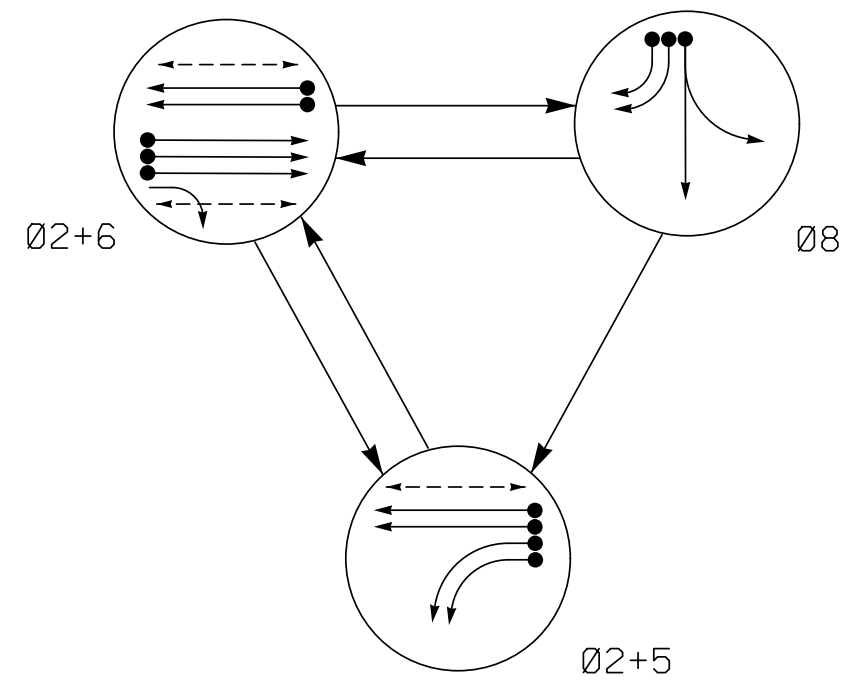
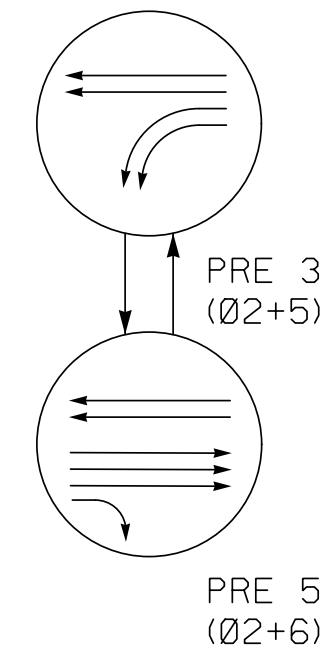


PHASING DIAGRAM



EV PREEMPT PHASES (Medium Priority)



PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
UNDETECTED MOVEMENT (OVERLAP)
UNSIGNALIZED MOVEMENT
PEDESTRIAN MOVEMENT

TABLE OF OPERATION

Table with columns: SIGNAL FACE, PHASE (02+5, 08, PRE 3, PRE 5, FLASH), and signal timing details for various faces (21, 22, 51, 52, 53, etc.).

ASC/3 DETECTOR INSTALLATION CHART

Table with columns: LOOP, DETECTOR (SIZE, DISTANCE, TURNS, NEW LOOP), PROGRAMMING (PHASE, CALLING, EXTEND TIME, DELAY TIME, USE ADDED INITIAL, SYSTEM LOOP, NEW CARD).

