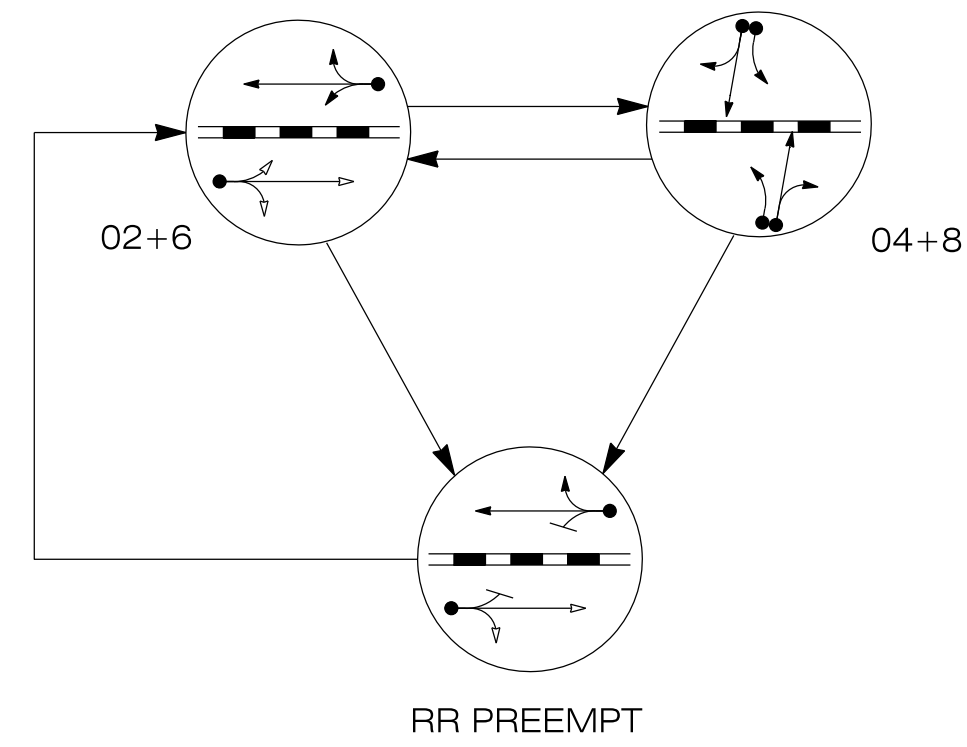


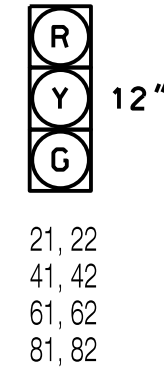
PHASING DIAGRAM



SIGNAL FACE	PHASE			
	02+6	04+8	RR PREEMPT	FLASH
21, 22	G	R	G	Y
41, 42	R	G	R	Y
61, 62	G	R	G	Y
81, 82	R	G	R	Y
SIGN A	OFF	OFF	ON	**

* FLASH IS ONLY FOR CONFLICT FLASH
** SEE NOTE #3.

SIGNAL FACE I.D.
All Heads L.E.D.



