

SIGNAL FACE	PHASE										
	01+5	02+5	03+5	03+7	03+8	04+7	04+8	P1	P2	P3	FLASH
11	←	←	←	←	←	←	←	←	←	←	←
21, 22	R	R	G	G	R	R	R	R	G	R	Y
31	←	←	←	←	←	←	←	←	←	←	←
41, 42, 43	R	R	R	R	R	R	G	G	R	R	R
51	←	←	←	←	←	←	←	←	←	←	←
61	R	G	R	G	R	R	R	R	G	R	Y
62	R	G	R	G	R	R	R	R	G	R	Y
71	←	←	←	←	←	←	←	←	←	←	←
81	R	R	R	R	R	R	G	R	G	R	R
82	R	R	R	R	R	R	G	R	G	R	R
P21, P22	DW	DW	W	W	DW	DW	DW	DW	DW	DW	DRK
P81, P82	DW	DW	DW	DW	DW	W	DW	DW	DW	DW	DRK

ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							TYPE	SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL					
1A	6X40	0	*	*	1	Yes	-	15	-	-	S	-	*	
1B	6X40	0	*	*	6	Yes	-	-	-	-	S	-	*	
2A	6X6	70	*	*	2	Yes	-	-	-	-	S	-	*	
2B	6X6	70	*	*	2	Yes	-	-	-	-	S	-	*	
3A	6X40	0	*	*	3	Yes	-	15	-	-	S	-	*	
3B	6X40	0	*	*	8	Yes	-	3	-	-	S	-	*	
4A	6X40	0	*	*	4	Yes	-	10	-	-	S	-	*	
5A	6X40	0	*	*	5	Yes	-	15	-	-	S	-	*	
6A	6X6	70	*	*	2	Yes	-	-	-	-	S	-	*	
6B	6X6	70	*	*	6	Yes	-	-	-	-	S	-	*	
7A	6X40	0	*	*	7	Yes	-	15	-	-	S	-	*	
7B	6X40	0	*	*	4	Yes	-	3	-	-	S	-	*	
8A	6X40	0	*	*	8	Yes	-	-	-	-	S	-	*	
S17	6x6	+155	*	*	-	No	-	-	-	-	N	X	*	
S18	6x6	+155	*	*	-	No	-	-	-	-	N	X	*	

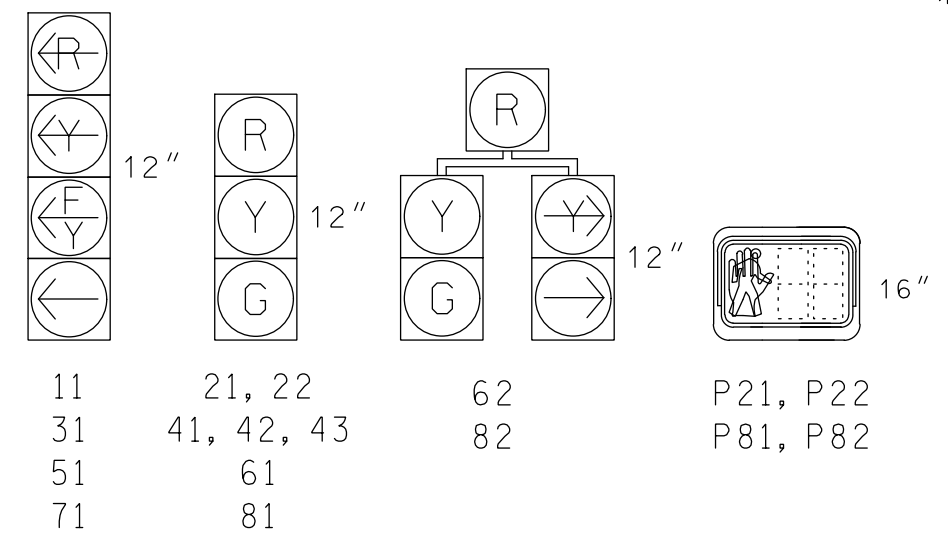
8 Phase Fully Actuated w/ Emergency Vehicle Preemption SR 1007 (Mebane Oaks Rd) CLS Signal System: 10705

NOTES

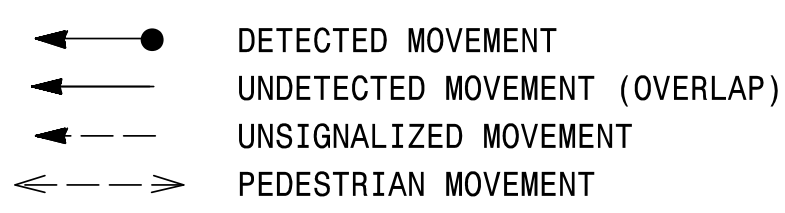
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Phase 3 and/or 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. Relocate the existing GPS Emergency Vehicle Preemption system..
11. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
12. Closed loop system data: Controller Asset #: 1349.

