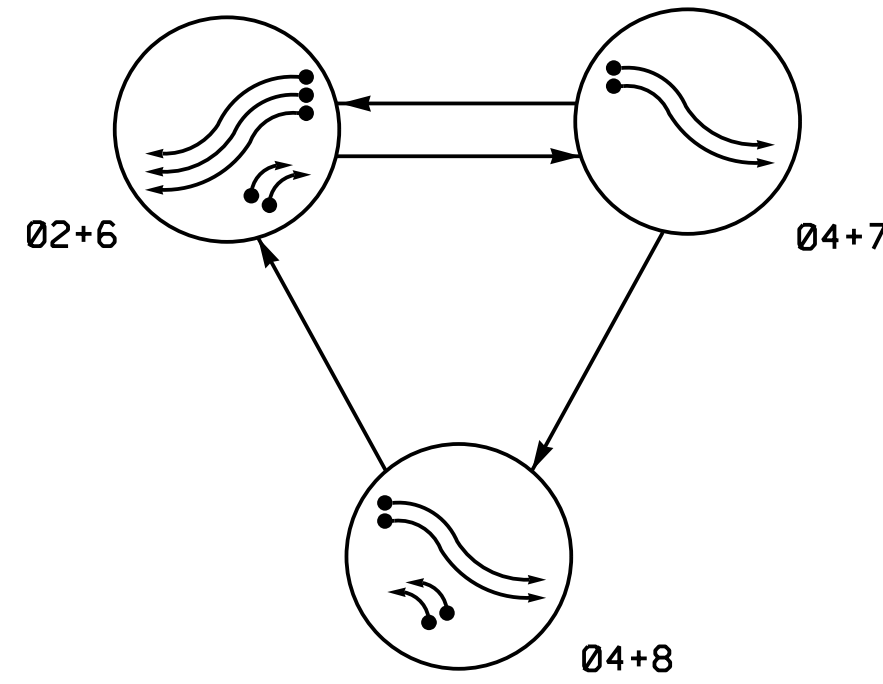


PHASING DIAGRAM

Program all phases for "Red Rest".



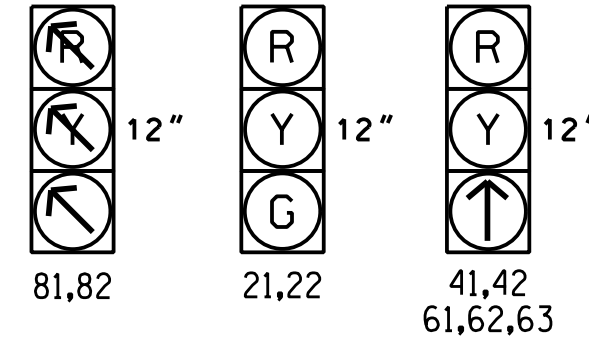
PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT (solid arrow with dot)
UNDETECTED MOVEMENT (OVERLAP) (solid arrow)
UNSIGNALIZED MOVEMENT (dotted arrow)
PEDESTRIAN MOVEMENT (dashed arrow)

TABLE OF OPERATION table with columns: SIGNAL FACE, PHASE (02+6, 04+7, 04+8, FLASH), and values for each signal face.

SIGNAL FACE I.D.

All Heads L.E.D.



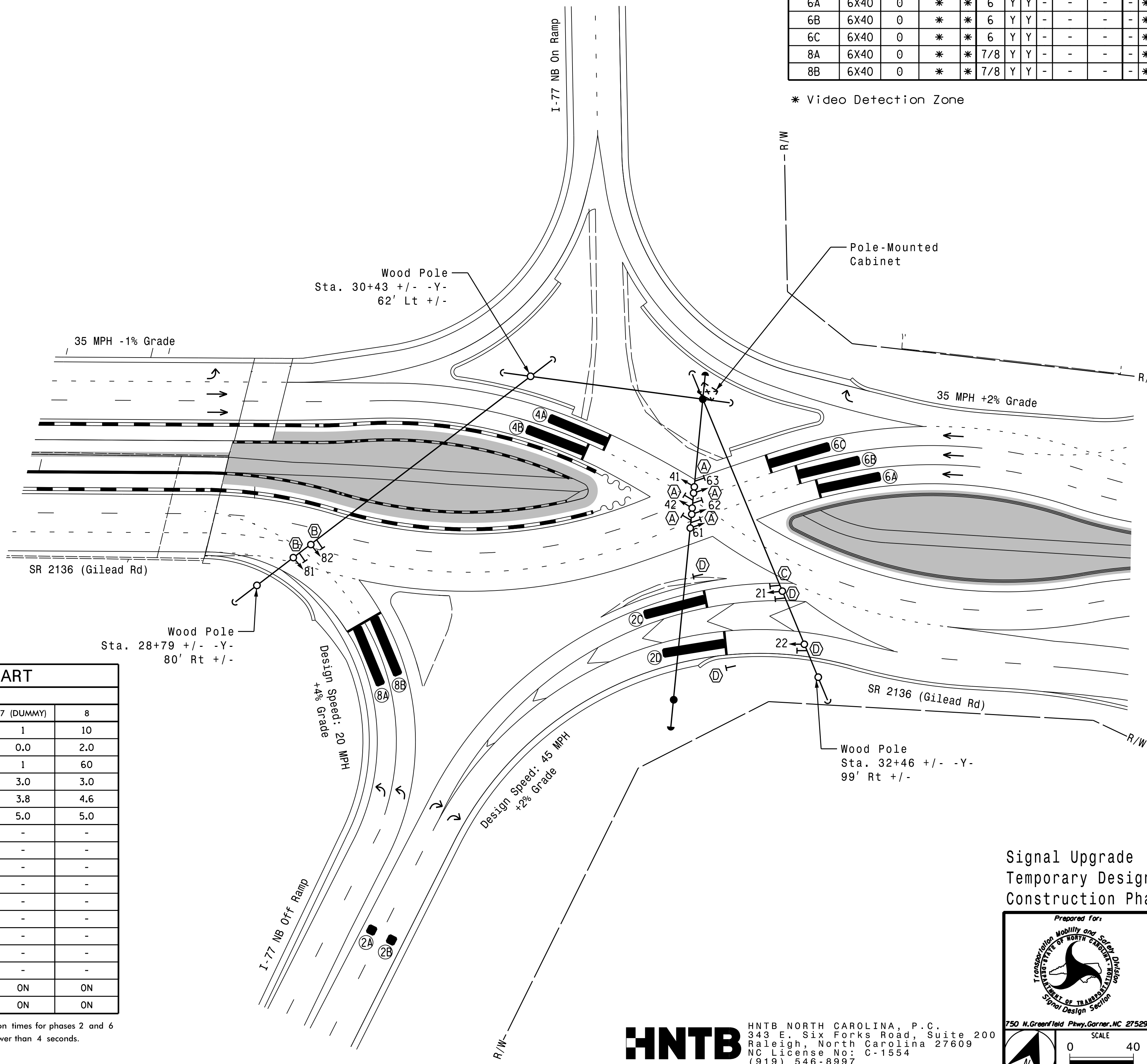
OASIS 2070E LOOP & DETECTOR INSTALLATION CHART table with columns: LOOP, SIZE (FT), DISTANCE FROM STOPBAR (FT), TURNS, NEW LOOP, PHASE, CALLING, EXTENSION, FULL TIME DELAY, STRETCH TIME, DELAY TIME, SYSTEM LOOP, NEW CARD.

\* Video Detection Zone

3 Phase Fully Actuated Gilead Road Closed Loop System

NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018...
2. Do not program signal for late night flashing operation...
3. Omit phase 8 during phase 2+6 on...
4. Program controller to clear from phase 2+6 to phase 8...
5. Omit phase 7 during phase 8 on...
6. Phase 7 provides red clearance time for vehicles traveling Westbound on Gilead Rd...
7. Set all detector units to presence mode...
8. Program all phases for "Red Rest"...
9. Incorporate Video Detection system for vehicle detection...
10. Provide the Engineer with the Manufacturer's approved Video Detection locations...
11. Maximum times shown in timing chart are for free-run operation only...
12. Closed loop system data: Controller Asset #1619



OASIS 2070E TIMING CHART table with columns: FEATURE, PHASE (2, 4, 6, 7 (DUMMY), 8), and timing values for various features like Min Green, Extension, Max Green, etc.

LEGEND table defining symbols for PROPOSED and EXISTING elements: Traffic Signal Head, Pedestrian Signal Head, Signal Pole, Inductive Loop Detector, Conduit, Arrows, Video Detection Zone, etc.

Signal Upgrade Temporary Design 3 Construction Phase IV

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Professional Engineer seal for W. Tasha R. Simmons, State of North Carolina, License No. 031464. Includes project title, location, and date.

HNTB logo and contact information: HNTB NORTH CAROLINA, P.C., 343 E. Six Forks Road, Suite 200, Raleigh, NC 27609.

\* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown.