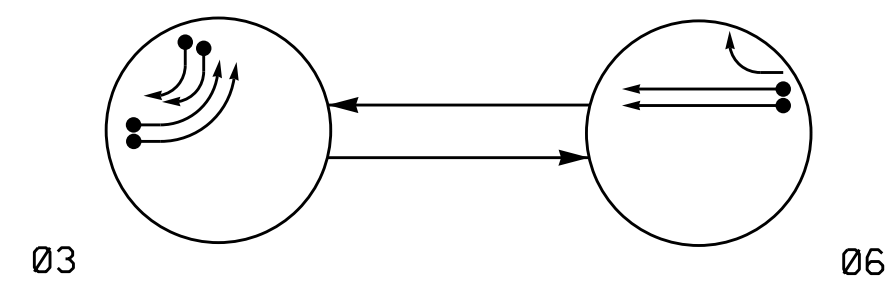


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

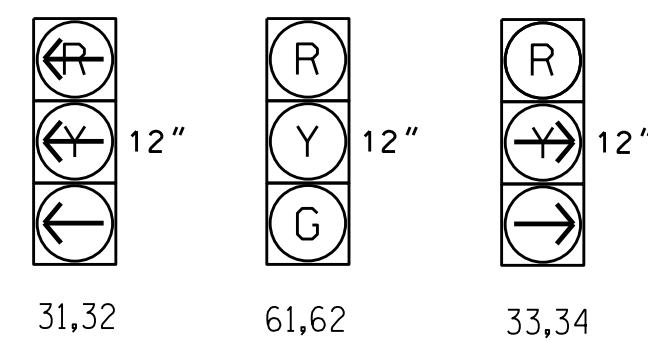
- ←●→ DETECTED MOVEMENT
- ←→ UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ←- - - PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø3	Ø6	F L
31,32	← R	← R	← R
33,34	← R	R	R
61,62	R	G	Y

SIGNAL FACE I.D.

All Heads L.E.D.