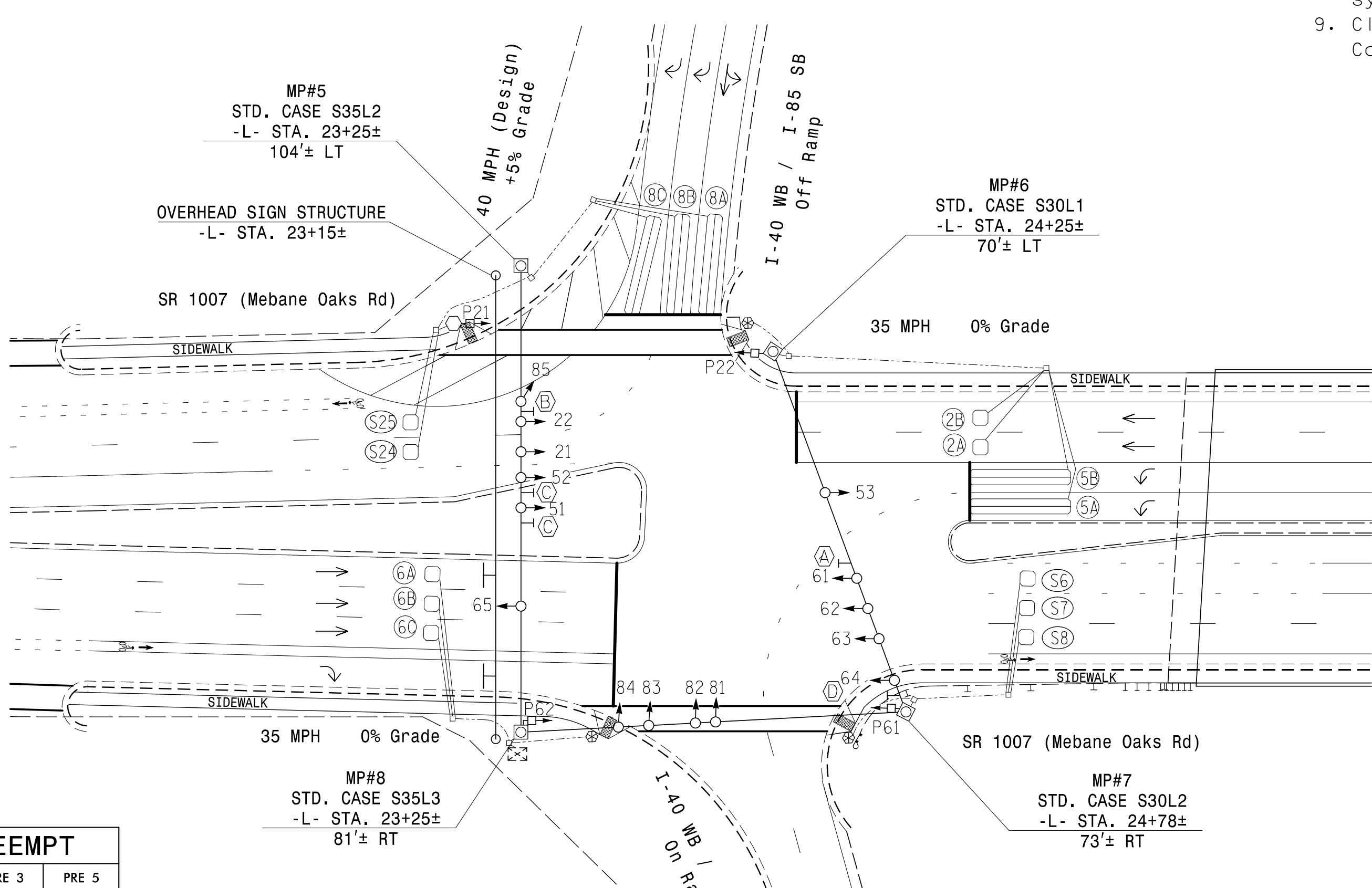
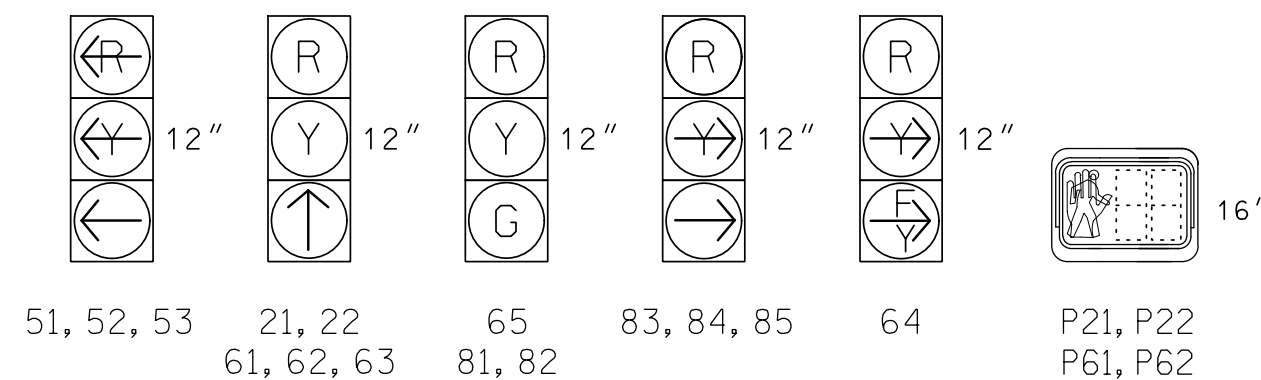
3 Phase Fully Actuated w/ Emergency Vehicle Preemption SR 1007 (Mebane Oaks Rd) CLS Signal System: 10705

