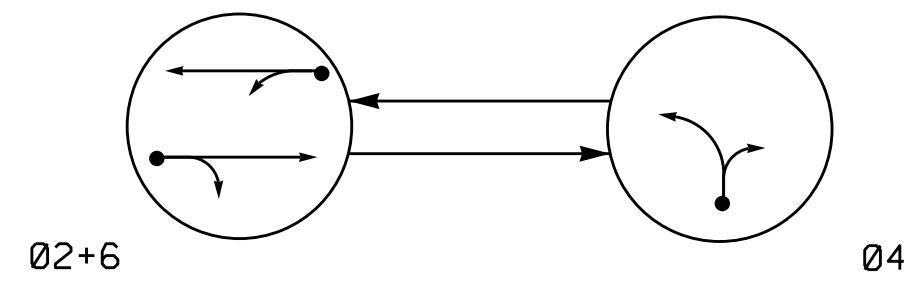


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

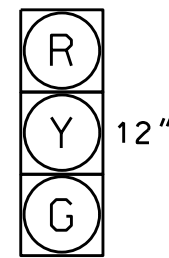
- ←●→ DETECTED MOVEMENT
- ←---→ UNDETECTED MOVEMENT (OVERLAP)
- ←--- UNSIGNALIZED MOVEMENT
- ←--- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02+6	04	FLIGHT
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y

SIGNAL FACE I.D.

All Heads L.E.D.



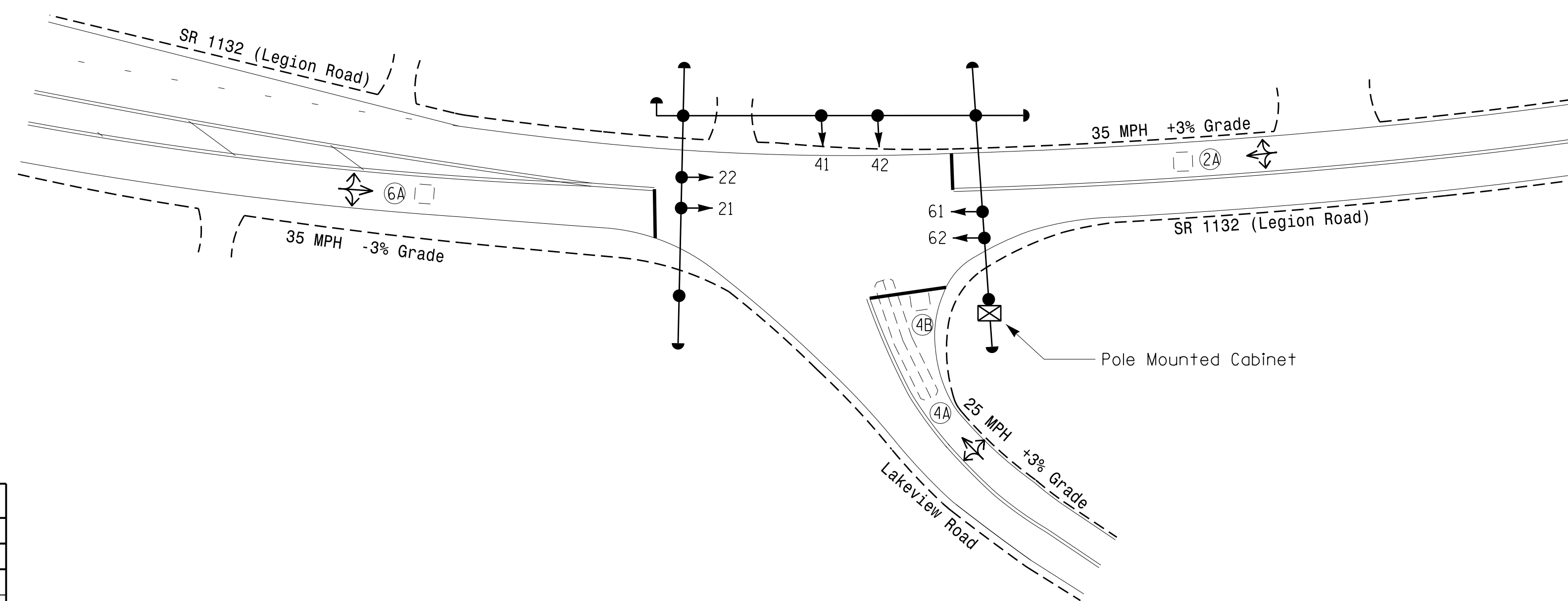
21,22
41,42
61,62

ASC/3 DETECTOR INSTALLATION CHART											
LOOP	SIZE (FT)	DETECTOR			PROGRAMMING						
		DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
2A	6X6	70	4	-	2	Yes	-	-	S	-	X
4A	6X460	+5	2-4-2	-	4	Yes	-	3	S	-	X
4B	6X6	0	4	-	4	Yes	-	15	S	-	X
6A	6X6	70	4	-	6	Yes	-	-	S	-	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.
- 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		
	2	4	6
Min Green *	10	7	10
Walk *	0	0	0
Ped Clear	0	0	0
Veh. Extension *	3.0	2.0	3.0
Max I *	45	25	45
Yellow	4.1	3.0	4.1
Red Clear	1.7	2.8	1.7
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

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

Signal Upgrade

	SR 1132 (Legion Road) at Lakeview Road		
	Division 6 Cumberland County Hope Mills PLAN DATE: JUNE 2016 REVIEWED BY: JPG PREPARED BY: KGP, Jr. REVIEWED BY:	REVISIONS: _____ INIT. DATE: _____	
SCALE: 1"=30' 	SIG. INVENTORY NO. 06-0862		DATE: 7/29/2016

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