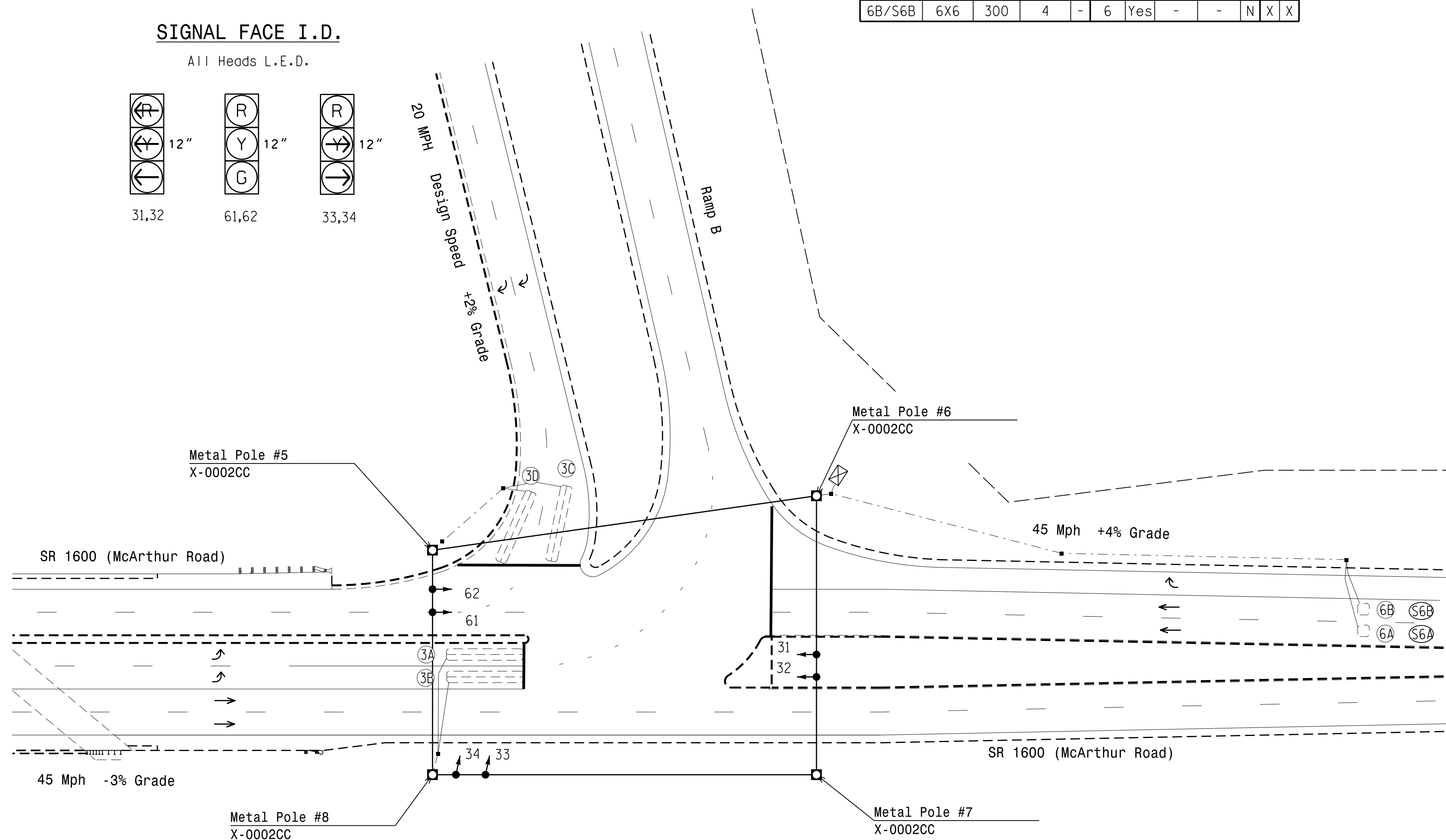


ASC/3 DETECTOR INSTALLATION CHART										
DETECTOR					PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	NEW CARD
3A	6X40	0	2-4-2	-	3	Yes	-	-	S	X
3B	6X40	0	2-4-2	-	3	Yes	-	-	S	X
3C	6X40	0	2-4-2	-	3	Yes	-	10	S	X
3D	6X40	0	2-4-2	-	3	Yes	-	10	S	X
6A/S6A	6X6	300	4	-	6	Yes	-	-	N	X
6B/S6B	6X6	300	4	-	6	Yes	-	-	N	X

2 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.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- The cabinet should be designed to include an Auxiliary Output file for future use.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



FEATURE	PHASE	
	3	6
Min Green *	7	12
Walk *	0	0
Ped Clear	0	0
Veh. Extension *	2.0	6.0
Max 1 *	30	90
Yellow	3.0	4.2
Red Clear	3.6	2.5
Actuations B4 Add *	-	0
Seconds / Actuation *	-	1.5
Max Initial *	-	34
Time Before Reduction *	-	15
Time To Reduce *	-	45
Minimum Gap	-	3.0
Locking Detector	-	X
Recall Position	-	VEH. RECALL
Dual Entry	-	-
Simultaneous Gap	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.

PROPOSED	EXISTING
○→ Traffic Signal Head	●→
●→ Modified Signal Head	N/A
↑ Sign	↑
⊥ Pedestrian Signal Head	⊥
⊥ With Push Button & Sign	⊥
○→ Signal Pole with Sidewalk Guy	●→
⊥ Metal Strain Pole	⊥
⊥ Inductive Loop Detector	⊥
⊥ Controller & Cabinet	⊥
⊥ Junction Box	⊥
--- 2-in Underground Conduit	---
N/A Right of Way	---
→ Directional Arrow	→

Signal Upgrade

Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

SR 1600 (McArthur Road) at I-295 EB Ramp/Loop B

Division 6 Cumberland County Fayetteville

PLAN DATE: JUNE 2016 REVIEWED BY: JPG

PREPARED BY: KGP, Jr. REVIEWED BY:

SEAL

Jason P. Galloway 6/3/2016

SIG. INVENTORY NO. 06-1304

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