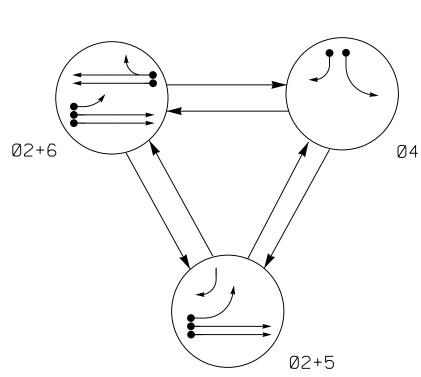
PROJECT REFERENCE NO. Sig. 32.0 U-5942

PHASING DIAGRAM



| TABLE OF OPERATION | | | | | |
|--------------------|---------------|------|-------------|----------|--|
| | PHASE | | | | |
| SIGNAL FACE | ØN+15 | Ø2+6 | Ø 4 | エロひエ | |
| 21,22 | G | G | R | Υ | |
| 41 | R | R | G | R | |
| 42 | $\mathbb{R}/$ | R | G | R | |
| 51 | + | 누 | | → | |
| 61,62 | R | G | R | Υ | |

| ASC/3 DETECTOR INSTALLATION CHART | | | | | | | | | | | | |
|-----------------------------------|---------------|-------------------------------------|-------|----------|-------------|---------|----------------|---------------|-------------------------|------|-------------|----------|
| | DETE | CTOR | | | PROGRAMMING | | | | | | | |
| LOOP | SIZE (FT) | DISTANCE FROM STOPBAR (FT) | TURNS | NEW LOOP | PHASE | CALLING | EXTEND TIME | DELAY TIME | USE ADDED INITIAL | TYPE | SYSTEM LOOP | NEW CARD |
| 2·A | 6X6 | 300 | EXIST | - | 2 | Yes | - | - | Χ | N | - | Χ |
| 2B | 6X6 | 300 | EXIST | _ | 2 | Yes | 1 | - | Χ | N | - | Χ |
| 4·A | 6X·40 | +.5 | 2-4-2 | _ | 4 | Yes | _ | 3 | _ | S | - | Χ |
| 5 A | 5A 6X40 +5 2- | 2-4-2 | | 5 | Yes | _ | 15 | _ | S | - | Χ | |
| O A O A 40 +3 | | | 2-4-2 | 2-4-2 | - | 2 | Yes | - | 3 | _ | G | - |
| 5B | 6X·40 | +.5 | 2-4-2 | _ | 1 | Yes | - | 10 | _ | S | - | Χ |
| 6A/S1 | 6X6 | 300 | EXIST | _ | 6 | Yes | - | _ | Χ | N | Χ | Χ |
| 6A/S2 | 6X6 | 300 | EXIST | - | 6 | Yes | | | Χ | N | Χ | Χ |

