

UNDETECTED MOVEMENT (OVERLAP)

DETECTED MOVEMENT

<--> PEDESTRIAN MOVEMENT

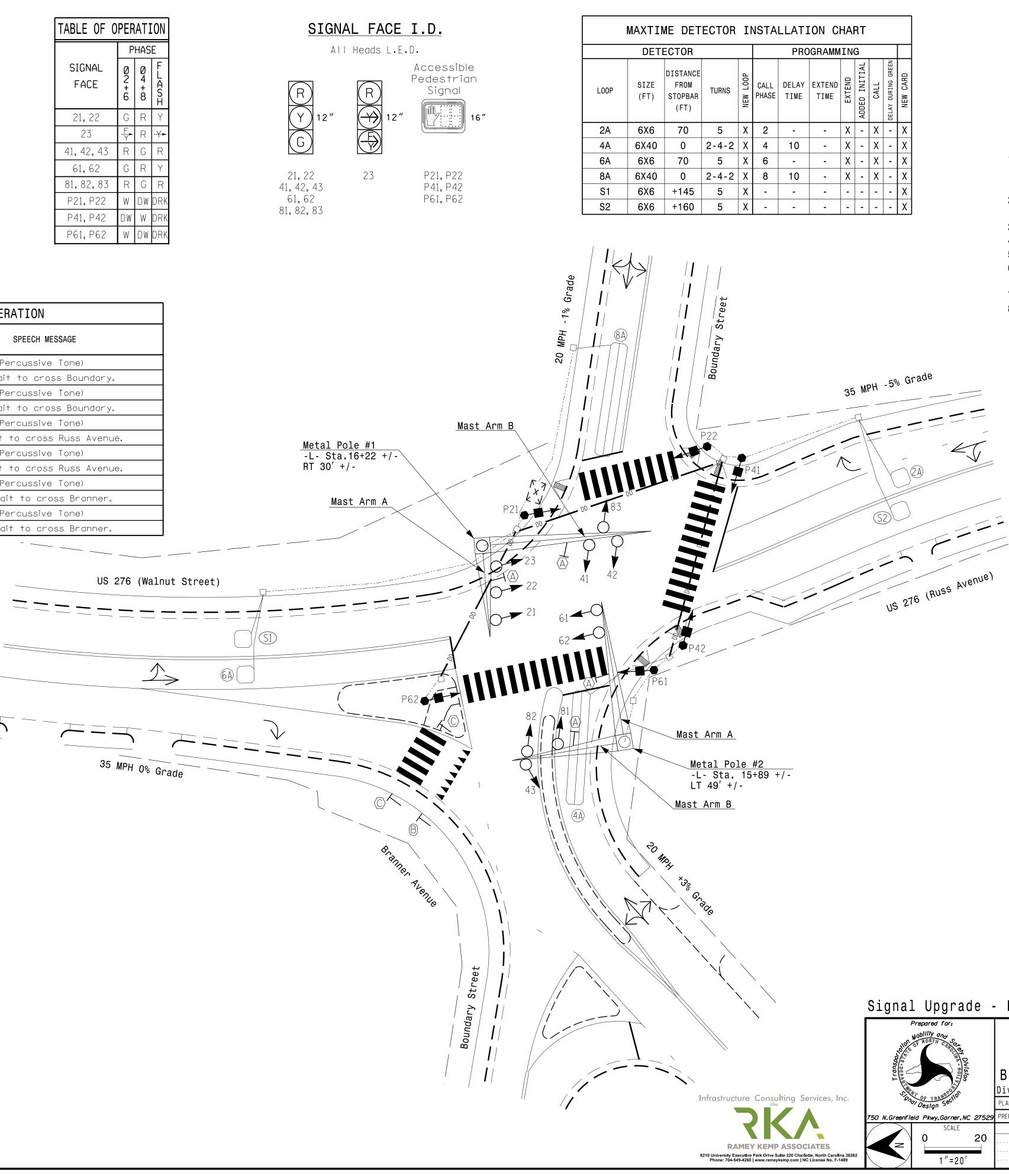
UNSIGNALIZED MOVEMENT

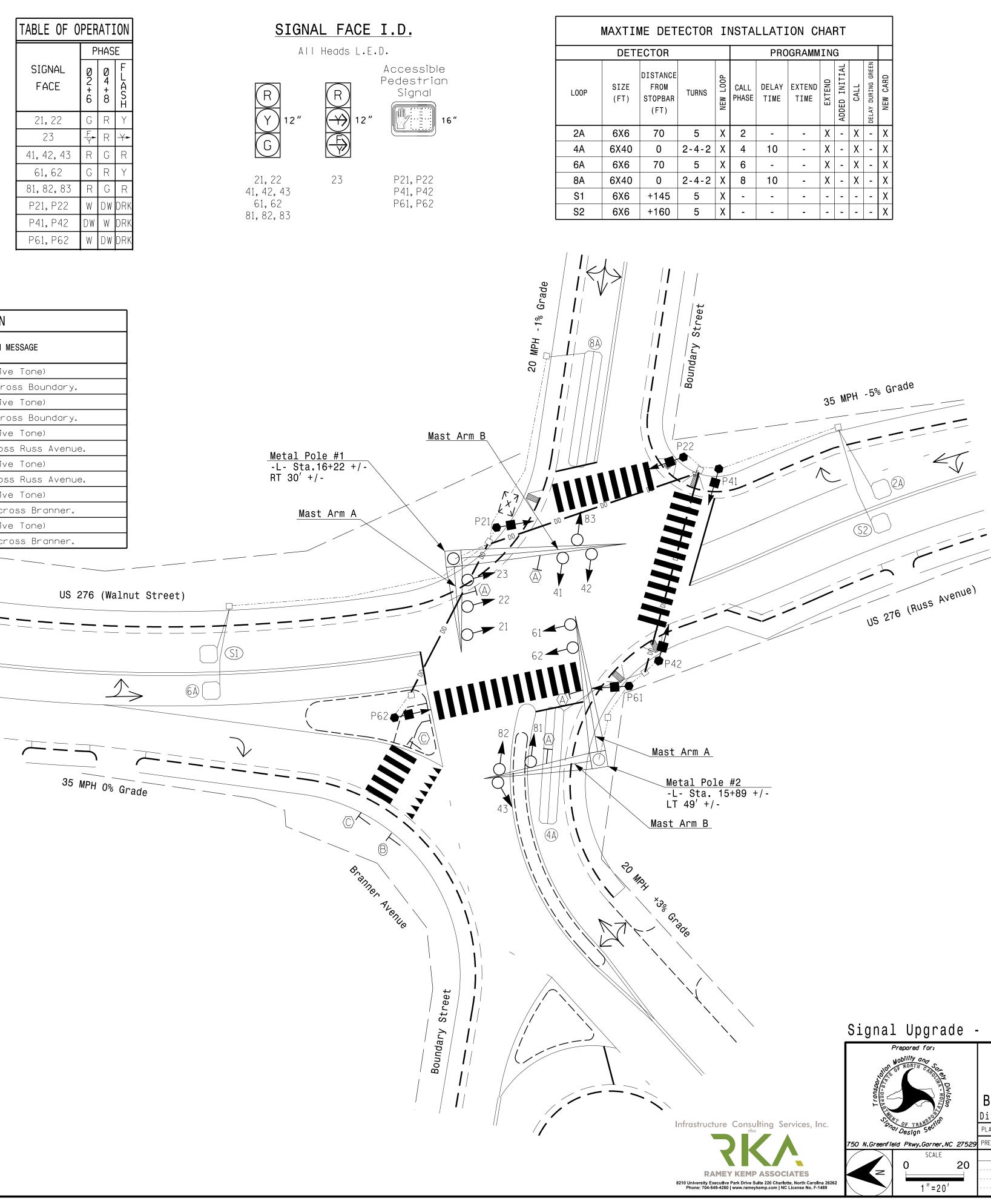
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| TABLE OF OPERATION | | | | | | |
|--------------------|-------|------|-------|--|--|--|
| | PHASE | | | | | |
| SIGNAL FACE | Ø2+6 | Ø4+8 | FLANT | | | |
| 21, 22 | G | R | Y | | | |
| 23 | F | R | ¥► | | | |
| 41, 42, 43 | R | G | R | | | |
| 61,62 | G | R | Y | | | |
| 81, 82, 83 | R | G | R | | | |
| P21, P22 | W | DW | DRK | | | |
| P41, P42 | DW | W | DRK | | | |
| P61, P62 | W | DW | DRK | | | |

