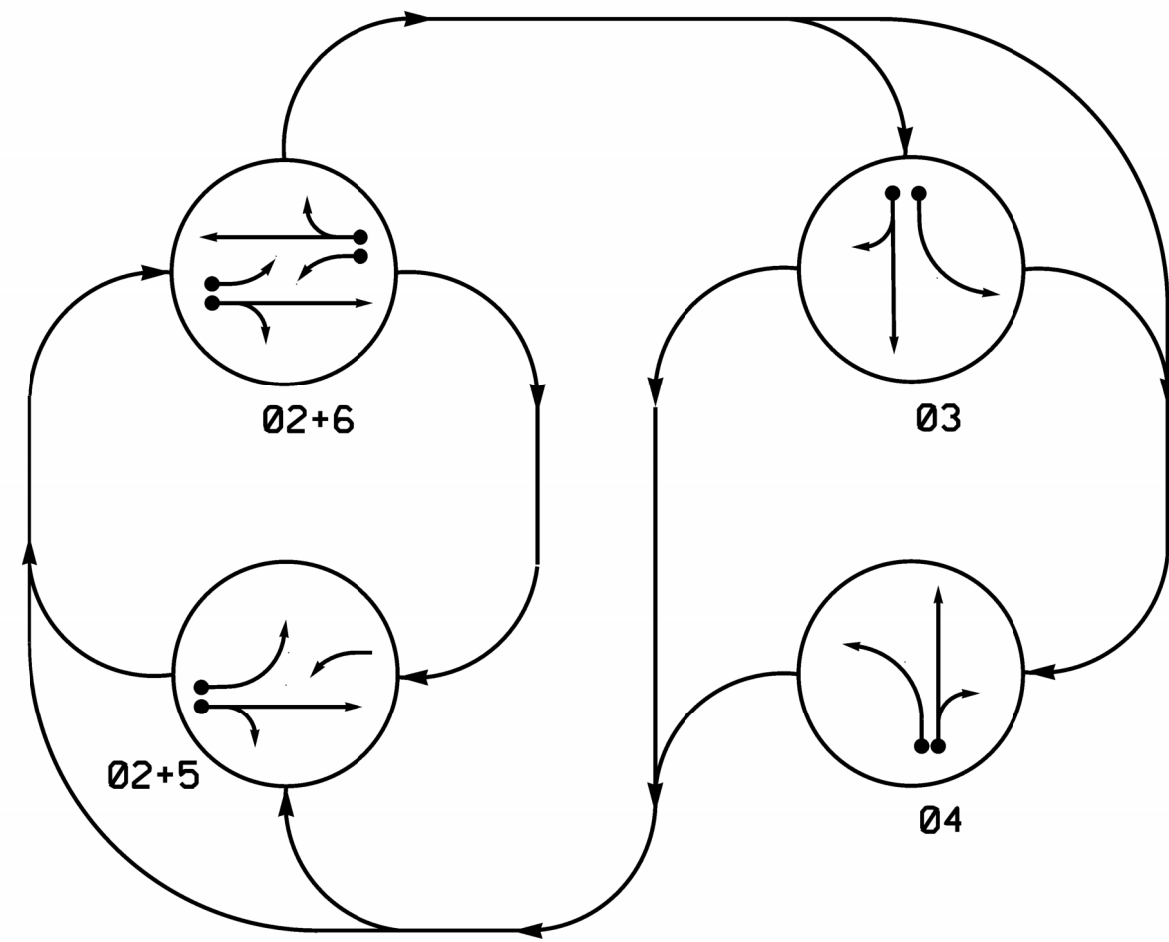


PHASING DIAGRAM

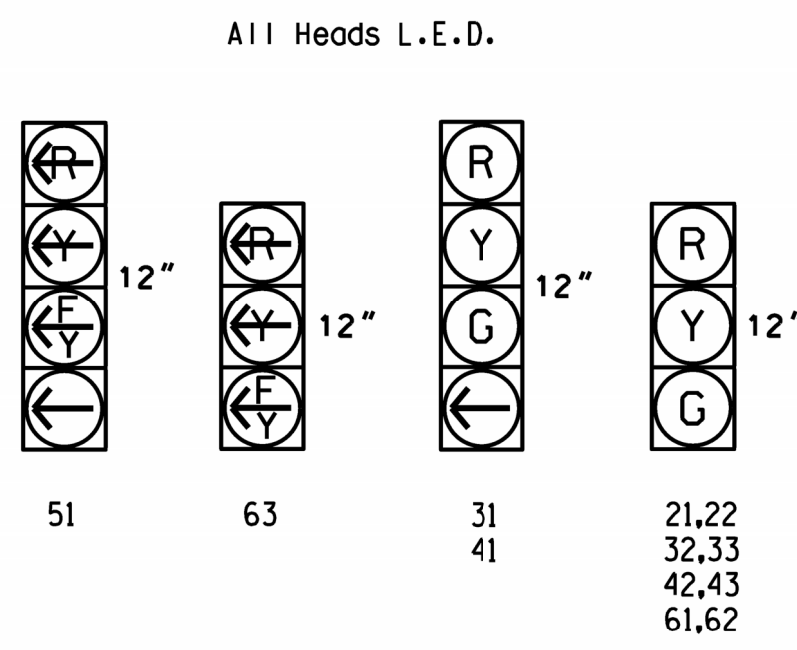


PHASING DIAGRAM DETECTION LEGEND

- ◄●► DETECTED MOVEMENT
- ◄◄◄ UNDETECTED MOVEMENT (OVERLAP)
- ◄- - - UNSIGNALIZED MOVEMENT
- ◄- - - PEDESTRIAN MOVEMENT

| SIGNAL FACE | PHASE | | | | |
|-------------|-------|------|----|----|-------|
| | 02+5 | 02+6 | 03 | 04 | FLASH |
| 21,22 | G | G | R | R | Y |
| 31 | R | R | G | R | R |
| 32,33 | R | R | G | R | R |
| 41 | R | R | R | G | R |
| 42,43 | R | R | R | G | R |
| 51 | - | F | F | R | Y |
| 61,62 | R | G | R | R | Y |
| 63 | F | F | R | R | Y |

SIGNAL FACE I.D.



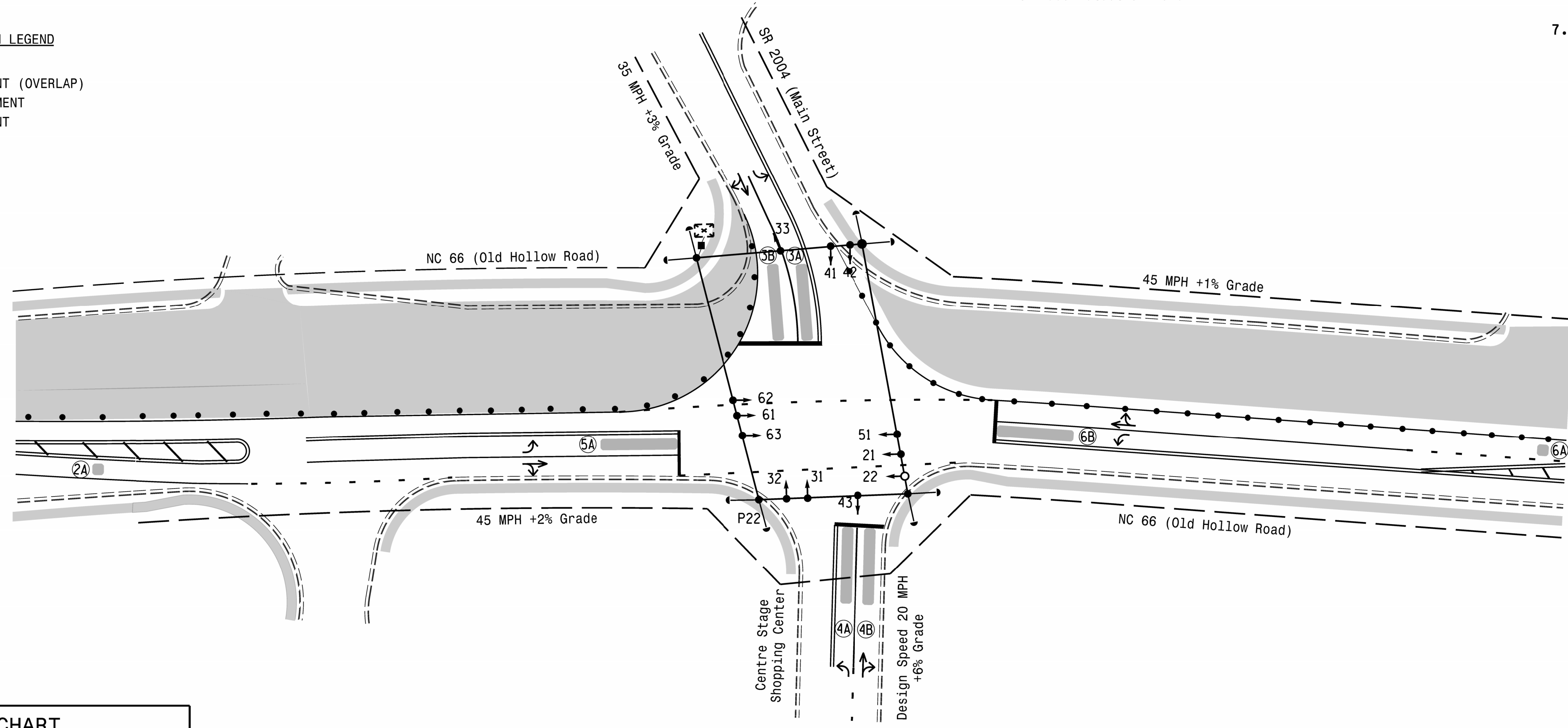
| MAXTIME DETECTOR INSTALLATION CHART | | | | | | | | | | | |
