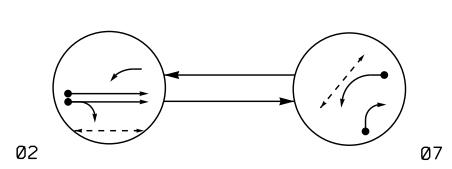
### PHASING DIAGRAM



#### PHASING DIAGRAM DETECTION LEGEND

<b>←</b>	DETECTED MOVEMENT
<b>—</b>	UNDETECTED MOVEMENT (OVERLA
<b>-</b>	UNSIGNALIZED MOVEMENT
<b>≪</b> >	PEDESTRIAN MOVEMENT

\_\_\_\_\_-

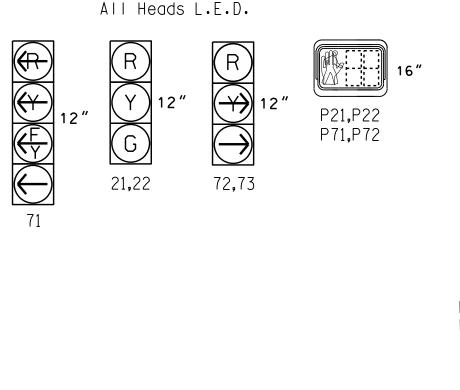
TABLE OF OPERATION					
	PHASE				
SIGNAL FACE	<b>0</b> 2	Ø 7	止しるのエ		
21,22	G	R	Υ		
71	ц <mark>≻</mark>	<b>—</b>	+		
72,73	R	<b>→</b>	R		
P21 <b>,</b> P22	W	DW	DRK		
P71 <b>,</b> P72	DW	W	DRK		

SIGNAL	FACE	I.D.

SR 1403 (South Reilly Road)

45 Mph +1% Grade

\	Heads	F	D.



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ASC/3 TI	MING C	HART			
	PHASE				
FEATURE	2	7			
Min Green *	12	7			
Walk *	7	7			
Ped Clear	12	9			
Veh. Extension *	6.0	2.0			
Max 1 *	80	20			
Yellow	4.4	3.0			
Red Clear	1.6	2.9			
Actuations B4 Add *	0	-			
Seconds /Actuation *	1.5	-			
Max Initial *	34	-			
Time Before Reduction *	15	-			
Time To Reduce *	30	-			
Minimum Gap	3.0	-			
Locking Detector	X	-			
Recall Position	VEH. RECALL	-			
Dual Entry	-	-			
Simultaneous Gap	Х	Х			

\* 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 DETECTOR INSTALLATION CHART											
DETECTOR				PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE   ∃						
2A/S2A	6X6	300	4	-	2	Yes	-	-	N	Χ	Χ
2B/S2B	6X6	300	4	-	2	Yes	-	_	N	Χ	Χ
7A	6X60	+20	2-4-2	-	7	Yes	-	15	S	-	Χ
7B	6X40	0	2-4-2	_	7	Yes	-	15	S	_	Χ

SR 1403 (South Reilly Road)

# 2 Phase Fully Actuated 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. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Set all detector units to presence mode.
- 4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 5. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 6. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 7. Pavement markings are existing.
- 8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

## **LEGEND**

<u>PROPOSED</u>		<b>EXISTING</b>
$\bigcirc$	Traffic Signal Head	<b></b>
<b>O</b>	Modified Signal Head	N/A
$\dashv$	Sign	$\dashv$
$\downarrow$	Pedestrian Signal Head With Push Button & Sign	<b>+</b>
<u> </u>	Signal Pole with Guy	•
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	$\subset = = \supset$
	Controller & Cabinet	K K Z
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
$\longrightarrow$	Directional Arrow	$\longrightarrow$
$\bigcirc$	Type II Signal Pedestal	•
$\langle \Delta \rangle$	"U-TURN YIELD TO RIGHT TURN" Sign (R10-16)	

Signal Upgrade

SR 1403 (South Reilly Road)

Northumberland Street Fayetteville March 2016 REVIEWED BY:

Division 6 Cumberland County 750 N.Greenfleld Pkwy.Garner.NC 27529 PREPARED BY: Jeff Spence REVIEWED BY: INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED