

PHASING DIAGRAM

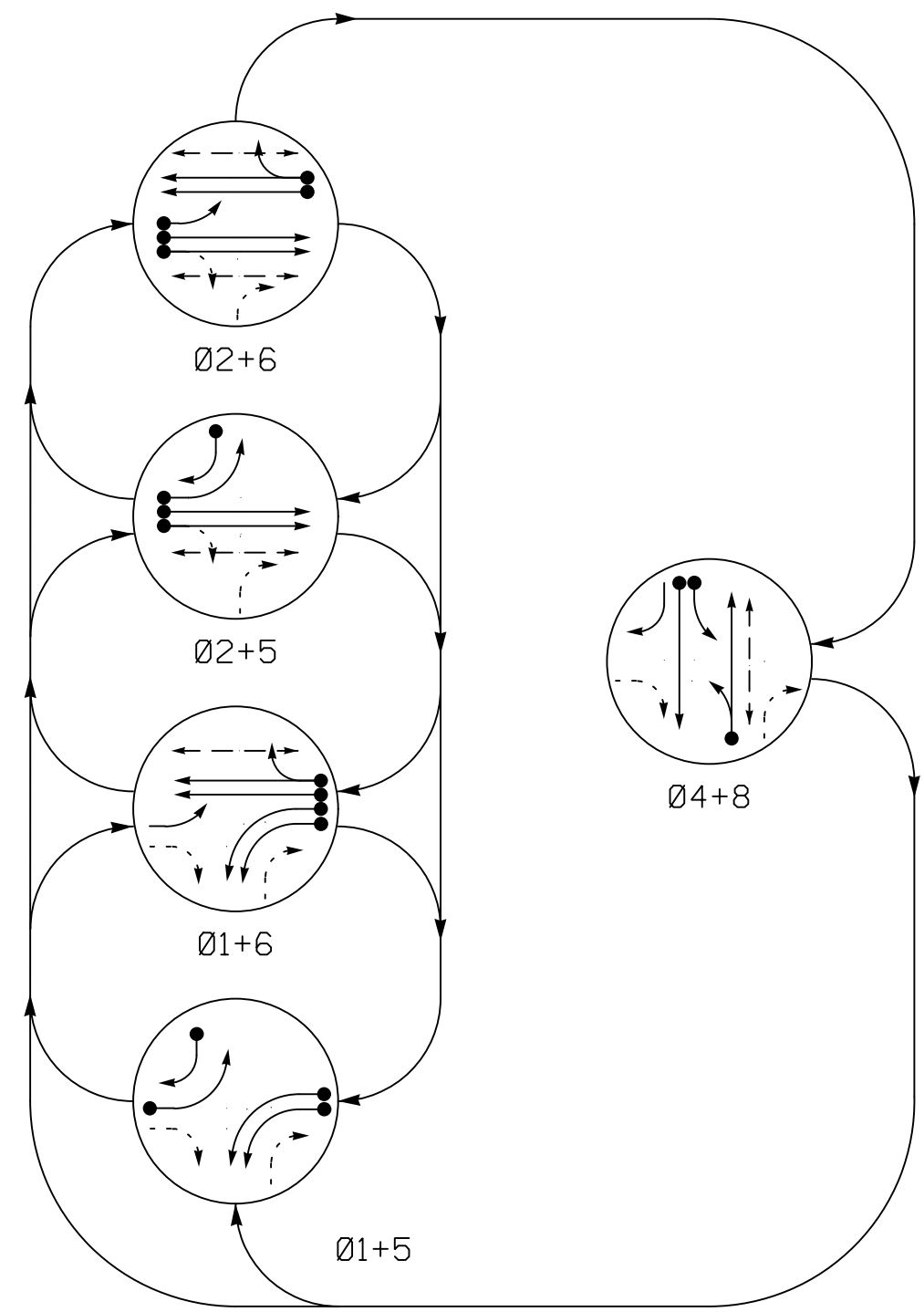
