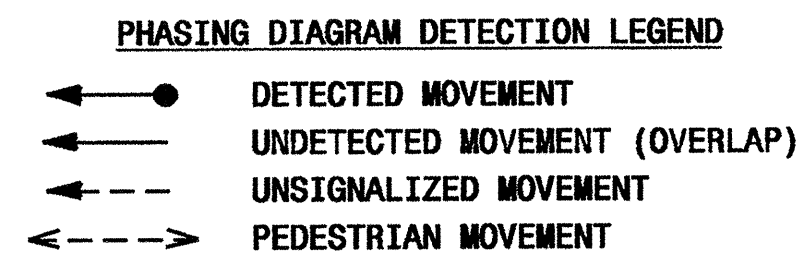
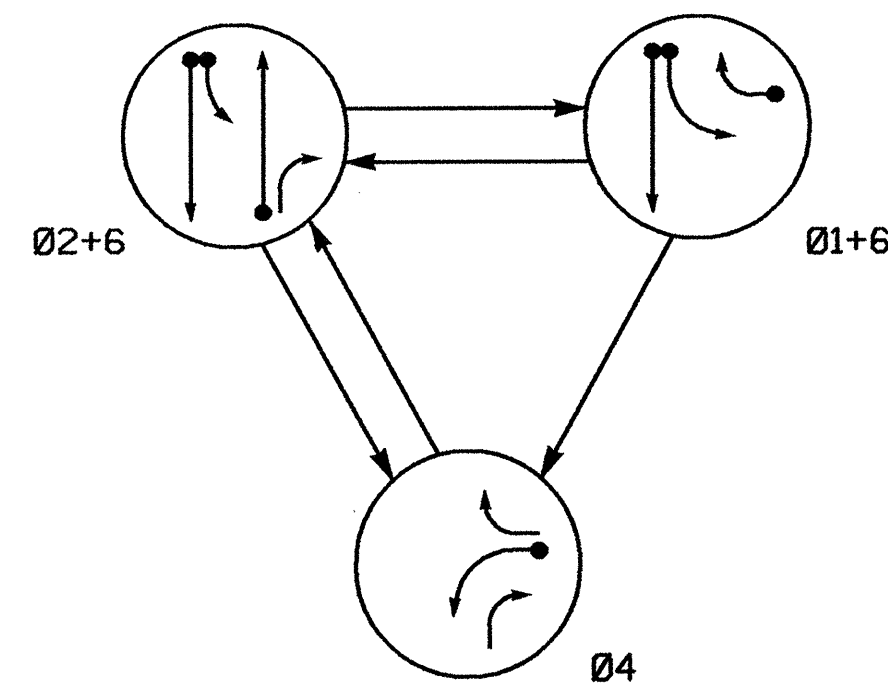


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	Ø 2+6	Ø 1+6	Ø 4	F L H S D H
21	G	R	R	Y
22	G	R	Y	
41	R	R	G	R
42	R	Y	G	R
61	G	Y	R	Y
62	G	G	R	Y

