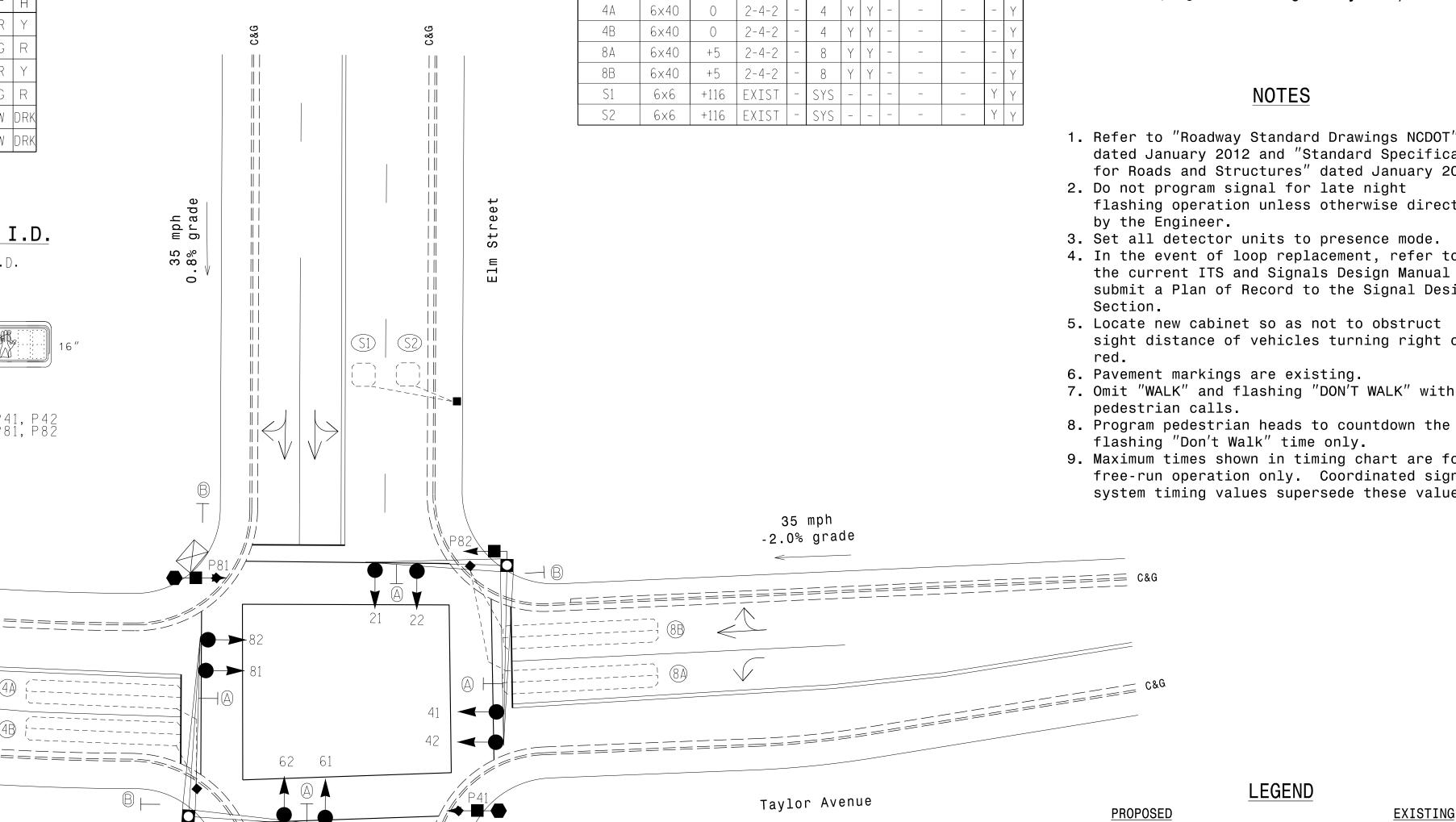
PROJECT REFERENCE NO. C-5558 Sig. 187.0

2 Phase Semi-Actuated (High Point 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. Set all detector units to presence mode.
- 4. 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
- 5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on
- 6. Pavement markings are existing.
- 7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- flashing "Don't Walk" time only.
- 9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

INDUCTIVE LOOPS

FROM

STOPBAR

DETECTOR PROGRAMMING

OASIS 2070 TIMING CHART **PHASE FEATURE** 8 Min Green 1 * 1.0 1.0 40 Max Green 1 * 30 4.0 4.1 3.8 Yellow Clearance 1.3 1.3 1.3 1.4 Red Clearance 2.0 Red Revert 2.0 2.0 2.0 4 Don't Walk 1 12 Seconds Per Actuation ' _ Max Variable Initial * -Time Before Reduction -Time To Reduce ' -Minimum Gap -MAX RECALL MAX RECALL Recall Mode Vehicle Call Memory ON

PHASING DIAGRAM

PHASING DIAGRAM DETECTION LEGEND

UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

DETECTED MOVEMENT

PEDESTRIAN MOVEMENT

Ø2+6

* 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

Metal poles with mast arms and pedestrian signals to be installed by others

TABLE OF OPERATION

SIGNAL

FACE

21, 22

41, 42

61, 62

81,82

W - Walk

DRK – Dark

41, 42

61,62

81, 82

Taylor Avenue

CH00T

35 mph 2.6% grade

ON

DW - Don't Walk

P41, P42 DW W DI

P81, P82 DW W D

SIGNAL FACE I.D.

All Heads L.E.D.

P41, P42 P81, P82

PHASE

mph gra

Sign Pedestrian Signal Head with Pushbutton & Sign Signal Pedestal Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector Controller & Cabinet Junction Box 2-in Underground Conduit N/A Right of Way Directional Arrow (A) (B) Street Name Sign

LEGEND

Traffic Signal Head

Modified Signal Head

School Sign (S1-1)

 \bigcirc

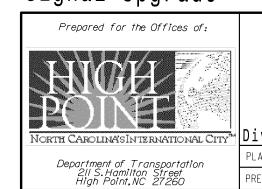
EXISTING

-

N/A

 \bigcirc

Signal Upgrade



Elm Street Taylor Avenue

Division 07 Guilford County April 2014 REVIEWED BY: MB Toth IW Berdeau REVIEWED BY: LM Moon

High Point REVISIONS INIT. DATE

025892

TKINS 1616 EAST MILLBROOK ROAD, SUITE 310 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

Melissa B. Toth
SIGNATURE

0/5/2015 SIG. INVENTORY NO.