

**NOTES** 

"Standard Specifications for Roads

and Structures" dated January 2012.

otherwise directed by the Engineer.

obstruct sight distance of vehicles

countdown the flashing "Don't Walk"

1. Refer to "Roadway Standard Drawings

night flashing operation unless

NCDOT" dated January 2012 and

2. Do not program signal for late

3. Omit phase 3 during phase 4 on.

5. Reposition existing signal heads

7. Locate new cabinet so as not to

8. Omit "WALK" and flashing "DON'T

10. Pavement markings are existing.

WALK" with no pedestrian calls.

11. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing

values supersede these values.

<u>LEGEND</u>

Traffic Signal Head

Modified Signal Head

Sign

Pedestrian Signal Head With Push Button & Sign Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector

Controller & Cabinet

Junction Box 2-in Underground Conduit

Right of Way

Directional Arrow Metal Strain Pole

Curb Ramp Left Arrow "ONLY" Sign (R3-5L) No Left Turn Sign (R3-2)

<u>EXISTING</u>

**—** 

N/A

K×7

 $\longrightarrow$ 

6. Set all detector units to presence

4. Phase 5 may be lagged.

mode.

time only.

<u>PROPOSED</u>

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**0**->

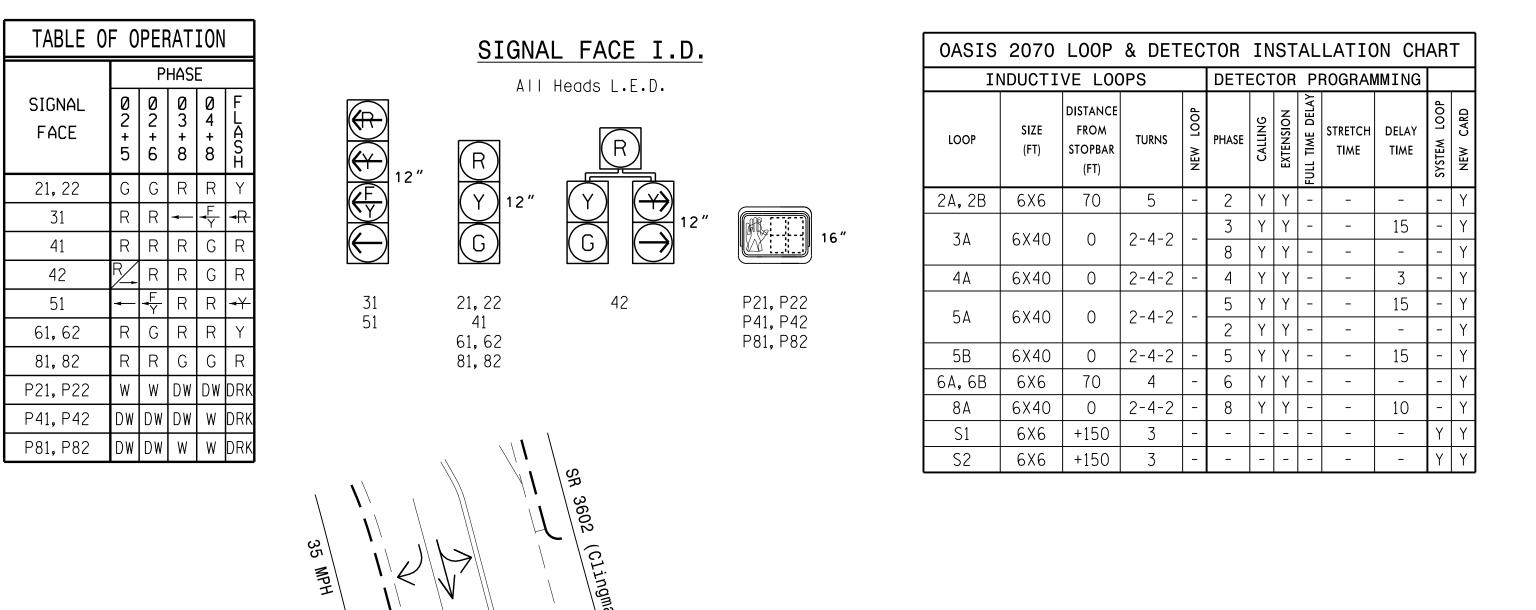
N/A

N/A

numbered 22 and 82.

turning right on red.

9. Program pedestrian heads to



Install new base-mounted

cabinet on existing foundation.

20 MPH 0% Grade SR 3548 (Patton Ave.) Patton Avenue 35 MPH -2% Grade P22

**(A8)** 

	OASIS	2070	TIMING	CHAR	Γ	
	PHASE					
FEATURE	2	3	4	5	6	8
Min Green 1 *	10	7	7	7	10	7
Extension 1 *	3.0	2.0	2.0	2.0	3.0	2.0
Max Green 1 *	45	15	25	15	45	25
Yellow Clearance	4.0	3.0	3.9	3.0	4.0	3.9
Red Clearance	2.6	2.6	1.8	2.4	2.6	1.8
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	7	_	7	-	-	7
Don't Walk 1	10	-	19	-	-	14
Walk Advance Time *	3.0	-	3.0	-	-	3.0
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	-	-	ON	-	-	ON
Simultaneous Gap	ON	ON	ON	ON	ON	ON

PHASING DIAGRAM

PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

<−−> PEDESTRIAN MOVEMENT

UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

03+8

04+8

Ø2+6

SR 3548 (Patton Ave.) SR 3602/3548 (Clingman Ave.)

Division 13 Buncombe County April 2016 REVIEWED BY: P.L. Alexander REVISIONS INIT. DATE

043914 SIG. INVENTORY NO.

DOCUMENT NOT CONSIDERED

FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

Signal Upgrade

750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: R.N. Zinser REVIEWED BY: 20 1"=20'

<sup>\*</sup> 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.