

PHASING DIAGRAM

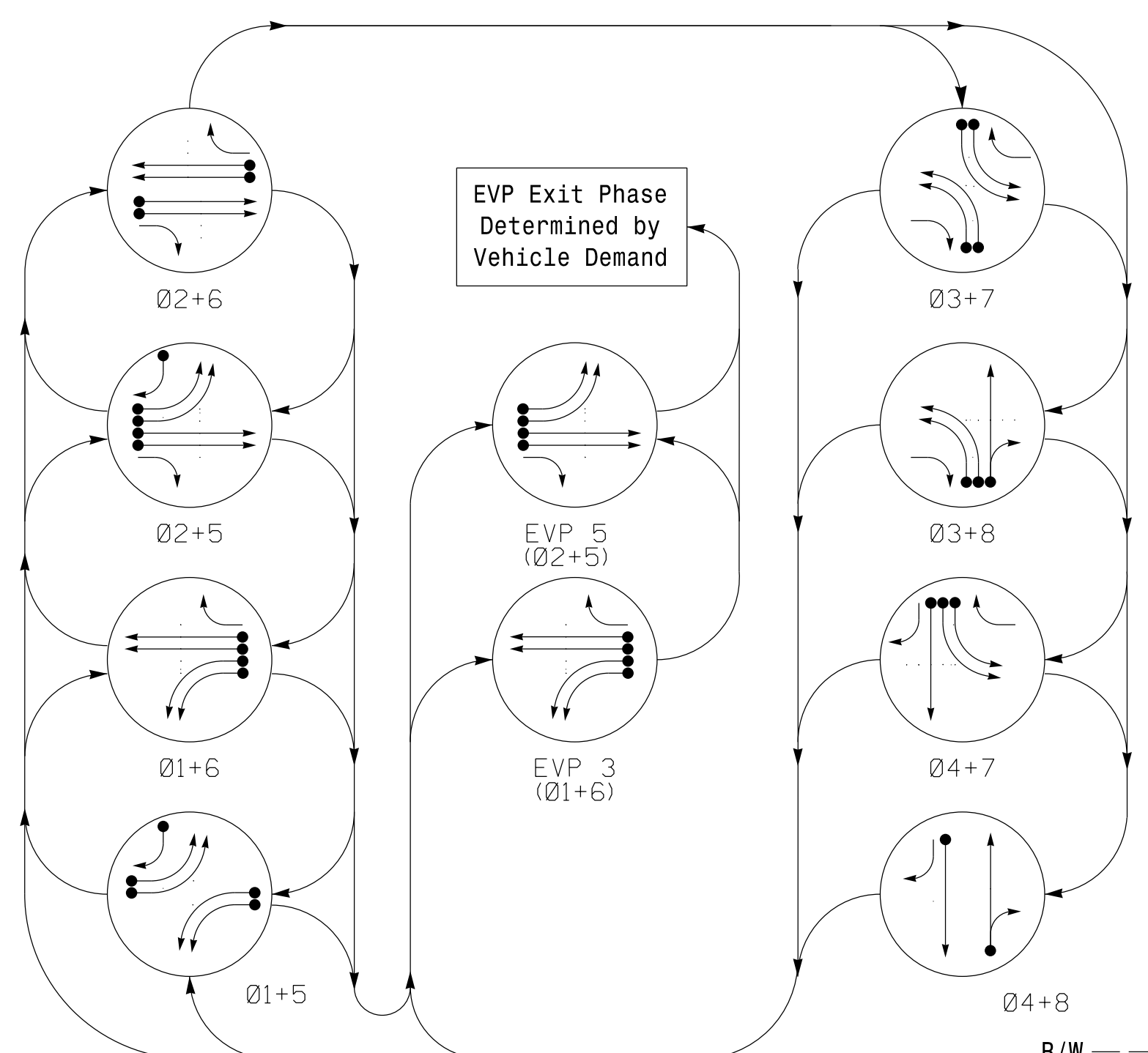
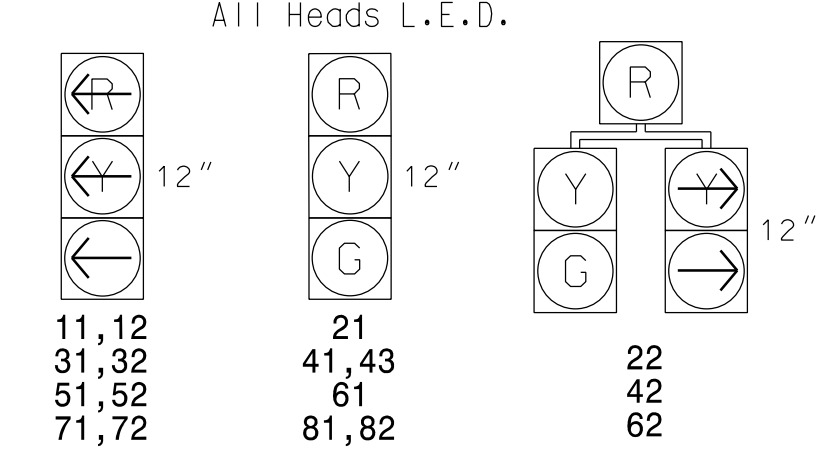


