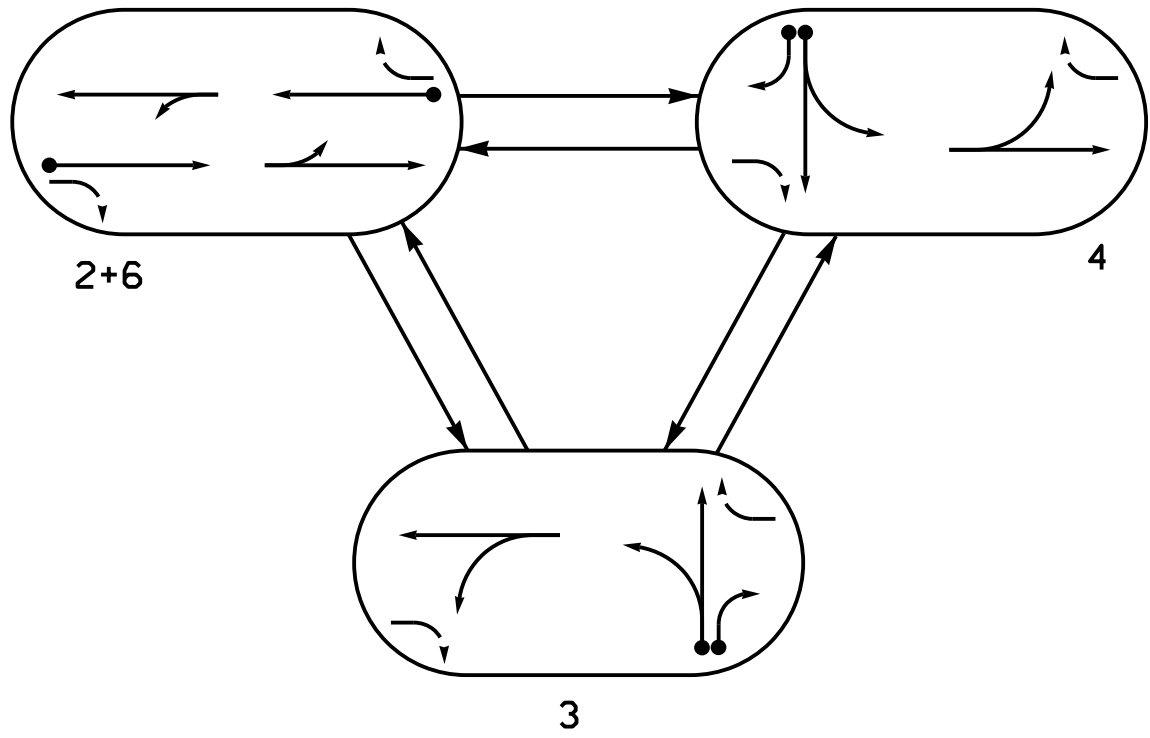


PHASING DIAGRAM



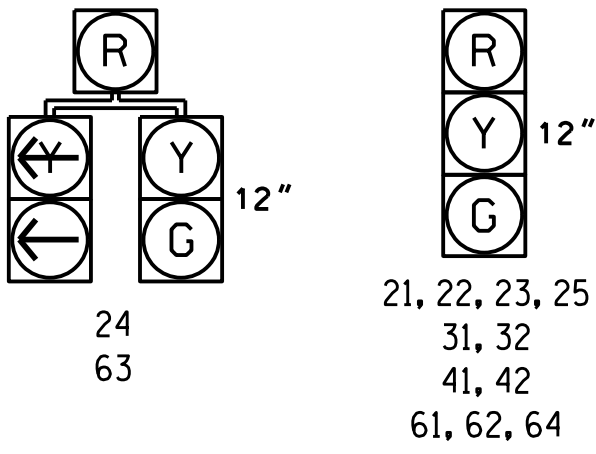
PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

| SIGNAL FACE | PHASE |   |   |    |
|-------------|-------|---|---|----|
|             | 2+6   | 3 | 4 | 25 |
| 21,22,23    | G     | R | R | R  |
| 24          | G     | R | G | R  |
| 25          | G     | R | G | R  |
| 31,32       | R     | G | R | R  |
| 41,42       | R     | G | R | R  |
| 61,62       | G     | R | R | R  |
| 63          | G     | G | R | R  |
| 64          | G     | G | R | R  |

SIGNAL FACE I.D.

All Heads L.E.D.



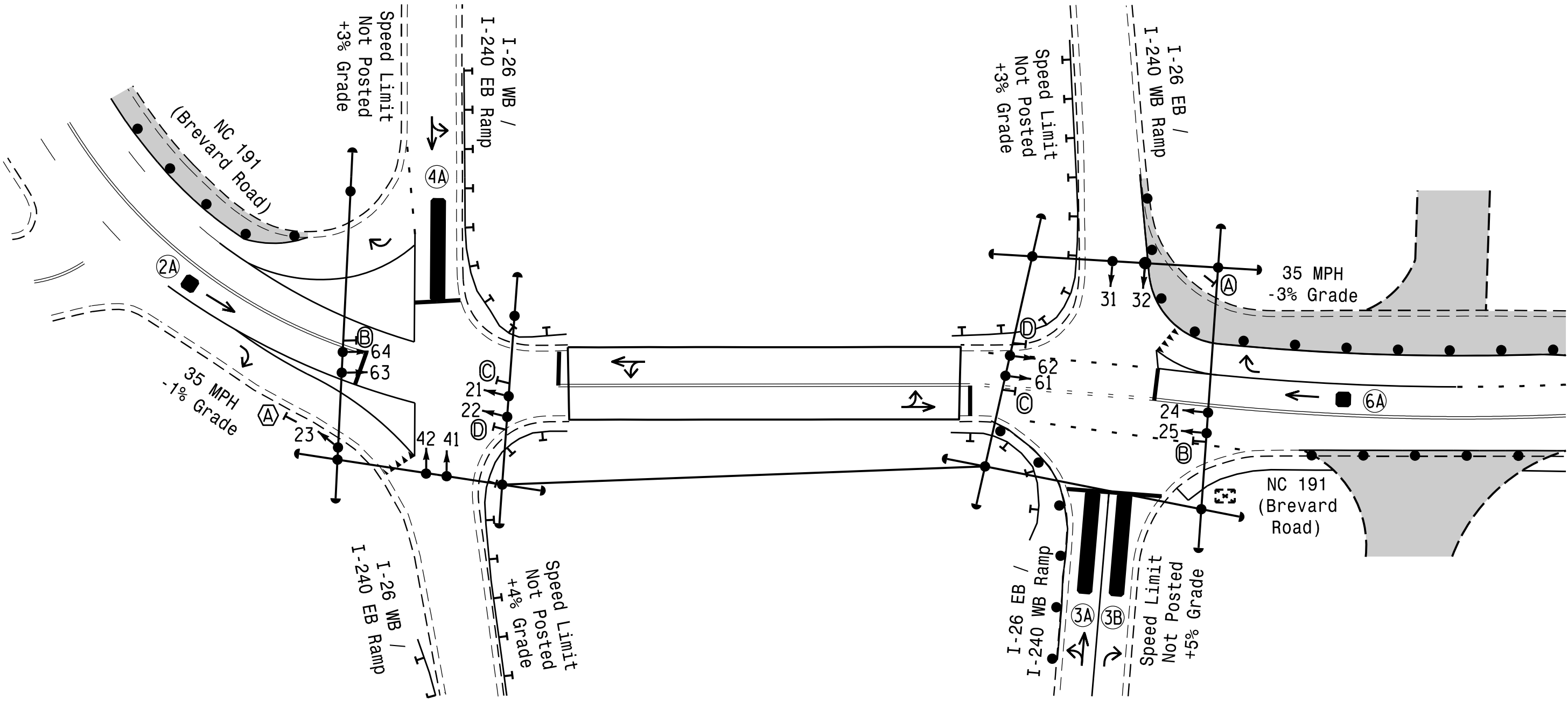
| MAXTIME DETECTOR INSTALLATION CHART |           |                            |       |          |            |             |             |        |               |                         |          |
|-------------------------------------|-----------|----------------------------|-------|----------|------------|-------------|-------------|--------|---------------|-------------------------|----------|
| DETECTOR                            |           |                            |       |          |            | PROGRAMMING |             |        |               |                         |          |
| ZONE                                | SIZE (FT) | DISTANCE FROM STOPBAR (FT) | TURNS | NEW LOOP | CALL PHASE | DELAY TIME  | EXTEND TIME | EXTEND | ADDED INITIAL | CALL DELAY DURING GREEN | NEW CARD |
| 2A★                                 | 6X6       | 70                         | ★     | ★        | 2          | -           | -           | X      | -             | X                       | ★        |
| 3A★                                 | 6X40      | 0                          | ★     | ★        | 3          | -           | -           | X      | -             | X                       | ★        |
| 3B★                                 | 6X40      | 0                          | ★     | ★        | 3          | 15.0        | -           | X      | -             | X                       | ★        |
| 4A★                                 | 6X40      | 0                          | ★     | ★        | 4          | 3.0         | -           | X      | -             | X                       | ★        |
| 6A★                                 | 6X6       | 70                         | ★     | ★        | 6          | -           | -           | X      | -             | X                       | ★        |

