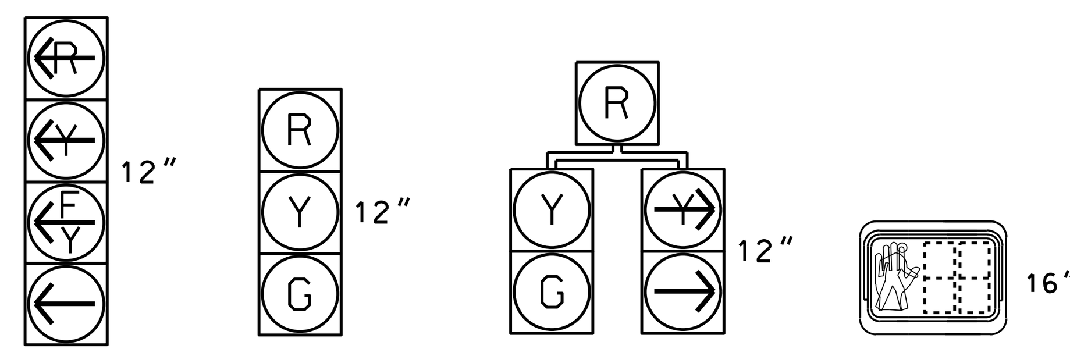
SIGNAL FACE I.D.

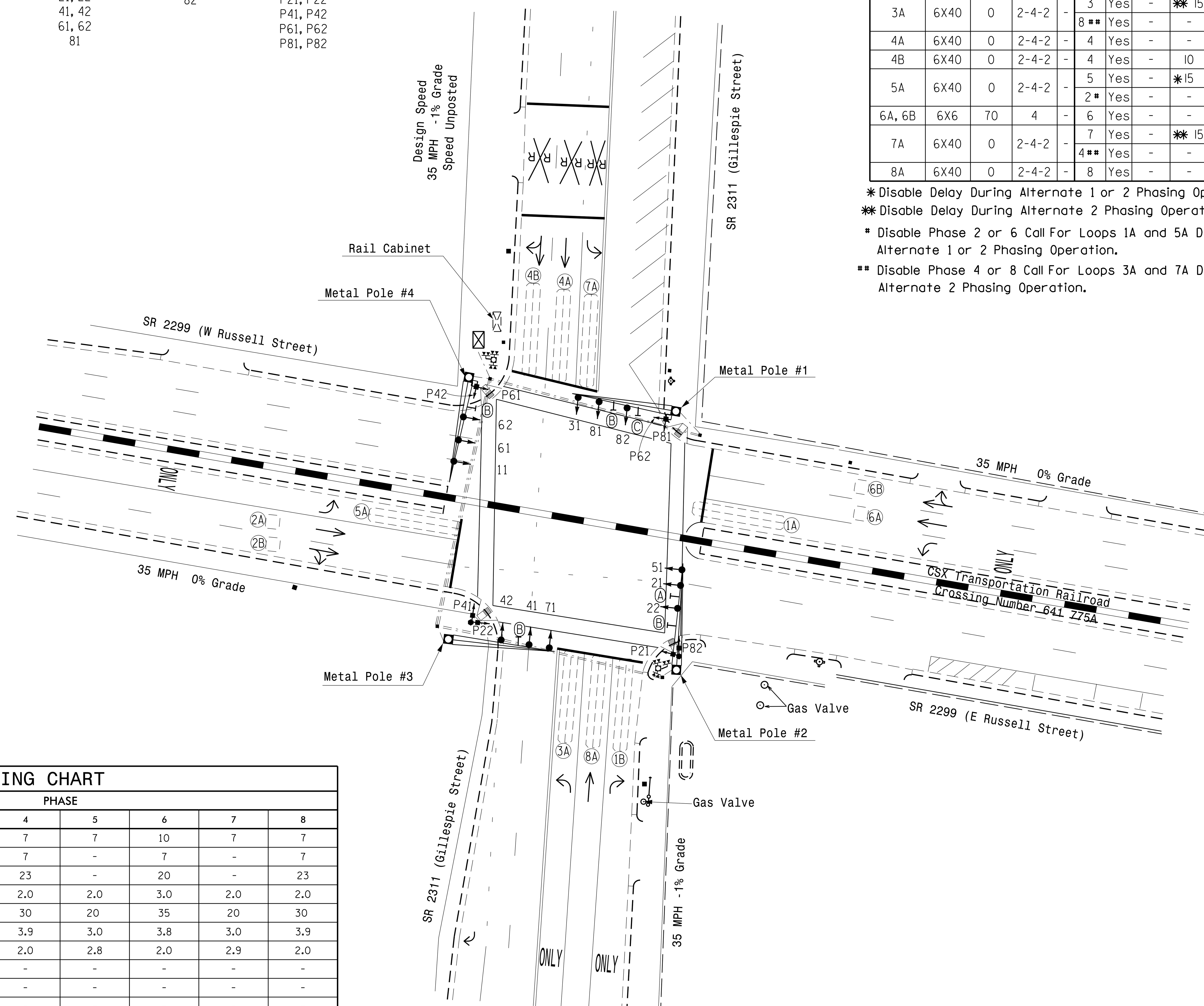
All Heads L.E.D.



ASC/3 RR PREEMPT	
FUNCTION	PRE 1
Exit Phases	4,8
Preempt Override	ON
Delay Time	0
Ped Clear Through Yellow	Y
Terminate Phases	N
Track Clear Reservice	Y
Entrance Walk	1
Entrance Ped Clear	10
Entrance Min Green	1
Entrance Yellow Change	25.5*
Entrance Red Clear	25.5*
Track Clear Min Green	0
Track Clear Yellow Change	-
Track Clear Red Clear	-
Min Dwell Time	10
Exit Yellow Change	25.5*
Exit Red Clear	25.5*

* Allows normal phase times to be used.

Simultaneous Preemption



ASC/3 DETECTOR INSTALLATION CHART											
DETECTOR					PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	-	1	Yes	-	✱15	S	-	X
					6 #	Yes	-	-	S	-	X
1B	6X40	0	2-4-2	-	1	Yes	-	15	S	-	X
2A, 2B	6X6	70	3	-	2	Yes	-	-	S	-	X
3A	6X40	0	2-4-2	-	3	Yes	-	✱✱ 15	S	-	X
					8 ##	Yes	-	-	S	-	X
4A	6X40	0	2-4-2	-	4	Yes	-	-	S	-	X
4B	6X40	0	2-4-2	-	4	Yes	-	10	S	-	X
5A	6X40	0	2-4-2	-	5	Yes	-	✱15	S	-	X
					2 #	Yes	-	-	S	-	X
6A, 6B	6X6	70	4	-	6	Yes	-	-	S	-	X
7A	6X40	0	2-4-2	-	7	Yes	-	✱✱ 15	S	-	X
					4 ##	Yes	-	-	S	-	X
8A	6X40	0	2-4-2	-	8	Yes	-	-	S	-	X

✱ Disable Delay During Alternate 1 or 2 Phasing Operation.

✱✱ Disable Delay During Alternate 2 Phasing Operation.

Disable Phase 2 or 6 Call For Loops 1A and 5A During Alternate 1 or 2 Phasing Operation.

Disable Phase 4 or 8 Call For Loops 3A and 7A During Alternate 2 Phasing Operation.

8 Phase
Fully Actuated
With Railroad Preemption
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. This location contains railroad preemption phasing. Do not program signal for late night flashing operation.
3. Phase 1 and/or phase 5 may be lagged.
4. Phase 3 and/or phase 7 may be lagged.
5. Set all detector units to presence mode.
6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
8. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
9. Pavement markings are existing.
10. The Division Traffic Engineer will determine the hours of use for each phasing plan.
11. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head With Push Button & Sign	
	Type II Pedestrian Pedestal	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Metal Pole with Mastarm	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
	Directional Arrow	
N/A	Railroad Tracks	
N/A	Railroad Signal Pole & Flasher	
N/A	Fire Hydrant	
Ⓐ	"LANES SHIFT" Arrows Sign	Ⓐ
Ⓑ	Street Sign	Ⓑ
Ⓒ	Right Arrow "ONLY" Sign (R3-5R)	Ⓒ

ASC/3 TIMING CHART								
FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green *	7	10	7	7	7	10	7	7
Walk *	-	7	-	7	-	7	-	7
Ped Clear	-	20	-	23	-	20	-	23
Veh. Extension *	2.0	3.0	2.0	2.0	2.0	3.0	2.0	2.0
Max 1 *	20	35	20	30	20	35	20	30
Yellow	3.0	3.8	3.0	3.9	3.0	3.8	3.0	3.9
Red Clear	2.8	2.0	2.9	2.0	2.8	2.0	2.9	2.0
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	-	-	-	X	-	-	-	X
Simultaneous Gap	X	X	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.

Signal Upgrade

Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

SR 2299 (Russell Street)
at
SR 2311 (Gillespie Street)

Division 6	Cumberland County	Fayetteville
PLAN DATE: April 2016	REVIEWED BY: JPG, PE	
PREPARED BY: EM Minshew	REVIEWED BY:	

SCALE 0 30 1"=30'

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 029904
JASON P. GALLOWAY

DocuSigned by: Jason P. Galloway 9/27/2016
DATE

SIG. INVENTORY NO. 06-0014