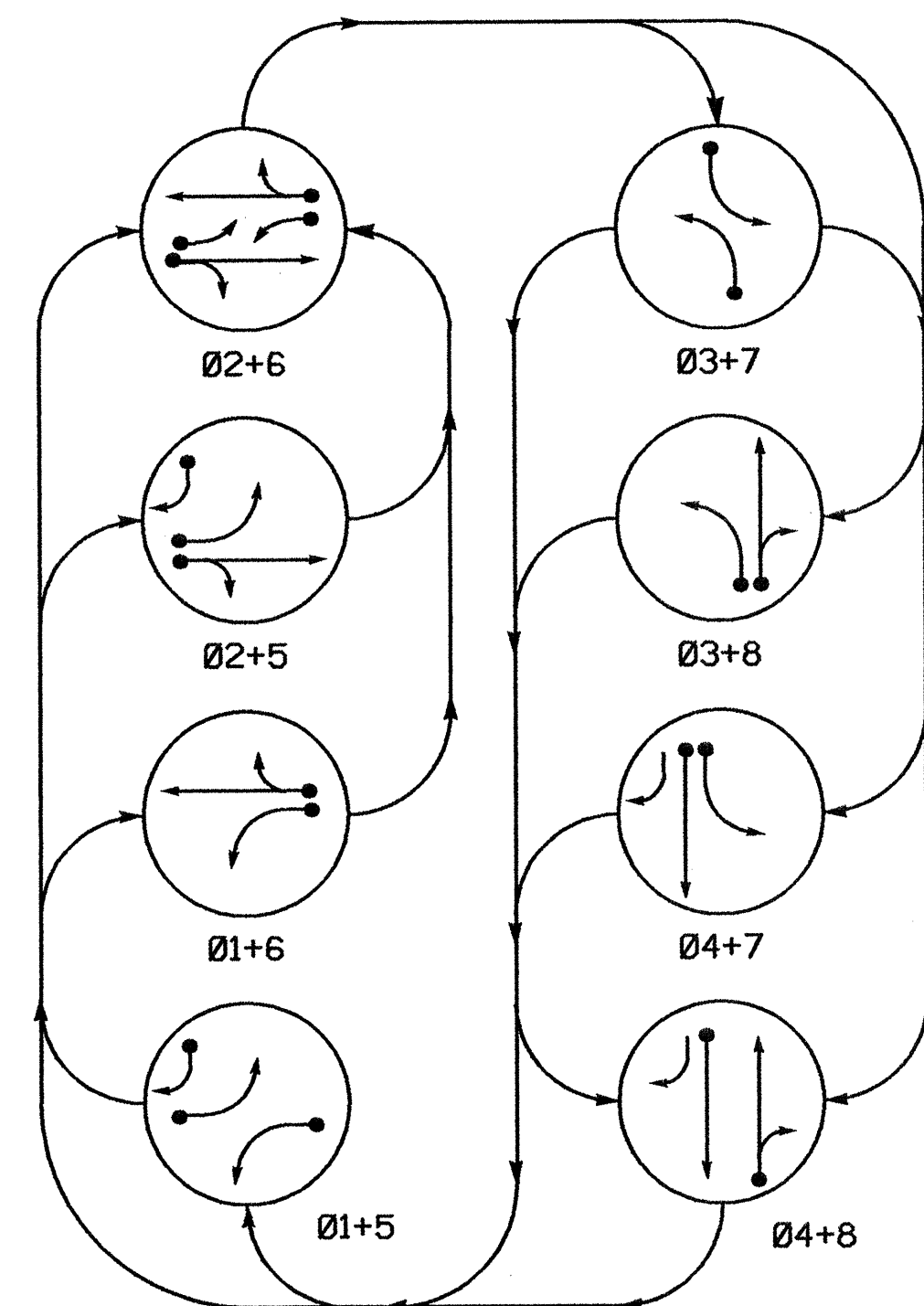


8 Phase Fully Actuated High Point City System

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Reposition existing signal heads numbered 21, 22, 61, & 62.
4. Omit phase 1 during phase 2 on.
5. Omit phase 5 during phase 6 on.
6. Program controller to clear from phase 2+6 to phase 1 and/or 5 by progressing through phase 4+8 (see Electrical Details).
7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
8. Phase 3 or phase 7 may be lagged.
9. Set all detector units to presence mode.
10. Signal system intersection ID # 736.

