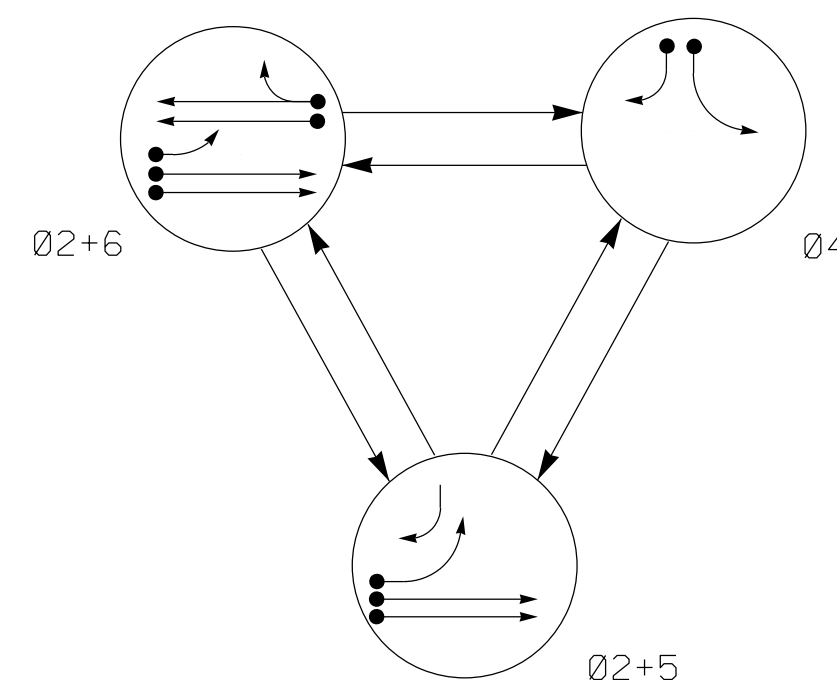


**PHASING DIAGRAM**



SIGNAL FACE	PHASE			
	02+5	02+6	04+8	04+8
2l, 22	G	G	R	Y
4l	R	R	G	R
42	R	R	G	R
5l	-	F	R	Y
6l, 62	R	G	R	Y

**PHASING DIAGRAM DETECTION LEGEND**

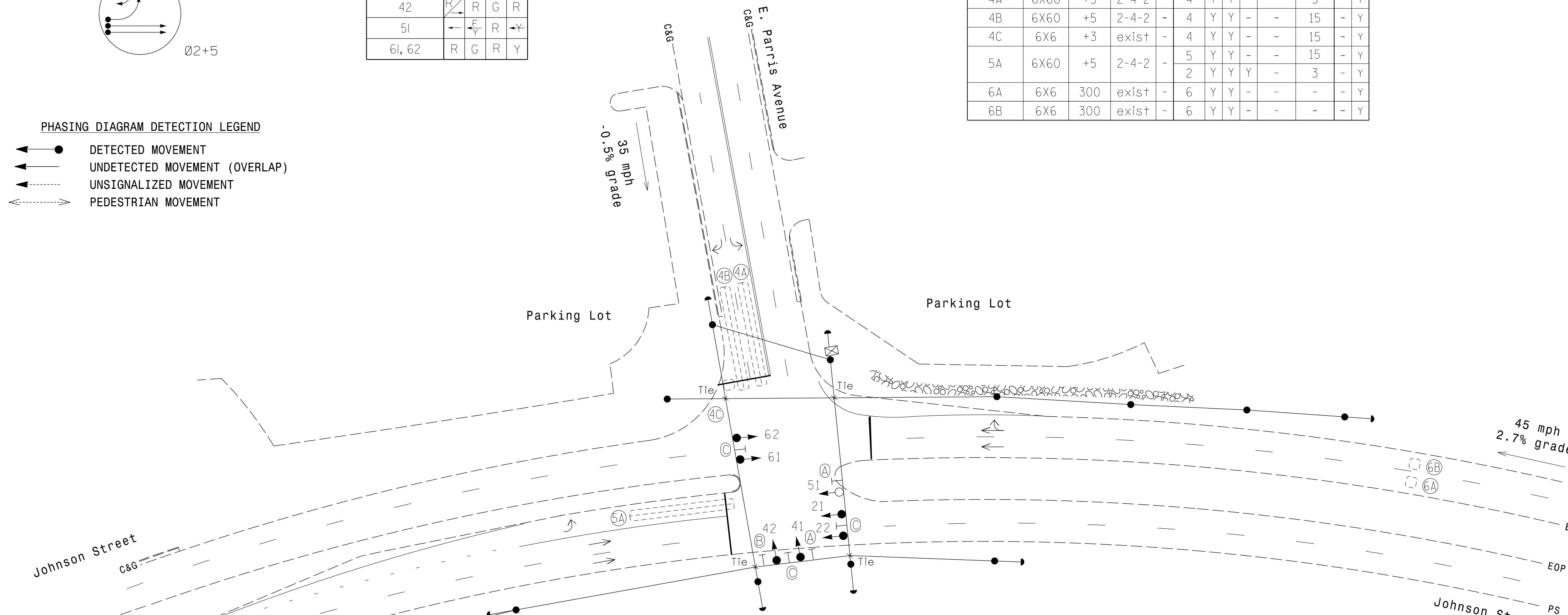
- ← DETECTED MOVEMENT
- ← UNDETECTED MOVEMENT (OVERLAP)
- ⋯ UNSIGNALIZED MOVEMENT
- ⇄ PEDESTRIAN MOVEMENT