SIGNAL FACE I.D.

All Heads L.E.D.



PHASING DIAGRAM DETECTION LEGEND



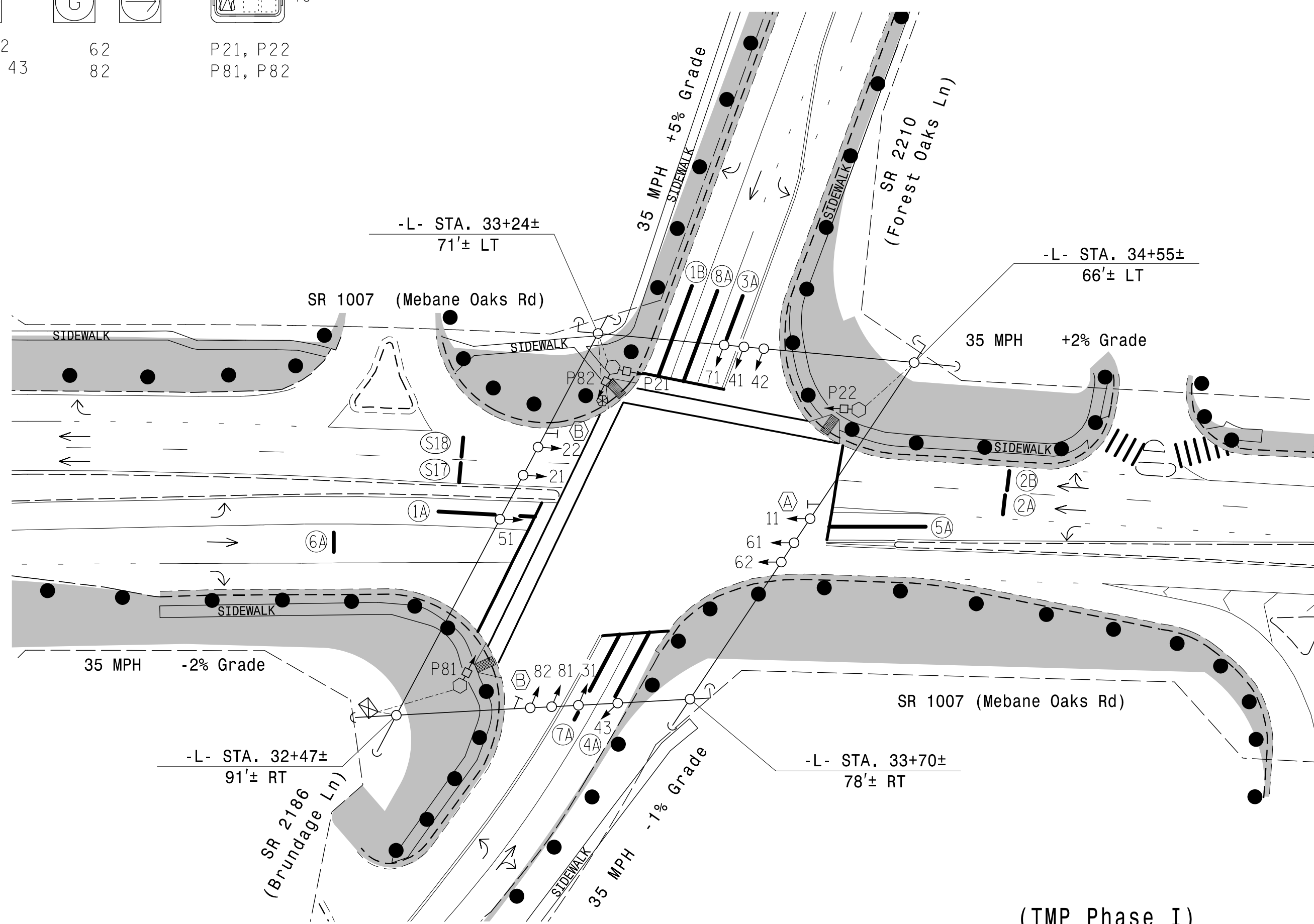
ASC/3 EV PREEMPT

FUNCTION	PRE 3	PRE 5
Exit Phase(s)	2+6	2+6
Preempt Override	OFF	OFF
Delay Time	0	0
Ped Clear Through Yellow	Y	Y
Terminate Phases	N	N
Entrance Walk	1	1
Entrance Ped Clear	15	15
Entrance Min Green	1	1
Entrance Yellow Clear	25.5*	25.5*
Entrance Red Clear	25.5*	25.5*
Min Dwell Time	7	7
Preempt Input Extension Time	2	2
Preempt Max Time	120	120
Exit Yellow Clear	25.5*	25.5*
Exit Red Clear	25.5*	25.5*

