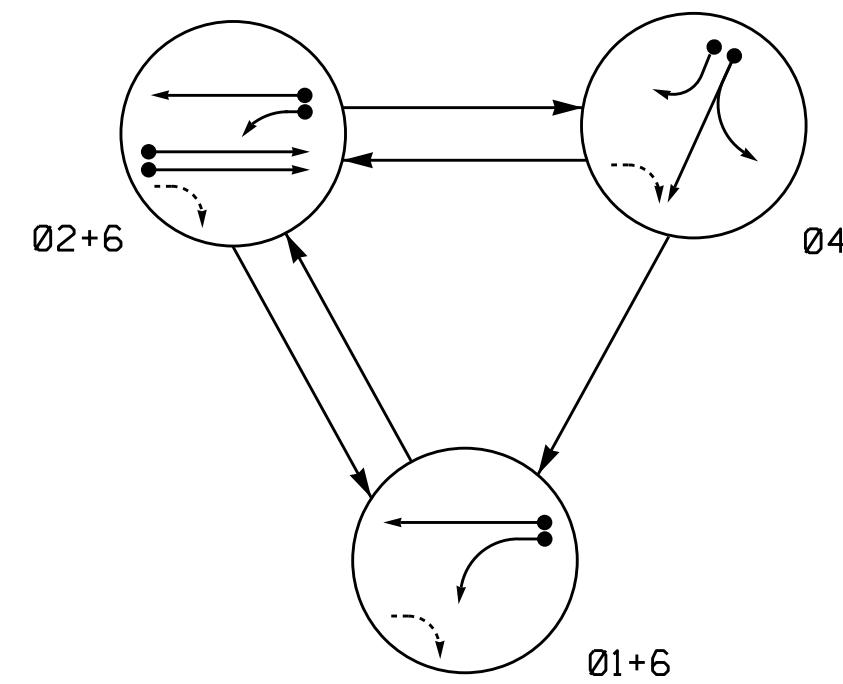


PHASING DIAGRAM



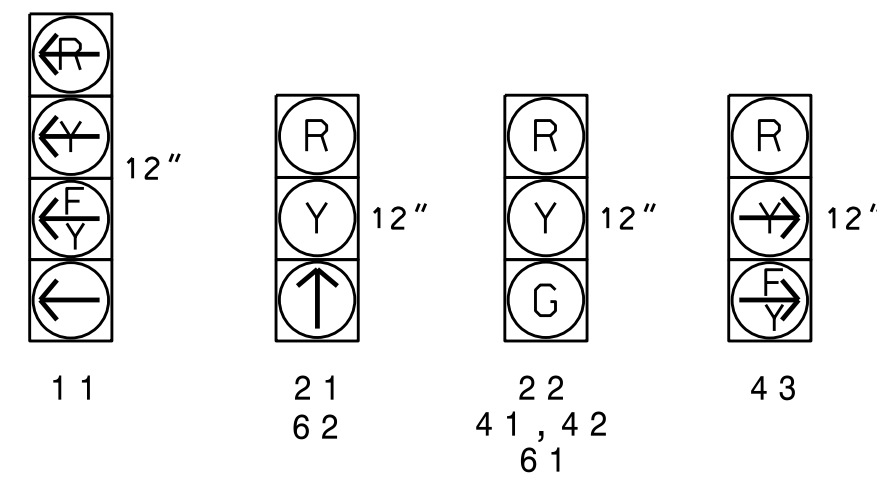
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE			
	01+6	02+6	04	F L S A H
11	—	F	R	Y
21	R	↑	R	Y
22	R	G	R	Y
41, 42	R	R	G	R
43	R	R	F	R
61	G	G	R	Y
62	↑	↑	R	Y

SIGNAL FACE I.D.

All Heads L.E.D.