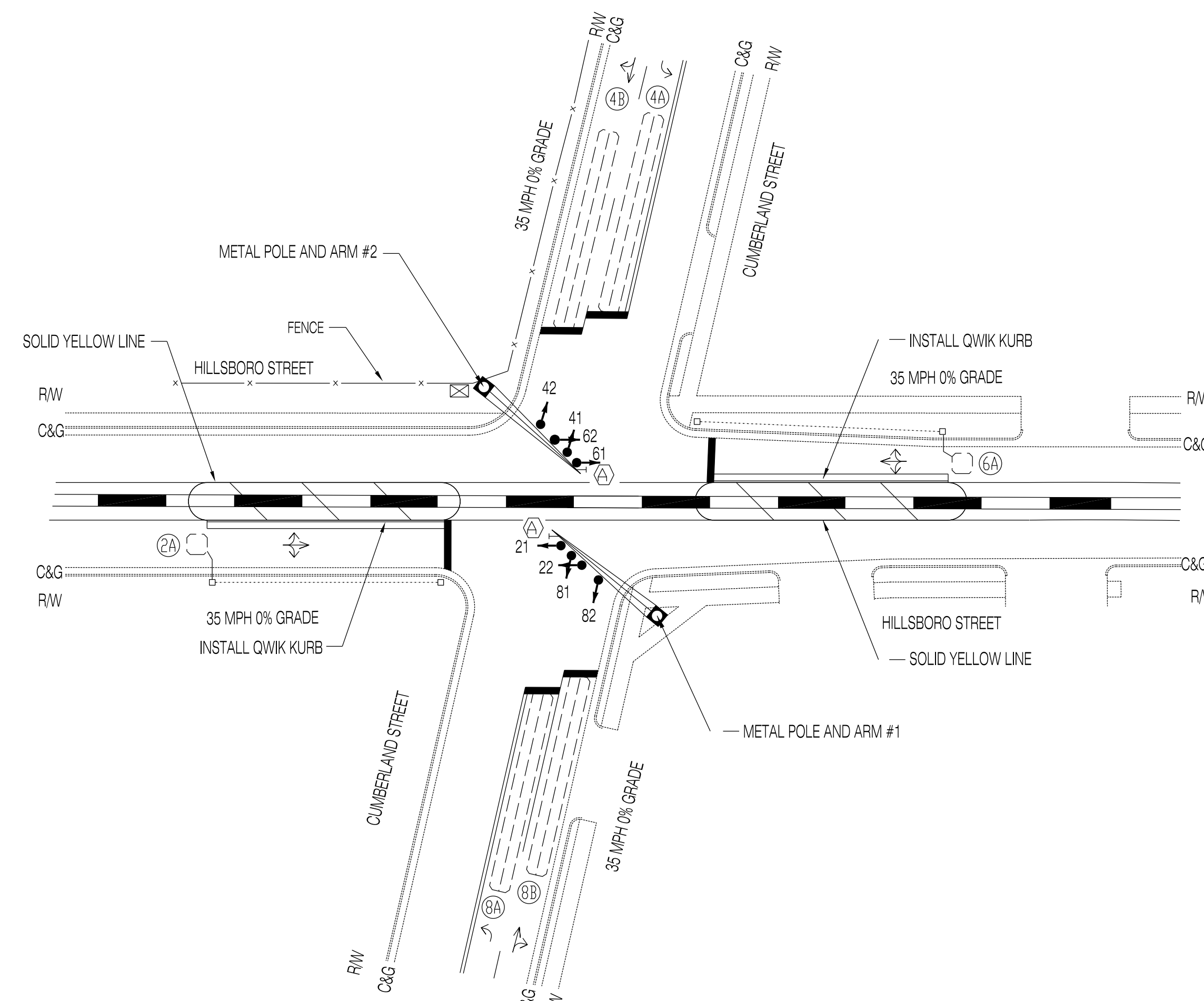
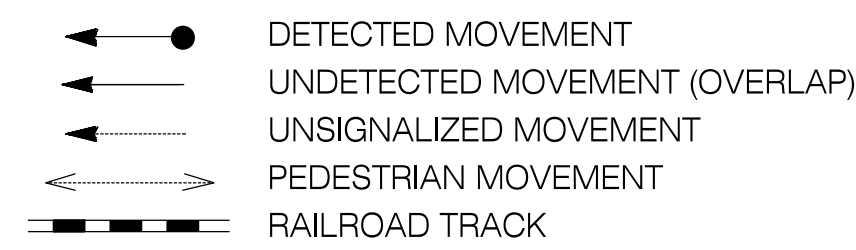
ASC/3 DETECTOR INSTALLATION CHART										
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	DETECTOR		PROGRAMMING					
			TURNS	NEW LOOP	PHASE	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
2A	6X6	70	4	-	2	-	-	S	-	Y
4A	6X60	0	2-4-2	-	4	-	-	S	-	Y
4B	6X60	0	2-4-2	-	4	-	10	S	-	Y
6A	6X6	70	4	-	6	-	-	S	-	Y
8A	6X60	0	2-4-2	-	8	-	-	S	-	Y
8B	6X60	0	2-4-2	-	8	-	10	S	-	Y

