

PHASING DIAGRAM

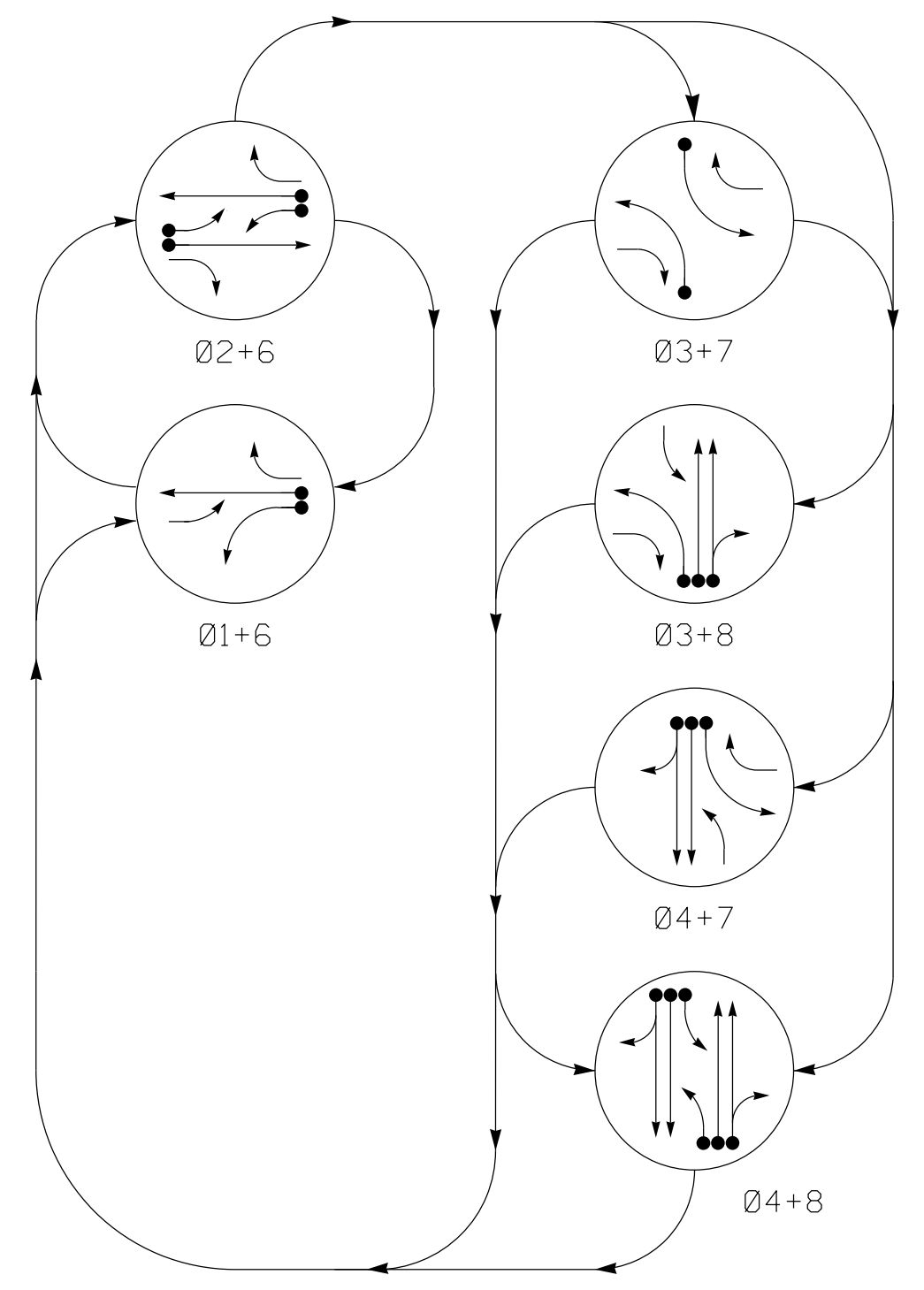
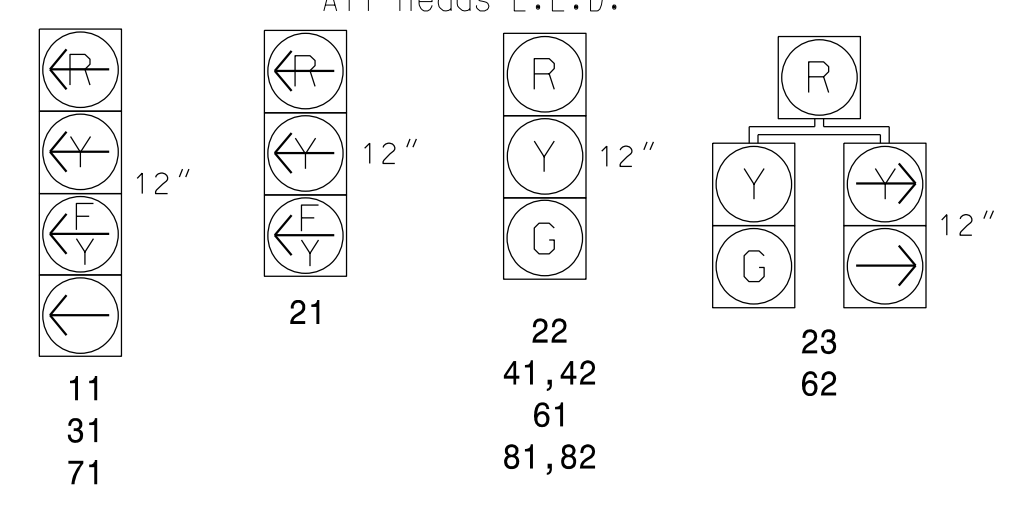


