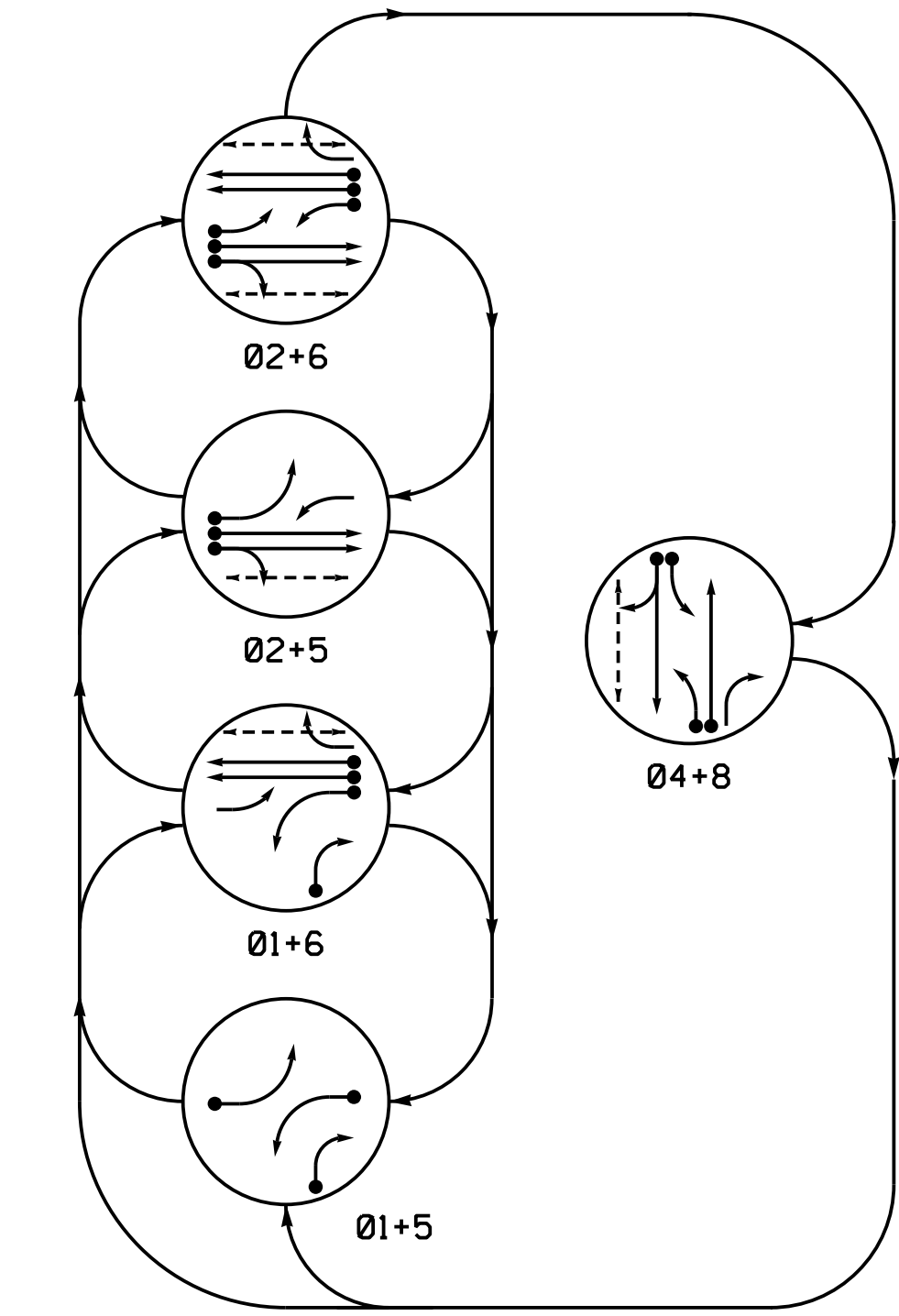


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM

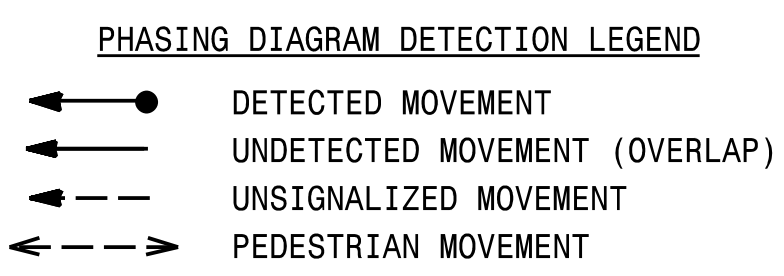
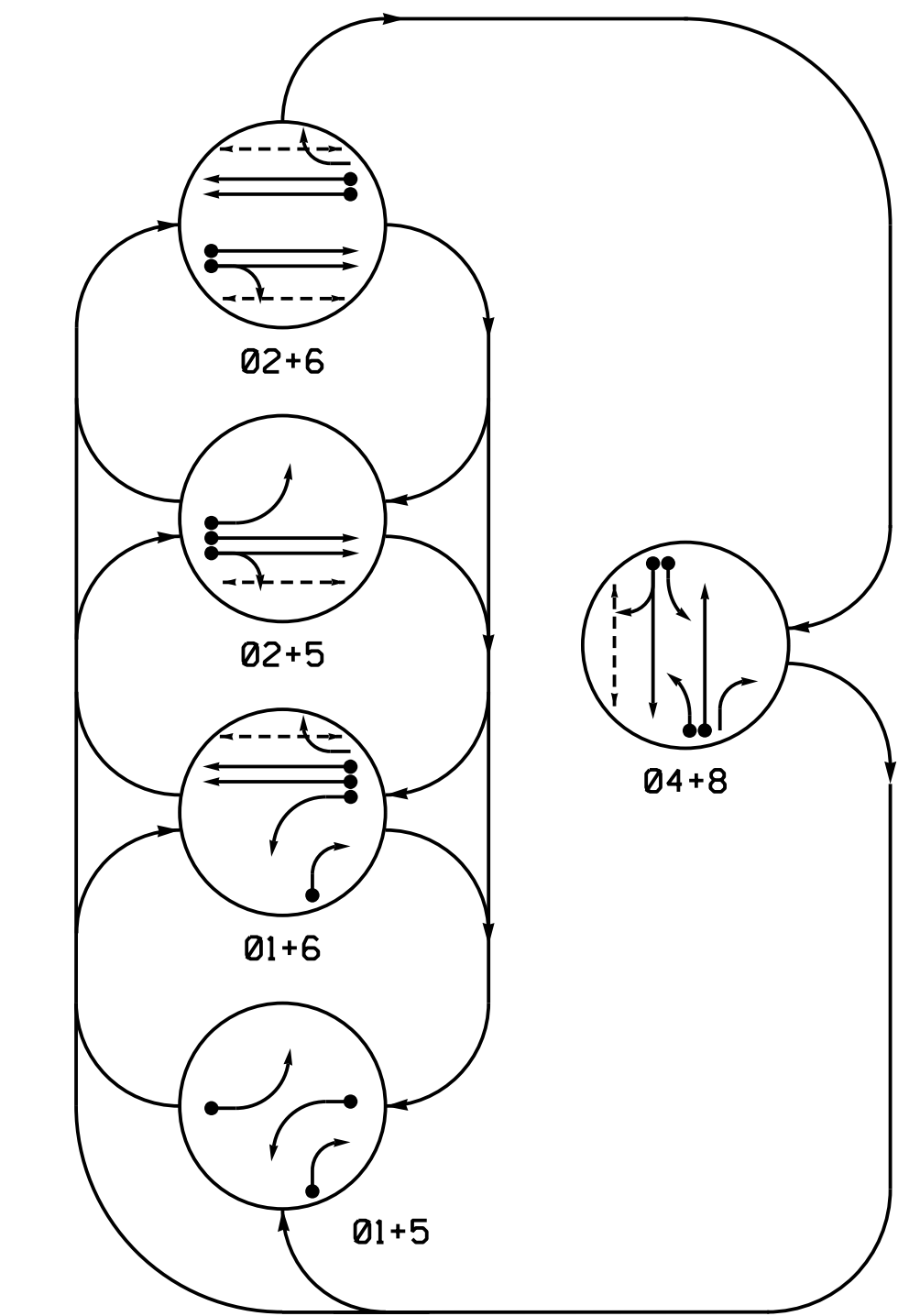


Table with 2 columns: SIGNAL FACE and PHASE. Rows include 11, 21,22, 41, 42,43, 51, 61,62, 63, 81, 82, 83, P21,P22, P41,P42, P61,P62.

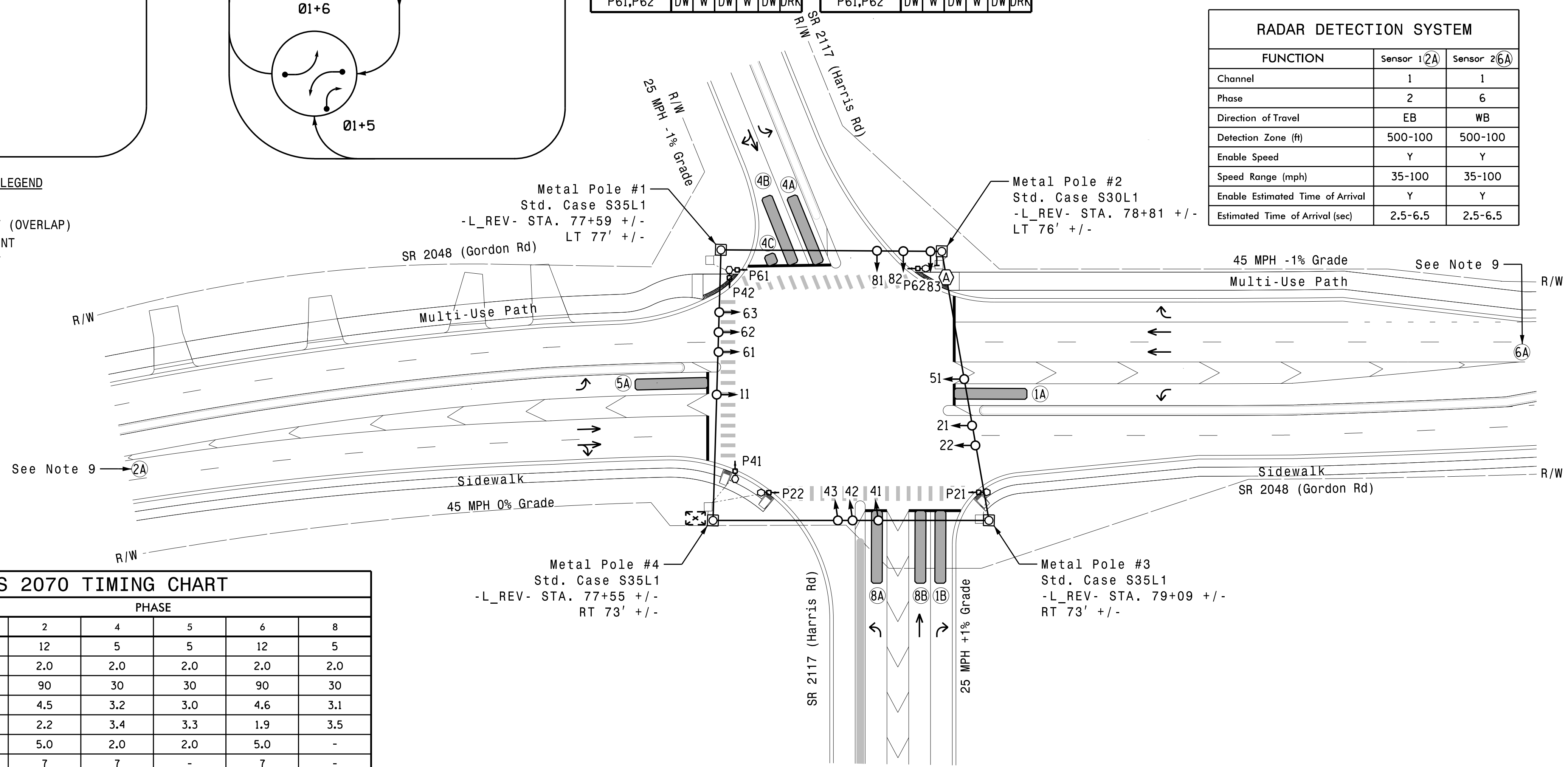
Table with 2 columns: SIGNAL FACE and PHASE. Rows include 11, 21,22, 41, 42,43, 51, 61,62, 63, 81, 82, 83, P21,P22, P41,P42, P61,P62.

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART with columns for ZONE, SIZE, DISTANCE, TURNS, NEW LOOP, PHASE, CALLING, EXTENSION, FULL TIME DELAY, STRETCH TIME, DELAY TIME, SYSTEM LOOP, NEW CARD.

* Multizone Microwave Detection
** Disable Delay During Alternate Phasing Operation.
Disable phase call for loop(s) during alternate phasing.

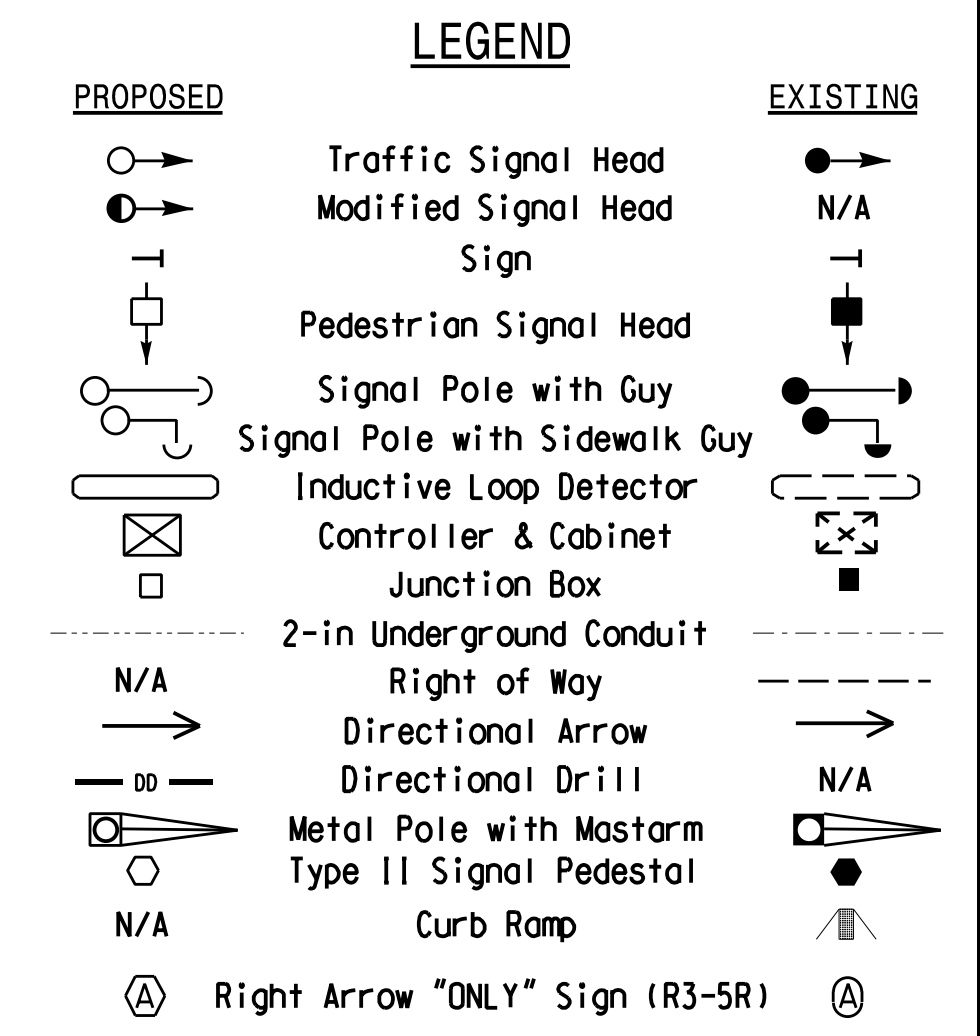
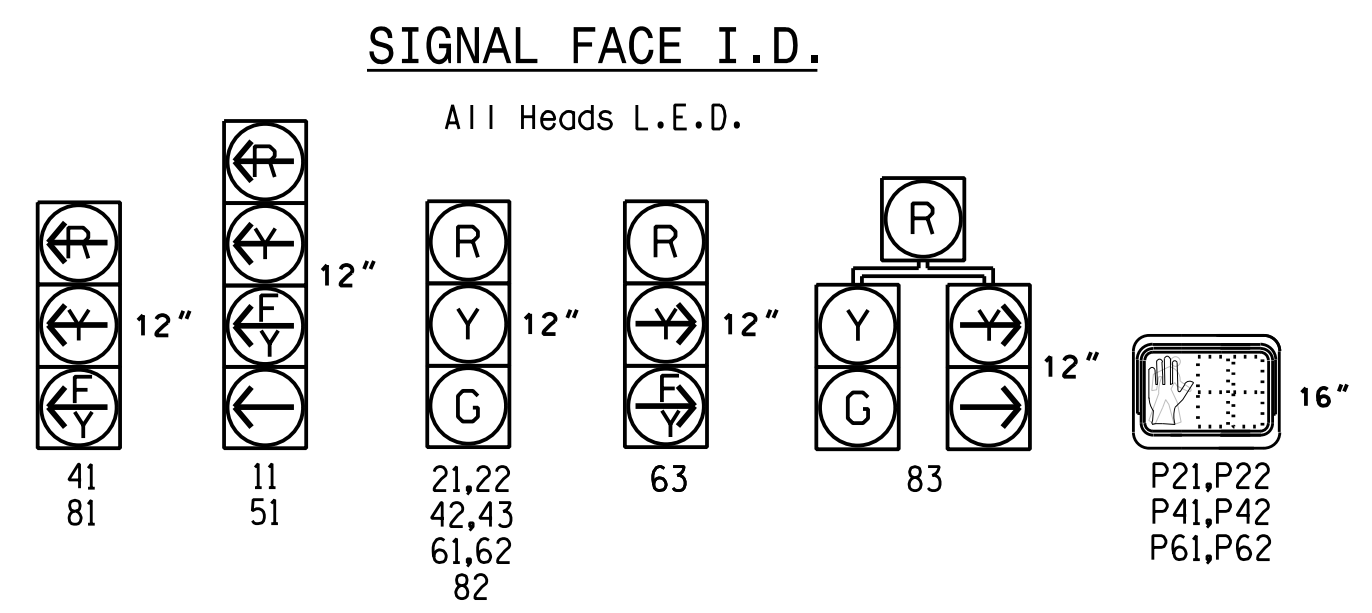
RADAR DETECTION SYSTEM table with columns for FUNCTION, Sensor 1(2A), Sensor 2(6A). Rows include Channel, Phase, Direction of Travel, Detection Zone, Enable Speed, Speed Range, Enable Estimated Time of Arrival, Estimated Time of Arrival.

- 5 Phase Fully Actuated Wilmington Signal System
NOTES
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phases 1 and/or 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. All pedestrian pushbuttons shall be located in the field by the Division Traffic Engineer before installation.
8. The Division (City) Traffic Engineer will determine the hours of use for each phasing plan.
9. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
10. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
11. Signal system data: Controller Asset #0840.



OASIS 2070 TIMING CHART table with columns for FEATURE and PHASE (1, 2, 4, 5, 6, 8). Rows include Min Green, Extension, Max Green, Yellow Clearance, Red Clearance, Red Revert, Walk, Don't Walk, Advanced 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.



Signal Upgrade - Final Design
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
SR 2048 (Gordon Rd) at SR 2117 (Harris Rd)
Division 3 New Hanover County Wilmington
PLAN DATE: May 2022 REVIEWED BY: N.K. Vlanich
PREPARED BY: E.E. Tiller REVIEWED BY: N.R. Simmons
HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554 (919) 546-8997
SCALE 0 40 1"=40'