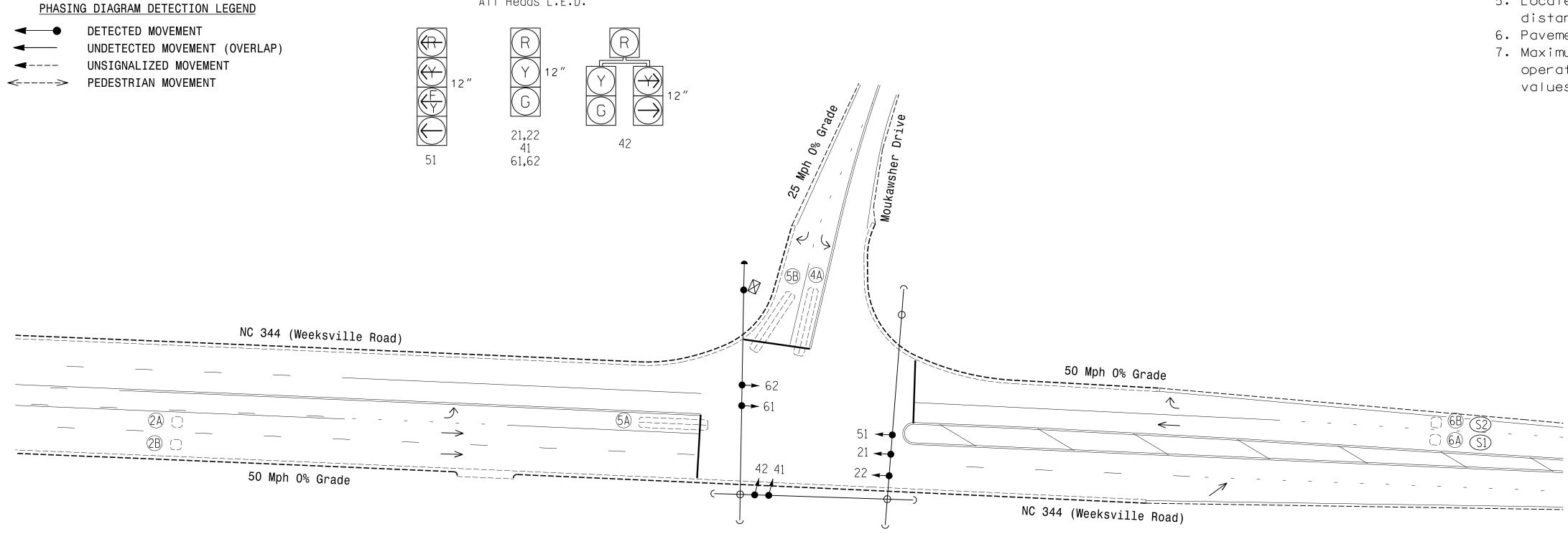
3 Phase Fully Actuated (Elizabeth City Signal System)

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 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. Maximum times shown in chart are for free-run operation only. Coordinated signal system timing values supersede these values.

SIGNAL FACE I.D.

All Heads L.E.D.



| ASC/3 TIMING CHART | | | | | | |
|-------------------------|-------------|-----|-----|-------------|--|--|
| | PHASE | | | | | |
| FEATURE | 2 | 4 | 5 | 6 | | |
| Min Green * | 14 | 7 | 7 | 14 | | |
| Walk * | - | - | - | - | | |
| Ped Clear | - | - | - | - | | |
| Veh. Extension * | 6.0 | 2.0 | 2.0 | 6.0 | | |
| Max 1 * | 100 | 20 | 30 | 100 | | |
| Yellow | 4.8 | 3.0 | 3.0 | 4.8 | | |
| Red Clear | 1.5 | 2.1 | 2.4 | 1.5 | | |
| Actuations B4 Add * | 0 | - | - | 0 | | |
| Seconds /Actuation * | 1.5 | - | - | 1.5 | | |
| Max Initial * | 34 | - | - | 34 | | |
| Time Before Reduction * | 15 | - | - | 15 | | |
| Time To Reduce * | 50 | - | - | 50 | | |
| Minimum Gap | 3.0 | - | - | 3.0 | | |
| Locking Detector | Х | - | - | Х | | |
| Recall Position | VEH. RECALL | - | - | VEH. RECALL | | |
| Dual Entry | - | - | - | - | | |
| Simultaneous Gap | Х | Χ | X | Х | | |

* 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

| LEGEND | | | | | |
|----------------------------------|---|-------------------|--|--|--|
| <u>PROPOSED</u> | | <u>EXISTING</u> | | | |
| \bigcirc | Traffic Signal Head | | | | |
| | Modified Signal Head | N/A | | | |
| \dashv | Sign | \dashv | | | |
| | Pedestrian Signal Head With Push Button & Sign | • | | | |
| $\bigcirc \hspace{1cm} \bigcirc$ | Signal Pole with Guy | • | | | |
| S | ignal Pole with Sidewalk Gu | ıy | | | |
| | Inductive Loop Detector | | | | |
| | Controller & Cabinet | × | | | |
| | Junction Box | | | | |
| | 2-in Underground Conduit | | | | |
| N/A | Right of Way | | | | |
| \longrightarrow | Directional Arrow | \longrightarrow | | | |

Signal Upgrade

NC 344 (Weeksville Road) Moukawsher Drive (Entrance to USCGS)

Division 1 Pasquotank County Elizabeth City PLAN DATE: September 2018 REVIEWED BY:

DTSears REVIEWED BY: INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLANS PREPARED BY: O N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: RALEIGH, NORTH CAROLINA 27609-3960 NC LICENSE NO. F-0112 • (919) 878-9560