

8 Phase Fully Actuated High Point City System

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Omit phase 1 during phase 2 on.
- Omit phase 5 during phase 6 on.
- Program controller to clear from phase 2+6 to phase 1 and/or 5 by progressing through phase 4+8 (see Electrical Details).
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- Phase 3 or phase 7 may be lagged.
- Set all detector units to presence mode.
- Signal system intersection ID # 736.

PHASING DIAGRAM

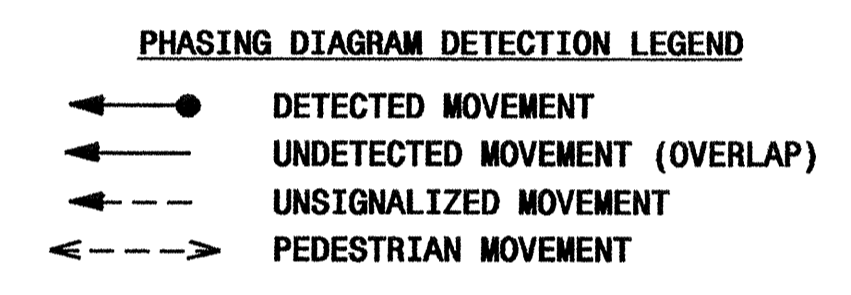
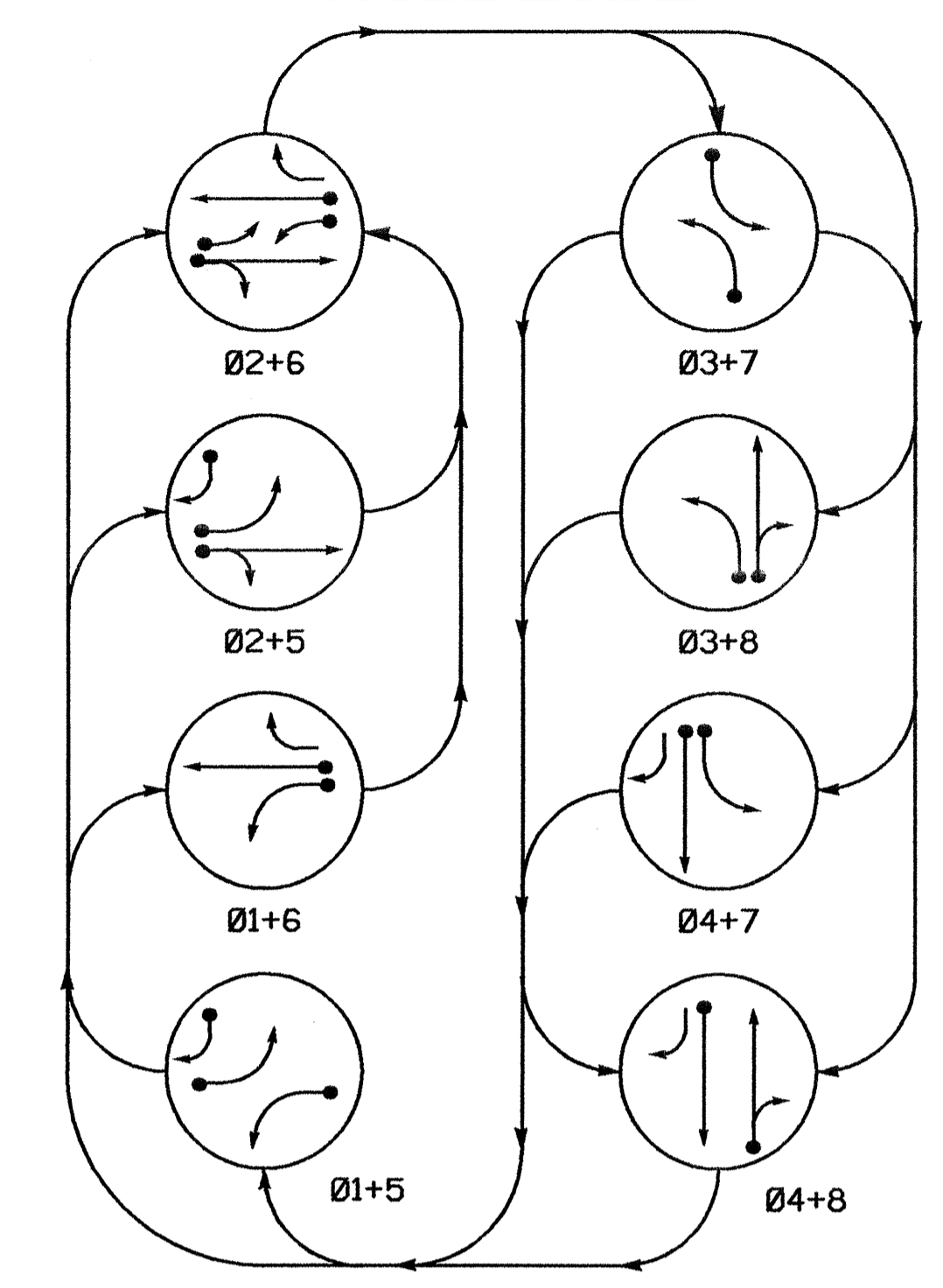
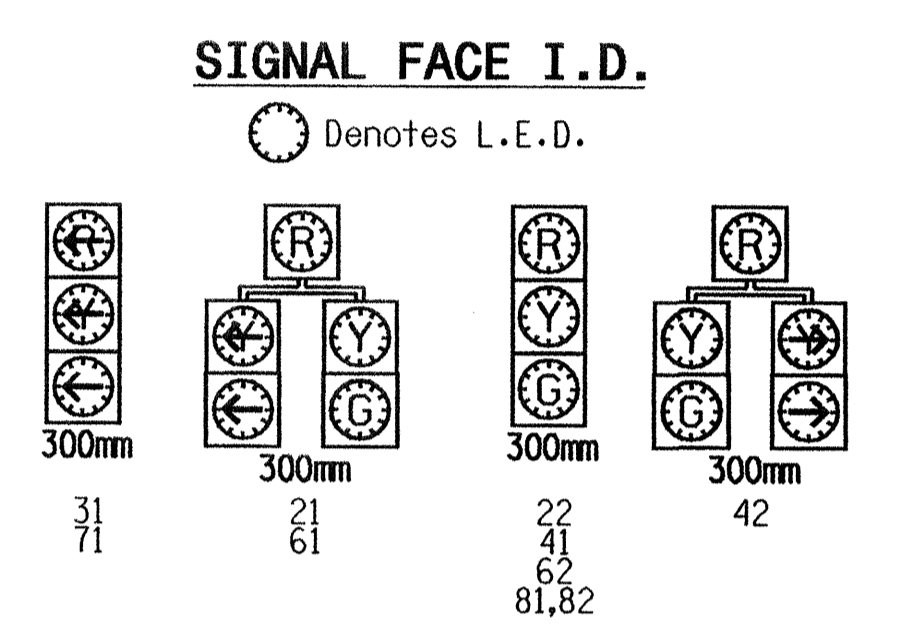


