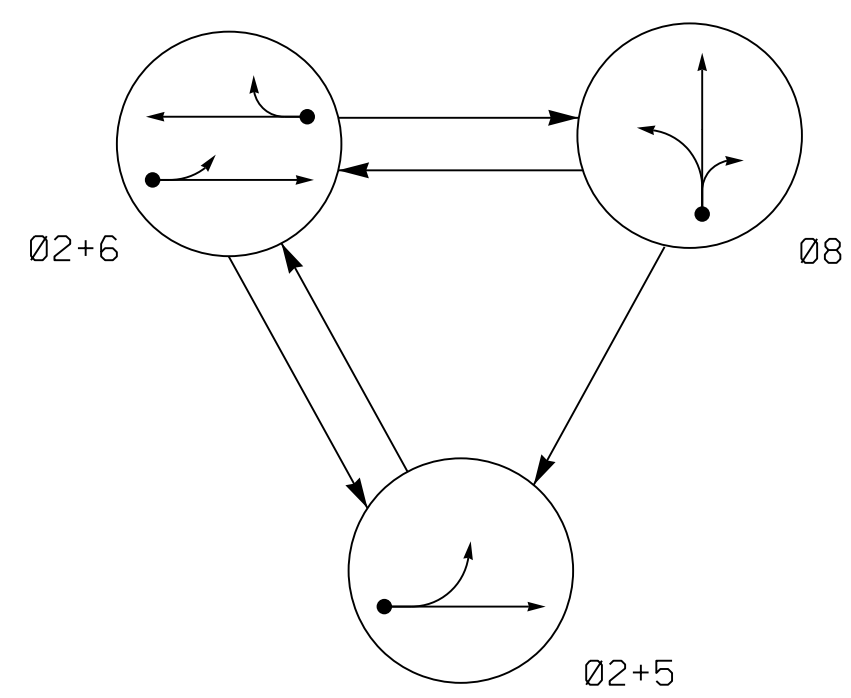


PHASING DIAGRAM

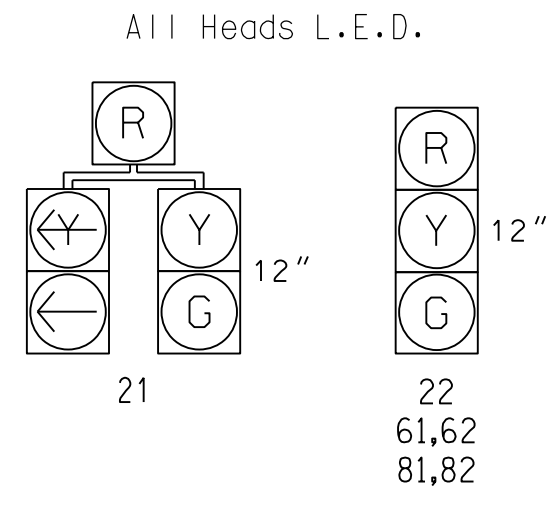


PHASING DIAGRAM DETECTION LEGEND
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

Table with columns: SIGNAL FACE, PHASE (Ø1+NS, Ø2+NS, Ø8, L, R, Y), and rows for faces 21, 22, 61,62, and 81,82.

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

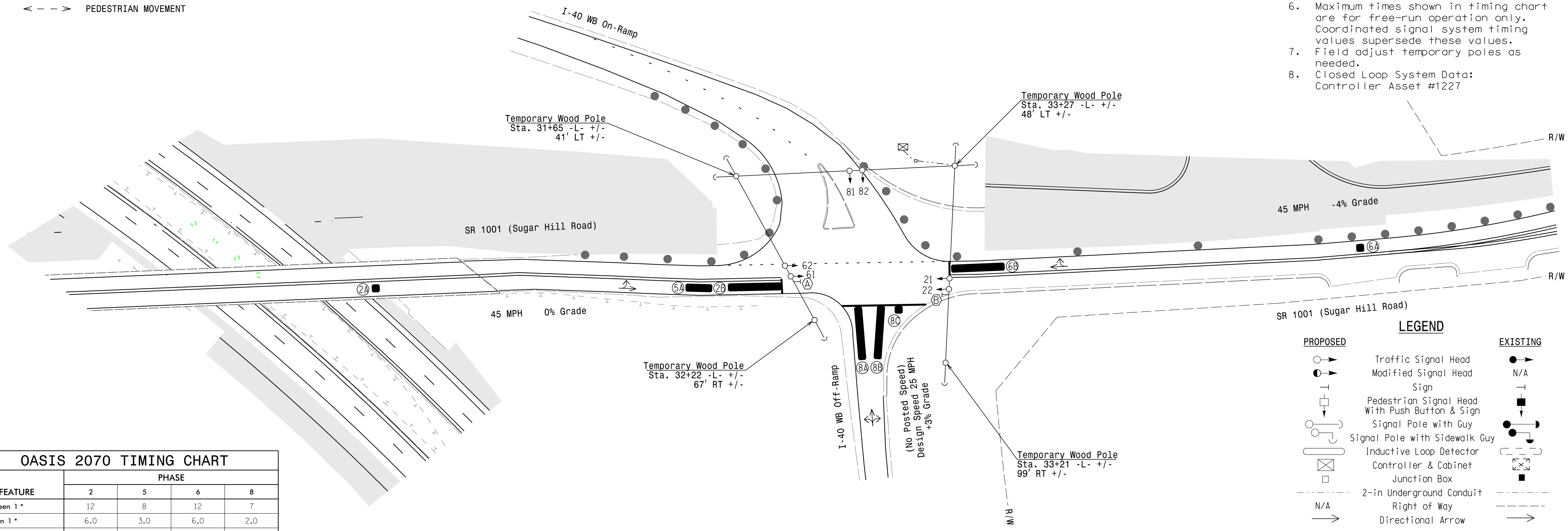
Table with columns: LOOP, SIZE (FT), DISTANCE FROM STOPBAR (FT), TURNS, NEW LOOP, PHASE, CALLING, EXTENSION, FULL TIME DELAY, STRETCH TIME, DELAY TIME, SYSTEM LOOP, NEW CARD.

*Video Detection Area. Camera locations should be confirmed in the field by the contractor in order to provide detection of the areas indicated.

3 Phase Fully Actuated SR 1001 (Sugar Hill Rd) CLS

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. 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. The cabinet should be designed to include an Auxiliary Output File for future use.
6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
7. Field adjust temporary poles as needed.
8. Closed Loop System Data: Controller Asset #1227



OASIS 2070 TIMING CHART

Timing chart table with columns: FEATURE, PHASE (2, 5, 6, 8), and rows for Min Green, Extension, Max Green, Yellow Clearance, Red Clearance, Red Revert, Walk, Don't Walk, Seconds Per Actuation, Max Variable Initial, Time Before Reduction, Time To Reduce, Minimum Gap, Recall Mode, Vehicle Call Memory, Dual Entry, Simultaneous Gap.

* 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

Legend table with columns: PROPOSED, EXISTING, and descriptions for traffic signal heads, modified signal heads, pedestrian signal heads, signal poles, detectors, cabinets, junction boxes, conduits, right of way, directional arrows, video detection areas, construction zones, drums, and signs.

Signal Upgrade Temporary Design 1 - TMP Phase I

Stantec logo and contact information: Stantec Consulting Services Inc., 801 Jones Franklin Road-Suite 300, Raleigh, NC 27606.

Professional Engineer Seal for Regina M. Muncey, State of North Carolina, License No. 43239.

Project information: SR 1001 (Sugar Hill Road) at I-40 Westbound Ramps, Division 13, McDowell County, Marion, NC. Plan date: January 2019.

Professional Engineer Seal for Regina M. Muncey, State of North Carolina, License No. 43239.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

2/5/2019 11:54:03 AM User: rmuncey