TABLE OF OPERATION table with columns for SIGNAL FACE, PHASE, and signal status (R, G, Y, etc.) for various signal faces like 11,12, 21, 22, etc.

SIGNAL FACE I.D.



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

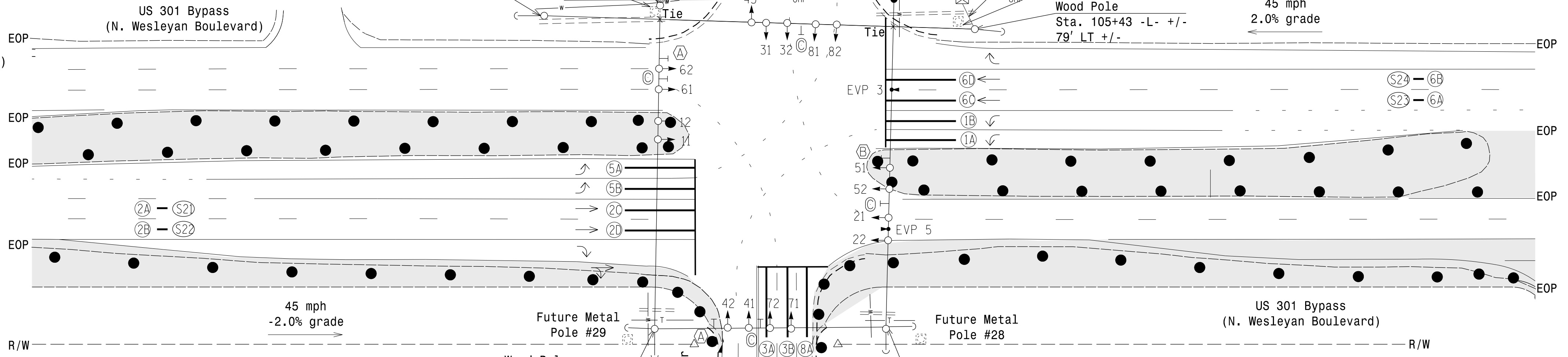
8 Phase W/ EV Preempt Fully Actuated Rocky Mount Signal System

NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Phase 3 and/or phase 7 may be lagged.
5. Set all loop emulators to presence mode.
6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
7. This intersection features an optical preemption system. Shown locations of optical detectors are conceptual only.
8. Relocate EVP 3 and EVP 5 detectors onto new span. Reuse existing Phase Selectors. See Project Special Provisions.
9. Maximum times shown in timing charts are for free-run operation only. Coordinated signal timing values supersede these values.

PHASING DIAGRAM DETECTION LEGEND

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



LEGEND

- PROPOSED: Right Arrow "ONLY" Sign (R3-5R), "U-TURN YIELD TO RIGHT TURN" Sign (R10-16), Street Sign, Construction Zone, Construction Zone Drums, UG Water Line, Drainage Pipe, UG Telephone Line, Overhead Power Line.
EXISTING: Traffic Signal Head, Modified Signal Head, Sign, Signal Pole with Guy, Signal Pole with Sidewalk Guy, Inductive Loop Detector, Controller & Cabinet, Junction Box, 2-in Underground Conduit, Right of Way, Directional Arrow, Emergency Vehicle Detector.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Signal Upgrade - Temporary Design 1 (Area 3 TMP Phase I & II)

OASIS 2070E TIMING CHART table with columns for FEATURE, PHASE (1-8), and timing values for Min Green, Extension, Max Green, etc.

2070 EV PREEMPT table with columns for FUNCTION, PRE 3, and PRE 5 values for various preemption functions like Interval 1 - Dwell Green, 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
** Program Timing on Optical Detection Unit

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Professional seal and signature block for Melissa B. Toth, North Carolina Professional Engineer, License No. 025892. Includes project details and date.

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