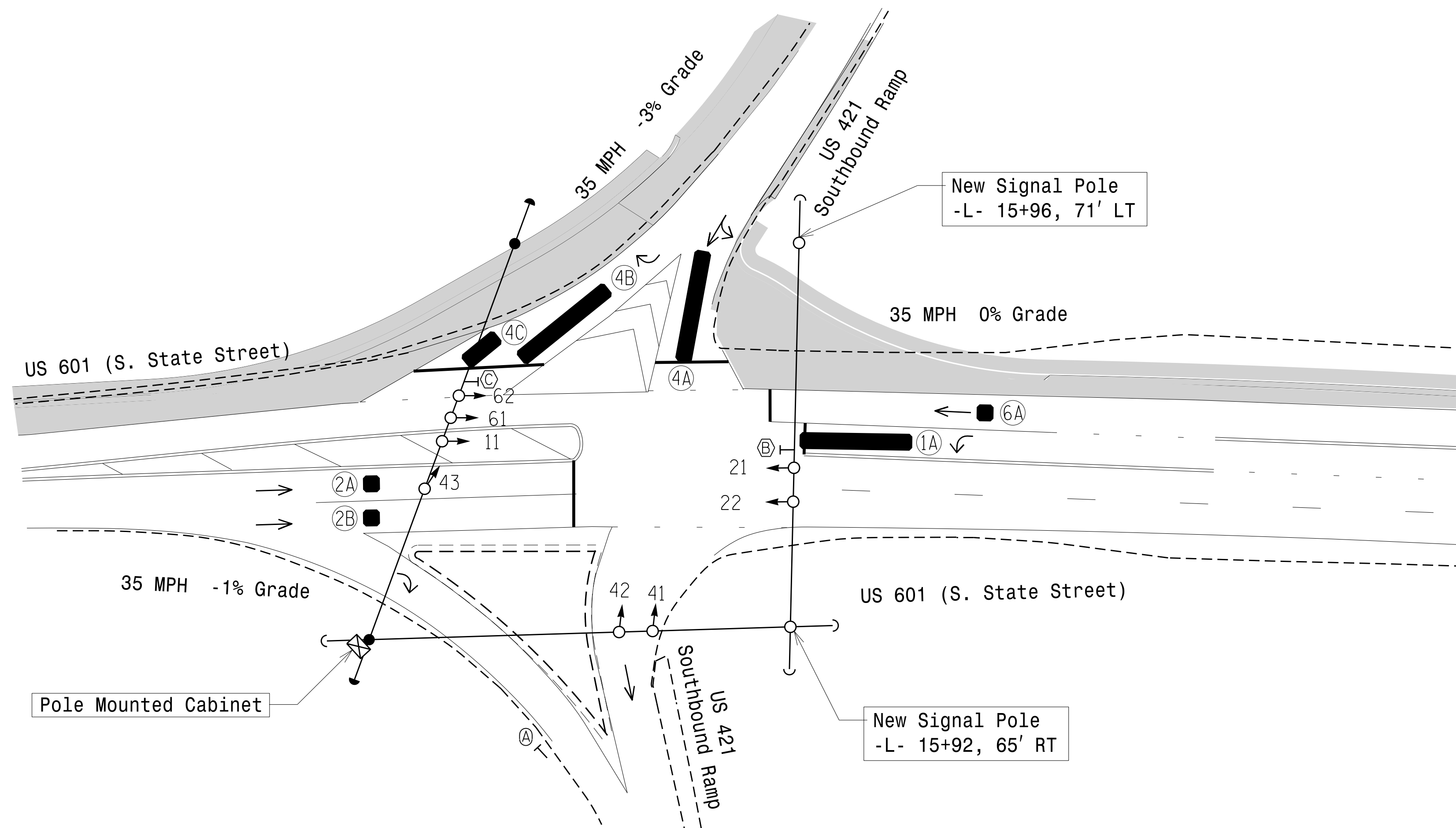
MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR					PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	NEW CARD
1A*	6X40	+5	*	*	1	15.0	-	X	-	X	-
2A*	6X6	70	*	*	6	-	-	X	-	X	-
2B*	6X6	70	*	*	2	-	-	X	-	X	-
4A*	6X40	0	*	*	4	-	-	X	-	X	-
4B*	6X40	0	*	*	4	15.0	-	X	-	X	-
4C*	6X15	0	*	*	4	15.0	-	X	-	X	-
6A*	6X6	70	*	*	6	-	-	X	-	X	-

* Video Detection Zone

3 Phase Fully Actuated US 601 (Yadkinville) System 1 (TBC)

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.
- Set all detector units to presence mode.
- Program controller to operate using FYA compact mode.
- Refer to Pavement Marking Plan for stop line locations.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Time Based system data: Controller Asset #: 1208.



FEATURE	MAXTIME TIMING CHART			
	1	2	4	6
Walk *	-	-	-	-
Ped Clear	-	-	-	-
Min Green *	7	10	7	10
Passage *	2.0	3.0	2.0	3.0
Max 1 *	15	60	30	60
Yellow Change	3.0	3.9	4.1	3.9
Red Clear	2.8	2.8	1.1	2.8
Added Initial *	-	-	-	-
Maximum Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Advance Walk	-	-	-	-
Non Lock Detector	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	⊥
⊗	Inductive Loop Detector	⊗
⊗	Controller & Cabinet	⊗
⊗	Junction Box	⊗
—	2-in Underground Conduit	—
N/A	Right of Way	—
→	Directional Arrow	→
■	Video Detection Zone	■
■	Construction Zone	N/A
(A)	"YIELD" Sign (R1-2)	(A)
(B)	No Left Turn Sign (R3-2)	(B)
(C)	No Right Turn Sign (R3-1)	(C)
N/A	Guardrail	—

This plan supersedes the plan signed and sealed on 11/14/23.

Signal Upgrade - Temporary Design 1 - Phase I

	US 601 (S. State Street) at US 421 Southbound Ramp		
	Division 11 Yadkin County Yadkinville	PLAN DATE: February 2024 REVIEWED BY: R.N. Zinser	
750 N. Greenfield Pkwy, Garner, NC 27529	SCALE: 1"=30'	REVISIONS:	INIT. DATE:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Seal of R. Nicholas Zinser, Professional Engineer, No. 043914, State of North Carolina. Date: 03/04/2024. Inventory No. II-1208T1.