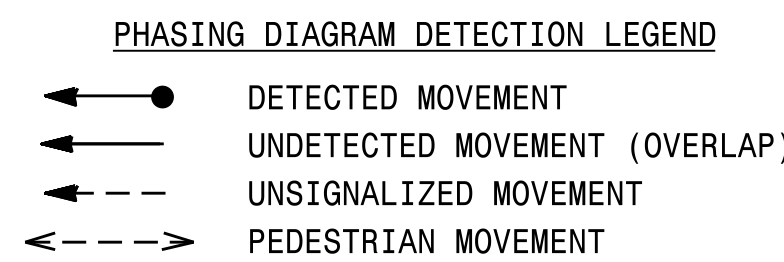
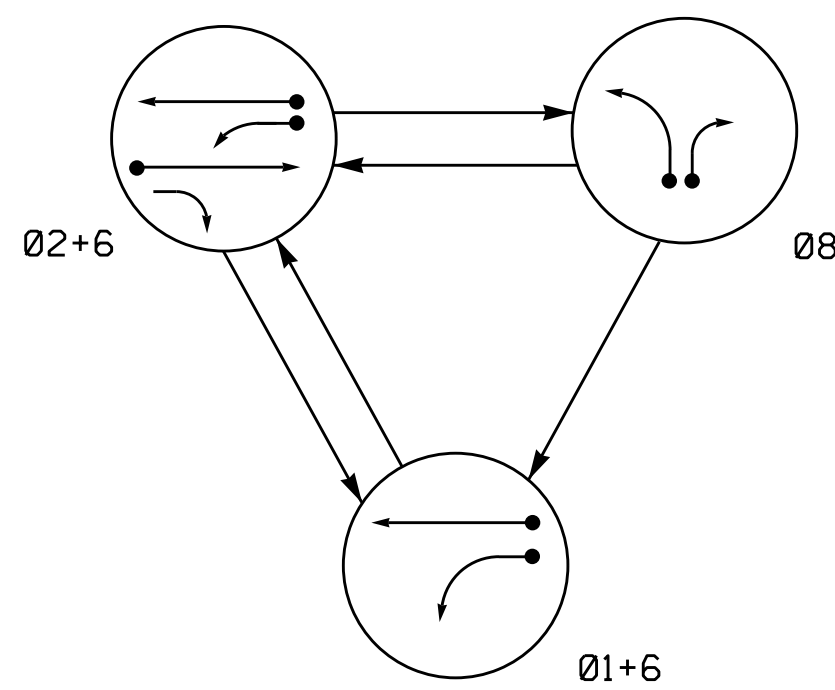


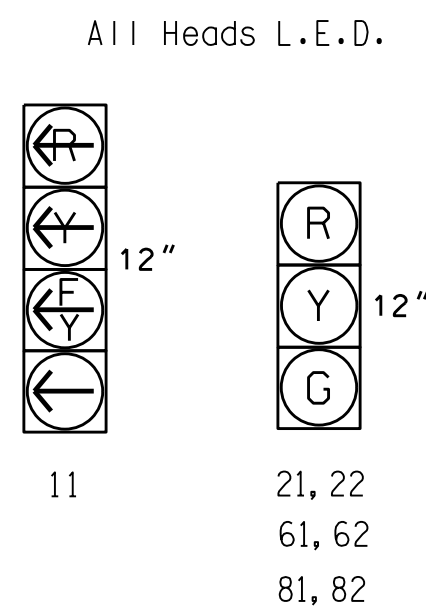
**PHASING DIAGRAM**



**TABLE OF OPERATION**

SIGNAL FACE	PHASE			
	01+6	02+6	08	FLASH
11	—	—	—	—
21, 22	R	G	R	Y
61, 62	G	G	R	Y
81, 82	R	R	G	R

**SIGNAL FACE I.D.**



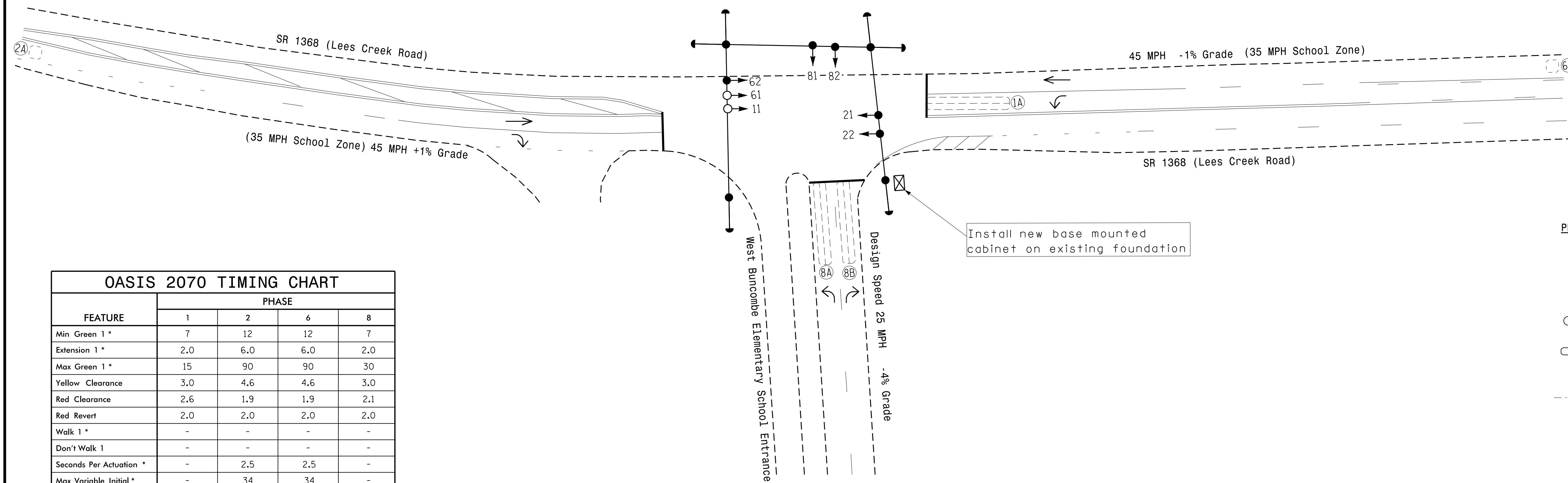
**OASIS 2070 LOOP & DETECTOR INSTALLATION CHART**

