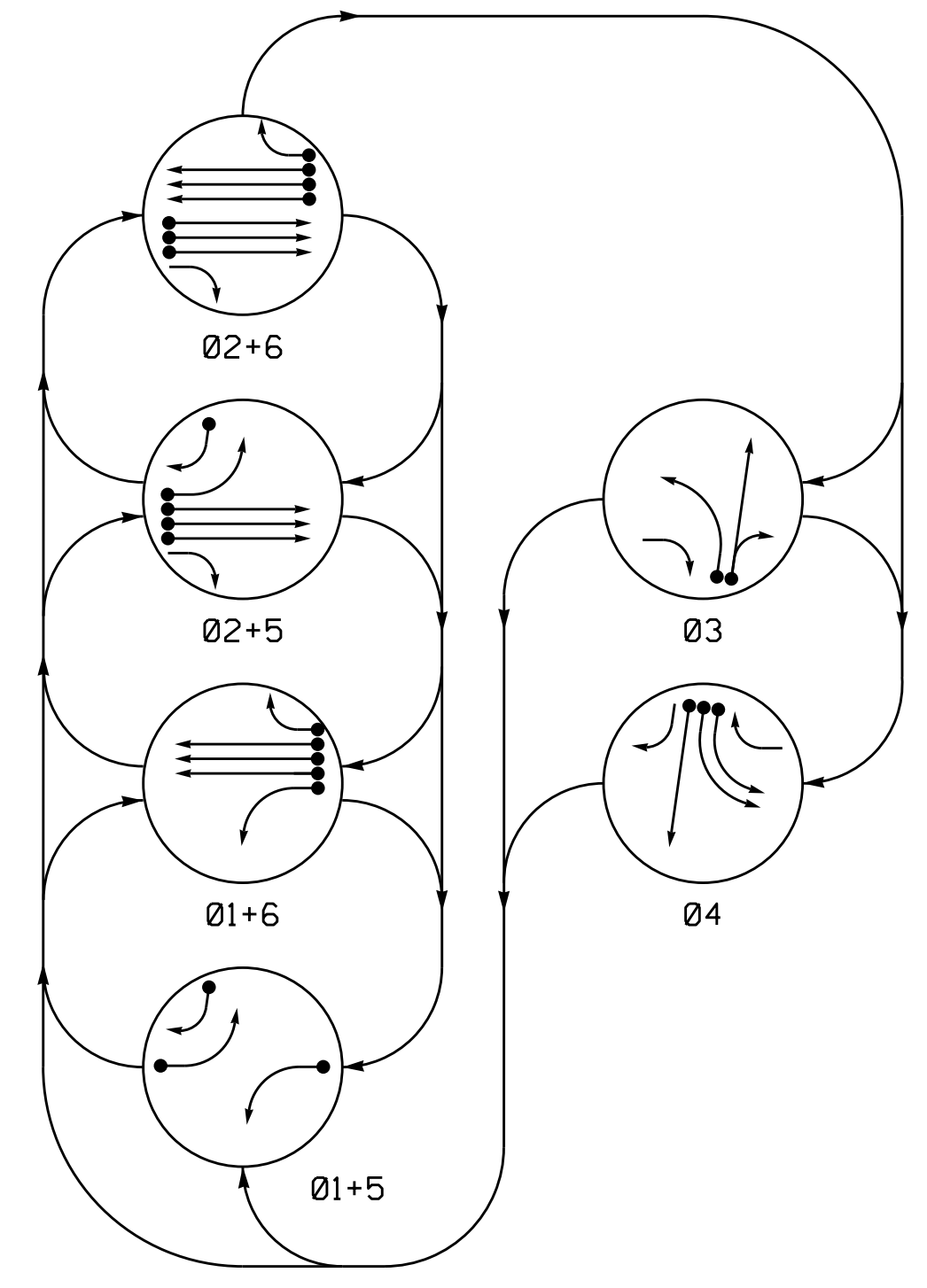


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

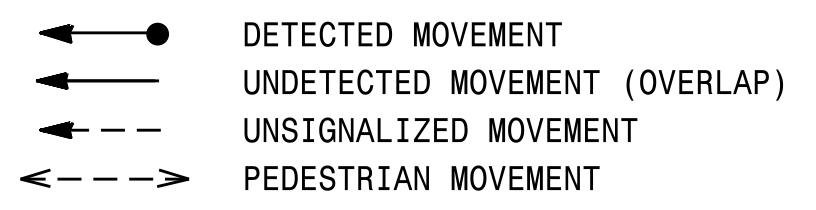
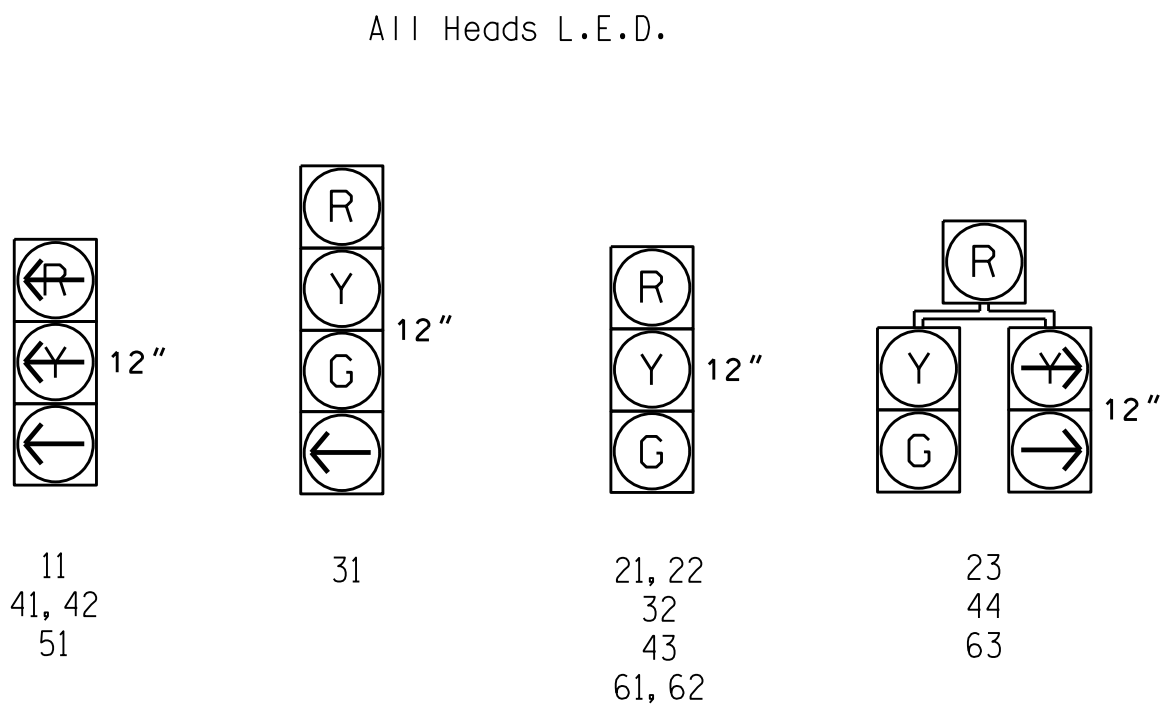


TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	03	04
11	-	-	R	R	R	R
21, 22	R	R	G	G	R	Y
23	R	R	G	G	R	Y
31	R	R	R	R	G	R
32	R	R	R	R	G	R
41, 42	R	R	R	R	G	R
43	R	R	R	R	G	R
44	R	R	R	R	G	R
51	-	R	-	R	R	R
61, 62	R	G	R	G	R	Y
63	R	G	R	G	R	Y

SIGNAL FACE I.D.