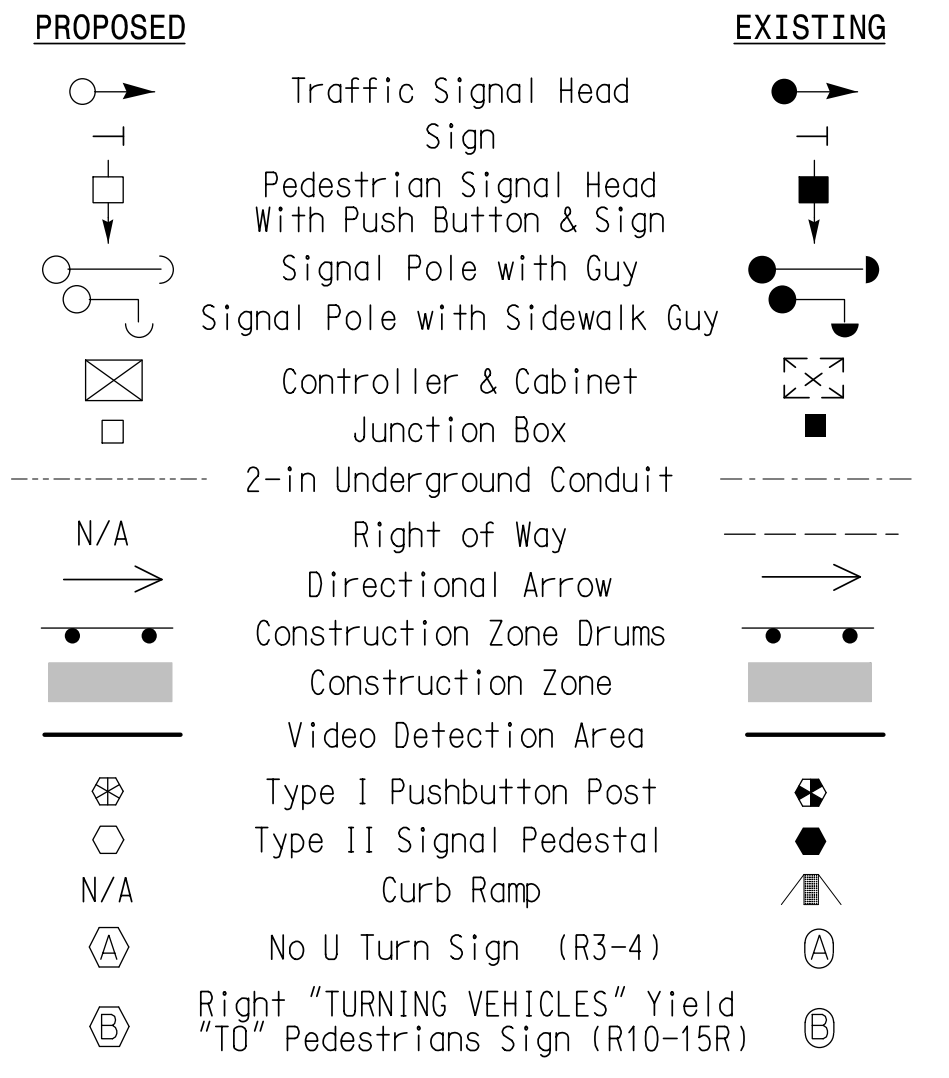
* Time defaults to time used for phase during normal operation

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green *	7	10	7	7	7	10	7	7
Walk *	0	7	0	0	0	0	0	4
Ped Clear	0	21	0	0	0	0	0	30
Veh. Extension *	2.0	3.0	2.0	2.0	2.0	3.0	2.0	2.0
Max 1 *	20	90	20	30	20	90	20	30
Yellow	3.0	4.0	3.0	3.9	3.0	4.0	3.0	3.9
Red Clear	3.1	2.5	2.3	1.9	3.2	2.5	2.3	1.9
Red Revert	2.0	2.0	2.0	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	-	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.



LEGEND



(TMP Phase I) Signal Upgrade - Temporary Design 1

	SR 1007 (Mebane Oaks Road) at SR 2186 (Brundage Lane) / SR 2210 (Forest Oaks Lane)		<p>SEAL</p> <p>ZHAOLONG TENG 032179 ENGINEER</p>
	Division 7 Alamance County Mebane PLAN DATE: November 2019 PREPARED BY: Z. "Gavin" Teng REVIEWED BY: Z. "Gavin" Teng	REVIEWED BY: Z. "Gavin" Teng REVIEWED BY:	

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