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 5 may be lagged.
4. Set all detector units to presence mode.
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. This intersection features a GPS Emergency Vehicle Preemption system.
8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
9. Closed loop system data: Controller Asset #: 2024.

SIGNAL FACE I.D.

All Heads L.E.D.



ASC/3 TIMING CHART

Timing chart table with columns: FEATURE, PHASE (2, 5, 6, 8) and timing values for various features like Min Green, Walk, Ped Clear, etc.

ASC/3 EV PREEMPT

Table with columns: FUNCTION, PRE 3, PRE 5 and values for functions like Exit Phase(s), Preempt Override, Delay Time, etc.

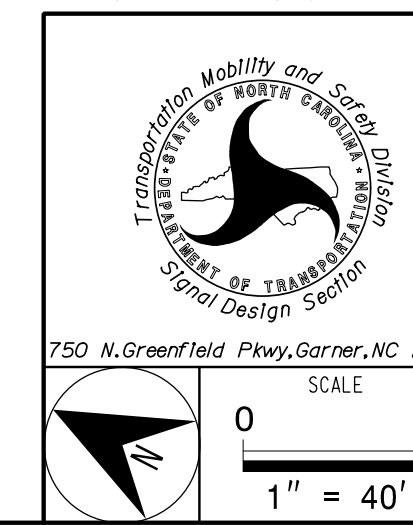
LEGEND

- PROPOSED: Traffic Signal Head, Pedestrian Signal Head, Inductive Loop Detector, etc.
EXISTING: Traffic Signal Head, Sign, Pedestrian Signal Head, etc.

* 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.

* Time defaults to time used for phase during normal operation

Signal Upgrade - Final Design



SR 1007 (Mebane Oaks Road) at I-40 WB / I-85 SB Ramps
Division 7 Alamance County Mebane

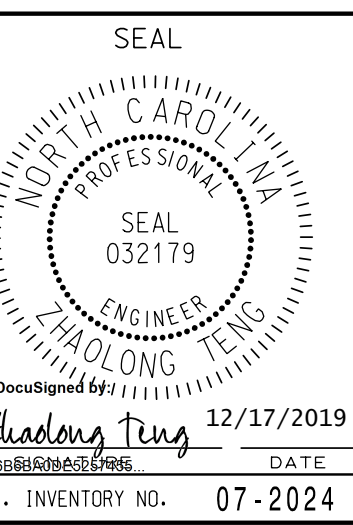
PLAN DATE: November 2019 REVIEWED BY: Z. "Gavin" Teng
PREPARED BY: Z. "Gavin" Teng REVIEWED BY:

Table with columns: REVISIONS, INIT., DATE

PREPARED IN THE OFFICE OF:

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12/17/2019
DATE
SIG. INVENTORY NO. 07-2024

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