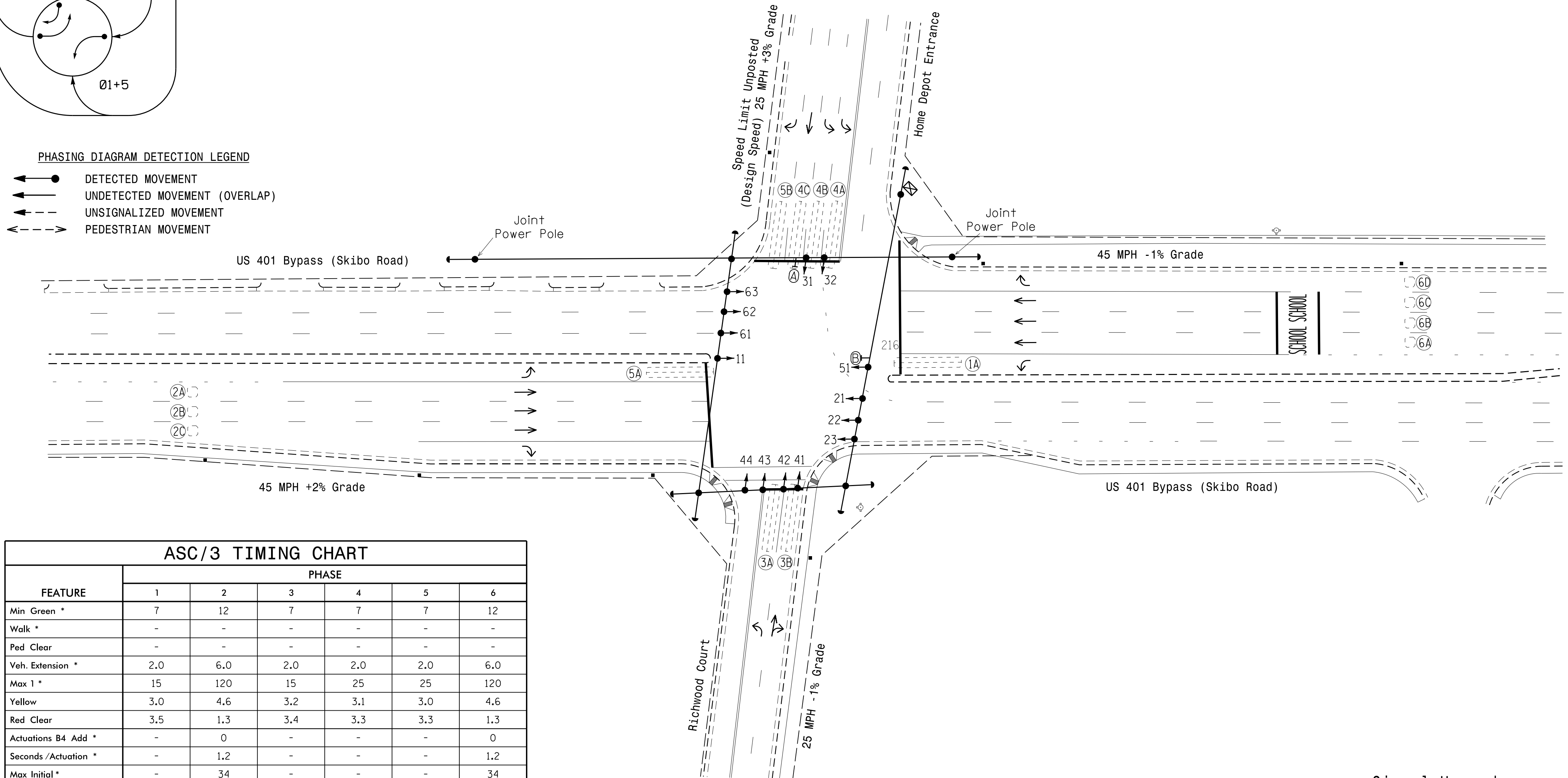
ASC/3 DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING						
					PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	
1A	6X40	+5	2-4-2	-	1	Yes	-	-	S	-	X
2A	6X6	300	4	-	2	Yes	-	-	N	-	X
2B	6X6	300	4	-	2	Yes	-	-	N	-	X
2C	6X6	300	4	-	2	Yes	-	-	N	-	X
3A	6X40	+5	2-4-2	-	3	Yes	-	-	S	-	X
3B	6X40	+5	2-4-2	-	3	Yes	-	15	S	-	X
4A	6X40	+5	2-4-2	-	4	Yes	-	-	S	-	X
4B	6X40	+5	2-4-2	-	4	Yes	-	-	S	-	X
4C	6X40	+5	2-4-2	-	4	Yes	-	-	S	-	X
5A	6X40	+5	2-4-2	-	5	Yes	-	-	S	-	X
5B	6X40	+5	2-4-2	-	5	Yes	-	20	S	-	X
6A	6X6	300	4	-	6	Yes	-	-	N	-	X
6B	6X6	300	4	-	6	Yes	-	-	N	-	X
6C	6X6	300	4	-	6	Yes	-	-	N	-	X
6D	6X6	300	4	-	6	Yes	-	-	N	-	X

6 Phase Fully Actuated Fayetteville 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.
- Phase 1 and/or phase 5 may be lagged.
- The order of phase 3 and phase 4 may be reversed.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

