PHASING DIAGRAM DETECTION LEGEND

✓ DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP)

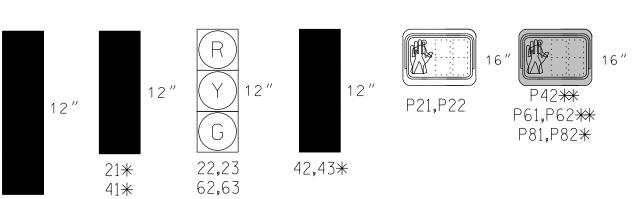
UNSIGNALIZED MOVEMENT $<\!\!--\!\!>$ PEDESTRIAN MOVEMENT

TABLE OF OPERATION

		PH	12F		-	LU	Oi_
SIGNAL FACE	Ø 2 + 6	Ø 8	トレーの			INDUCT	IVE
22,23	G	R	H	LOOP NO		SIZE (ft)	TUF
62,63	G	R	Υ	2A		6x6	>
81,82	R	G	R	6A		6x6	>
P21 , P22	W	D:W	DRK	8.8	K	6×40	>
		1		8B	_	6×40	>

SIGNAL FACE I.D.

All Heads L.E.D. * See Note #9
** See Note #10



81,82

61***

	MING CH WARE W/2070		
PHASE	Ø2	Ø6	Ø8
MINIMUM INITIAL *	1 () SEC .	1 () SEC .	7 SEC .
VEHICLE EXTENSION *	3.0 SEC .	3.0 SEC .	2.0 SEC .
YELLOW CHANGE INT.	4 . 1 SEC.	3.8 SEC .	3.0 SEC .
RED CLEARANCE	1.4 SEC .	1.4 SEC.	2.3 SEC .
MAXIMUM LIMIT *	50 SEC .	50 SEC .	35 SEC .
RECALL POSITION	VEH. RECALL	VEH. RECALL	NONE
VEHICLE CALL MEMORY	YELLOW LOCK	YELLOW LOCK	NONE
DOUBLE ENTRY	OFF	OFF	OFF
WALK *	4 SEC .	- SEC.	- SEC.
FLASHING DON'T WALK	1 4 SEC .	- SEC.	- SEC.
TYPE 3 LIMIT	- SEC.	- SEC.	- SEC.
ALTERNATE EXTENSION	- SEC.	– SEC.	- SEC.
ADD PER VEHICLE *	- SEC.	- SEC.	- SEC.
MAXIMUM INITIAL *	- SEC.	– SEC.	– SEC.
MAXIMUM GAP*	3 . 0 SEC .	3 . 0 SEC .	2 . 0 SEC .
REDUCE 0.1 SEC EVERY *	- SEC.	- SEC.	- SEC.

other phases should not be lower than 4 seconds

2033 SOFTWARE w/ 2070 CONTROLLER LOOP & DETECTOR UNIT INSTALLATION CHART

		DETECTOR PROGRAMMING																			
INDUCTIVE LOOPS											ATTRIBUTES								STA	TATUS	
						TIMING			1	2	3	4	5	6	7	8	LOOPS		ر ن		
LOOP NO.	SIZE (ft)	TURNS	DIST. FROM STOPBAR (f+)	NEW	EXISTING	NEMA PHASE	DELAY	CAR (STRE		FULL TIME DELAY	PEDESTRIAN CALL	RESERVED	COUNT	EXTENSION	TYPE 3	CALLING	ALTERNATE	SYSTEM	NEW	EXISTING	
2A	6×6	*	70	-	*	2	- SEC.	_	SEC.	_	_	-	_	Χ	_	Χ	-	_	_	*	
6A	6×6	*	70	*	-	6	- SEC.	_	SEC.	_	-	-	-	Χ	-	Χ	-	-	-	*	
8.8	6×40	*	0	-	*	8	3 SEC.	_	SEC.	_	-	-	_	Χ	-	Χ	-	-	-	*	
8B	6×40	*	0	-	*	8	10 SEC.	_	SEC.	_	-	-	_	Χ	-	Χ	_	-	-	*	
PEDES	TRIAN	DETECT	ION	•	•	•		•											•	•	
P21 , P22	N/A	N/A	N/A	-	Х	2	- SEC.	_	SEC.	_	Χ	-	-	-	-	_	_	-	_	X	

* Video Detection Zone

NOTES

- 1. Refer to "Road Standard Drawings NCDOT" dated January 2012, "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. Set all detector units to presence mode.
- 4. Program all timing information into phase banks 1,2, and 3 unless otherwise noted.
- 5. Set phase bank 3 maximum limit to 250 seconds for
- 6. Omit "WALK" and flashing "DON'T WALK" with no pedestrian

2 Phase

Fully Actuated

(Durham Signal System)

PROJECT REFERENCE NO.

U-3308

|Sig. 45.0|

- 7. Program pedestrian heads to countdown the flashing "Don't Walk" time.
- 8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 9. Disconnect and bag signal heads #21, #31, #41, #42 and #43 and pedestrian signal heads #P81 and #P82 during this phase of construction.
- 10. Signal head #61 and pedestrian signal heads #P42, #P61 and #P62 shall remain disconnected and bagged during this phase of construction.
- 11. Contractor shall adjust video detection zones as required.

LEGEND

PROPOSED	<u>)</u>	<u>EXISTING</u>
\bigcirc	Traffic Signal Head	
$\bigcirc\!$	Modified Signal Head	N/A
\dashv	Sign	\dashv
	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 -	
N/A	Right of Way -	
\longrightarrow	Directional Arrow	\longrightarrow
$\langle A \rangle$	"No Left Turn" (R3-2)	\triangle
$\langle \mathbb{B} \rangle$	"No Right Turn" (R3-1)	(B) (C) (D)
$\langle \overline{\mathbb{C}} \rangle$	Left Arrow "ONLY" Sign (R3-5L)	\bigcirc
	Right Arrow "ONLY" Sign (R3-5R)	
	Work Area	N/A
	Drums	N/A
——E—	— Construction Easement	N/A
— PDE —	— Permanent Drainage Easement	N/A
	▼ Barricades	N/A
	— Direct Bury -	
	Video Detector	
	Video Detection Area	

Signal Upgrade - Temporary Design 6 (TMP Phase 2, Steps 7-12)



NC 55 (North Alston Avenue)

US 70 - NC 98 (Holloway Street)
Division 5 Durham County Durham PLAN DATE: September 2014 REVIEWED BY: J Hochanadel

INIT. DATE MyPAN SIG. INVENTORY NO. 05-1027T6

1025 Wade Avenue Raleigh, NC 27605 Tel:919-789-9977 Fax:919-789-9591

□(6A) <

750 N.Greenfield Pkwy, Garner, NC 27529 PREPARED BY: R Drayton REVIEWED BY: