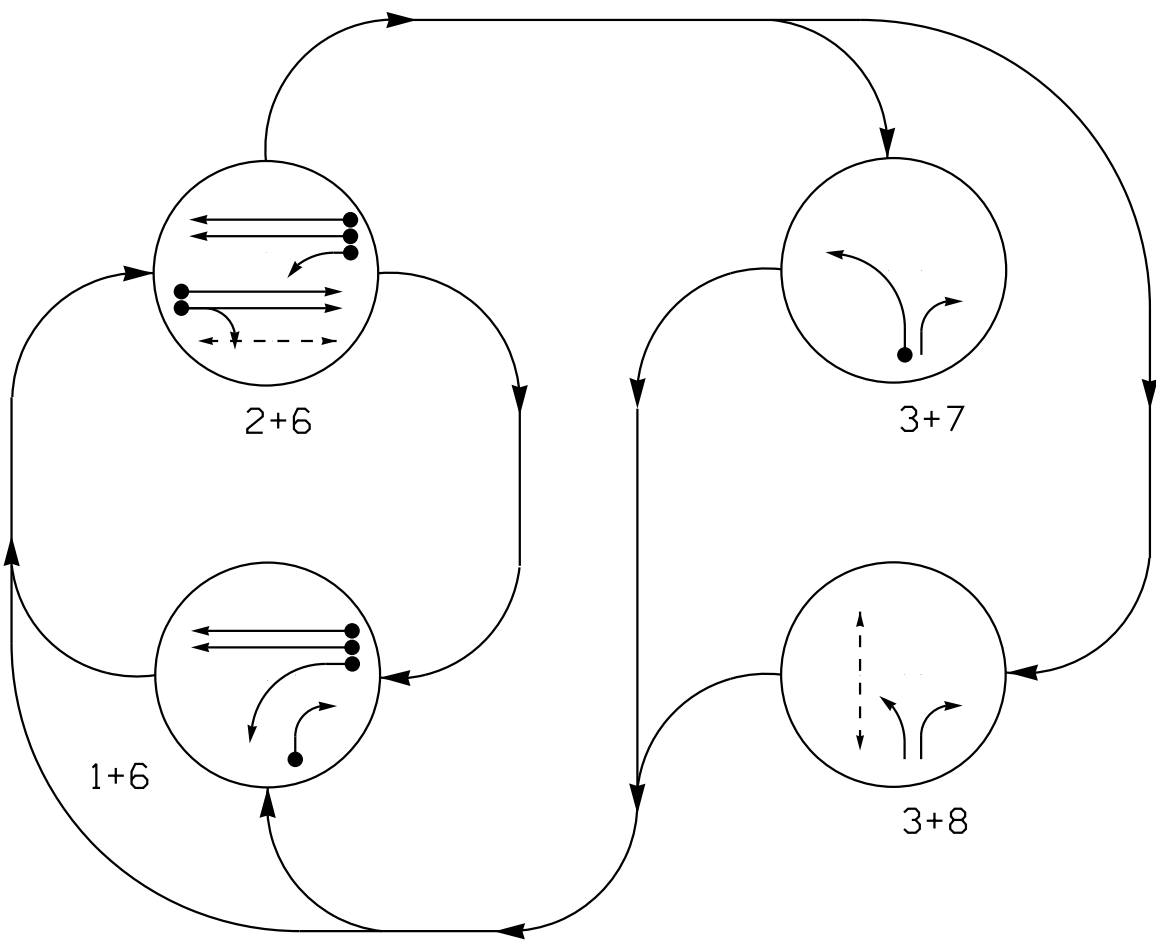
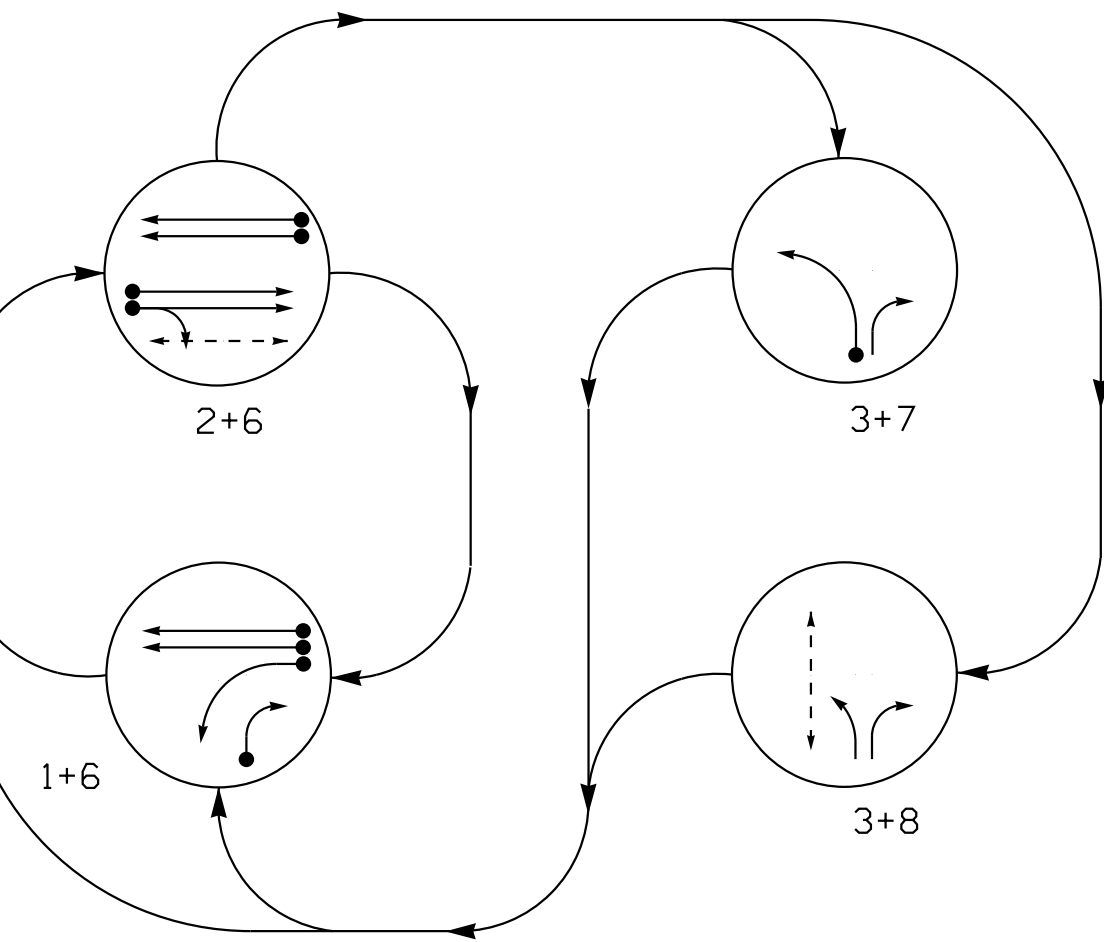


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



SIGNAL FACE	PHASE				
	1 + 6	2 + 6	3 + 7	3 + 8	FLASH
11	←	↑	→	→	→
21	R	↑	R	R	R
22	R	G	R	R	R
61,62	G	G	R	R	R
71,73	→	→	→	→	→
72	→	R	→	→	R
P21,P22	DW	W	DW	DW	DRK
P81,P82	DW	DW	DW	W	DRK

SIGNAL FACE	PHASE				
	1 + 6	2 + 6	3 + 7	3 + 8	FLASH
11	←	→	→	→	→
21	R	↑	R	R	R
22	R	G	R	R	R
61,62	G	G	R	R	R
71,73	→	→	→	→	→
72	→	R	→	→	R
P21,P22	DW	W	DW	DW	DRK
P81,P82	DW	DW	DW	W	DRK

MAXTIME DETECTOR INSTALLATION CHART										
DETECTOR					PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL DURING GREEN
1A	6X40	0	2-4-2	X	1	15.0*	-	X	X	X
1B	6X40	0	2-4-2	X	6#	3.0	-	X	X	X
2A	6X6	300	6	X	2	-	-	X	X	X
2B	6X6	300	6	X	2	-	-	X	X	X
6A	6X6	300	6	X	6	-	-	X	X	X
6B	6X6	300	6	X	6	-	-	X	X	X
7A	6X40	0	2-4-2	X	7	-	-	X	X	X

* Disable delay during Alternate Phasing operation.
Disable Phase call for loop during Alternate Phasing operation.

4 Phase
Fully Actuated
D09-32_Kernersville CLS

NOTES

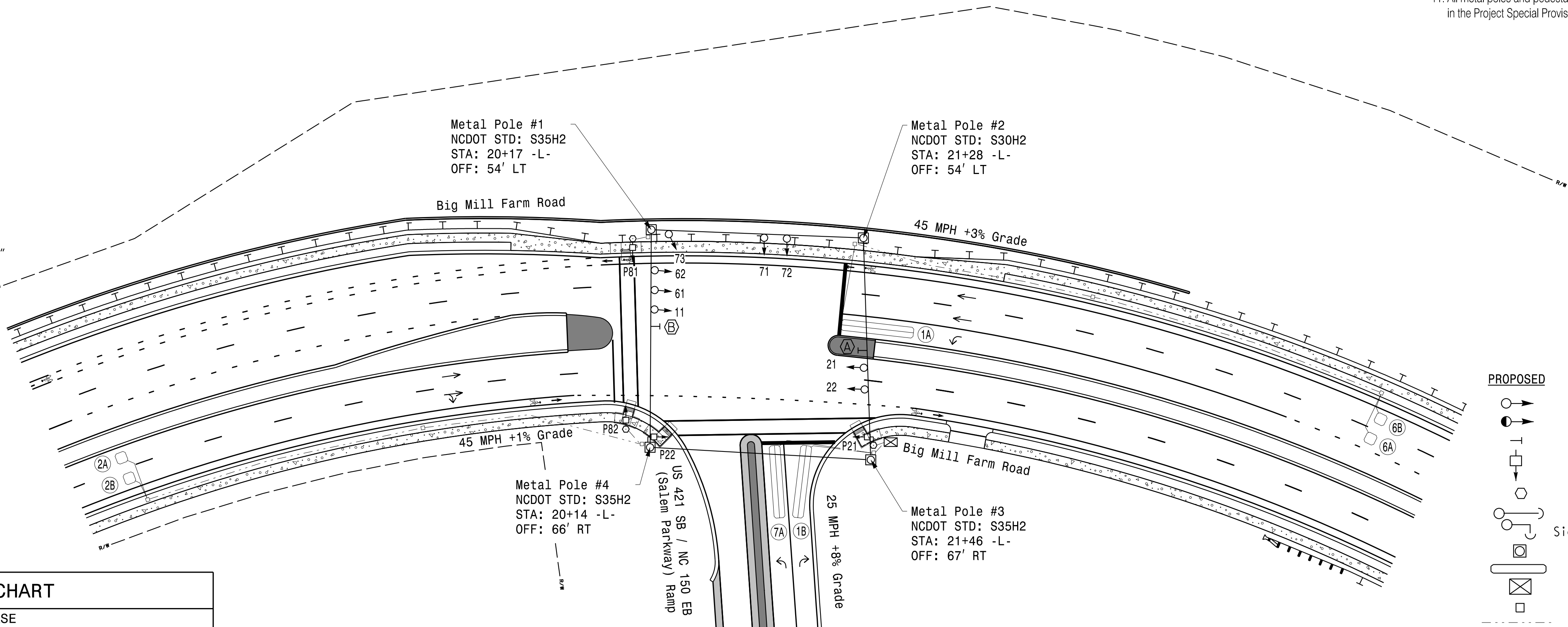
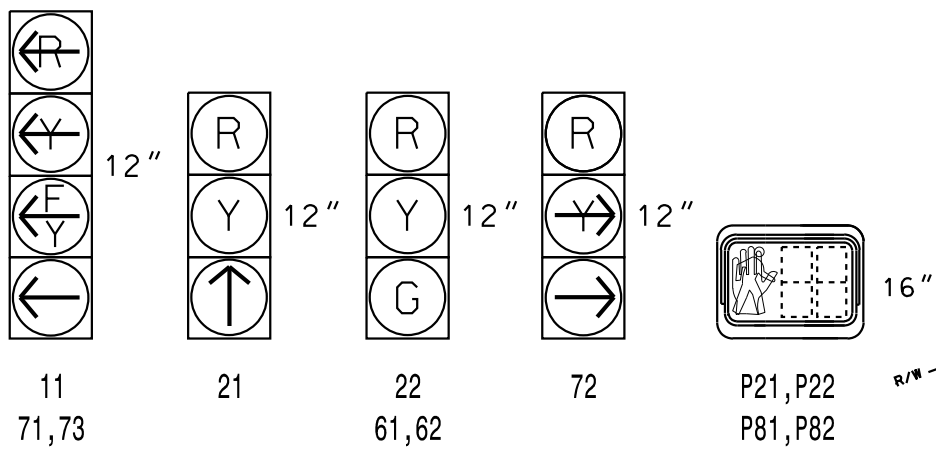
- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 may be lagged.
- Omit Phase 7 during Phase 8 on.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- All metal poles and pedestals shall be painted black as specified in the Project Special Provisions.

PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE I.D.

All Heads L.E.D.



MAXTIME TIMING CHART

FEATURE	PHASE					
	1	2	3	6	7	8
Walk *	-	14	-	-	-	11
Ped Clear	-	27	-	-	-	22
Min Green *	7	12	7	12	7	7
Passage *	2.0	6.0	2.0	6.0	2.0	2.0
Max 1 *	25	90	40	90	40	40
Yellow Change	3.0	4.4	3.0	4.4	3.0	3.0
Red Clear	2.9	1.9	3.4	1.9	3.4	3.4
Added Initial *	-	1.5	-	1.5	-	-
Maximum Initial *	-	34	-	34	-	-
Time Before Reduction *	-	15	-	15	-	-
Time To Reduce *	-	45	-	45	-	-
Minimum Gap	-	3.0	-	3.0	-	-
Advance Walk	-	7	-	-	-	4
Non Lock Detector	X	-	X	-	X	X
Vehicle Recall	-	MIN RECALL	-	MIN RECALL	-	-
Dual Entry	-	-	X	-	X	-

* 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 Sign | N/A |
| Pedestrian Signal Head With Push Button & Sign | N/A |
| Type II Signal Pedestal | N/A |
| Signal Pole with Guy | N/A |
| Signal Pole with Sidewalk Guy | N/A |
| Metal Strain Pole | N/A |
| Inductive Loop Detector | N/A |
| Controller & Cabinet | N/A |
| Junction Box | N/A |
| 2-in Underground Conduit | N/A |
| Right of Way | N/A |
| Directional Arrow | N/A |
| Guardrail | N/A |
| Curb Ramp | N/A |
| No U-Turn/No Left Turn Sign (R3-18) | N/A |
| "U-TURN YIELD TO RIGHT TURN" Sign (R10-16) | N/A |

New Installation

Prepared for:

750 N. Greenfield Pkwy, Garner, NC 27529

PLANS PREPARED IN THE OFFICE OF:
Kimley»Horn
NC License #F-0102
421 Fayetteville Street, Suite 600
Raleigh, NC 27601
(919) 677-2000

Big Mill Farm Road
at
US 421 SB / NC 150 EB
(Salem Parkway) Ramps

Division 9 Forsyth County Kernersville

PLAN DATE: December 2024 REVIEWED BY: KP Baumann

PREPARED BY: CF Davis REVIEWED BY:

REVISIONS	INIT.	DATE

SCALE
0 40
1"=40'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
NORTH CAROLINA
PROFESSIONAL ENGINEER
SEAL
044434
KELVIN P. BAUMANN
ENGINEER

SIGNATURE
DATE
8/4/2025

SIG. INVENTORY NO. 09-0362