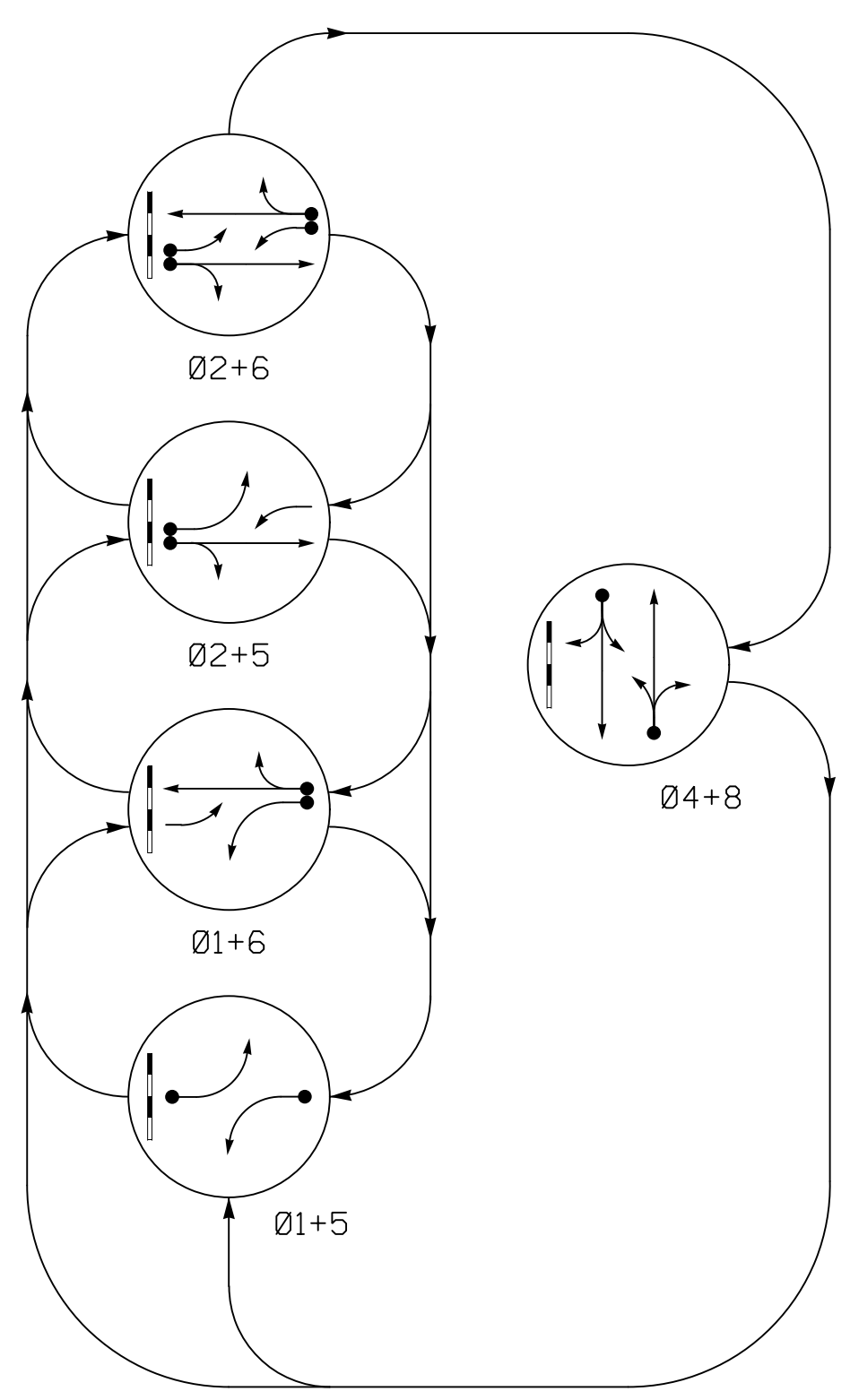


PHASING DIAGRAM



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

RAIL PREEMPT PHASES (High Priority)

