

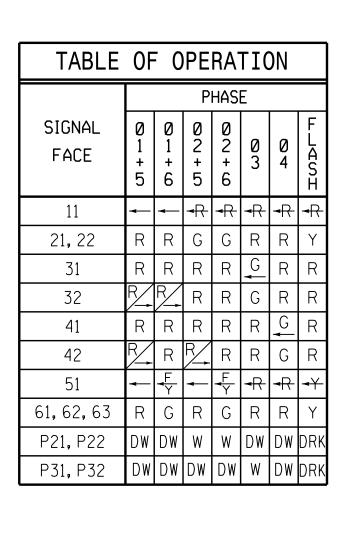
NOTES

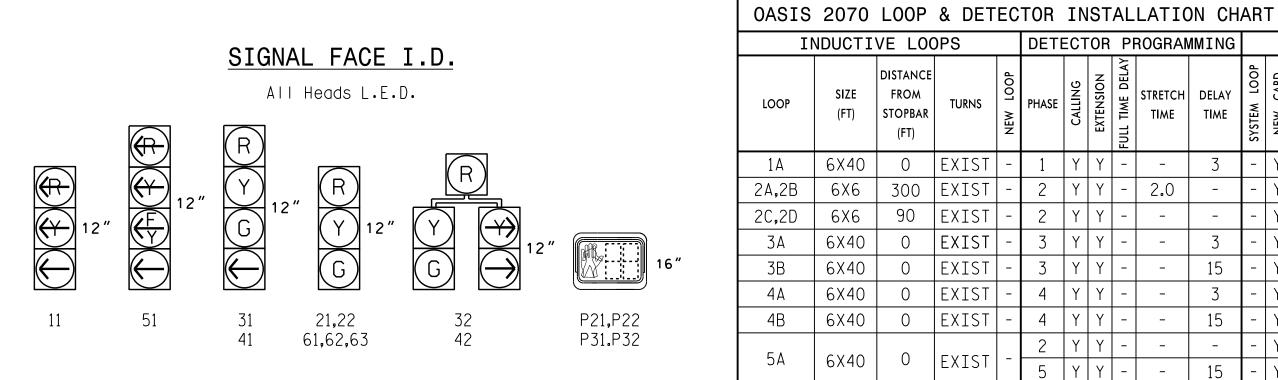
- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Phase 1 and/or phase 5 may be lagged. 4. The order of phase 3 and phase
- 4 may be reversed. 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. Omit "WALK" and flashing
- "DON'T WALK" with no pedestrian calls.
- 8. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 9. Pavement markings are existing.
- 10. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

ООР	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELA	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD	
1 A	6X40	0	EXIST	-	1	Υ	Υ	-	-	3	-	Υ	
4,2B	6X6	300	EXIST	-	2	Υ	Υ	-	2.0	_	-	Υ	
C,2D	6X6	90	EXIST	-	2	Υ	Υ	_	-	-	-	Υ	
3A	6X40	0	EXIST	-	3	Υ	Υ	_	-	3	-	Υ	
3B	6X40	0	EXIST	-	3	Υ	Υ	_	-	15	-	Υ	
4A	6X40	0	EXIST	-	4	Υ	Υ	-	-	3	-	Υ	
4B	6X40	0	EXIST	-	4	Υ	Υ	-	-	15	-	Υ	
5A	6X40	0	EXIST	ı	2	Υ	Υ	-	-	ı	-	Υ	
					5	Υ	Υ	_	-	15	-	Υ	
6B,6C	6X6	300	EXIST	-	6	Υ	Υ	_	2.0	_	-	Υ	
6E,6F	6X6	90	EXIST	-	6	Υ	Υ	-	-	_	-	Υ	

DETECTOR PROGRAMMING

INDUCTIVE LOOPS





PHASING DIAGRAM DETECTION LEGEND DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT <−−> PEDESTRIAN MOVEMENT

03

PHASING DIAGRAM

02+6

02+5

01+6

Install new cabinet on existing foundation. 45 MPH -2% Grade US 70 (Tunnel Road) (5A) (___ ♪ === $_{=}^{-}$ US 70 (Tunnel Road) 45 MPH +2% Grade

SR 2032 (New Haw Creek Road)

35 MPH +5% Grade

	OASIS	2070	TIMING	G CHART	-				
	PHASE								
FEATURE	1	2	3	4	5	6			
Min Green 1 *	7	12	7	7	7	12			
Extension 1 *	2.0	2.0	2.0	2.0	2.0	2.0			
Max Green 1 *	15	60	20	30	30	60			
Yellow Clearance	3.0	4.7	3.0	3.6	3.0	4.7			
Red Clearance	2.4	1.8	3.2	2 . 5	2.4	1.8			
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0			
Walk 1 *	-	7	7	-	-	-			
Don't Walk 1	-	10	21	-	-	-			
Seconds Per Actuation *	-	-	-	-	-	-			
Max Variable Initial *	-	-	-	=	-	-			
Time Before Reduction *	-	-	-	-	-	-			
Time To Reduce *	-	-	-	-	-	-			
Minimum Gap	-	-	-	-	-	-			
Recall Mode	-	MIN RECALL	-	-	-	MIN RECAL			
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW			
Dual Entry	-	-	-	-	-	-			
Simultaneous Gap	ON	ON	ON	ON	ON	ON			

is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND <u>EXISTING</u> **PROPOSED** Traffic Signal Head Modified Signal Head 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 "YIELD" Sign (R1-2) "STOP" Sign (R1-1)

Signal Upgrade US 70 (Tunnel Road) SR 2032 (New Haw Creek Road) Crockett Avenue ivision 13 Buncombe County 750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: R.N. Zinser REVIEWED BY: REVISIONS

SEAL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL

SIGNATURES COMPLETED

PLAN DATE: November 2015 REVIEWED BY: Z.M. Little INIT. DATE SIG. INVENTORY NO.