|-------------------------------------|-----------|----------------------------|-------|----------|-------------|------------|-------------|----------------|---------------|-------------------------|----------|
| DETECTOR | | | | | PROGRAMMING | | | | | | |
| ZONE | SIZE (FT) | DISTANCE FROM STOPBAR (FT) | TURNS | NEW LOOP | CALL PHASE | DELAY TIME | EXTEND TIME | EXTEND INITIAL | ADDED INITIAL | CALL DELAY DURING GREEN | NEW CARD |
| 2A * | 6X6 | 300 | * | * | 2 | - | - | X | X | X | * |
| 3A * | 6X40 | 0 | * | * | 3 | 3.0 | - | X | X | X | * |
| 3B * | 6X40 | 0 | * | * | 3 | 10.0 | - | X | X | X | * |
| 4A * | 6X40 | 0 | * | * | 4 | 3.0 | - | X | X | X | * |
| 4B * | 6X40 | 0 | * | * | 4 | 10.0 | - | X | X | X | * |
| 5A * | 6X40 | 0 | * | * | 5 | 15.0 | - | X | X | X | * |
| 6A * | 6X6 | 300 | * | * | 2 | 3.0 | - | X | X | X | * |
| 6B * | 6X40 | 0 | * | * | 6 | 3.0 | - | X | X | X | * |