TABLE OF OPERATION

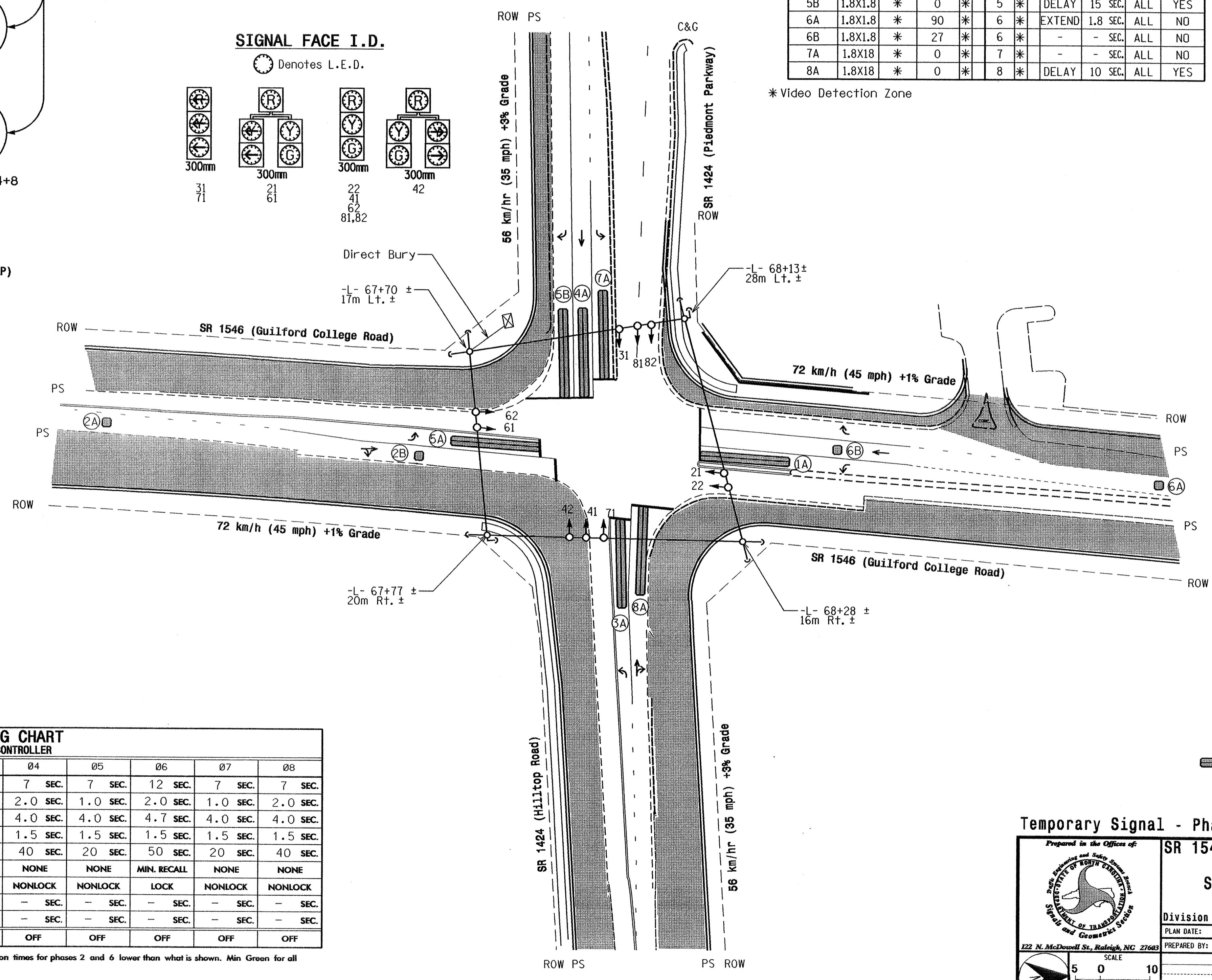
SIGNAL FACE	PHASE							
	Ø1+5	Ø1+6	Ø2+5	Ø2+6	Ø3+7	Ø3+8	Ø4+7	Ø4+8
21	R	R	G	G	R	R	R	Y
22	R	R	G	G	R	R	R	Y
31	R	R	R	R	R	R	R	R
41	R	R	R	R	R	R	G	R
42	R	R	R	R	R	R	G	R
61	R	G	R	G	R	R	R	Y
62	R	G	R	G	R	R	R	Y
71	R	R	R	R	R	R	R	R
81,82	R	R	R	R	R	G	R	G



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

LOOP NO.	SIZE (m)	TURNS	DIST. FROM STOPBAR (m)	NEW/EXISTING	NEMA PHASE	DETECTOR UNITS		PLACE CALL DURING PHASE	INHIBIT DELAY DURING GREEN	
						NEW/EXISTING	TIMING			
										FEATURE
1A	1.8X1.8	*	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	1.8X1.8	*	0	*	3	*	DELAY	3 SEC.	ALL	YES
4A	1.8X1.8	*	0	*	4	*	-	- SEC.	ALL	NO
5A	1.8X1.8	*	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	1.8X1.8	*	0	*	7	*	-	- SEC.	ALL	NO
8A	1.8X1.8	*	0	*	8	*	DELAY	10 SEC.	ALL	YES

