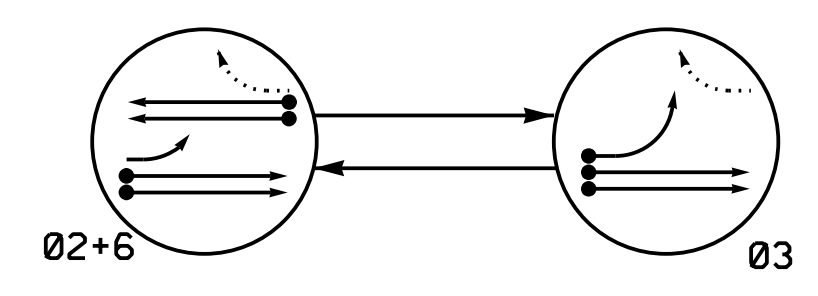


DEFAULT PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

ALTERNATE PHASING DIAGRAM

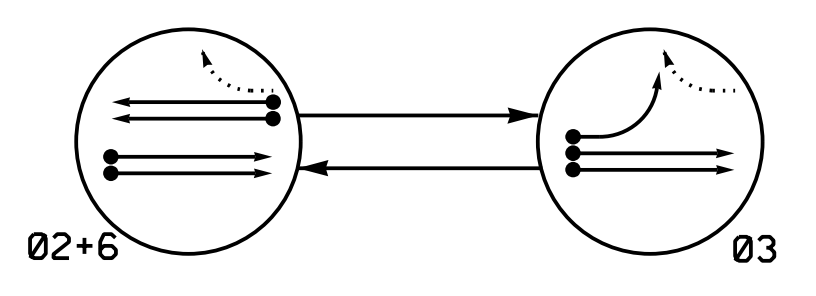


Table with columns: SIGNAL FACE, PHASE (0, 3, FLASH), and rows for signal faces 21,22; 51; 61,62.

Table with columns: SIGNAL FACE, PHASE (0, 3, FLASH), and rows for signal faces 21,22; 51; 61,62.

MAXTIME DETECTOR INSTALLATION CHART table with columns: ZONE, SIZE (FT), DISTANCE FROM STOPBAR (FT), TURNS, NEW LOOP, CALL PHASE, DELAY TIME, EXTEND TIME, EXTEND INITIAL, CALL, DELAY DURING GREEN, NEW CARD.

* Microwave Detection
** Disable Delay During Alternate Phasing Operation.

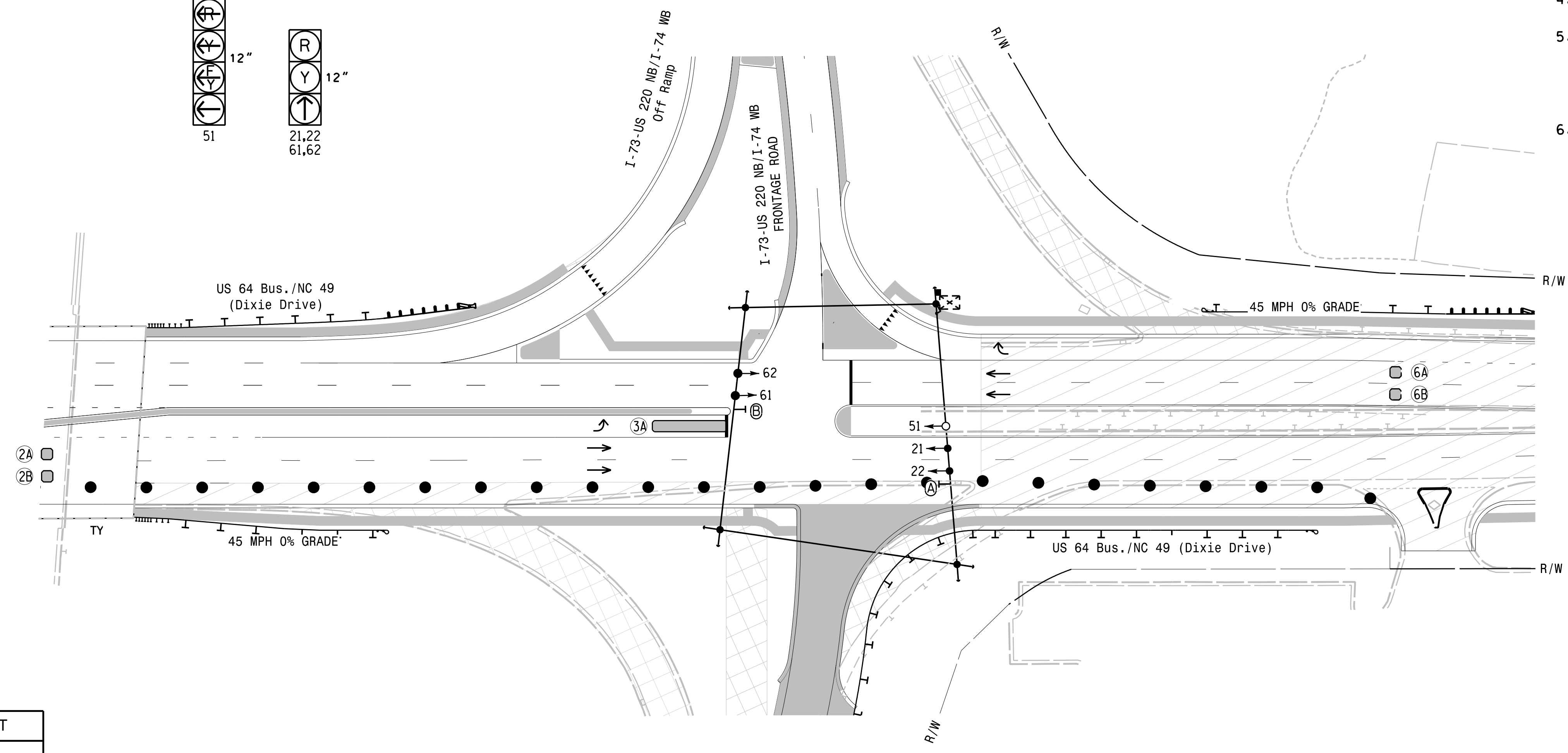
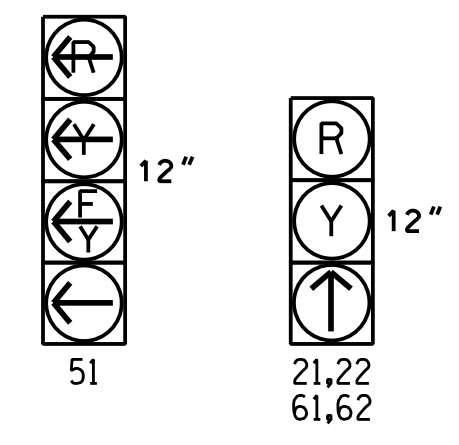
2 Phase Fully Actuated (Isolated)

NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Remove existing signal heads numbered 81 and 82.
4. Set all detector units to presence mode.
5. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
6. The Division Traffic Engineer will determine the hours of use for each phasing plan.

SIGNAL FACE I.D.

All Heads L.E.D.



LEGEND

- PROPOSED: Traffic Signal Head, Modified Signal Head, Sign, Pedestrian Signal Head, 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, Directional Drill, Guardrail, Microwave Detection Zone, Construction Zone, Curb Ramp, Wedge/Widen (Lane Closure Required), No Right Turn Sign (R3-1), No U-Turn/No Left Turn Sign (R3-18).
EXISTING: Traffic Signal Head, Modified Signal Head, Sign, Pedestrian Signal Head, 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, Directional Drill, Guardrail, Microwave Detection Zone, Construction Zone, Curb Ramp, Wedge/Widen (Lane Closure Required), No Right Turn Sign (R3-1), No U-Turn/No Left Turn Sign (R3-18).

MAXTIME TIMING CHART table with columns: FEATURE, PHASE (2, 3, 6), and rows for Walk, Ped Clear, Min Green, Passage, Max I, Yellow Change, Red Clear, Added Initial, Maximum Initial, Time Before Reduction, Time To Reduce, Minimum Gap, Advance Walk, Non Lock Detector, Vehicle Recall, Dual Entry.

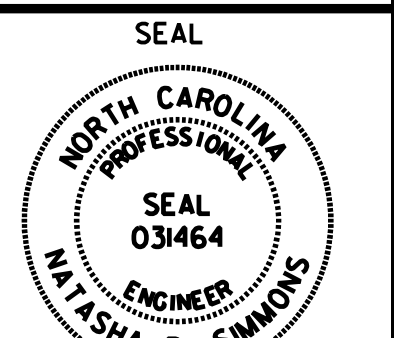
* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 6, lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

Signal Upgrade - Temporary Design 2 (Construction Phase III)

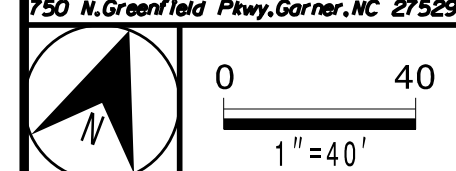
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



US 64 Bus./NC 49 (Dixie Drive) at I-73-US 220 NB/I-74 WB Ramps. Division 8 Randolph County Asheville. PLAN DATE: August 2021. REVIEWED BY: A.D. Klinksiek. PREPARED BY: N.K. Vlanich. REVIEWED BY: N.R. Simmons.



HNTB logo and contact information: HNTB NORTH CAROLINA, P.C., 343 E. Six Forks Road, Suite 200, Raleigh, North Carolina 27609, NC License No: C-1554, (919) 546-8997.



REVISIONS table with columns: REVISIONS, INITI., DATE.

DocuSigned by: Nelsa R. Simmons 5/21/2024. SIGNATURE DATE. SIG. INVENTORY NO. 08-0501T2