

PHASING DIAGRAM

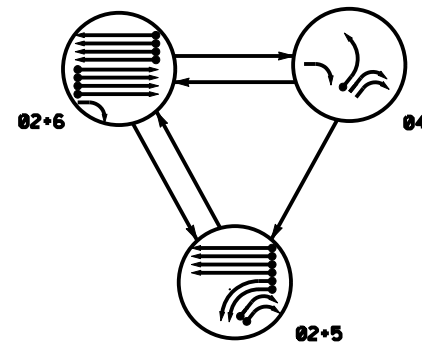
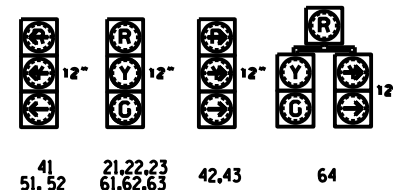


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	0 2 5	0 2 6	0 4	F L A S H
21,22,23	G	G	R	Y
41	R	R	—	R
42, 43	—	—	—	R
51, 52	—	R	R	R
61,62,63	R	G	R	Y
64	R	G	R	Y

SIGNAL FACE I.D.

 Denotes L.E.D.



LOOP & DETECTOR UNIT INSTALLATION CHART

SE-PAC 2070 CONTROLLER WITH 170 CABINET

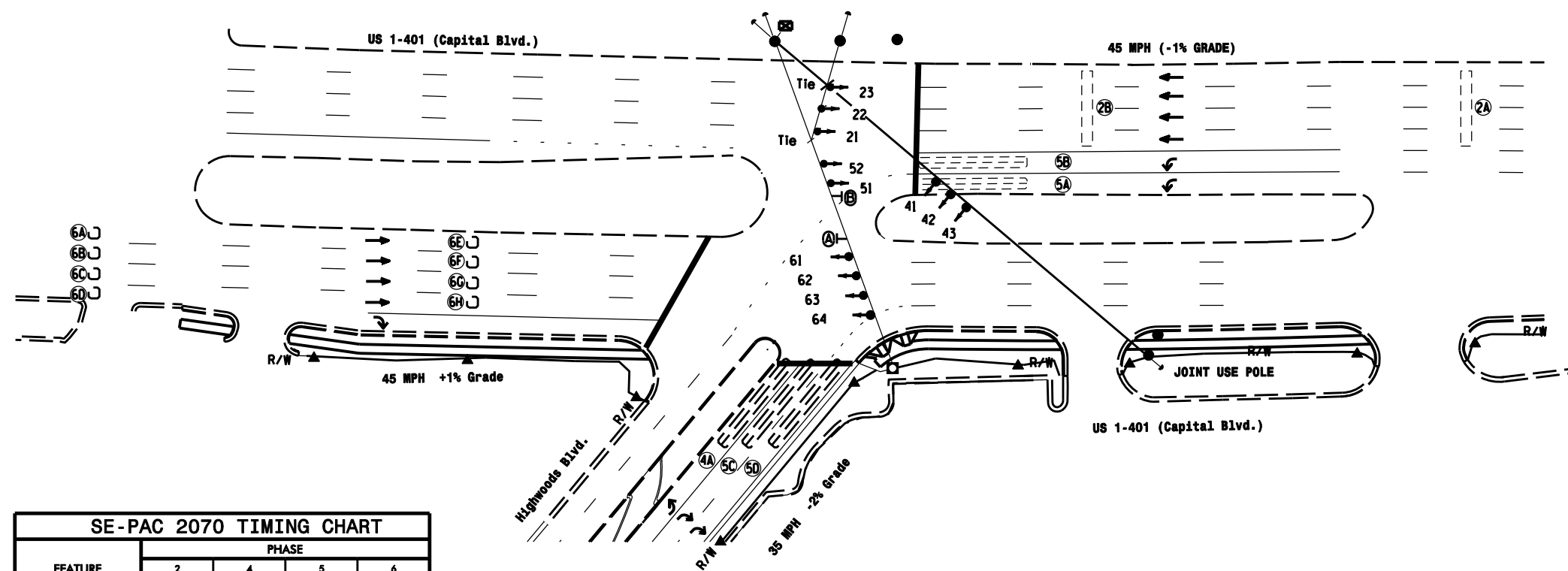
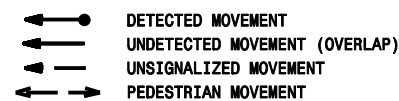
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3 Phase
Fully Actuated
(Raleigh City Signal System)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated July 2006 and "Standard Specifications for Roads and Structures" dated July 2006.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 5 may be logged.
4. Set all detector units to presence mode.
5. In the event of loop replacement, refer to the current Signals and Geometrics Design Manual and submit a Plan of Record to the Signals and Geometrics Section.
6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
7. Pavement markings are existing.
8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

PHASING DIAGRAM DETECTION LEGEND

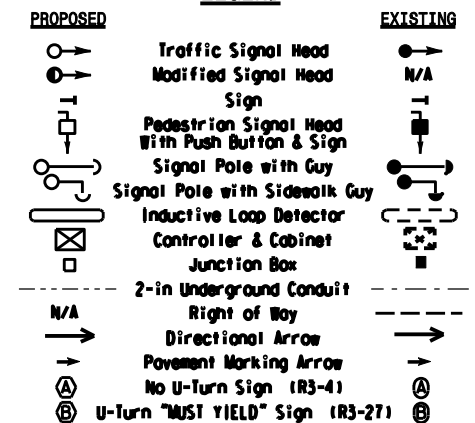


SE-PAC 2070 TIMING CHART

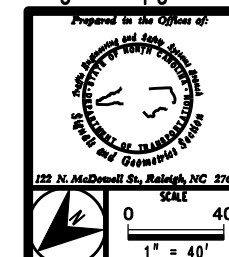
FEATURE	PHASE			
	2	4	5	6
Min Green *	12	7	7	12
Passage Gap *	6.0	1.0	1.0	6.0
Maximum Green *	100	30	20	100
Yellow Change	4.6	3.0	3.0	4.4
Red Clear	1.3	3.7	3.9	1.6
Walk *	-	-	-	-
Pedestrian Clear	-	-	-	-
Added Initial *	-	-	-	-
Maximum Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MIN RECALL	-	-	MIN RECALL
Vehicle Call Memory	LOCK	NON-LOCK	NON-LOCK	LOCK
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.

LEGEND



Signal Upgrade



US 1-401 (Capital Blvd.)
At
Highwoods Boulevard

Division 5 Wake County Raleigh

PLAN DATE:	October 2006	REVIEWED BY:	Z. M. Little
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7603	PREPARED BY: L. Blount	REVIEWED BY: D. Y. Ishak
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REVISIONS	INIT.	DATE

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SEAL

PRELIMINARY PLANS

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

SIGNATURE _____ DATE _____

SIG. INVENTORY NO. 05-0844