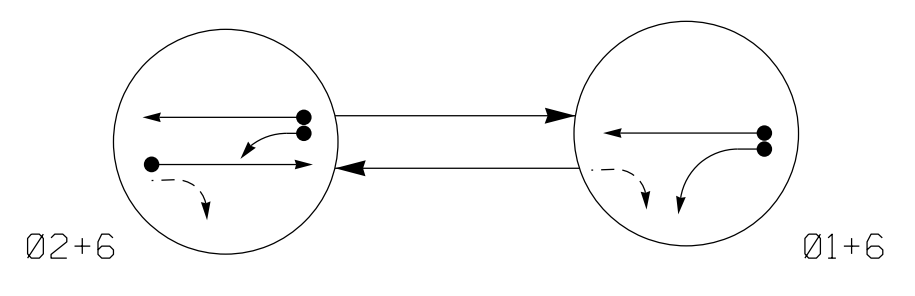


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND
DETECTED MOVEMENT
UNDETECTED MOVEMENT (OVERLAP)
UNSIGNALIZED MOVEMENT
PEDESTRIAN MOVEMENT

EV PREEMPT PHASES

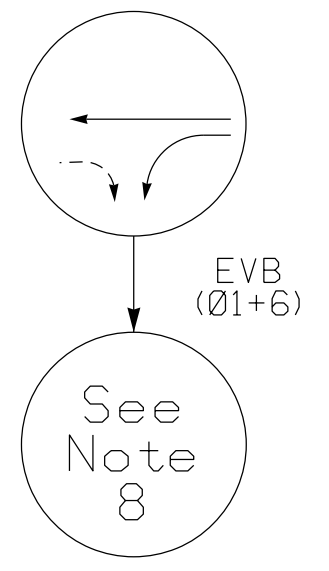
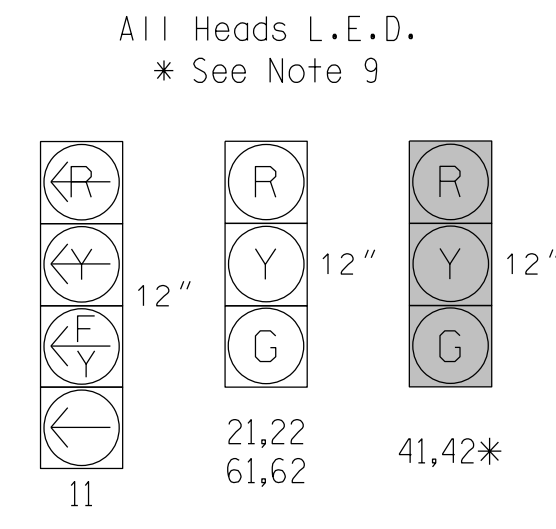


TABLE OF OPERATION

Table with columns: SIGNAL FACE, PHASE (01+6, 02+6, EVB, FLD, F), and values for faces 11, 21,22, and 61,62.

SIGNAL FACE I.D.



2033 SOFTWARE w/ 2070 CONTROLLER LOOP & DETECTOR UNIT INSTALLATION CHART. Includes columns for INDUCTIVE LOOPS and DETECTOR PROGRAMMING (TIMING, ATTRIBUTES, STATUS).

