PROJECT REFERENCE NO. I-5972 |Sig. 2.0

## 3 Phase Fully Actuated (Isolated)

- 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 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.See TMP for pavement marking details.
- 7. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

NOTES

\* | \* | 6 | - | - | X | - | X | - | \* | \* |\*| 8 | - | - |X|-|X|-|\*| 6X40 0 \* VIDEO DETECTION ZONE

**DETECTOR** 

SIZE FROM

6X6

6X40

2Α

5A

(FT) STOPBAR

70

MAXTIME DETECTOR INSTALLATION CHART

TURNS

PROGRAMMING

S CALL DELAY EXTEND

PHASING DIAGRAM DETECTION LEGEND

PHASING DIAGRAM

DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT ←−−−→ PEDESTRIAN MOVEMENT

SIGNAL FACE I.D.

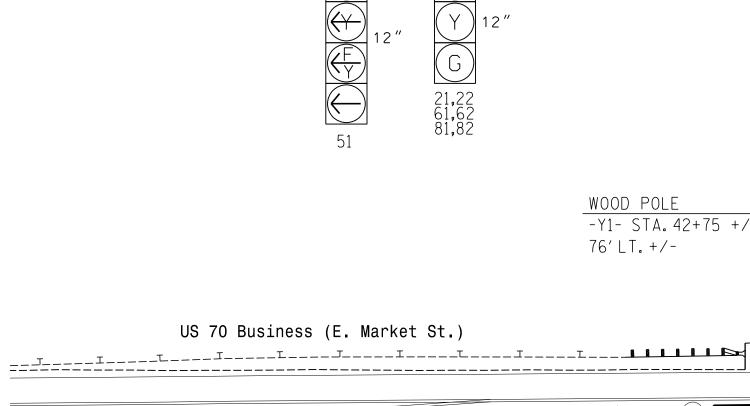
All Heads L.E.D.

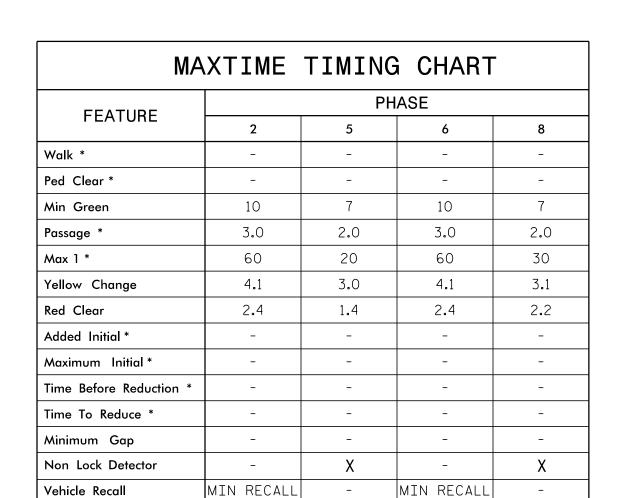
TABLE OF OPERATION

SIGNAL

FACE

PHASE





\* These values may be field adjusted. Do not adjust Min Green and Passage times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds

WOOD POLE WOOD POLE -Y1- STA. 43+71 +/--Y1- STA. 42+75 +/-66′ LT. +/-76′LT.+/-· Annie 35 Mph +2% Grade Oo mpn 35 Mph -4% Grade US 70 Business (E. Market St.)  $\boxtimes$ WOOD POLE -Y1- STA.42+45 +/-66' RT. +/-WOOD POLE -Y1- STA.43+77 +/-85′RT.+/-

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<u>PROPOSED</u> **EXISTING** Traffic Signal Head **●**→ Modified Signal Head N/A Sign Pedestrian Signal Head With Push Button & Sign 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 No Right Turn Sign (R3-1) No Left Turn Sign (R3-2) "YIELD" Sign (R1-2) Construction Zone Drums Construction Zone Video Detection Area

Barricades

Portable Concrete Barrier

**LEGEND** 

New Location - Temp Design 1 - TMP Phase II Steps 1-2

US 70 Business (E. Market St.) I-95 NB Ramps

Division 04 Johnston County PLAN DATE: September 2023 REVIEWED BY: DT Sears

Smithfield 750 N.Greenfield Pkwy, Garner, NC 27529 PREPARED BY: WP Erickson-Jones REVIEWED BY: SIG. INVENTORY NO. 04-1453T

OTH CARO OFESSION. 044558 David / Siars

DOCUMENT NOT CONSIDERED

FINAL UNLESS ALL

SIGNATURES COMPLETED

Dual Entry