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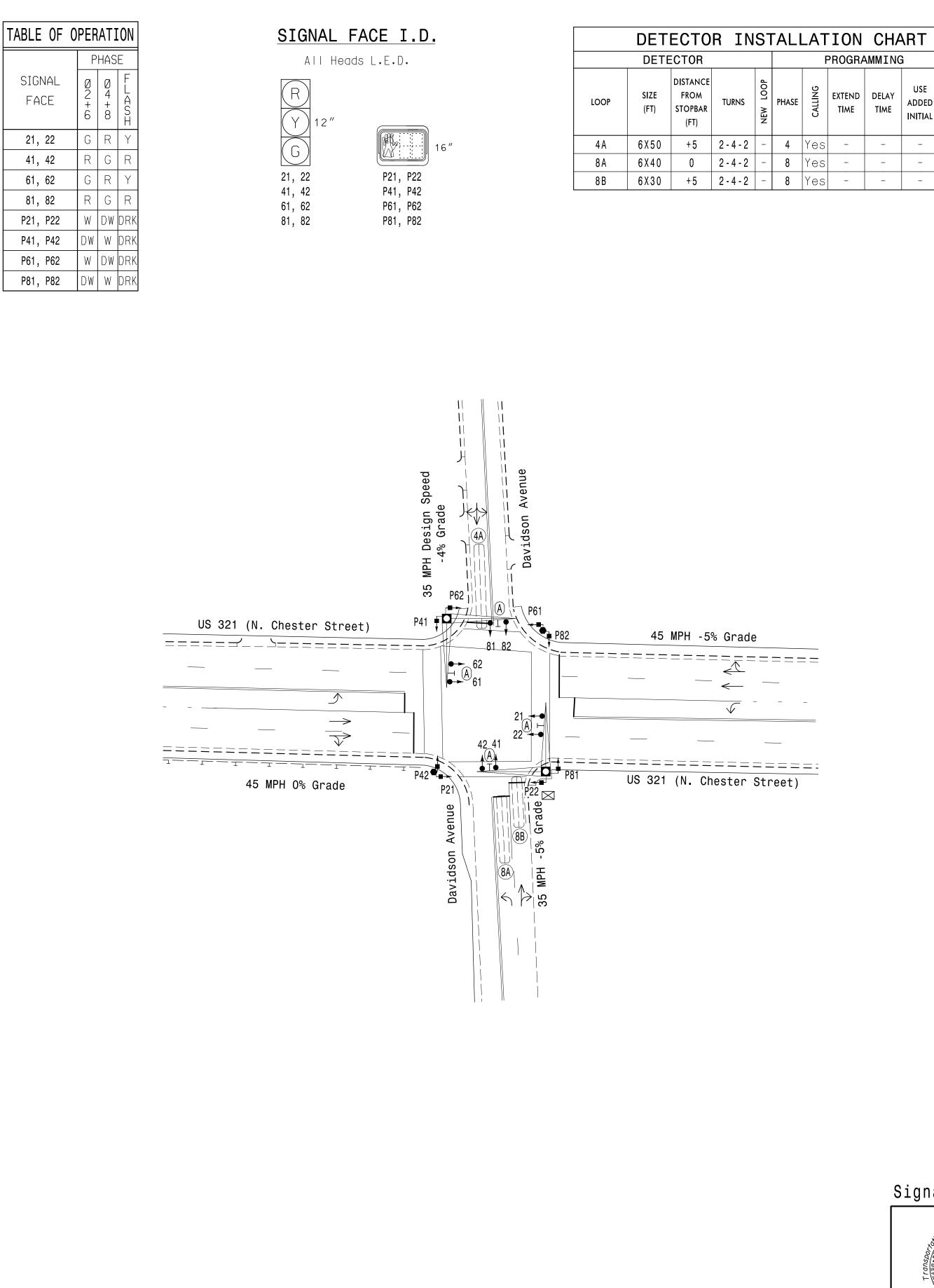
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| TIMING CHART | | | | | |
|-------------------------------|---------|-----|---------|-----|--|
| | PHASE | | | | |
| FEATURE | 2 | 4 | 6 | 8 | |
| Min Green * | 12 | 7 | 12 | 7 | |
| Walk * | 7 | 7 | 7 | 7 | |
| Ped Clear | 10 | 16 | 11 | 18 | |
| Veh. Extension * | - | 2.0 | - | 2.0 | |
| Max 1 * | 45 | 25 | 45 | 25 | |
| Yellow | 5.0 | 4.2 | 5.0 | 4.2 | |
| Red Clear | 1.2 | 3.3 | 1.2 | 3.3 | |
| Red Revert | 2.0 | 2.0 | 2.0 | 2.0 | |
| Actuations B4 Add * | - | _ | _ | _ | |
| Seconds /Actuation * | - | _ | _ | _ | |
| Max Initial * | - | _ | _ | _ | |
| Time Before Reduction * | - | - | _ | - | |
| Time To Reduce * | - | - | - | _ | |
| Minimum Gap | - | _ | - | - | |
| Locking Detector | - | _ | _ | _ | |
| Recall Position | PED/MAX | - | PED/MAX | - | |
| Dual Entry | - | Х | - | Х | |
| Simul t aneous Gap | Х | Х | Х | 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.