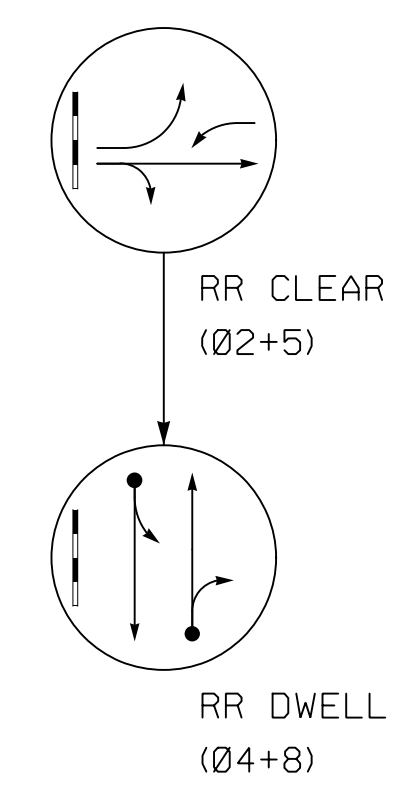
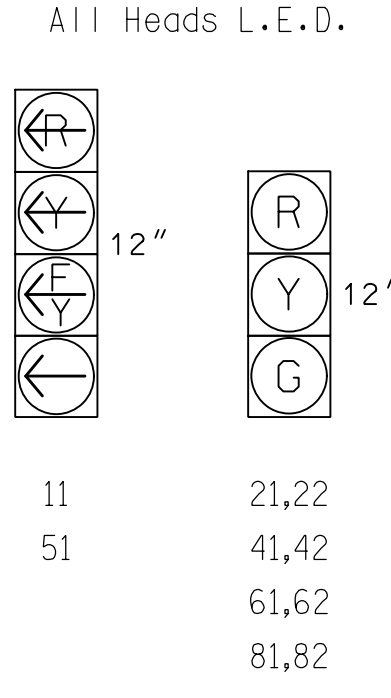


TABLE OF OPERATION

Table with columns for Signal Face, Phase, and various signal settings. Includes a note: *See note 7

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

Table with columns for Loop, Size (FT), Distance from Stopbar (FT), Turns, New Loop, Phase, Calling, Extension, Full Time Delay, Stretch Time, Delay Time, System Loop, and New Card.

5 Phase Fully Actuated With Railroad Preemption Isolated

NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. This location contains railroad preemption phasing. Do not program signal for late night flashing operation.
3. Phase 1 and/or phase 5 may be lagged.
4. Set all detector units to presence mode.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Pavement markings are existing.
7. Ensure flashing operation does not alter operation of blankout signs.
8. Program parent phases for Overlap "p" for all phases used in normal operation.