3 PHASE
FULLY ACTUATED W/ RAILROAD PREEMPTION
FAYETTEVILLE SIGNAL SYSTEM

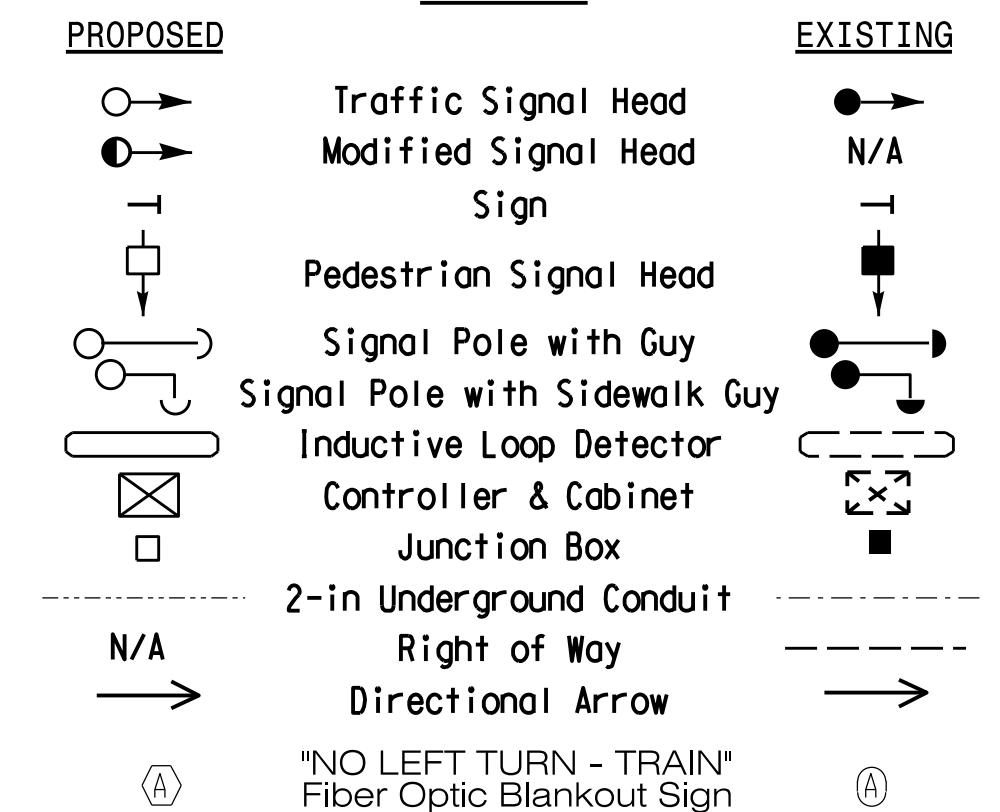
NOTES

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. Ensure flashing operation does not alter operation of blackout signs.
4. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
5. Set all detector units to presence mode.
6. Locate new cabinet on existing foundation.

PHASING DIAGRAM DETECTION LEGEND



LEGEND



FEATURE	ASC/3 TIMING CHART			
	2	4	6	8
Min Green *	10	7	10	7
Walk *	0	0	0	0
Ped Clear	0	0	0	0
Veh. Extension *	3.0	1.0	3.0	1.0
Max I *	50	30	50	30
Yellow	3.8	3.8	3.8	3.8
Red Clear	1.1	1.5	1.2	1.5
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

* 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.

ASC/3 RR PREEMPT

FUNCTION	PRE 1
Exit Phase(s)	2,6
Preempt Override	ON
Delay Time	0
Ped Clear Trough Yellow	N
Terminate Phases	N
Track Clear Reserve	Y
Entrance Walk	255*
Entrance Ped Clear	255*
Entrance Min Green	1
Entrance Yellow Change	25.5*
Entrance Red Clear	25.5*
Track Clear Min Green	10
Track Clear Yellow Change	25.5*
Track Clear Red Clear	25.5*
Min Dwell Time	10
Exit Yellow Change	25.5*
Exit Red Clear	25.5*

* Allows normal phase times to be used.

Signal Upgrade

Prepared In the Offices of
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HATCH MOTT MACDONALD & E, LLC
LICENSE NO. P4669

Fayetteville
DIV 06 CUMBERLAND COUNTY FAYETTEVILLE
HILLSBORO ROAD AT CUMBERLAND STREET
PLAN DATE: NOVEMBER 2016 REVIEWED BY: RWT
PREPARED BY: BLR REVIEWED BY:
REVISIONS: INIT. DATE
SCALE: 0 30
DocuSigned by: Russell W. Thompson 11/21/2016
SEAL 032711
SIG. INVENTORY NO. C013

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