★ Video Detection Zone

3 Phase  
Fully Actuated  
D13-02 Asheville

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Reposition existing signal heads numbered 24, 25, 61, and 62.
- Set all detector units to presence mode.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- See Transportation Management Plans for stop bar locations.



MAXTIME TIMING CHART

| FEATURE                 | PHASE       |     |     |             |
|-------------------------|-------------|-----|-----|-------------|
|                         | 2           | 3   | 4   | 6           |
| Walk *                  | -           | -   | -   | -           |
| Ped Clear *             | -           | -   | -   | -           |
| Min Green *             | 12          | 7   | 7   | 12          |
| Passage *               | 3.0         | 5.0 | 3.0 | 3.0         |
| Max I *                 | 60          | 50  | 30  | 60          |
| Yellow Change           | 4.1         | 3.6 | 3.7 | 4.1         |
| Red Clear               | 1.4         | 1.2 | 1.4 | 1.4         |
| Added Initial *         | -           | -   | -   | -           |
| Maximum Initial *       | -           | -   | -   | -           |
| Time Before Reduction * | -           | -   | -   | -           |
| Time To Reduce *        | -           | -   | -   | -           |
| Minimum Gap             | -           | -   | -   | -           |
| Advance Walk            | -           | -   | -   | -           |
| Non Lock Detector       | -           | X   | X   | -           |
| Vehicle Recall          | SOFT RECALL | -   | -   | SOFT 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.

LEGEND

- | PROPOSED                              | EXISTING |
|---------------------------------------|----------|
| ○ → Traffic Signal Head               | ● → N/A  |
| ● → 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            | —        |
| — Right of Way                        | —        |
| — Directional Arrow                   | —        |
| — Non-Intrusive Detection Zone        | —        |
| — Construction Zone                   | —        |
| — Construction Zone Drums             | —        |
| — "YIELD" Sign (R1-2)                 | —        |
| — No Right Turn Sign (R3-1)           | —        |
| — No U-Turn/No Left Turn Sign (R3-18) | —        |
| — Right Arrow "Only" Sign (R3-5R)     | —        |

Signal Upgrade  
Temporary Design 1 (TMP Phase I Step 2)

**AECOM**  
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|                                              |                                                   |                          |      |
|----------------------------------------------|---------------------------------------------------|--------------------------|------|
| <br>750 N. Greenfield Pkwy, Garner, NC 27529 | NC 191 (Brevard Road)<br>at<br>I-26 / I-240 Ramps |                          |      |
|                                              | Division 13 Buncombe County Asheville             |                          |      |
|                                              | PLAN DATE: May 2026                               | REVIEWED BY: C. Kalencik |      |
|                                              | PREPARED BY: M. Tindal                            | REVIEWED BY:             |      |
| REVISIONS                                    |                                                   | INIT.                    | DATE |
| 0 SCALE 40'                                  |                                                   |                          |      |
| 1"=40'                                       |                                                   |                          |      |

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SIG. INVENTORY NO. 13-007311