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

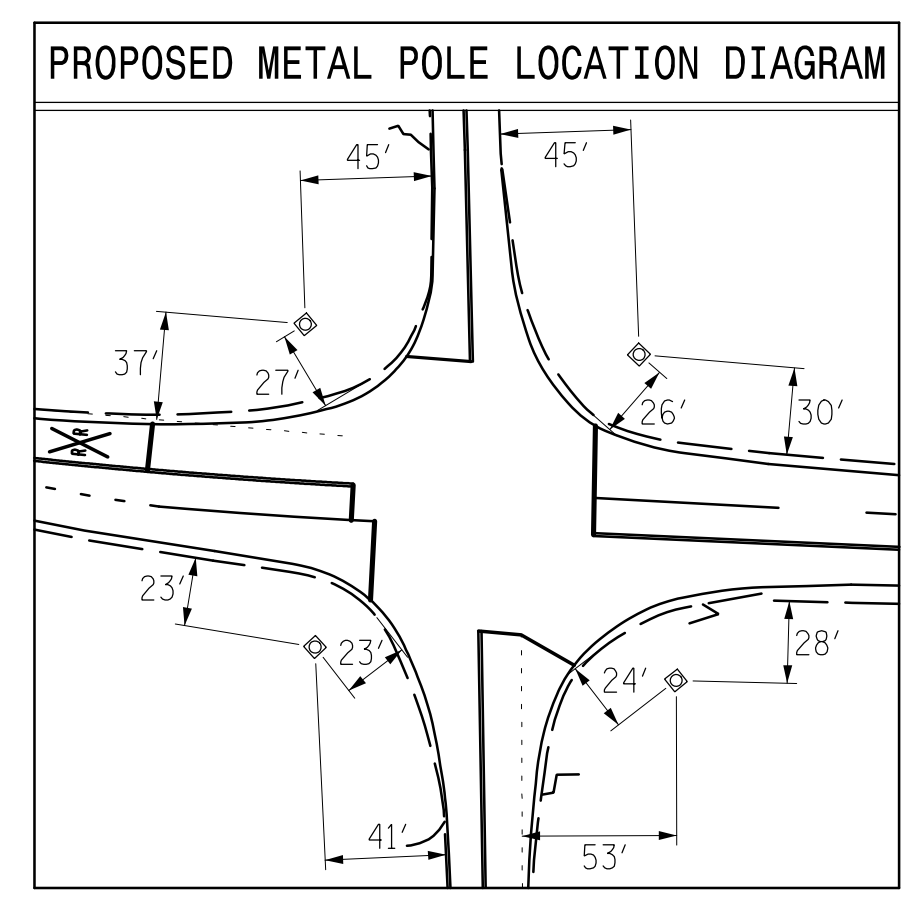
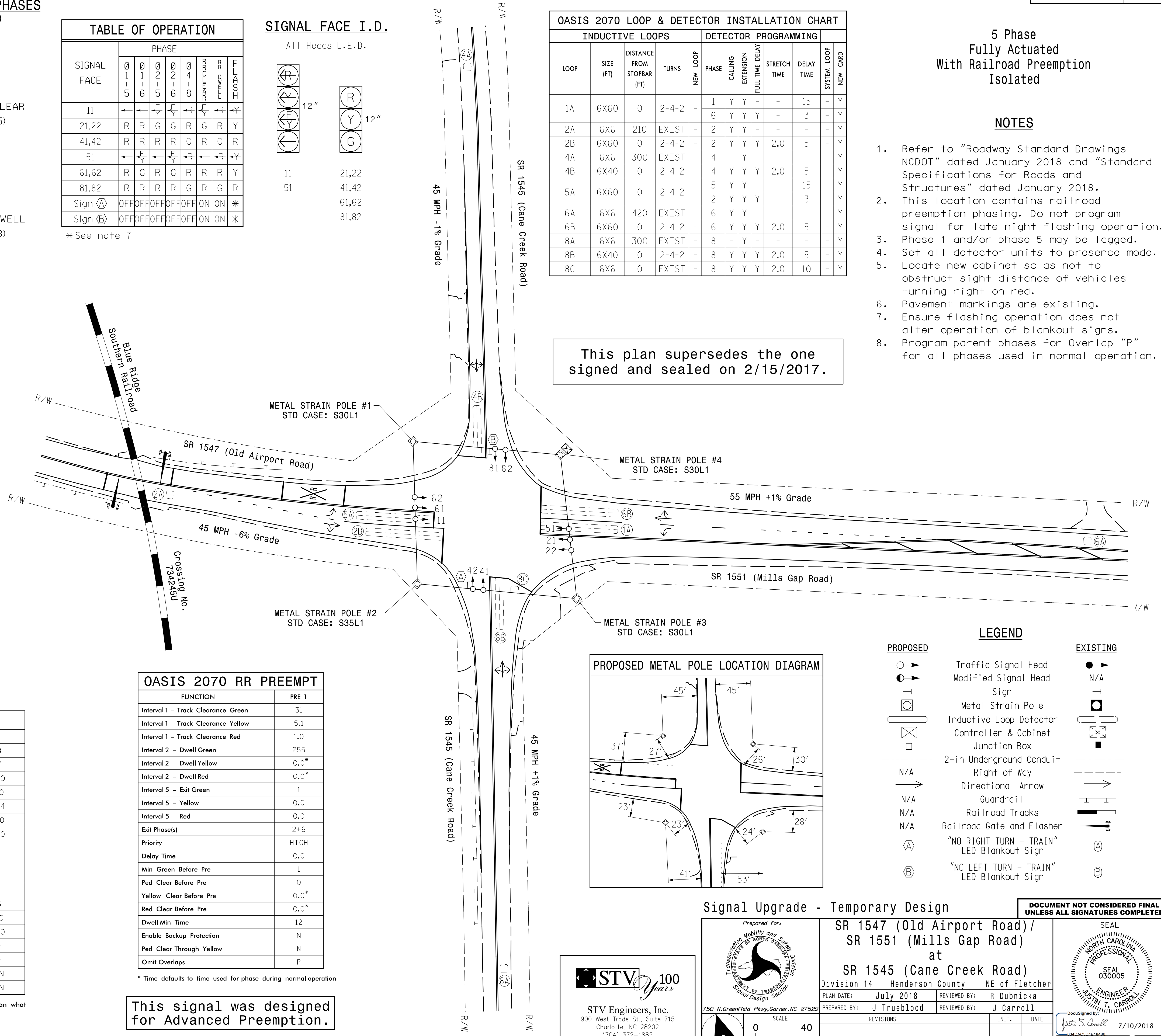
NC Dept of Transportation Division of Highways
Final Drawing Date: 7/10/2018
R. N. Zisen
IFS & Signals Unit

OASIS 2070 TIMING CHART
Table with columns for Feature, Phase (1, 2, 4, 5, 6, 8), and timing values for various signal features like Min Green, Extension, Max Green, etc.

OASIS 2070 RR PREEMPT

Table with columns for Function and Preempt Time (PRE 1). Lists intervals for Track Clearance Green, Dwell Green, Exit Green, etc.

This signal was designed for Advanced Preemption.



LEGEND
PROPOSED: Traffic Signal Head, Modified Signal Head, Sign, Metal Strain Pole, Inductive Loop Detector, Controller & Cabinet, Junction Box, 2-in Underground Conduit, Right of Way, Directional Arrow, Guardrail, Railroad Tracks, Railroad Gate and Flasher, "NO RIGHT TURN - TRAIN" LED Blankout Sign, "NO LEFT TURN - TRAIN" LED Blankout Sign.
EXISTING: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A.

Signal Upgrade - Temporary Design
STV Engineers, Inc.
SR 1547 (Old Airport Road)/ SR 1551 (Mills Gap Road) at SR 1545 (Cane Creek Road)
Division 14 Henderson County NE of Fletcher
PLAN DATE: July 2018 REVIEWED BY: R Dubnicka
PREPARED BY: J Trueblood REVIEWED BY: J Carroll
7/10/2018
1' = 40'