PHASING DIAGRAM

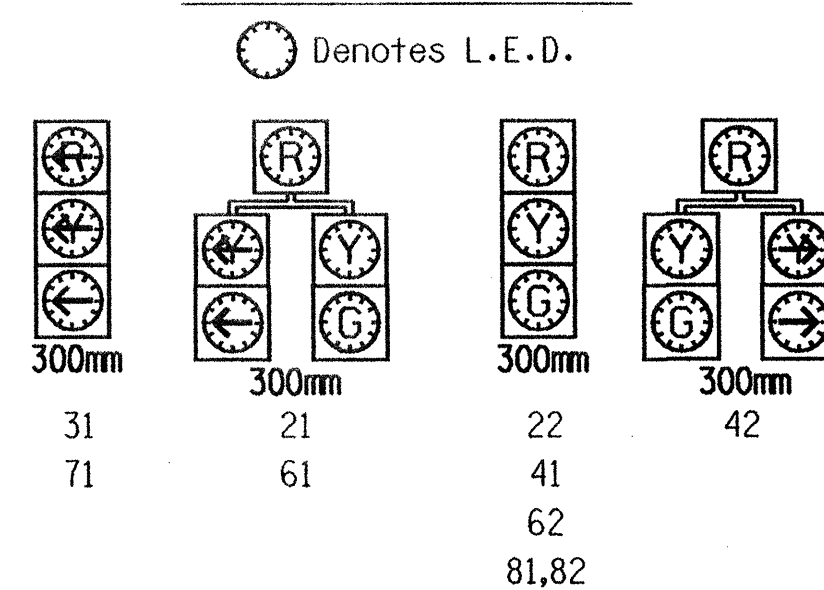


PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- - - UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE								F L S H
	Ø1+5	Ø1+6	Ø2+5	Ø2+6	Ø3+7	Ø3+8	Ø4+7	Ø4+8	
21	R	R	G	R	R	R	R	Y	
22	R	R	G	R	R	R	R	Y	
31	R	R	R	R	R	R	R	R	
41	R	R	R	R	R	R	R	G	
42	R	R	R	R	R	R	R	G	
61	R	R	G	R	R	R	R	Y	
62	R	R	G	R	R	R	R	Y	
71	R	R	R	R	R	R	R	R	
81,82	R	R	R	R	R	R	R	G	

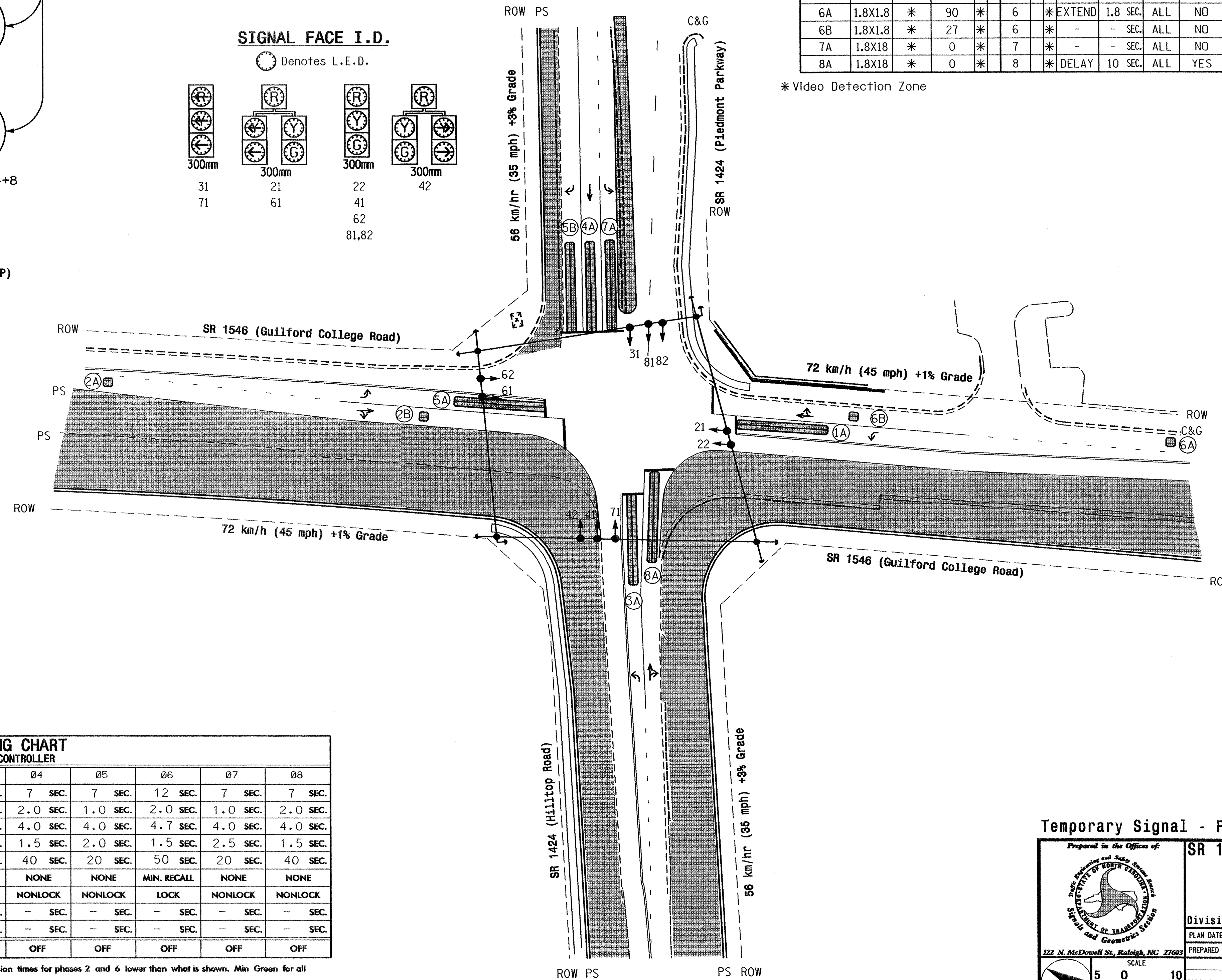
SIGNAL FACE I.D.



DETECTION ZONE & DETECTOR UNIT INSTALLATION PEEK TS-2 CONTROLLER AND CABINET

LOOP NO.	SIZE (m)	TURNS	DIST. FROM STOPBAR (m)	NEW EXISTING	NEMA PHASE		TIMING		PLACE CALL DURING PHASE	INHIBIT DELAY DURING GREEN?
					NEW	EXISTING	FEATURE	TIME		
1A	1.8X18	*	0	*	1	*	DELAY	15 SEC.	ALL	YES
2A	1.8X1.8	*	90	*	2	*	EXTEND	1.8 SEC.	ALL	NO
2B	1.8X1.8	*	27	*	2	*	-	- SEC.	ALL	NO
3A	1.8X18	*	0	*	3	*	DELAY	3 SEC.	ALL	YES
4A	1.8X18	*	0	*	4	*	-	- SEC.	ALL	NO
5A	1.8X18	*	0	*	5	*	DELAY	15 SEC.	ALL	YES
5B	1.8X1.8	*	0	*	5	*	DELAY	15 SEC.	ALL	YES
6A	1.8X1.8	*	90	*	6	*	EXTEND	1.8 SEC.	ALL	NO
6B	1.8X1.8	*	27	*	6	*	-	- SEC.	ALL	NO
7A	1.8X18	*	0	*	7	*	-	- SEC.	ALL	NO
8A	1.8X18	*	0	*	8	*	DELAY	10 SEC.	ALL	YES

\* Video Detection Zone



PLAN QUANTITIES

Pay Item	Meters
Signal Cable	0
Messenger Cable	0
Lead-in Cable	0

LEGEND

- | PROPOSED   | EXISTING |
|--|----------|
| ○ Traffic Signal Head                            | ● N/A    |
| ○ Modified Signal Head                           | ○ N/A    |
| □ Sign   | □ N/A    |
| □ Pedestrian Signal Head With Push Button & Sign | □ N/A    |
| □ Signal Pole with Guy                           | □ N/A    |
| □ Signal Pole with Sidewalk Guy                  | □ N/A    |
| □ Inductive Loop Detector                        | □ N/A    |
| □ Controller & Cabinet                           | □ N/A    |
| □ Junction Box                                   | □ N/A    |
| □ 50mm Underground Conduit                       | □ N/A    |
| — Right of Way with Marker                       | — N/A    |
| → Directional Arrow                              | → N/A    |
| → Pavement Marking Arrow                         | → N/A    |
| ▬ Construction Zone                              | ▬ N/A    |
| ▬ Video Detection Zone                           | ▬ N/A    |

TIMING CHART PEEK CONTROLLER

PHASE	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
MINIMUM GREEN*	7 SEC.	12 SEC.	7 SEC.	7 SEC.	7 SEC.	12 SEC.	7 SEC.	7 SEC.
PASSAGE/GAP*	1.0 SEC.	2.0 SEC.	1.0 SEC.	2.0 SEC.	1.0 SEC.	2.0 SEC.	1.0 SEC.	2.0 SEC.
YELLOW CHANGE INT.	4.0 SEC.	4.7 SEC.	4.0 SEC.	4.0 SEC.	4.0 SEC.	4.7 SEC.	4.0 SEC.	4.0 SEC.
RED CLEARANCE	2.0 SEC.	1.5 SEC.	2.5 SEC.	1.5 SEC.	2.0 SEC.	1.5 SEC.	2.5 SEC.	1.5 SEC.
MAX. I*	20 SEC.	50 SEC.	20 SEC.	40 SEC.	20 SEC.	50 SEC.	20 SEC.	40 SEC.
RECALL POSITION	NONE	MIN. RECALL	NONE	NONE	NONE	MIN. RECALL	NONE	NONE
VEHI. CALL MEMORY	NONLOCK	LOCK	NONLOCK	NONLOCK	NONLOCK	LOCK	NONLOCK	NONLOCK
WALK	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.
FLASHING DON'T WALK	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.
VOLUME DENSITY	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

\* 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.

Temporary Signal - Phase 2

Prepared in the Office of:  
  
 STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 Signal and Geometric Section

SR 1546 (Guilford College Road)  
 At  
 SR 1424 (Hilltop Road/  
 Piedmont Parkway)

Division 7 Guilford County S. of Greensboro  
 PLAN DATE: July 2004 REVIEWED BY: J. P. Galloway  
 PREPARED BY: CJC/TSB REVIEWED BY:

722 N. McDowell St., Raleigh, NC 27603  
 SCALE: 1:500

REVISIONS: INIT. DATE

SEAL  
  
 Timothy J. Williams 8/17/04  
 SIGNATURE DATE  
 SIG. INVENTORY NO. 07-1217 T2