* Video Detection Zone

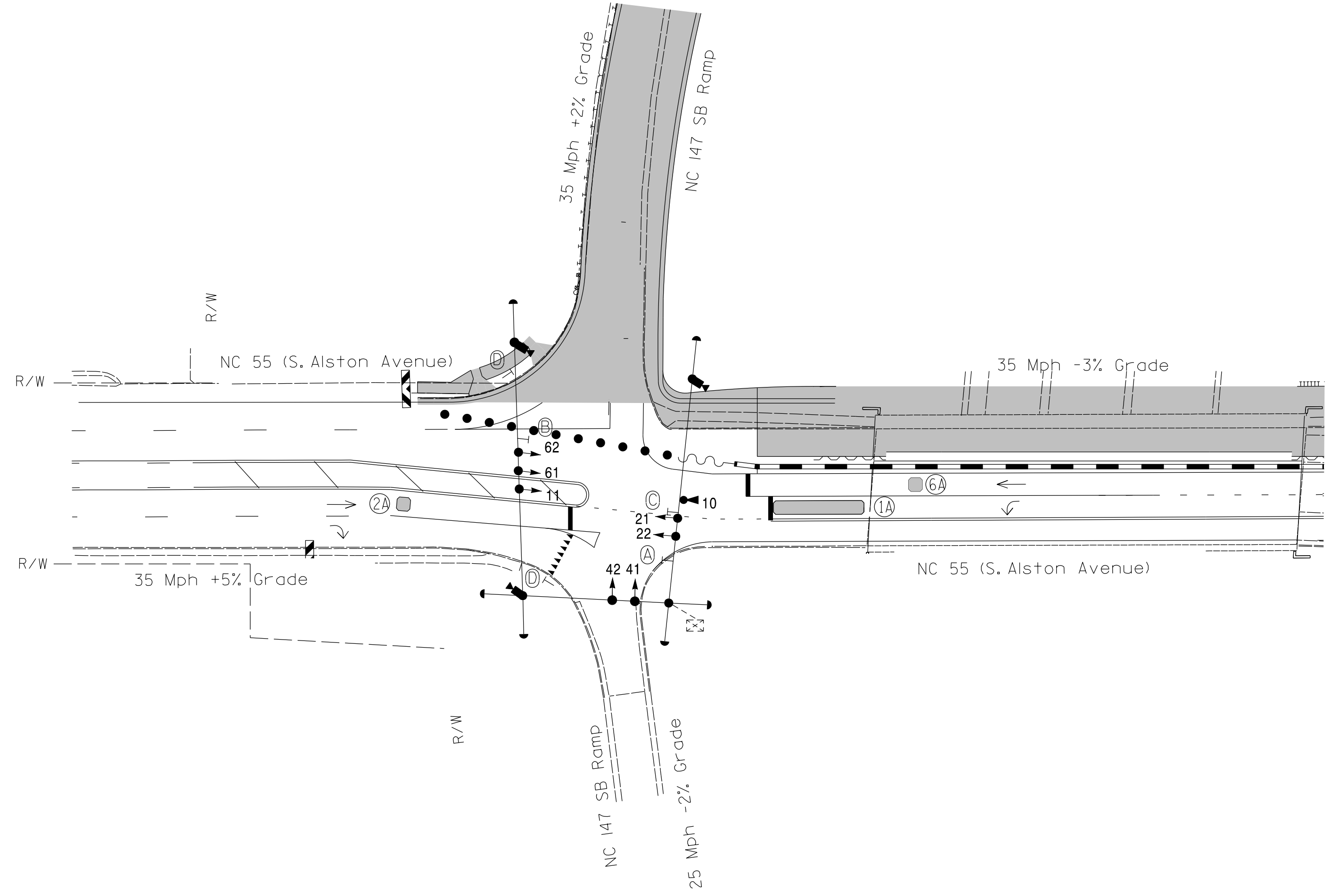
2 Phase Fully Actuated w/ EV Preemption (Durham Signal System) NOTES

- 1. Refer to "Road Standard Drawings NCDOT" dated January 2012...
2. Do not program signal for late night flashing operation...
3. Set all detector units to presence mode.
4. Program all timing information into phase banks 1,2, and 3...
5. Set phase bank 3 maximum limit to 250 seconds for phases used.
6. This intersection features an optical preemption system...
7. Upon completion of Emergency Vehicle Preemption, controller returns to normal operation...
8. Maximum times shown in timing chart are for free-run operation only...
9. Bag and disconnect signal heads #41 and #42 during this phase of construction.

2033 EV PREEMPTION table with columns: FUNCTION and EVB (SECONDS). Rows include DELAY BEFORE PREEMPT, MIN. PED. CLEAR BEFORE PREEMPT, MIN. GREEN BEFORE PREEMPT, CLEARANCE TIME, and PREEMPT EXTEND**.

TIMING CHART 2033 SOFTWARE w/2070 CONTROLLER. Table with columns: PHASE, 01, 02, 06 and rows for various timing parameters like MINIMUM INITIAL, VEHICLE EXTENSION, YELLOW CHANGE INT., 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.



LEGEND table with columns: PROPOSED and EXISTING. Lists symbols for Traffic Signal Head, Pedestrian Signal Head, Inductive Loop Detector, etc.

4/6/2015 6:41:03 PM C:\Users\pawson\OneDrive\Documents\2012 Traffic Signals\2012 Traffic Signals\TEMP SIGNALS WITH VIDEO\U-3308-102872.dgn

SEPI ENGINEERING & CONSTRUCTION logo and contact information: 1025 Wade Avenue, Raleigh, NC 27605.

Project title block: Signal Upgrade - Temporary Design 2 (TMP Phase 1, Step 4A). Includes location (NC 55 at NC 147 SB Ramps), date (March 2015), and professional engineer seal.