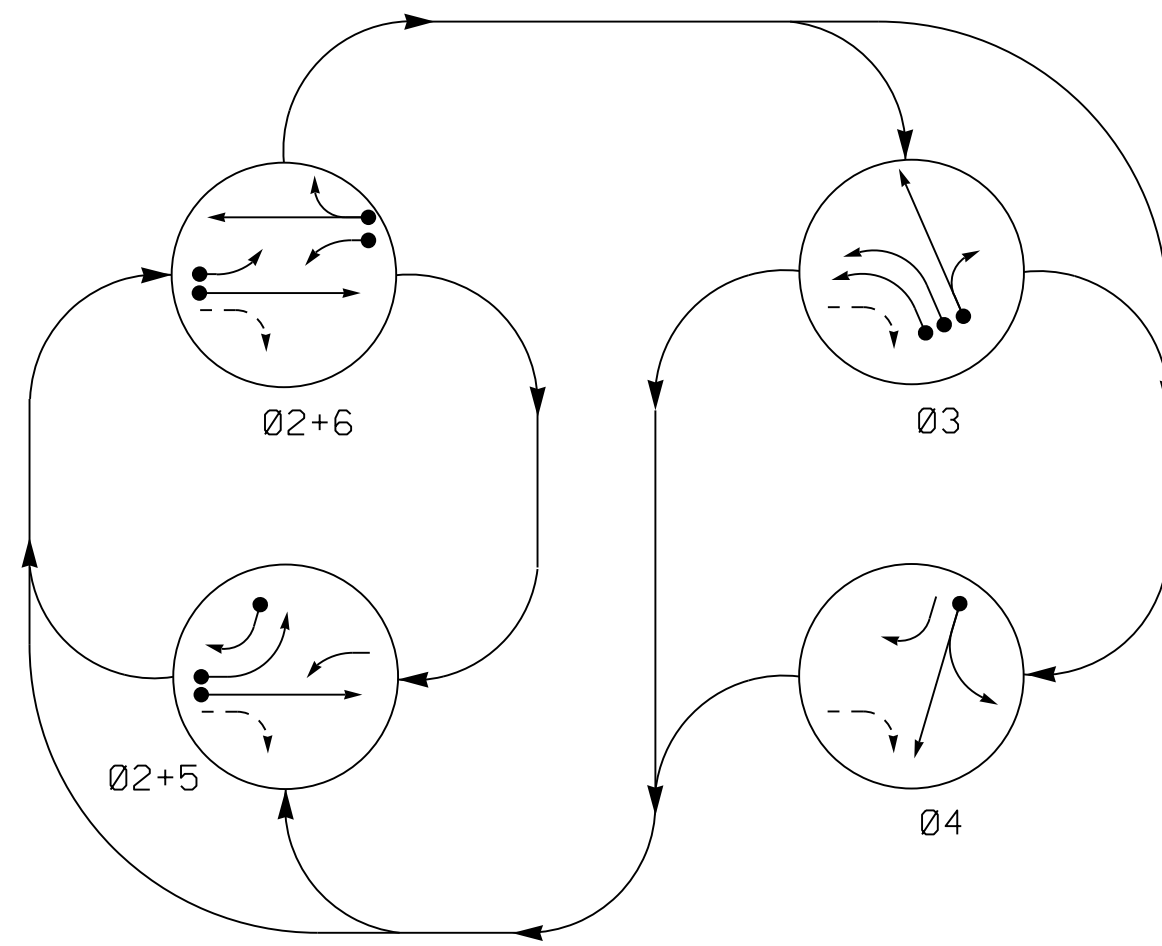


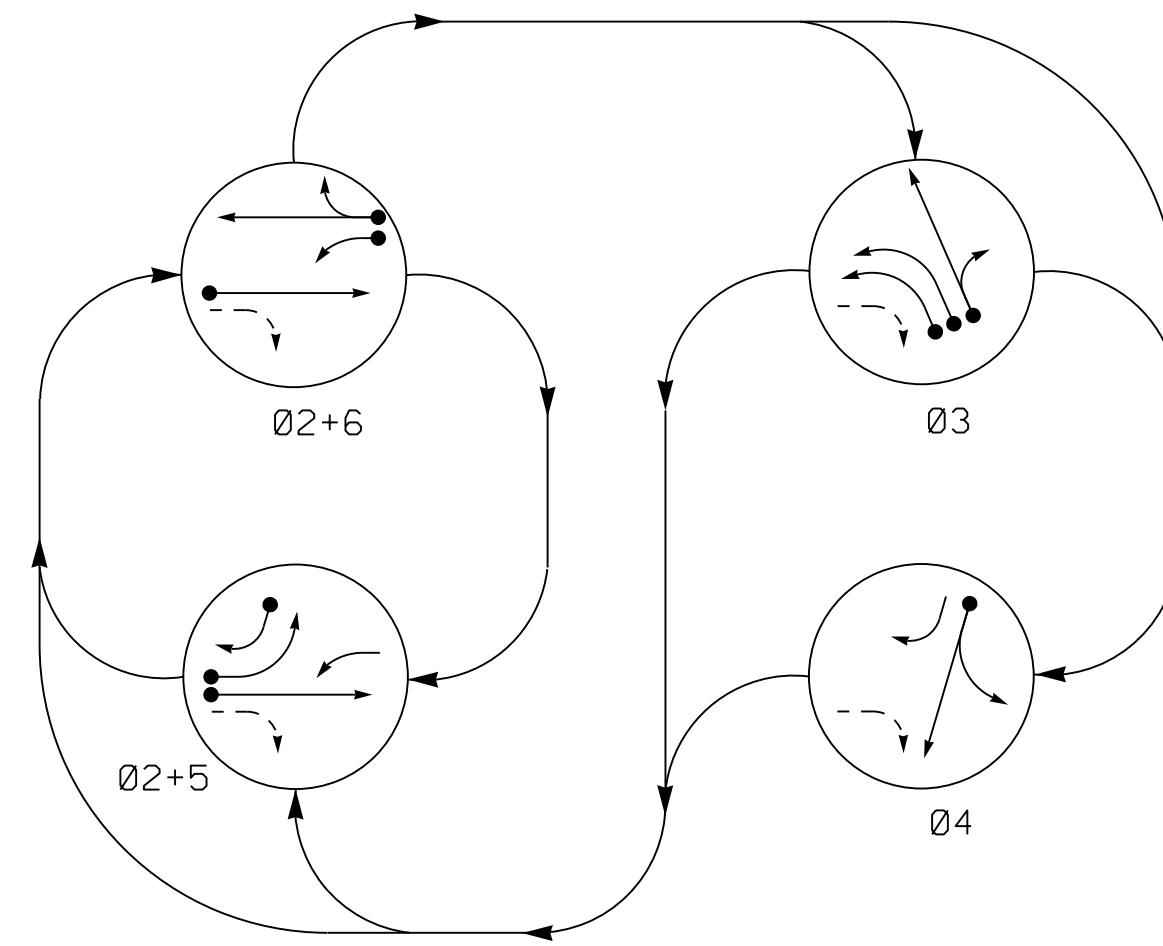
DEFAULT PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

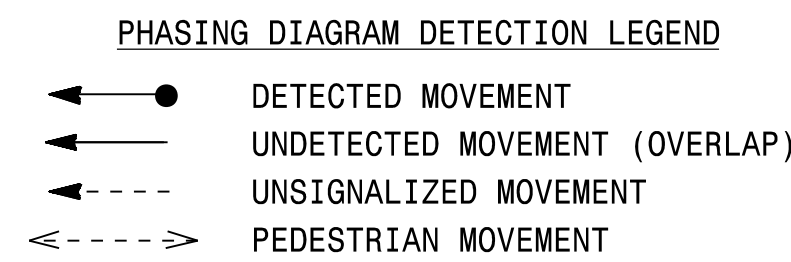
SIGNAL FACE	PHASE				
	02+5	02+6	03	04	F L P S H
21,22	G	G	R	R	Y
31,32	←	←	←	←	←
33,34	R	R	G	R	R
41	R	R	R	G	R
42	R	R	R	G	R
43	←	←	R	R	G
51	←	←	←	←	←
61	←	←	←	←	←
62,63	R	G	R	R	Y