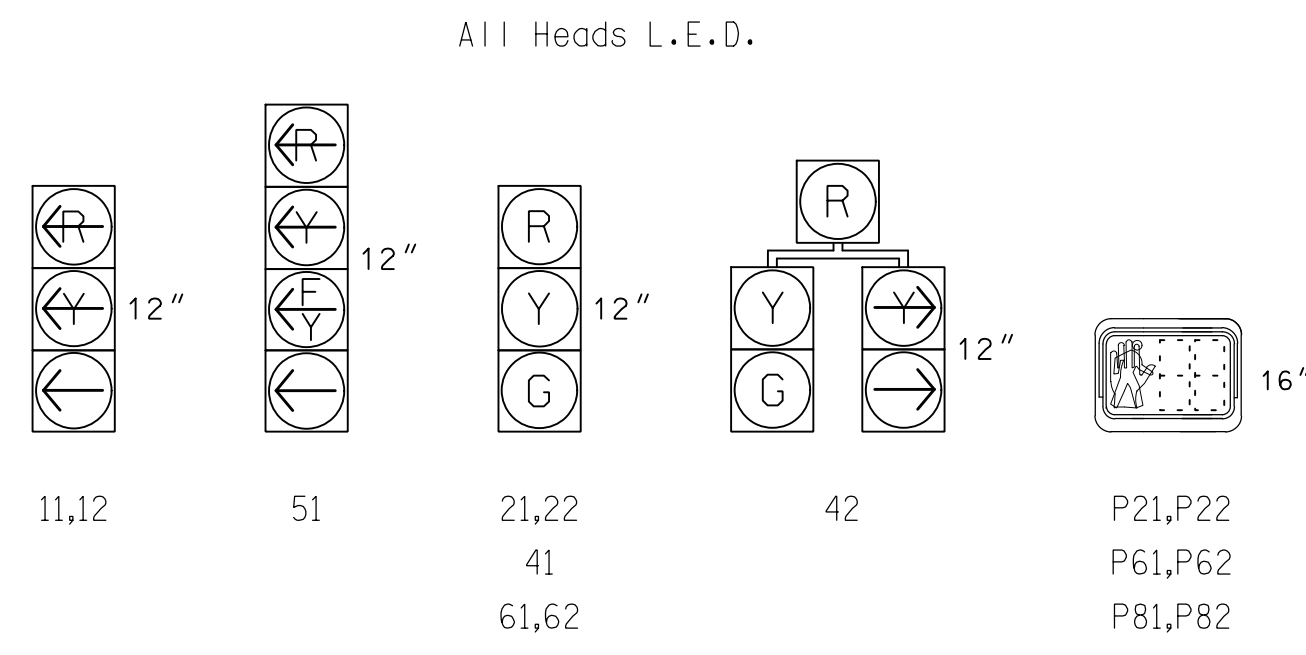


TABLE OF OPERATION table with columns for SIGNAL FACE, PHASE, and FLASH.

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, and NEW CARD.

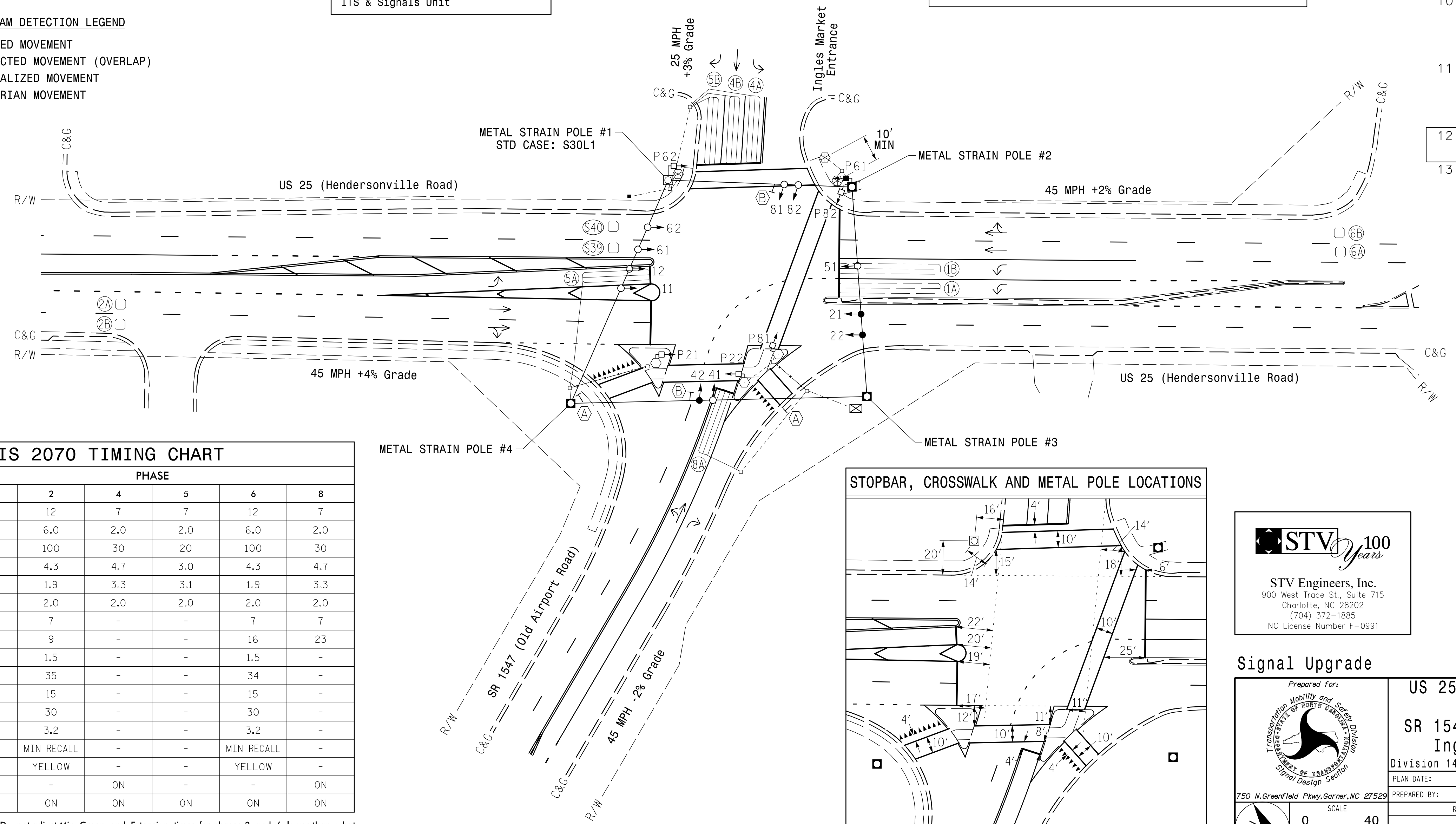
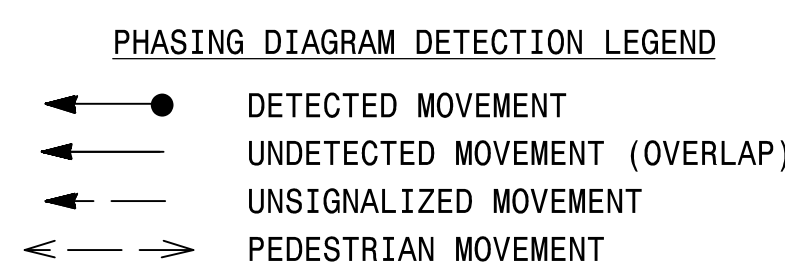
5 Phase Fully Actuated (Asheville Signal System)