PLANS PREPARED IN THE OFFICE OF: **Kimley»Horn** NC License #F-0102 421 Fayetteville Street, Suite 600

Raleigh, NC 27601

(919) 677-2000

750 N.Gr

|) | ТҮРЕ | SYSTEM LOOP | NEW CARD | |
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| | N | - | Х | |

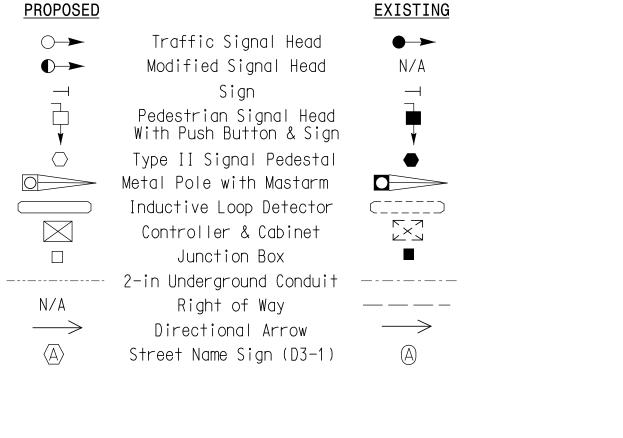
2 Phase Semi-Actuated Gastonia Signal System

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. Set all detector units to presence mode.
- 4. In the event of loop replacement, refer to the current ITS and Signal 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 red.
- 6. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls on phases 4 and 8.
- 7. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 8. Pavement markings are existing.
- 9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- 10. Install new cabinet on the existing cabinet foundation.
- 11. All new cabinets and base extenders shall be black in color. See Project Special Provisions for details.
- 12. City system data:
 - Controller Asset #0017.

<u>PROPOSED</u>

LEGEND



| ınal Upgrade | | DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |
|---------------------------------|---|---|--|
| Prepared For: | US 321 (N. Chester Street) at Davidson Avenue | SEAL 044434 | |
| Solution Section | Division 12 Gaston County Gastoni PLAN DATE: May 2021 REVIEWED BY: SL Phillips | a ENGINEER MAN | |
| Greenfield Pkwy,Garner,NC 27529 | PREPARED BY: DM Curri REVIEWED BY: KP Baumann | | |
| SCALE | REVISIONS INIT. DATE | DocuSigned by: | |
| 0 40 | | Kam Vanan 3/11/2022 | |
| | | - SIGNATURE DATE | |
| 1″=40′ | | SIG. INVENTORY NO. 12-0017 | |