U-4700 CC | Sig. 4.0

2 Phase Fully Actuated Isolated

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. Set all detector units to presence mode.
- 4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 5. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- 6. Refer to Roadway and/or Pavement Marking plans for stop bar locations.

LEGEND

Traffic Signal Head

Modified Signal Head

Sign

Pedestrian Signal Head

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

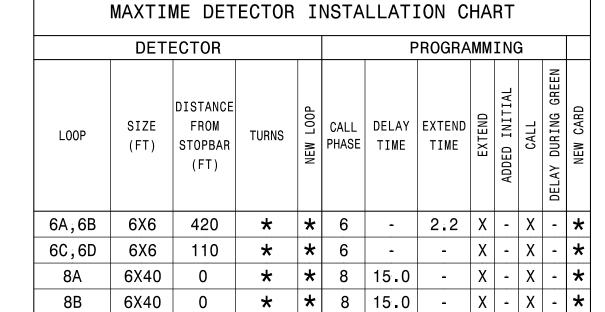
Video Detection Zone

Construction Zone

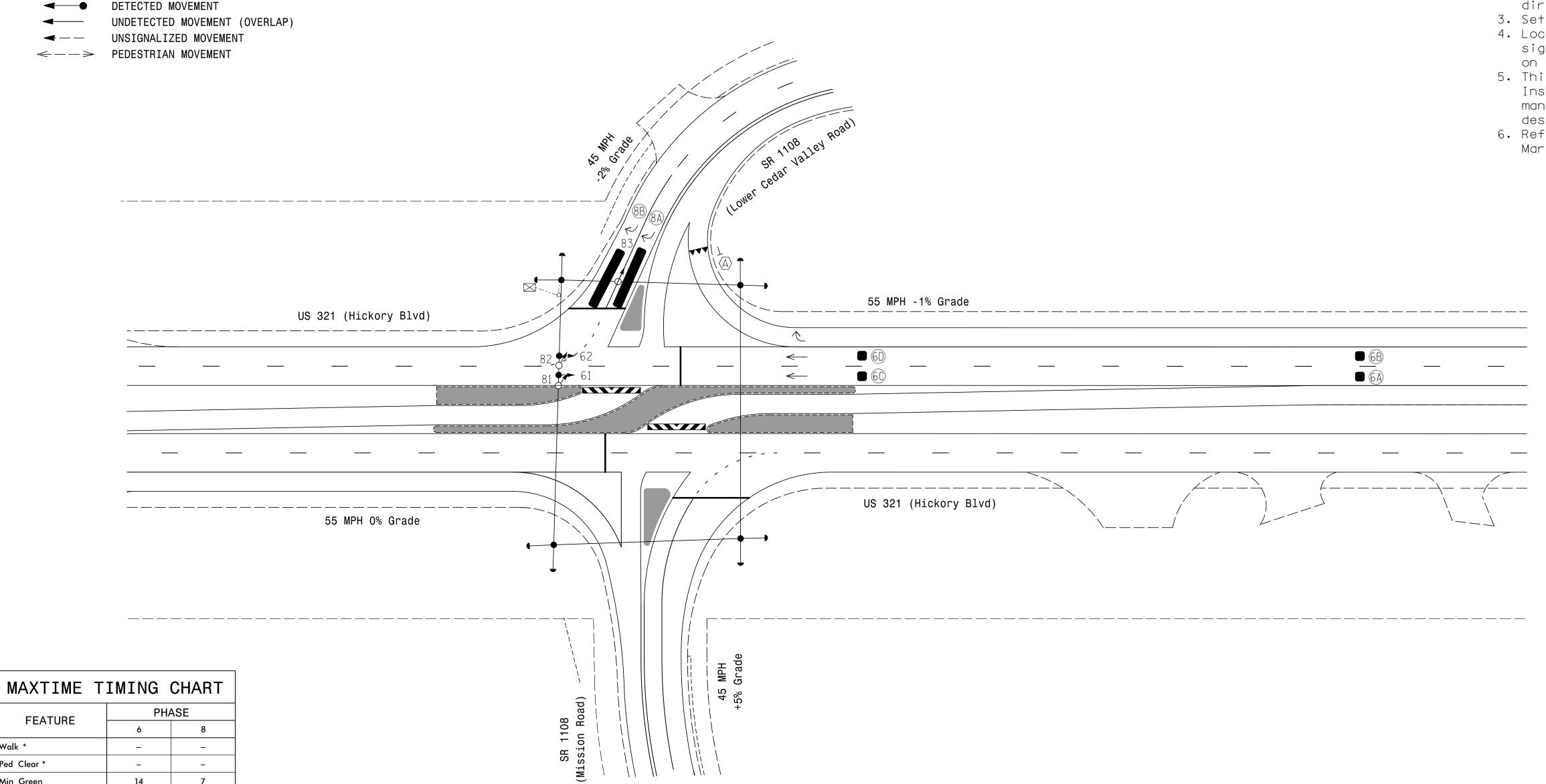
Type III Barricade

Yield Bars

"YIELD" Sign R1-2



★ Video Detection Zone



SIGNAL FACE I.D.

All Heads L.E.D.

81, 82, 83

TABLE OF OPERATION

SIGNAL

FACE

61, 62

81, 82, 83

PHASE

FEATURE Walk * Ped Clear * Min Green 2.0 2.0 Passage * 20 Max 1 * 3.0 Yellow Change 5.3 Red Clear 1.3 2.8 Added Initial * Maximum Initial * Time Before Reduction Time To Reduce Minimum Gap Advance Walk Non Lock Detector Vehicle Recall MIN RECALL

PHASING DIAGRAM

PHASING DIAGRAM DETECTION LEGEND

Ø6

what is shown. Min Green for all other phases should not be lower than 4 seconds.

Dual Entry

Signal Upgrade Temporary Design 2 - TMP Phase III



US 321 (Hickory Boulevard) NB SR 1108 (Mission Road)/

PROPOSED

N/A

SR 1108 (Lower Cedar Valley Rd) Division 11 Caldwell County Sept 2023 REVIEWED BY: D.J. Darity REVIEWED BY: T.M. Moody R. Leon REVISIONS INIT. DATE

Donald J. Davity

10/18/2023

DATE SIG. INVENTORY NO. 11-0066T2

EXISTING

N/A

N/A

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DOCUMENT NOT CONSIDERED

FINAL UNLESS ALL

SIGNATURES COMPLETED

STV Engineers, Inc. 900 West Trade St., Suite 715 Charlotte, NC 28202 (704) 372-1885

NC License Number F-0991

750 N.Greenfield Pkwy,Garner,NC 27529 PREPARED BY: 1"=40'