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
INDUCTIVE LOOPS				DETECTOR PROGRAMMING								
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	PULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6X6	355	exist	-	2	Y	Y	-	-	-	-	Y
2B	6X6	355	exist	-	2	Y	Y	-	-	-	-	Y
4A	6X60	+5	2-4-2	-	4	Y	Y	-	-	3	-	Y
4B	6X60	+5	2-4-2	-	4	Y	Y	-	-	15	-	Y
4C	6X6	+3	exist	-	4	Y	Y	-	-	15	-	Y
5A	6X60	+5	2-4-2	-	5	Y	Y	-	-	15	-	Y
6A	6X6	300	exist	-	6	Y	Y	-	-	-	-	Y
6B	6X6	300	exist	-	6	Y	Y	-	-	-	-	Y

**3 Phase Fully Actuated (High Point Signal System)**

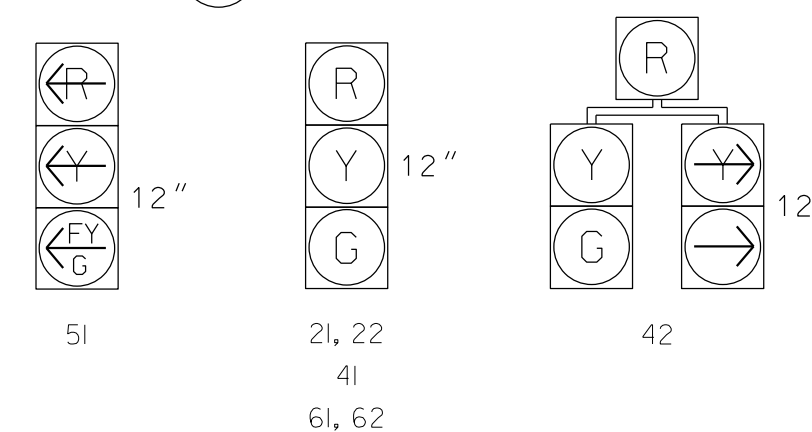
**NOTES**

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- Install new signal cable as necessary for new signal heads.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Remove existing Left Arrow "Only" Sign (R3-5L) for northbound approach.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



**SIGNAL FACE I.D.**

All Heads L.E.D.  
 (KEY) = BIMODAL SECTION



FEATURE	PHASE			
	2	4	5	6
Min Green 1 *	14	7	7	14
Extension 1 *	6.0	1.0	1.0	6.0
Max Green 1 *	60	30	20	60
Yellow Clearance	5.1	3.0	3.0	5.1
Red Clearance	1.0	3.1	2.3	1.0
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	1.7	-	-	1.7
Max Variable Initial *	39	-	-	39
Time Before Reduction *	15	-	-	15
Time To Reduce *	35	-	-	35
Minimum Gap	3.8	-	-	3.8
Recall Mode **	SOFT RECALL	-	-	SOFT 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.  
 \*\* May be changed to Min Recall by Time of Day at discretion of city engineer.

PROPOSED	EXISTING
○ → Traffic Signal Head	● → N/A
○ → Modified Signal Head	○ → N/A
⊥ Sign	⊥ Sign
⊥ Pedestrian Signal Head With Push Button & Sign	⊥ Pedestrian Signal Head
⊥ Signal Pole with Guy	⊥ Signal Pole with Guy
⊥ Signal Pole with Sidewalk Guy	⊥ Signal Pole with Sidewalk Guy
⊠ Inductive Loop Detector	⊠ Inductive Loop Detector
⊠ Controller & Cabinet	⊠ Controller & Cabinet
⊠ Junction Box	⊠ Junction Box
⊠ 2-in Underground Conduit	⊠ 2-in Underground Conduit
N/A Right of Way	⊠ Right of Way
→ Directional Arrow	→ Directional Arrow
(A) Left Arrow "ONLY" Sign (R3-5L)	(A) Left Arrow "ONLY" Sign (R3-5L)
(B) Right Arrow "ONLY" Sign (R3-5R)	(B) Right Arrow "ONLY" Sign (R3-5R)
(C) Street Name Sign	(C) Street Name Sign

**Signal Upgrade**

 NORTH CAROLINA INTERNATIONAL CITY Department of Transportation 21 S. Hamilton Street High Point, NC 27601	Prepared for the Offices of: <b>Johnson Street at E. Parris Avenue</b> Division 07 Guilford County High Point		SEAL  MELISSA B. TOTH ENGINEER 025892
	PLAN DATE: April 2014 PREPARED BY: Lawson/Jones	REVIEWED BY: LM Moon REVIEWED BY: MB Toth	

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 310  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEES #F-0326

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