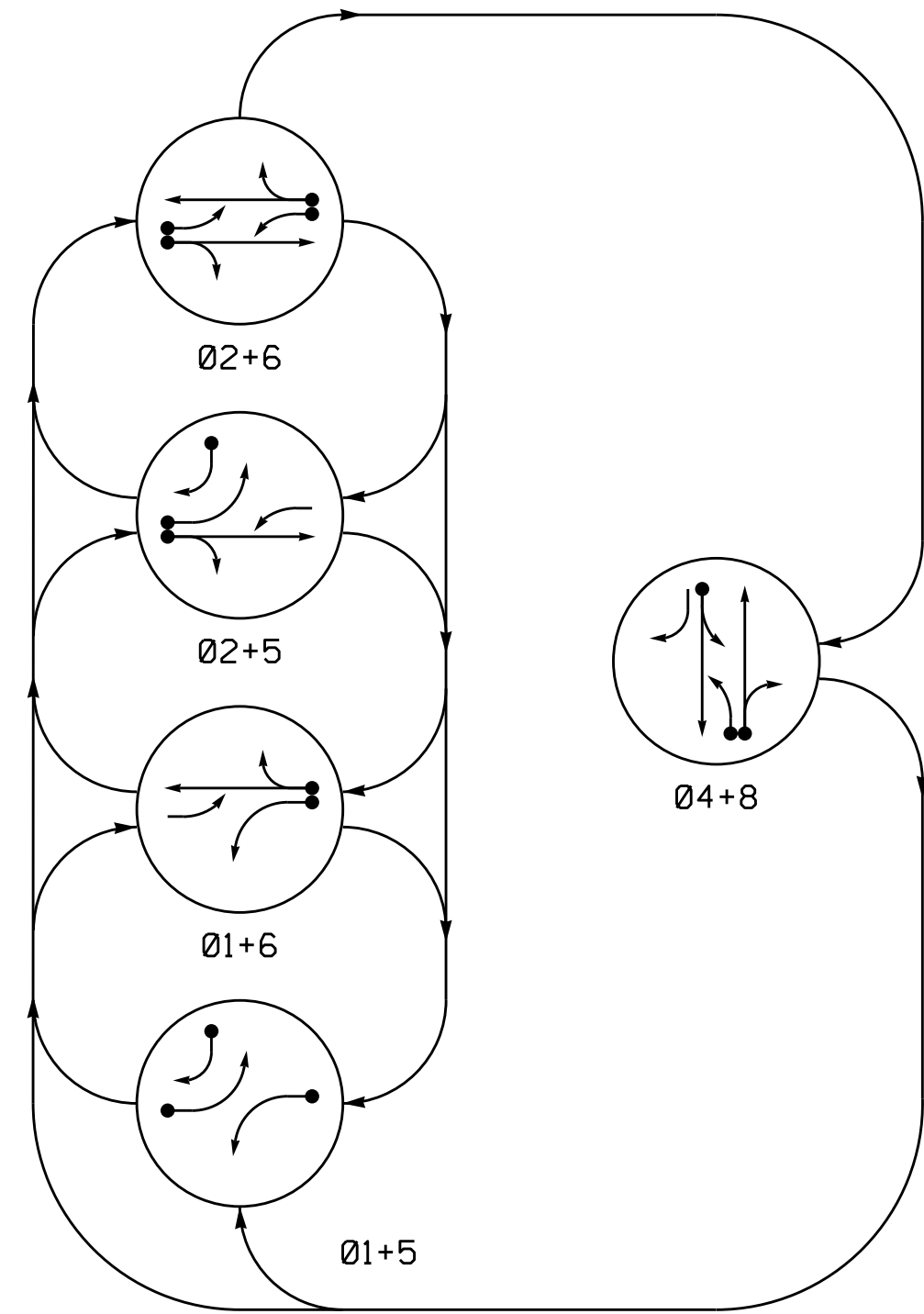
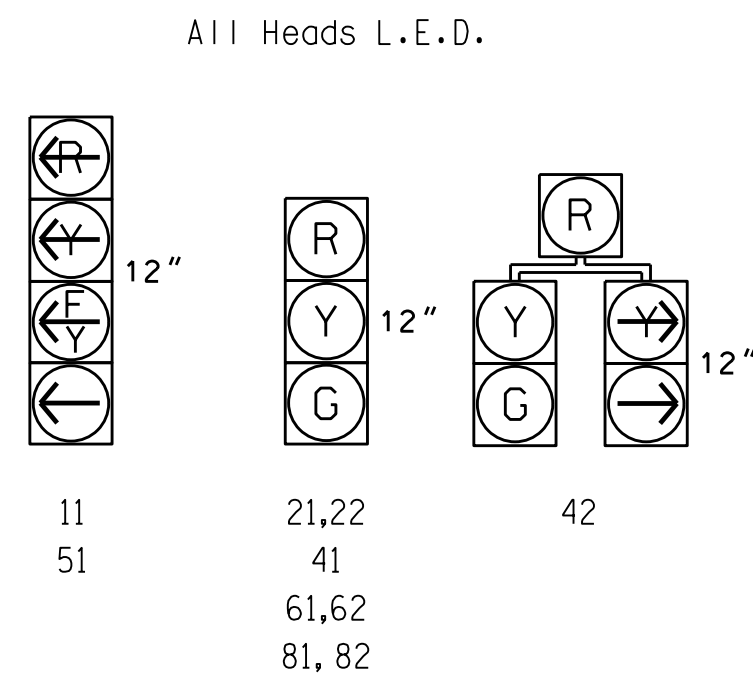


PHASING DIAGRAM



SIGNAL FACE	PHASE				
	Ø1+5	Ø1+6	Ø2+5	Ø2+6	FLASH
11	←	←	←	←	←
21, 22	R	R	G	G	Y
41	R	R	R	R	G
42	R	R	R	R	G
51	←	←	←	←	←
61, 62	R	G	R	G	Y
81, 82	R	R	R	R	G

SIGNAL FACE I.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	0	*	-	1	15.0	-	X	-	X	-
					6	-	-	X	-	X	-
2A*	6X6	70	*	*	2	-	-	X	-	X	-
4A*	6X40	0	*	-	4	3.0	-	X	-	X	-
5A*	6X40	0	*	*	5	15.0	-	X	-	X	-
					2	-	-	X	-	X	-
5B*	6X40	0	*	-	5	15.0	-	X	-	X	-
6A*	6X6	70	*	-	6	-	-	X	-	X	-
8A*	6X40	0	*	-	8	3.0	-	X	-	X	-
8B*	6X40	0	*	-	8	10.0	-	X	-	X	-

* Video Detection Zone

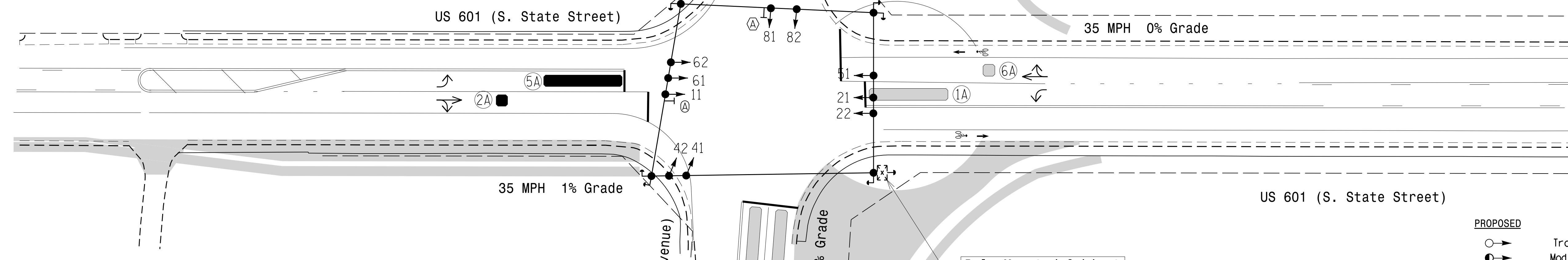
5 Phase Fully Actuated Isolated

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.
- Set all detector units to presence mode.
- Program controller to operate using FYA compact mode.
- Reposition existing signal heads numbered 51, 21 and 22.
- Refer to Pavement Marking Plan for stop line locations.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

PHASING DIAGRAM DETECTION LEGEND

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



FEATURE	MAXTIME TIMING CHART						
	1	2	4	5	6	8	
Walk *	-	-	-	-	-	-	
Ped Clear	-	-	-	-	-	-	
Min Green *	7	10	7	7	10	7	
Passage *	2.0	3.0	2.0	2.0	3.0	2.0	
Max 1 *	20	45	20	15	45	20	
Yellow Change	3.0	3.8	4.4	3.0	3.8	4.4	
Red Clear	2.4	1.6	1.8	2.4	1.6	1.8	
Added Initial *	-	-	-	-	-	-	
Maximum Initial *	-	-	-	-	-	-	
Time Before Reduction *	-	-	-	-	-	-	
Time To Reduce *	-	-	-	-	-	-	
Minimum Gap	-	-	-	-	-	-	
Advance Walk	-	-	-	-	-	-	
Non Lock Detector	X	-	X	X	-	X	
Vehicle Recall	-	MIN RECALL	-	-	MIN RECALL	-	
Dual Entry	-	-	X	-	-	X	

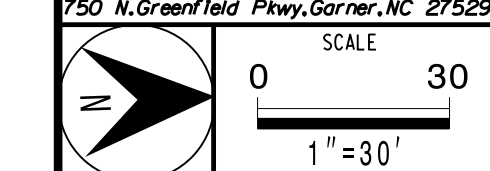
* These values may be field adjusted. Do not adjust Min Green and Passage times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND

- | PROPOSED | EXISTING |
|--|--|
| ○ → Traffic Signal Head | ● → Traffic Signal Head |
| ○ → Modified Signal Head | ○ → Modified Signal Head |
| ○ → Pedestrian Signal Head With Push Button & Sign | ○ → Pedestrian Signal Head With Push Button & Sign |
| ○ → Signal Pole with Guy | ○ → Signal Pole with Guy |
| ○ → Signal Pole with Sidewalk Guy | ○ → Signal Pole with Sidewalk Guy |
| ⊠ → Inductive Loop Detector | ⊠ → Inductive Loop Detector |
| □ → Controller & Cabinet | □ → Controller & Cabinet |
| □ → Junction Box | □ → Junction Box |
| --- 2-in Underground Conduit | --- 2-in Underground Conduit |
| N/A → Right of Way | N/A → Right of Way |
| → Directional Arrow | → Directional Arrow |
| ▬ Video Detection Zone | ▬ Video Detection Zone |
| ▬ Construction Zone | ▬ Construction Zone |
| ⓐ Left Arrow "ONLY" Sign (R3-5L) | ⓐ Left Arrow "ONLY" Sign (R3-5L) |

Signal Upgrade - Temporary Design 2 - Phase II

	<p>US 601 (S. State Street) at SR 1146 (Lee Avenue)</p>						
	<p>Division 11 Yadkin County Yadkinville</p> <p>PLAN DATE: February 2024 REVIEWED BY: R.N. Zinser</p> <p>PREPARED BY: T.A. Kenion REVIEWED BY:</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		NO.	INIT.	DATE	
NO.	INIT.	DATE					



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SIG. INVENTORY NO. II-0063T2