ALTERNATE PHASING DIAGRAM

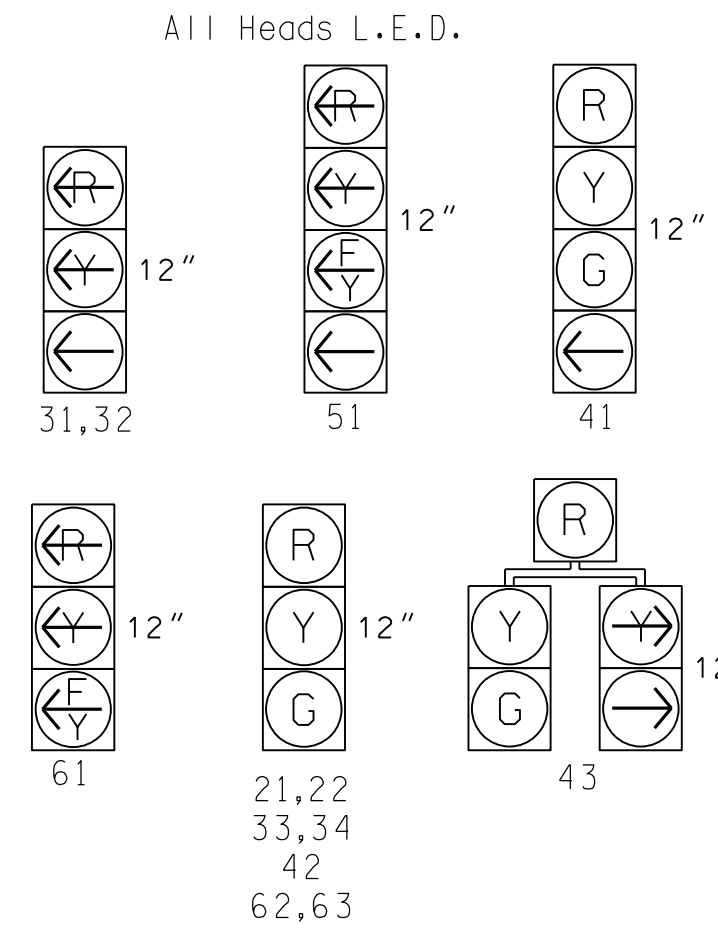


ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE				
	02+5	02+6	03	04	F L P S H
21,22	G	G	R	R	Y
31,32	←	←	←	←	←
33,34	R	R	G	R	R
41	R	R	R	G	R
42	R	R	R	G	R
43	←	←	R	R	G
51	←	←	←	←	←
61	←	←	←	←	←
62,63	R	G	R	R	Y



SIGNAL FACE I.D.