NOTES

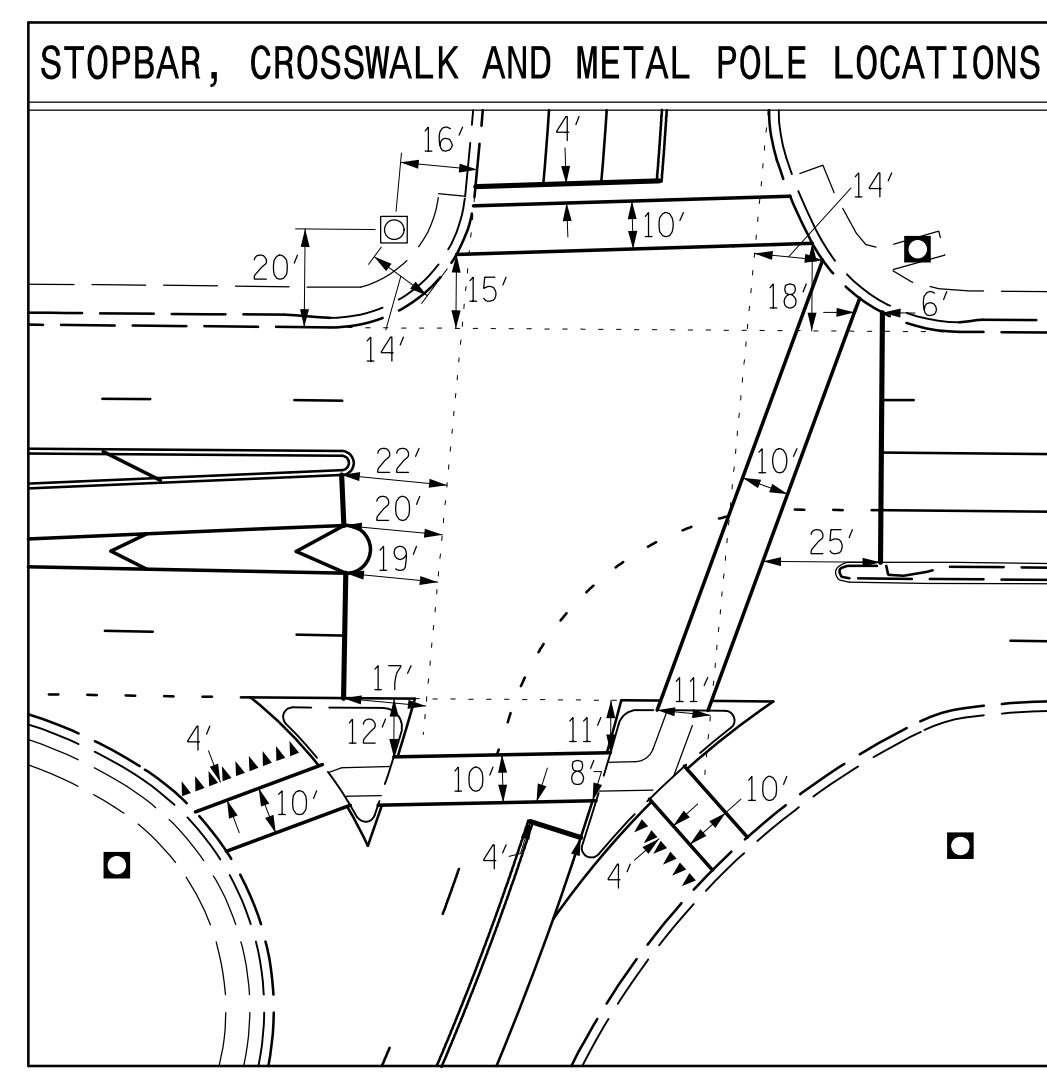
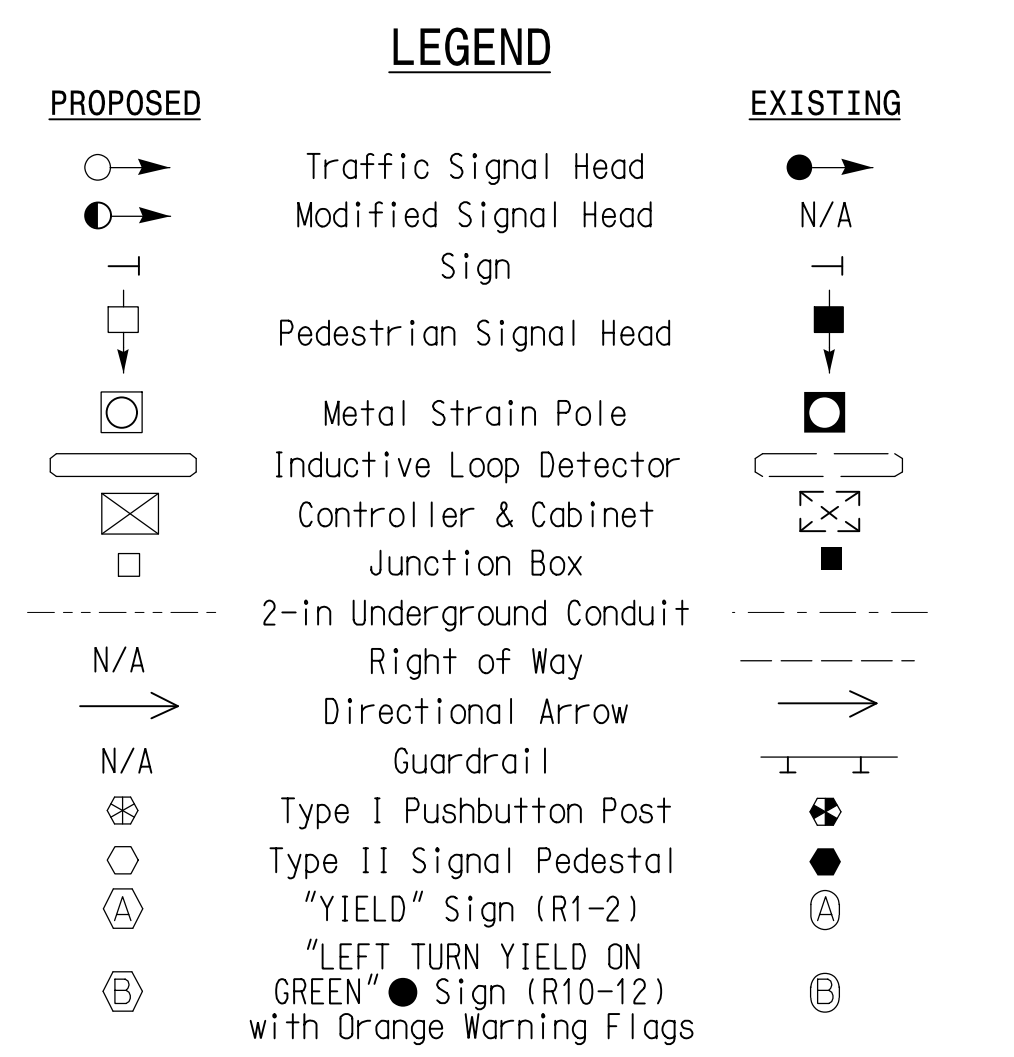
- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Reposition existing signal head numbered 42.
5. Set all detector units to presence mode.
6. In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
7. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
8. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
9. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
10. Thirty days after implementation of the revised signal operation, Sign B orange flags may be removed at the discretion of the Regional Traffic Engineer.
11. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
12. Coordination may be required with U-4715B (Asheville Signal System Upgrade) project.
13. Closed loop system data: Controller Asset #0048.

NC Dept of Transportation Division of Highways Final Drawing Date: 7/10/2018 R. N. Zinser ITS & Signals Unit

This plan supersedes the one signed and sealed on 2/15/2017.



OASIS 2070 TIMING CHART table with columns for FEATURE, PHASE (1-8), and timing values.



STV 100 Years logo and STV Engineers, Inc. contact information: 900 West Trade St., Suite 715, Charlotte, NC 28202, (704) 372-1885, NC License Number F-0991.

Signal Upgrade project information including STV logo, project name (US 25 at SR 1547), location (Henderson County, Fletcher), plan date (July 2018), reviewer (R Dubnicka), preparer (J Trueblood), and reviewer (J Carroll). Includes a seal for Justin S. Small, Professional Engineer, No. 030005, dated 7/10/2018.

* 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.