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY			STRETCH TIME
1A	6X40	0	2-4-2	—	1	Y	Y	—	15	—	Y
2A	6X6	300	4	—	2	Y	Y	—	—	—	Y
6A	6X6	300	4	—	6	Y	Y	—	—	—	Y
8A	6X40	0	2-4-2	—	8	Y	Y	—	—	—	Y
8B	6X40	0	2-4-2	—	8	Y	Y	—	15	—	Y

**3 Phase Fully Actuated Asheville Signal System**

**NOTES**

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 may be lagged.
4. Reposition existing signal head numbered 62.
5. Set all detector units to presence mode.
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.

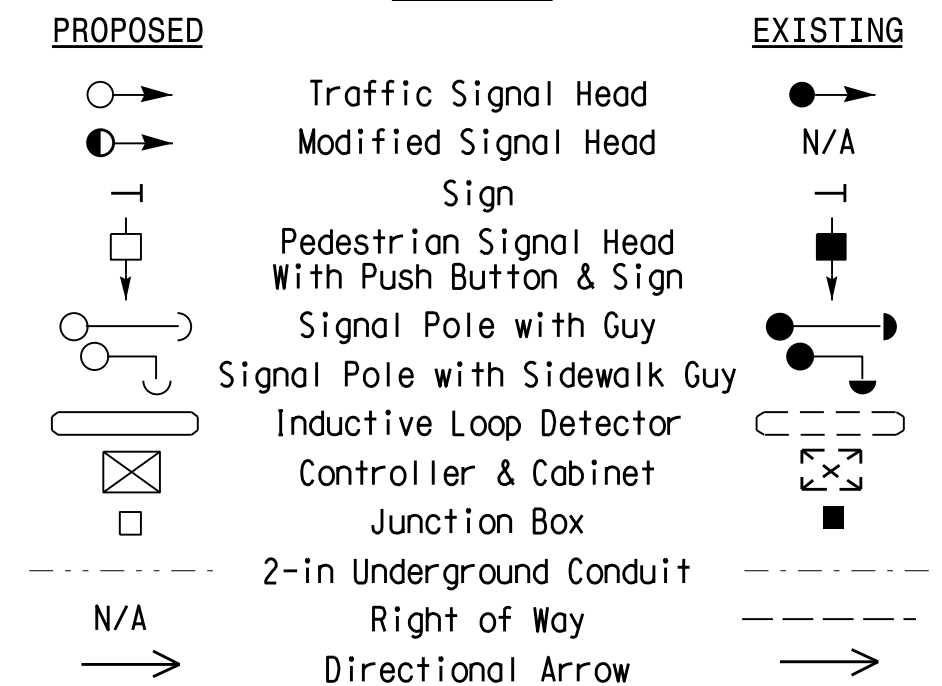


**OASIS 2070 TIMING CHART**

FEATURE	PHASE			
	1	2	6	8
Min Green 1 *	7	12	12	7
Extension 1 *	2.0	6.0	6.0	2.0
Max Green 1 *	15	90	90	30
Yellow Clearance	3.0	4.6	4.6	3.0
Red Clearance	2.6	1.9	1.9	2.1
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	—	—	—	—
Don't Walk 1	—	—	—	—
Seconds Per Actuation *	—	2.5	2.5	—
Max Variable Initial *	—	34	34	—
Time Before Reduction *	—	15	15	—
Time To Reduce *	—	30	30	—
Minimum Gap	—	3.0	3.0	—
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.

**LEGEND**



**Signal Upgrade**

Prepared In the Offices of:

SR 1368 (Lees Creek Road) at W. Buncombe Elementary School

Division 13 Buncombe County Asheville

PLAN DATE: July 2016 REVIEWED BY: T. J. Williams

PREPARED BY: C. Pierce REVIEWED BY:

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE: 0 30 1"=30'

Document signed by: T. J. Williams 9/8/2016

SIG. INVENTORY NO. 13-1226

08-050-2016-1-14-12 S:\M\TSSU\TSS:Signal\ASU\13-1368-4715B - Asheville\116\_Signal\_System\Signal\_Design\Signal\_System\Signal\_System.dgn 13-1226\13-1226\Signal\_Design\13-1226\13-1226.dgn