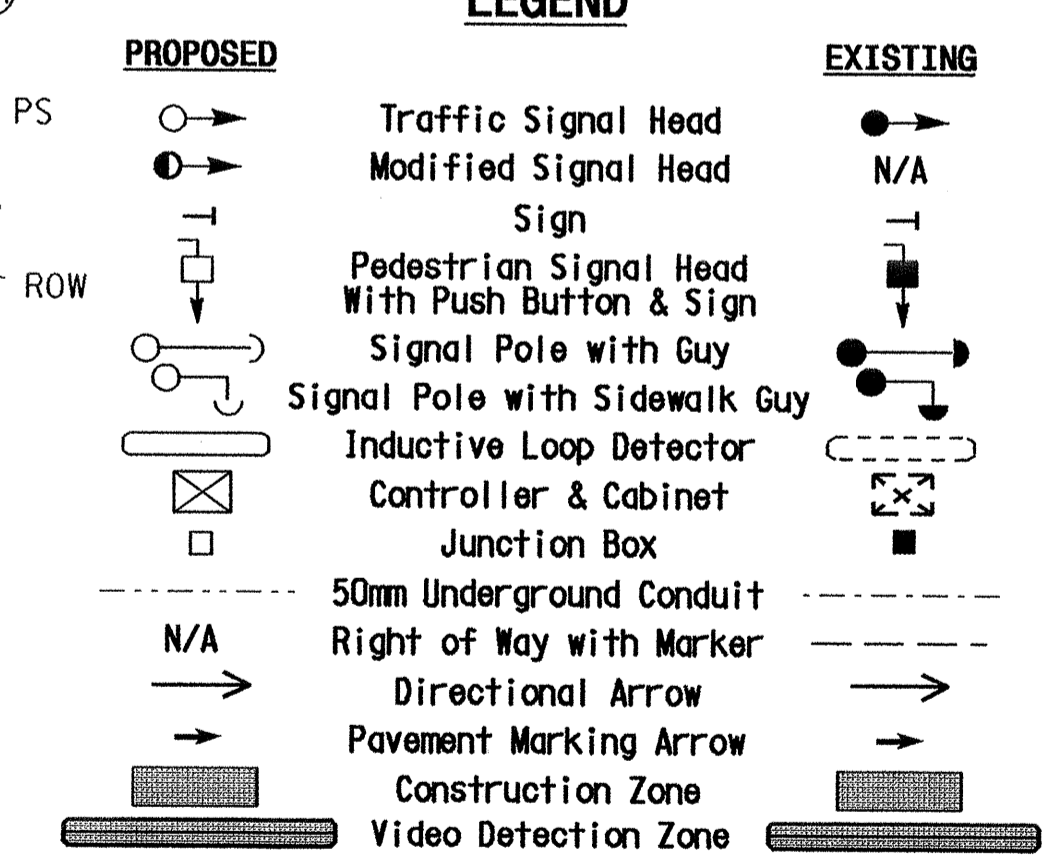
* Video Detection Zone



PLAN QUANTITIES

Pay Item	Meters
Signal Cable	360
Messenger Cable	180
Lead-in Cable	0

LEGEND



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	1.5 SEC.	1.5 SEC.	1.5 SEC.	1.5 SEC.	1.5 SEC.	1.5 SEC.	1.5 SEC.	1.5 SEC.
MAX. T*	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
VEH. 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 1

Prepared in the Office of:

 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:
 SCALE: 1:500
 REVISIONS: INIT. DATE
 SIGNATURE: *[Signature]* DATE: 8/17/04
 SEAL: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION SEAL 24393
 ENGINEER: THOMAS J. WILLIAMS
 SIG. INVENTORY NO. 07-1217 T1

IT-116-2004 10-33
 11-2004 08-18-04 UNTRACGROUPS\TIP Project\sig-2913B\07-1217 11xxx2004.dgn
 TSP:DM