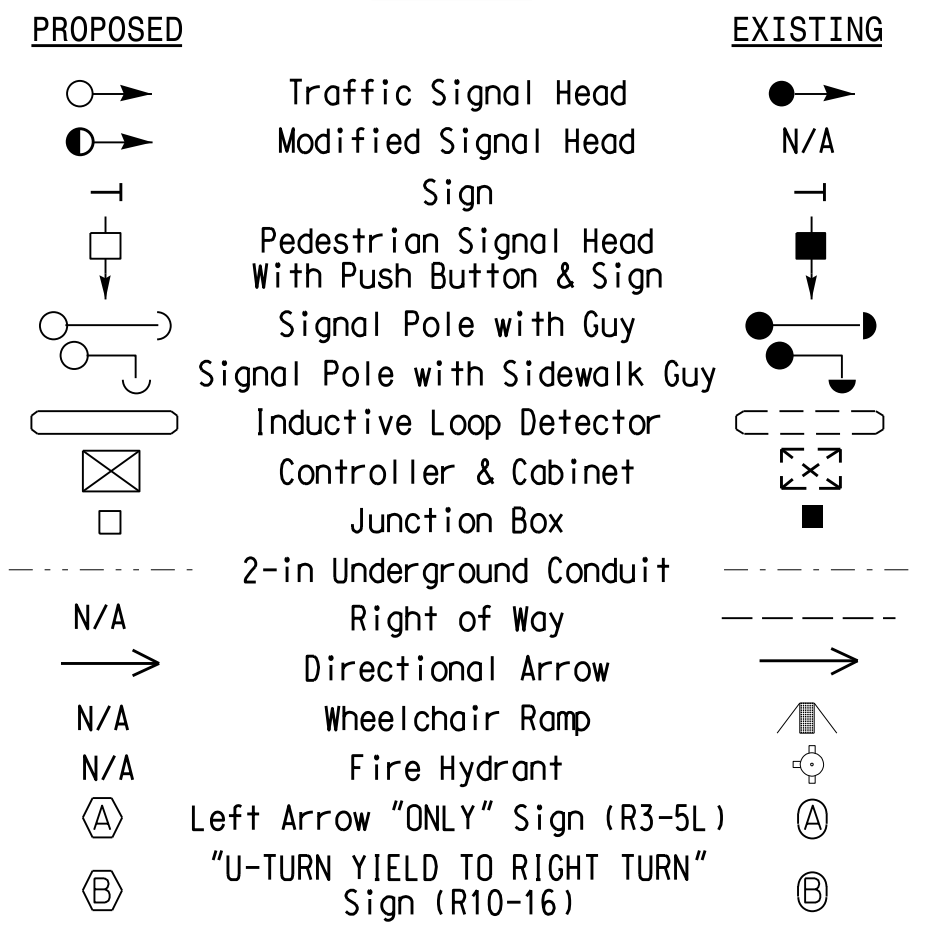


ASC/3 TIMING CHART

FEATURE	PHASE					
	1	2	3	4	5	6
Min Green *	7	12	7	7	7	12
Walk *	-	-	-	-	-	-
Ped Clear	-	-	-	-	-	-
Veh. Extension *	2.0	6.0	2.0	2.0	2.0	6.0
Max I *	15	120	15	25	25	120
Yellow	3.0	4.6	3.2	3.1	3.0	4.6
Red Clear	3.5	1.3	3.4	3.3	3.3	1.3
Activations B4 Add *	-	0	-	-	-	0
Seconds / Actuation *	-	1.2	-	-	-	1.2
Max Initial *	-	34	-	-	-	34
Time Before Reduction *	-	20	-	-	-	20
Time To Reduce *	-	40	-	-	-	40
Minimum Gap	-	3.0	-	-	-	3.0
Locking Detector	-	X	-	-	-	X
Recall Position	-	VEH. RECALL	-	-	-	VEH. RECALL
Dual Entry	-	-	-	-	-	-
Simultaneous Gap	X	X	X	X	X	X

* 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



Signal Upgrade

Prepared In the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529
 SCALE 1"=40'
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
 US 401 Bypass (Skibo Road) at Richwood Court/Home Depot
 Division 6 Cumberland County Fayetteville
 PLAN DATE: November 2015 REVIEWED BY: JG
 PREPARED BY: Devin Smith REVIEWED BY:
 REVISIONS INIT. DATE
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 JASON P. GALLAGHER
 SEAL 029904
 DocuSigned by: Jason P. Gallaghy 5/11/2016
 SIG. INVENTORY NO. 06-0576

I:\Projects\2015\11-15-15\SIGNAL\Signal Design\Section\Eastern Region\04\U-5742 Fayetteville ASC\3\606-0076\6060576_s1a.dsn_2015mmdd.dgn
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