TABLE OF OPERATION

SIGNAL FACE	PHASE							
	Ø1+6	Ø2+6	Ø3+7	Ø3+8	Ø4+7	Ø4+8	Ø1+6	Ø3+8
11	←	←	←	←	←	←	←	←
21	←	←	←	←	←	←	←	←
22	R	G	R	R	R	R	Y	Y
23	R	G	R	R	R	R	Y	Y
31	←	←	←	←	←	←	←	←
41, 42	R	R	R	R	G	G	R	R
61	G	G	R	R	R	R	Y	Y
62	G	G	R	R	R	R	Y	Y
71	←	←	←	←	←	←	←	←
81, 82	R	R	R	G	R	G	R	R

SIGNAL FACE I.D.
All Heads L.E.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			DELAY TIME
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	15	-	-
2A	6X6	300	4	Y	2	Y	Y	-	-	3	-	-
2B	6X40	0	2-4-2	Y	2	Y	Y	-	-	3	-	-
3A	6X40	0	2-4-2	Y	3	Y	Y	-	-	15	-	-
4A	6X40	0	2-4-2	Y	4	Y	Y	-	-	3	-	-
4B	6X40	0	2-4-2	Y	4	Y	Y	-	-	3	-	-
6A	6X6	300	6	Y	6	Y	Y	-	-	15	-	-
7A	6X40	0	2-4-2	Y	7	Y	Y	-	-	3	-	-
8A	6X40	0	2-4-2	Y	8	Y	Y	-	-	3	-	-
8B	6X40	0	2-4-2	Y	8	Y	Y	-	-	3	-	-

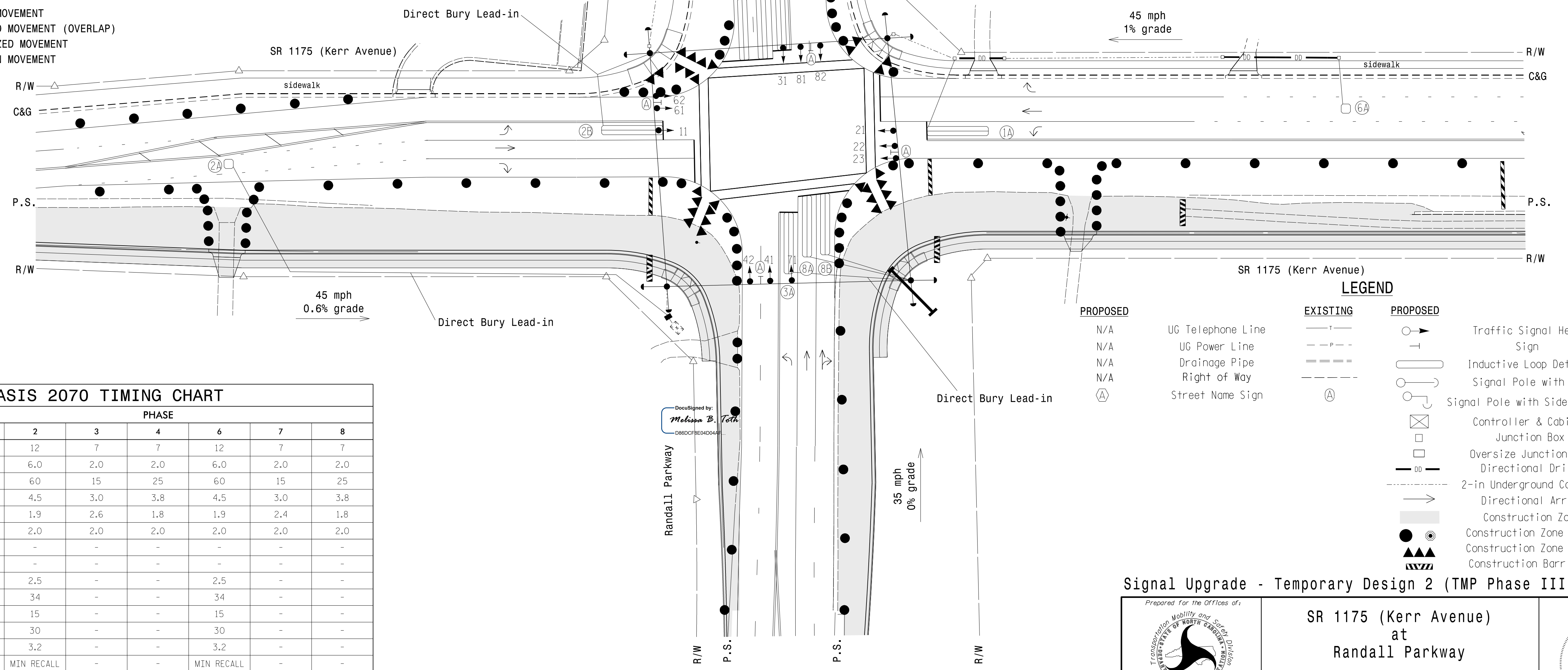
6 Phase Fully Actuated (Wilmington Signal System)

