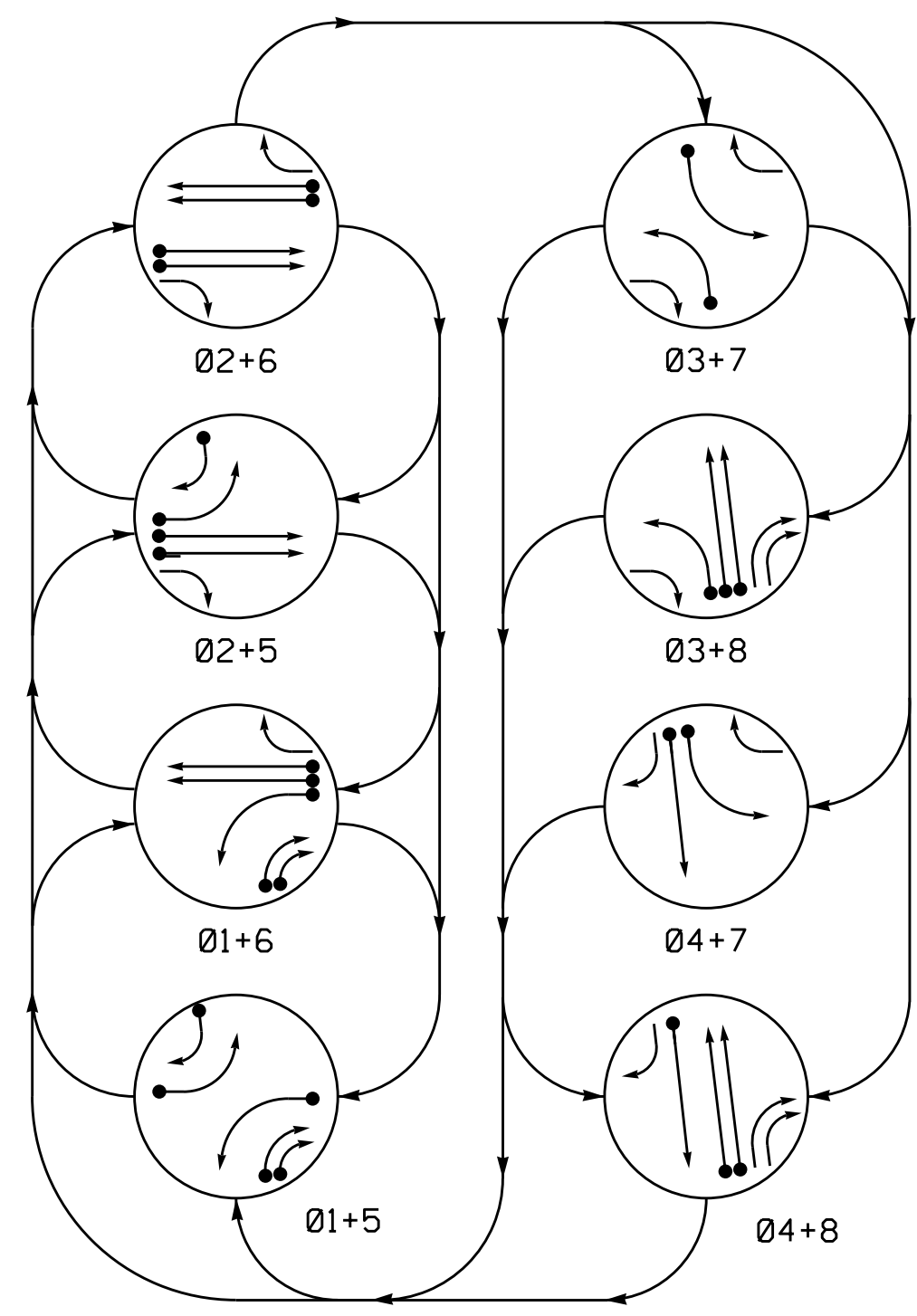


8 Phase Fully Actuated Fayetteville Signal System

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 1 and/or phase 5 may be lagged.
4. Phase 3 and/or phase 7 may be lagged.
5. Reposition existing signal heads numbered 21,22,23 and 51.
6. Set all detector units to presence mode.
7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

PHASING DIAGRAM



SIGNAL FACE I.D.

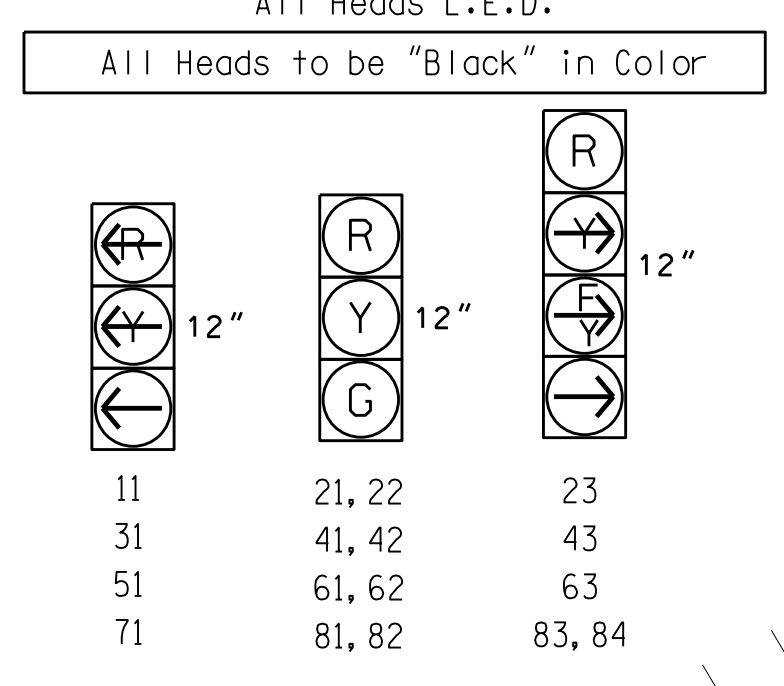


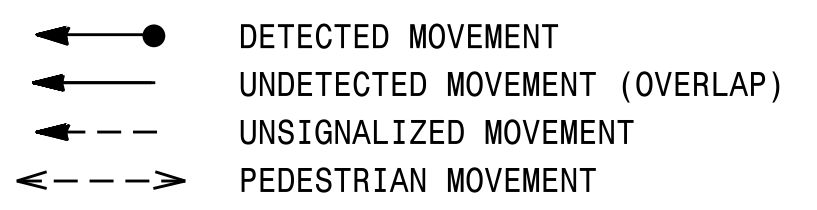
TABLE OF OPERATION

SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8
11	---	---	---	---	---	---	---	---
21,22	R	R	G	G	R	R	R	Y
23	R	R	F	F	---	---	R	R
31	---	---	---	---	---	---	---	---
41,42	R	R	R	R	R	R	G	G
43	---	---	---	---	---	---	F	F
51	---	---	---	---	---	---	---	---
61,62	R	G	R	G	R	R	R	Y
63	R	F	R	F	---	---	R	Y
71	---	---	---	---	---	---	---	---
81,82	R	R	R	R	R	G	R	G
83,84	---	---	---	---	---	F	R	F

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING						
					PHASE	CALLING	EXTENSION	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	-	1	Y	Y	-	-	-	-
1B	6X40	0	2-4-2	Y	1	Y	Y	-	-	15	-
1C	6X40	0	2-4-2	Y	1	Y	Y	-	-	15	-
2A,2B	6X6	70	5	-	2	Y	Y	-	-	-	-
3A	6X40	0	2-4-2	Y	3	Y	Y	-	-	-	-
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	-	-
5A	6X40	0	2-4-2	-	5	Y	Y	-	-	-	-
5B	6X40	0	2-4-2	-	5	Y	Y	-	-	15	-
6A,6B	6X6	70	3	-	6	Y	Y	-	-	-	-
7A	6X40	0	2-4-2	-	7	Y	Y	-	-	-	-
8A	6X40	0	2-4-2	Y	8	Y	Y	-	-	-	-
8B	6X40	0	2-4-2	Y	8	Y	Y	-	-	-	-