* Video Detection Zone

4 Phase Fully Actuated (Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 5 may be lagged.
- The order of phase 3 and phase 4 may be reversed.
- Set all detector units to presence mode.
- Reposition existing signal heads numbered 21, 31, 32, 51, 61, 62, and 63.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.



MAXTIME TIMING CHART

| FEATURE | PHASE | | | | |
|-------------------------|------------|-----|-----|-----|------------|
| | 2 | 3 | 4 | 5 | 6 |
| Walk * | - | - | - | - | - |
| Ped Clear * | - | - | - | - | - |
| Min Green * | 12 | 7 | 7 | 7 | 12 |
| Passage * | 6.0 | 2.0 | 2.0 | 2.0 | 6.0 |
| Max 1 * | 50 | 30 | 25 | 20 | 50 |
| Yellow Change | 4.4 | 3.7 | 3.0 | 3.0 | 4.4 |
| Red Clear | 1.9 | 1.6 | 2.4 | 3.1 | 1.9 |
| Added Initial * | 3.0 | - | - | - | 3.0 |
| Maximum Initial * | 34 | - | - | - | 34 |
| Time Before Reduction * | 15 | - | - | - | 15 |
| Time To Reduce * | 40 | - | - | - | 40 |
| Minimum Gap | 3.0 | - | - | - | 3.0 |
| Advance Walk | - | - | - | - | - |
| Non Lock Detector | - | X | X | X | - |
| Vehicle Recall | MIN RECALL | - | - | - | MIN RECALL |
| Dual Entry | - | - | - | - | - |

* 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.

| PROPOSED | LEGEND | 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 | ●→ |
| ▭ | Video Detection Zone | ▭ |
| ⊞ | Controller & Cabinet Junction Box | ⊞ |
| - - - | 2-in Underground Conduit | - - - |
| N/A | Right of Way | — |
| → | Directional Arrow | → |
| ▭ | Construction Zone | ▭ |
| •• | Construction Zone Drums | •• |

Signal Upgrade - Temporary Design 2 (TMP Phase II - Step 1)

| | | | | |
|---|---|---|---|--|
| Prepared in the Office of: NC FIRM LICENSE No: P-0339 320 Executive Court Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 (FAX) | Prepared For: 750 N. Greenfield Pkwy, Garner, NC 27525 | NC 66 (Old Hollow Road) at SR 204 (Main Street) / Centre Stage Shopping Centre Division 9 Forsyth County Walkertown | | SEAL SEAL 018174 EDWARD W. SIRGANY ENGINEER |
| | | PREPARED BY: J. Smith SCALE: 1" = 40' | PLAN DATE: August 2023 REVIEWED BY: E. Sirgany REVISIONS: | |