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 3 and/or phase 7 may be lagged.
4. Phase 1 may be lagged.
5. Set all detector units to presence mode.
6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
7. Reposition existing signal heads numbered 11, 21, 22, 23, 61 and 62.
8. Reposition existing street name signs as shown on plan for both Kerr approaches.
9. Signal system data: Controller Asset #0605.

PHASING DIAGRAM DETECTION LEGEND

- ← ● DETECTED MOVEMENT
- ← ○ UNDETECTED MOVEMENT (OVERLAP)
- ← ○ UNSIGNALIZED MOVEMENT
- ← ○ PEDESTRIAN MOVEMENT



OASIS 2070 TIMING CHART

FEATURE	PHASE							
	1	2	3	4	6	7	8	
Min Green 1 *	7	12	7	7	12	7	7	
Extension 1 *	2.0	6.0	2.0	2.0	6.0	2.0	2.0	
Max Green 1 *	35	60	15	25	60	15	25	
Yellow Clearance	3.0	4.5	3.0	3.8	4.5	3.0	3.8	
Red Clearance	3.3	1.9	2.6	1.8	1.9	2.4	1.8	
Red Revert	2.0	2.0	2.0	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	-	3.2	-	-	3.2	-	-	
Recall Mode	-	MIN RECALL	-	-	MIN RECALL	-	-	
Vehicle Call Memory	-	YELLOW	-	-	YELLOW	-	-	
Dual Entry	-	-	-	ON	-	-	ON	
Simultaneous Gap	ON	ON	ON	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

- | | | | | |
|-----------------|-------------------|-----------------|-------------------------------|-----------------|
| PROPOSED | UG Telephone Line | EXISTING | Traffic Signal Head | EXISTING |
| N/A | UG Power Line | --- | Sign | --- |
| N/A | Drainage Pipe | --- | Inductive Loop Detector | --- |
| N/A | Right of Way | --- | Signal Pole with Guy | --- |
| (A) | Street Name Sign | (A) | Signal Pole with Sidewalk Guy | --- |
| | | | Controller & Cabinet | --- |
| | | | Junction Box | --- |
| | | | Oversize Junction Box | --- |
| | | | Directional Drill | N/A |
| | | | 2-in Underground Conduit | --- |
| | | | Directional Arrow | --- |
| | | | Construction Zone | --- |
| | | | Construction Zone Drums | --- |
| | | | Construction Zone Cones | --- |
| | | | Construction Barricade | --- |

Signal Upgrade - Temporary Design 2 (TMP Phase III)

750 N. Greenfield Pkwy, Garner, NC 27529

SR 1175 (Kerr Avenue) at Randall Parkway

Division 03 New Hanover County Wilmington

PLAN DATE: June 2014 REVIEWED BY: LM Moon

PREPARED BY: AM Thigpen REVIEWED BY: MB Toth

SEAL

12/19/2014

SIG. INVENTORY NO. 03-060512

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 310 RALEIGH, NORTH CAROLINA 27609 (919) 876-8888 NGBEES #F-0326

Scale: 1"=40'