ASC/3 DETECTOR INSTALLATION CHART

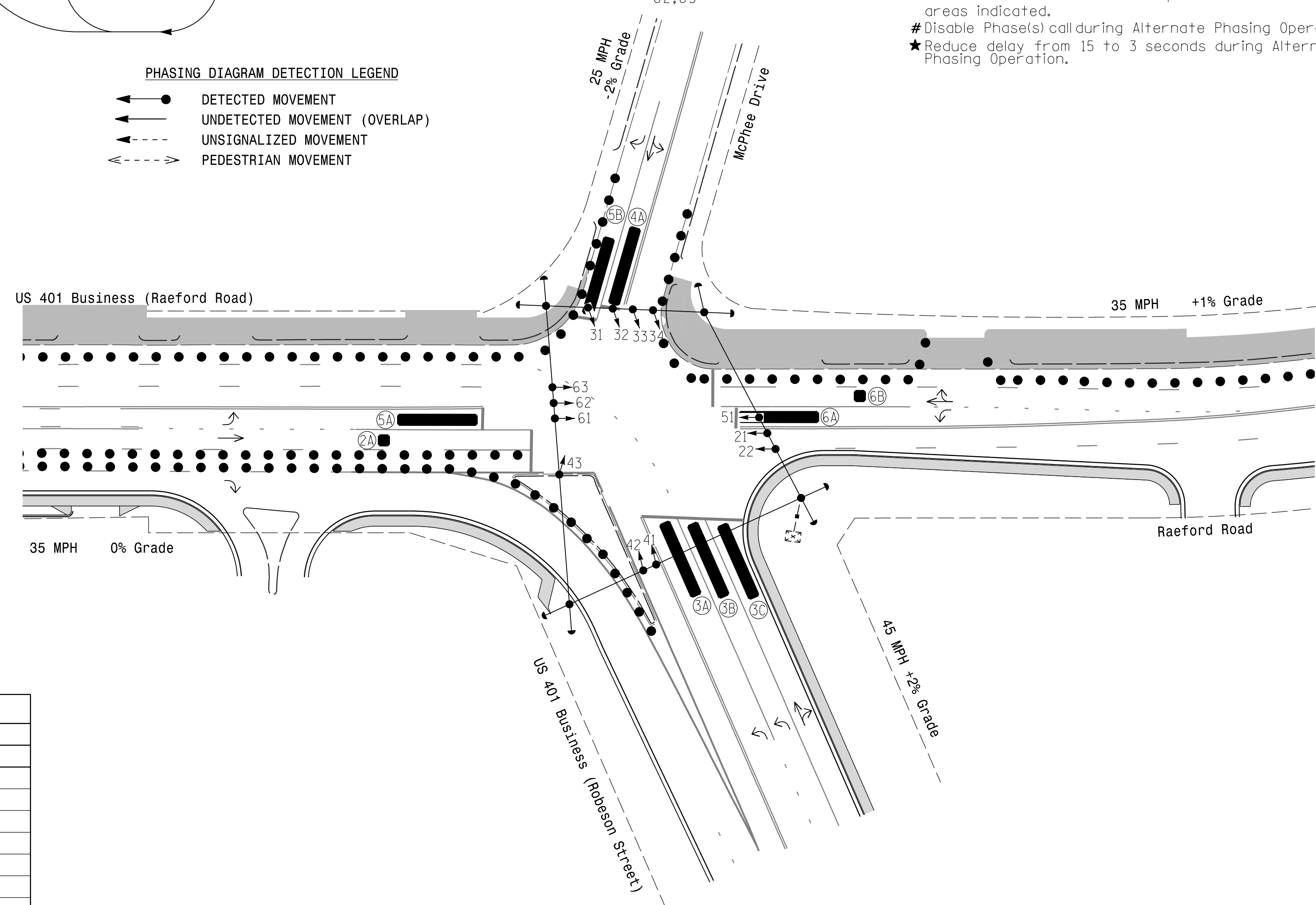
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING						
					PHASE	CALLING	EXTEND TIME	DELAY TIME	UUSE ADDED INITIAL	TYPE	SYSTEM LOOP
2A	6X6	70	*	-	2	Yes	-	-	-	S	-
3A	6X40	0	*	-	3	Yes	-	3	-	S	-
3B	6X40	0	*	-	3	Yes	-	-	-	S	-
3C	6X40	0	*	-	3	Yes	-	10	-	S	-
4A	6X40	0	*	-	4	Yes	-	-	-	S	-
5A	6X40	0	*	-	5	Yes	-	15★	-	S	-
5B	6X40	0	*	-	2#	Yes	-	-	-	S	-
6A	6X40	0	*	-	5	Yes	-	15	-	S	-
6B	6X6	70	*	-	6	Yes	-	-	-	S	-

* Video Detection Area. Camera locations should be confirmed in the field by the contractor in order to provide detection of the areas indicated.
 # Disable Phase(s) calling during Alternate Phasing Operation.
 ★ Reduce delay from 15 to 3 seconds during Alternate Phasing Operation.