| ACCESSIBLE PEDESTRIAN SIGNAL OPERATION | | | | |
|--|-------|-------|----------------------------------|---------------------------------|
| SIGNAL FACE | VOICE | TONES | INTERVAL | SPEECH MESSAGE |
| P21 - | - | Х | Walk | (Percussive Tone) |
| | Х | I | Flashing Don't Walk / Don't Walk | Wait.Wait to cross Boundary. |
| P22 - X | - | Х | Walk | (Percussive Tone) |
| | Х | - | Flashing Don't Walk / Don't Walk | Wait.Wait to cross Boundary. |
| P41 - | - | Х | Walk | (Percussive Tone) |
| | Х | - | Flashing Don't Walk / Don't Walk | Wait.Wait to cross Russ Avenue. |
| | | Х | Walk | (Percussive Tone) |
| P42 - | Х | - | Flashing Don't Walk / Don't Walk | Wait.Wait to cross Russ Avenue. |
| P61 - | - | Х | Walk | (Percussive Tone) |
| | Х | - | Flashing Don't Walk / Don't Walk | Wait.Wait to cross Branner. |
| P62 · | - | Х | Walk | (Percussive Tone) |
| | Х | - | Flashing Don't Walk / Don't Walk | Wait.Wait to cross Branner. |
| | | | | |





| MAXTIME TIMING CHART | | | | | | | |
|-------------------------|-----------|-----|------------|-----|--|--|--|
| | PHASE | | | | | | |
| FEATURE | 2 | 4 | 6 | 8 | | | |
| Walk * | 7 | 7 | 7 | _ | | | |
| Ped Clear * | 8 | 13 | 15 | _ | | | |
| Min Green | 10 | 7 | 10 | 7 | | | |
| Passage * | 3.0 | 2.0 | 3.0 | 2.0 | | | |
| Max 1 * | 45 | 30 | 45 | 30 | | | |
| Yellow Change | 4.2 | 3.0 | 4.2 | 3.0 | | | |
| Red Clear | 2.1 | 2.8 | 2.1 | 2.8 | | | |
| Added Initial * | - | - | _ | _ | | | |
| Maximum Initial * | - | - | - | _ | | | |
| Time Before Reduction * | - | - | - | - | | | |
| Time To Reduce * | _ | _ | _ | _ | | | |
| Minimum Gap | _ | - | - | _ | | | |
| Advance Walk | | _ | _ | _ | | | |
| Non Lock Detector | | X | _ | Х | | | |
| Vehicle Recall | MIN RECAL | L | MIN RECALL | _ | | | |
| Dual Entry | _ | 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 lower than 4 seconds.

2 Phase Fully Actuated D14-12_Waynesville

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. Set all detector units to presence mode.
- 4. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 5. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 6. This intersection features accessible pedestrian signals utilizing percussive tone walk indications and/or speech messages.
- 7. See pavement marking plans for stop bar and crosswalk locations.
- 8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

| | LEGEND | | | | |
|---------------------------|---|---------------------------|--|--|--|
| | PROPOSED | <u>EXISTING</u> | | | |
| | ○→ Traffic Signal | Head 🛛 🔶 🍝 | | | |
| | ●→ Modified Signa | I Head N/A | | | |
| | — Sign | | | | |
| | Pedestrian Sign ✓ With Push Buttor | | | | |
| | th Guy 💽 🚽 | | | | |
| | idewalk Guy 🖳 📕 | | | | |
| | Inductive Loop D | | | | |
| | Controller & C | abinet 🖂 | | | |
| | ox 🗖 | | | | |
| | Conduit | | | | |
| | ay —————— | | | | |
| | Arrow> | | | | |
| | rill N/A | | | | |
| O Metal Pole with Mastarm | | | | | |
| | Type II Signal P | | | | |
| | A Street Name S | • U | | | |
| | (B) "YIELD" Sign (| \bigcirc | | | |
| | \bigcirc Pedestrian Crossing S with Downward Arrow PI | aque (W16-7P) © | | | |
| l Upgrade - | DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | | | | |
| Prepared for: | US 276 (Walnut Street/ | SEAL | | | |
| NODILITY ONO | Russ Avenue) | TH CARO | | | |
| | at | EESSION . | | | |
| wisio | Branner Avenue/Boundary Street | SFAL | | | |
| | 32396 | | | | |
| noi Design Section | Division 14Haywood CountyWaynesvillePLAN DATE:April 2023REVIEWED BY:WJ Hamilton | WGINEER SAL | | | |
| ield Pkwy.Garner.NC 27529 | PREPARED BY: TS Popelka RKA PROJ. NO: 16085 (040) | DocuSigned tax | | | |
| SCALE 20 | REVISIONS INIT, DATE | - William & Hamilton | | | |
| | | | | | |
| 1 "=20' | | SIG. INVENTORY NO. 4-0374 | | | |
| | | | | | |