PROJECT REFERENCE NO. I-5711 Sig 2.0

4 Phase Fully Actuated SR 1007 (Mebane Oaks Rd) CLS Signal System: 10705

NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Phase 1 may be lagged.
- 4. The order of phase 3 and phase 4 may be reversed.
- 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. heads to countdown the lk" time only.
- 9. re existing.
- in timing chart are for 10. only. Coordinated signal es supersede these values.
- 11. data: Master Asset #: 10705, 0908.

pedesir fall Cari	
Program pedestr	
flashing "Don't	
Pavement markir	
Maximum times s	
free-run operat	
system timing v	
Closed loop sys	
Controller Asse	et #:
<u>PROPOSED</u>	
\bigcirc	Traf
\dashv	
\vdash	Pedes
\(With P

	LEGEND	
PROPOSED		EXISTING
\bigcirc	Traffic Signal Head	
\dashv	Sign	
↓	Pedestrian Signal Head With Push Button & Sign	
	Signal Pole with Guy	•
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
M	Master Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit -	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow
	Metal Strain Pole	
\bigcirc	Type II Signal Pedestal	
N/A	Curb Ramp	
$\langle \Delta \rangle$	"U-TURN YIELD TO RIGHT TURN" Sign (R10-16)	
⟨B⟩	Right "TURNING VEHICLES" Yield "TO" Pedestrians Sign (R10-15R) 🗒
$\langle C \rangle$	No U Turn Sign (R3-4)	\bigcirc

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

032179

SIG. INVENTORY NO. 07-0908

Eliaolong ting 12

NC 119 (S. Fifth Street) SR 1007 (Mebane Oaks Road)

and Falcon Road Division 7 Alamance County PLAN DATE: November 2019 REVIEWED BY: Z. "Gavin" Teng

750 N.Greenfield Pkwy, Garner, NC 27529 PREPARED BY: Z. "Gavin" Teng REVIEWED BY: REVISIONS INIT. DATE

TABLE 0	FC)PEI	RAT	ION	J
		Р	HAS	E	
SIGNAL FACE	Ø 1 + 0	Ø2+6	Ø3	Ø 4	上山丘の

THUE	+ 6	+ (6	3	4	ISI	
11	•	└	#		→	
21		└	#	*	*	
22, 23	R	G	R	R	Υ	
31	R	R	U	R	R	
32	R	R	G	R	R	
41	R	R	R	G	R	
42	R	R	R	G	R	
43	$\mathbb{R}/$	R	R	G	R	
61, 62	G	G	R	R	Υ	
P21, P22	DW	W	DW	DW	DRK	

NC 119 (Fifth St)

35 MPH +1% Grade

11	-	<u></u>			←
21	F	└			→
22, 23	R	G	R	R	Υ
31	R	R	G	R	R
32	R	R	G	R	R
41	R	R	R	G	R
42	R	R	R	G	R
43	R/	R	R	G	R
61, 62	G	G	R	R	Y
P21, P22	DW	W	DW	DW	DRK
P31, P32	DW	DW	W	DW	DRK
P41, P42	DW	DW	DW	W	DRK
P61, P62	W	W	DW	DW	DRK

PHASING	DIAGRAM	DETECTION	LEGEND
·		•	

DETECTED MOVEMENT

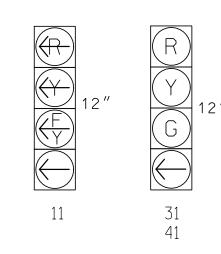
PHASING DIAGRAM

UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT

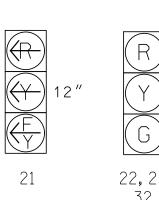
← − → PEDESTRIAN MOVEMENT

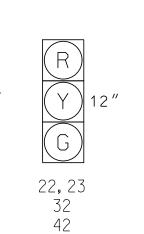
SIGNAL FACE I.D.

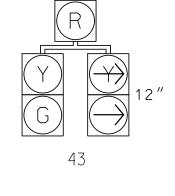
All Heads L.E.D.

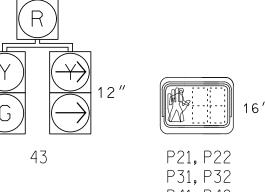


Ø2+6









12"	16"
2	P21, P22 P31, P32 P41, P42 P61, P62

	ASC/3	TIMIN	G CHAR	Т	
			PHASE		
FEATURE	1	2	3	4	6
Min Green *	7	10	7	7	10
Walk *	0	7	7	7	7
Ped Clear	0	28	13	17	13
Veh. Extension *	2.0	3.0	2.0	2.0	3.0
Max 1 *	20	45	25	25	45
Yellow	3.0	3.8	3.6	3.7	3.8
Red Clear	2.8	2.6	2.6	2.7	2.6
Red Revert	2.0	2.0	2.0	2.0	2.0
Actuations B4 Add *	-	-	-	-	-
Seconds /Actuation *	-	-	-	-	-
Max Initial *	-	-	-	-	-
Time Before Reduction *	-	-	-	_	-
Time To Reduce *	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Locking Detector	-	Х	-	-	X
Recall Position	-	VEH. RECALL	-	-	VEH. RECALL
Dual Entry	-	-	-	_	-

* 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.

PREPARED IN THE OFFICE OF: Accelerate Engineering, PLLC 875 Walnut Street, Suite 316 Cary, NC 27511 Tel: 919.263.5678 Fax: 919.263.5687 NC License No. P-1442

Signal Upgrade

ASC/3 DETECTOR INSTALLATION CHART

Yes

Yes

EXISTING METAL POLE

NC 119 (Fifth St)

3 Yes

4 Yes

PROGRAMMING

15

15

15

DETECTOR

STOPBAR

6X40 0 2-4-2

70

70

+225

6X6 +225

0 2-4-2

0 2-4-2

0 2-4-2

0 2-4-2

0 2-4-2

(FT)

6X40

6X6

6X40

6X40

6X40

6X40

6X6

6X6

LOOP

2A