PLAN QUANTITIES

Pay Item	Feet
Signal Cable	810
Messenger Cable	680
Lead-in Cable	570

2070L LOOP & DETECTOR INSTALLATION

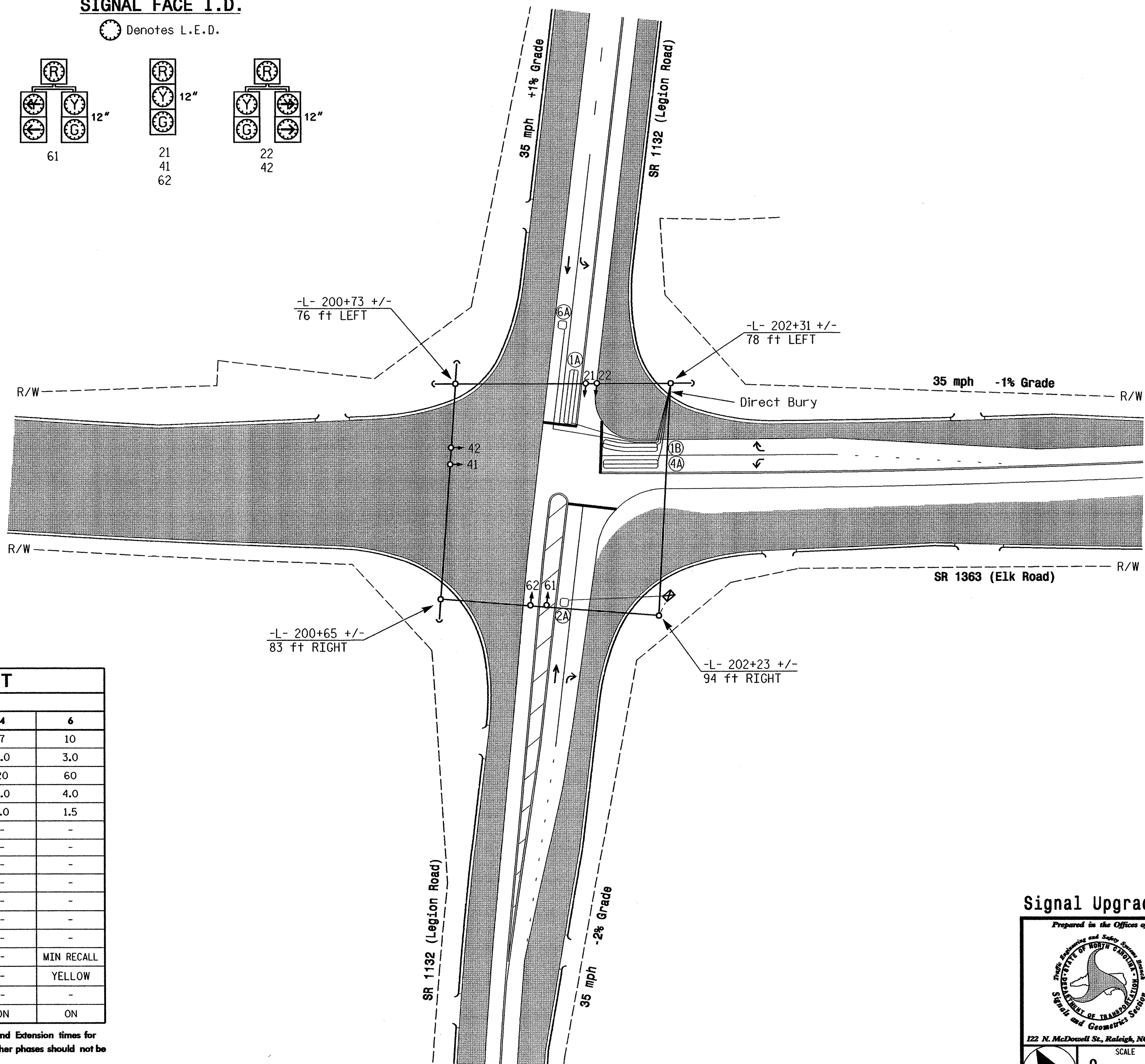
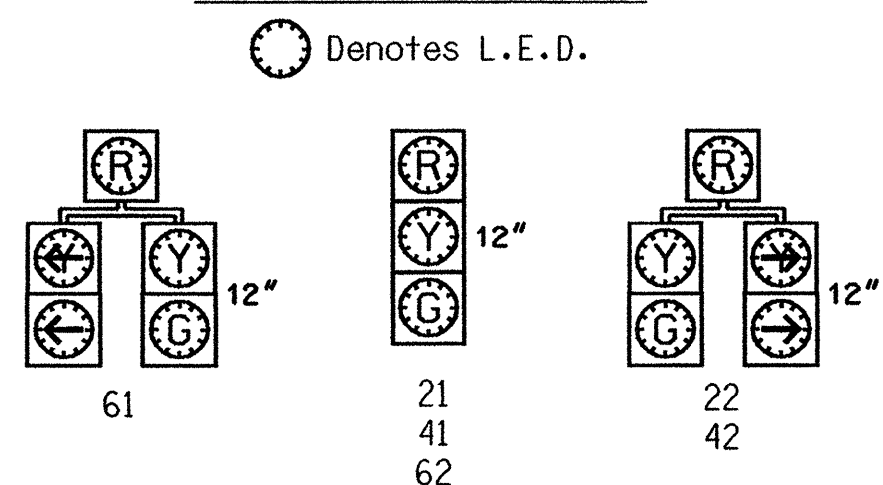
LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	6x40	2-4-2	0	Y	6	Y	Y	-	-	-	-	Y
1B	6x40	2-4-2	0	Y	1	Y	Y	-	-	-	15	Y
2A	6x6	4	70	Y	2	Y	Y	-	-	-	-	Y
4A	6x40	2-4-2	0	Y	4	Y	Y	-	-	-	3	Y
6A	6x6	4	70	Y	6	Y	Y	-	-	-	-	Y

3 Phase Fully Actuated (Isolated)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Set all detector units to presence mode.

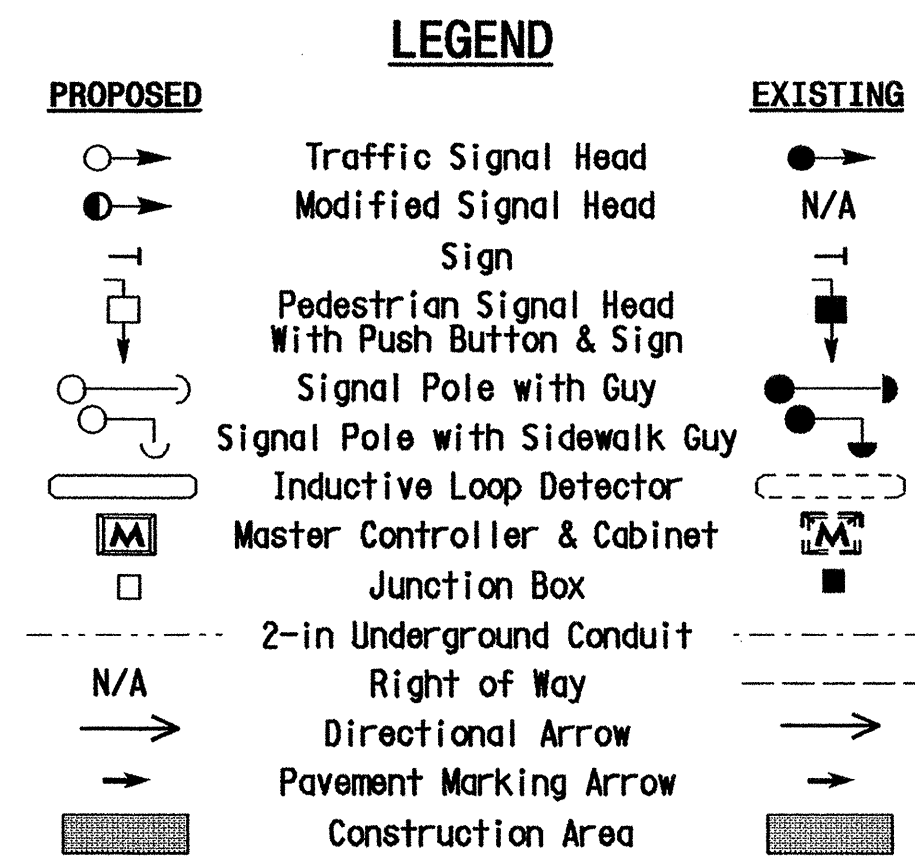
SIGNAL FACE I.D.



**2070L TIMING CHART**

FEATURE	PHASE			
	1	2	4	6
Min Green 1 *	7	10	7	10
Extension 1 *	2.0	3.0	2.0	3.0
Max Green 1 *	15	60	20	60
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	1.0	1.5	1.0	1.5
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	-	MIN RECALL	-	MIN RECALL
Vehicle Call Memory	-	YELLOW	-	YELLOW
Dual Entry	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON

\* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.



Signal Upgrade: Phase II Temporary Design 1

	<b>SR 1132 (Legion Road) at SR 1363 (Elk Road)</b>	
	Division 6 Cumberland County Hope Mills	
	PLAN DATE: September 2003 PREPARED BY: P.J. Porter	REVIEWED BY: L.A. Elliott REVIEWED BY: STF/JPG
	SCALE: 1"=50' 	SIGNATURE: <i>[Signature]</i> DATE: 10/22/03