4 Phase Fully Actuated Fayetteville Signal System

NOTES

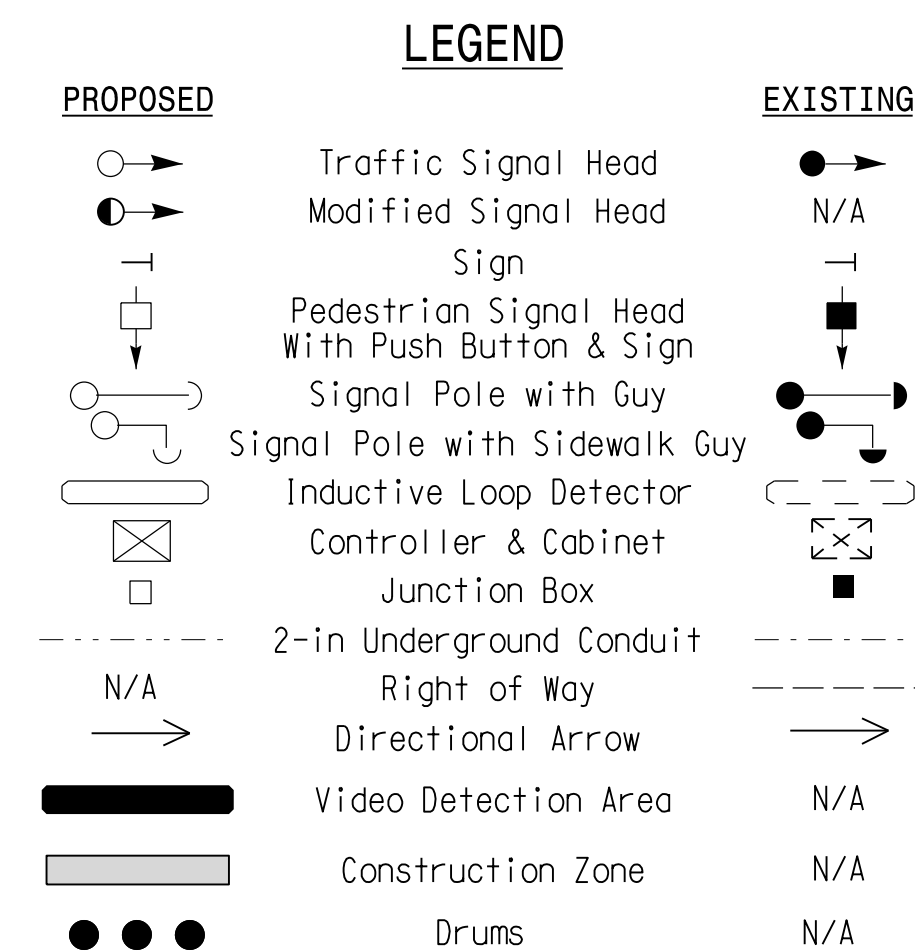
- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 5 may be lagged.
- The order of phase 3 and phase 4 may be reversed.
- Reposition existing signal heads numbered 61, 62, and 63.
- Set all detector units to presence mode.
- The Division (City) Traffic Engineer will determine the hours of use for each phasing plan.
- 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				
	2	3	4	5	6
Min Green *	10	7	7	7	10
Walk *	-	-	-	-	-
Ped Clear	-	-	-	-	-
Veh. Extension *	3.0	2.0	2.0	2.0	3.0
Max 1 *	45	25	20	15	45
Yellow	3.8	4.3	3.3	3.0	3.8
Red Clear	1.7	2.0	2.5	2.3	1.7
Red Revert	-	-	-	-	-
Actuations B4 Add *	-	-	-	-	-
Seconds / Actuation *	-	-	-	-	-
Max Initial *	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-
Time To Reduce *	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Locking Detector	-	X	-	-	X
Recall Position	-	VEH. RECALL	-	-	VEH. RECALL
Dual Entry	-	-	-	-	-
Simultaneous Gap	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.



Signal Upgrade Temporary Design 2 - TMP Phase II

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 License No. F-0672

Prepared for the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27526
 SCALE: 0 40
 1" = 40'

US 401 Bus./SR 1414 (Raeford Road) at US 401 Bus. (Robeson Street) /McPhee Drive

Division 6 Cumberland County Fayetteville

PLAN DATE: March 2018	REVIEWED BY: E D Harris
PREPARED BY: G B Spell	REVIEWED BY: B L Watson

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Professional Engineer Seal: **SEAL 29449**
 JESSY L. WATSON
 3/29/2018
 SIG. INVENTORY NO. 06-000212

3/29/2018 10:58:11 AM
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