PHASING DIAGRAM DETECTION LEGEND

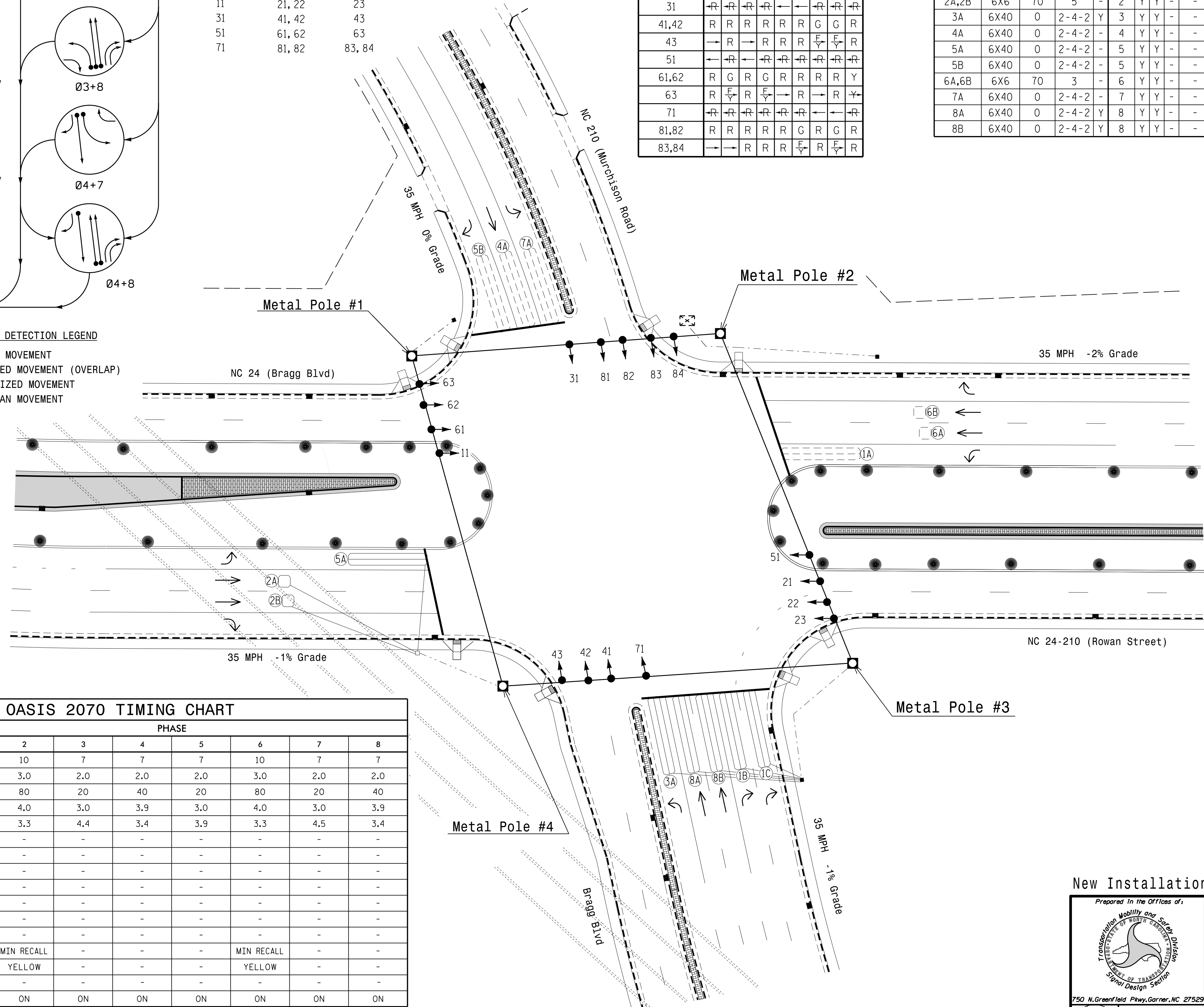
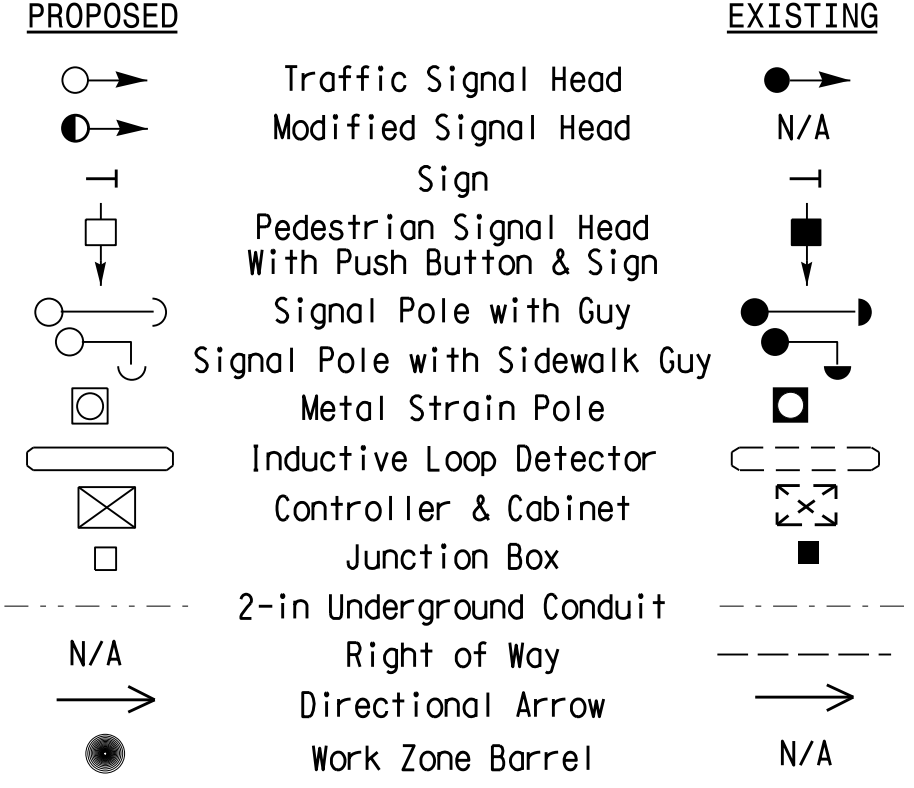


OASIS 2070 TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1*	7	10	7	7	7	10	7	7
Extension 1*	2.0	3.0	2.0	2.0	2.0	3.0	2.0	2.0
Max Green 1*	20	80	20	40	20	80	20	40
Yellow Clearance	3.0	4.0	3.0	3.9	3.0	4.0	3.0	3.9
Red Clearance	3.7	3.3	4.4	3.4	3.9	3.3	4.5	3.4
Walk 1*	-	-	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-
Simultaneous Gap	ON	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



New Installation - Temp 4 Phase 4

750 N. Greenfield Pkwy, Garner, NC 27529

NC 24-210 (Rowan Street) /
NC 24 (Bragg Boulevard) At
NC 210 (Murchison Road) /
Bragg Boulevard

Division 6 Cumberland County Fayetteville

PLAN DATE: June 2015 REVIEWED BY: JPG, PE

PREPARED BY: emm/jpg REVIEWED BY:

SEAL

SEAL 029904

JASON P. GALLOWAY

ENGINEER

8/28/15

SCALE 0 30

1"=30'

10-FEB-2016 09:32
 R:\Projects\16061\Signal\16061_Sig.dwg
 16061_Sig.dwg
 16061_Sig.dwg