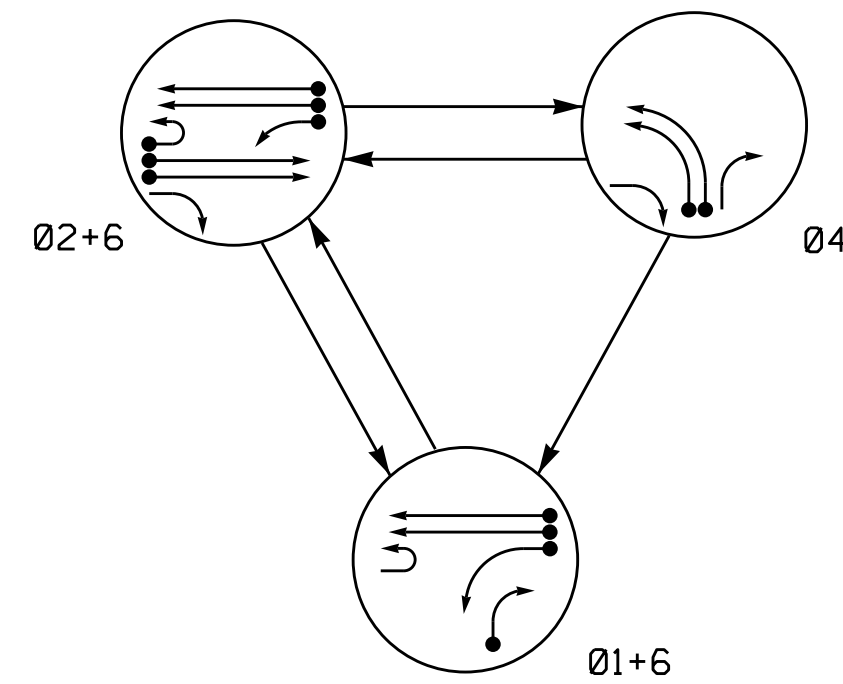


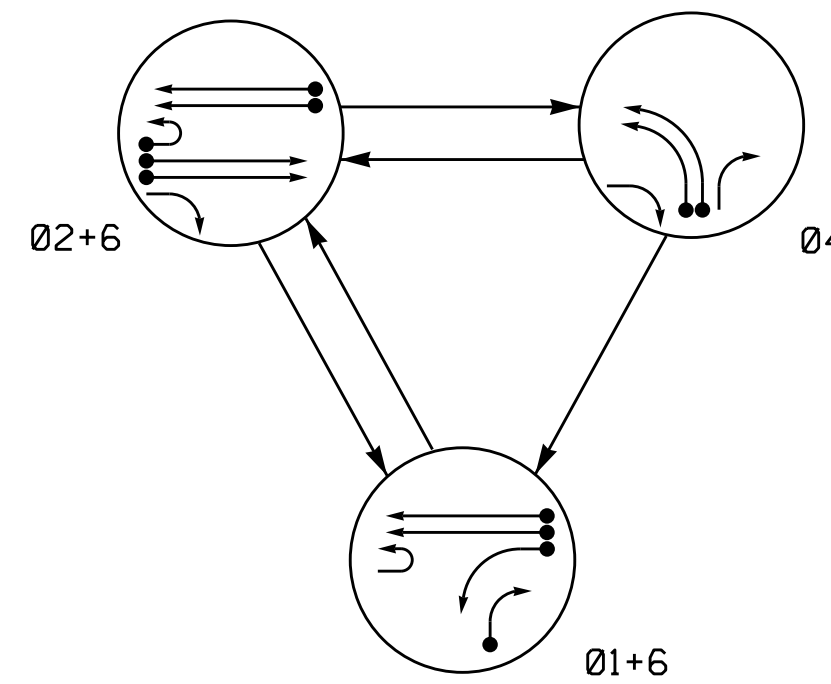
DEFAULT PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	01+6	02+6	04	F LOCAL
11	←	←	←	←
21	←	←	←	←
22	R	G	R	Y
23	R	G	R	Y
41, 42	←	←	←	←
43	←	←	←	←
61, 62	G	G	R	Y

ALTERNATE PHASING DIAGRAM



ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	01+6	02+6	04	F LOCAL
11	←	←	←	←
21	←	←	←	←
22	R	G	R	Y
23	R	G	R	Y
41, 42	←	←	←	←
43	←	←	←	←
61, 62	G	G	R	Y

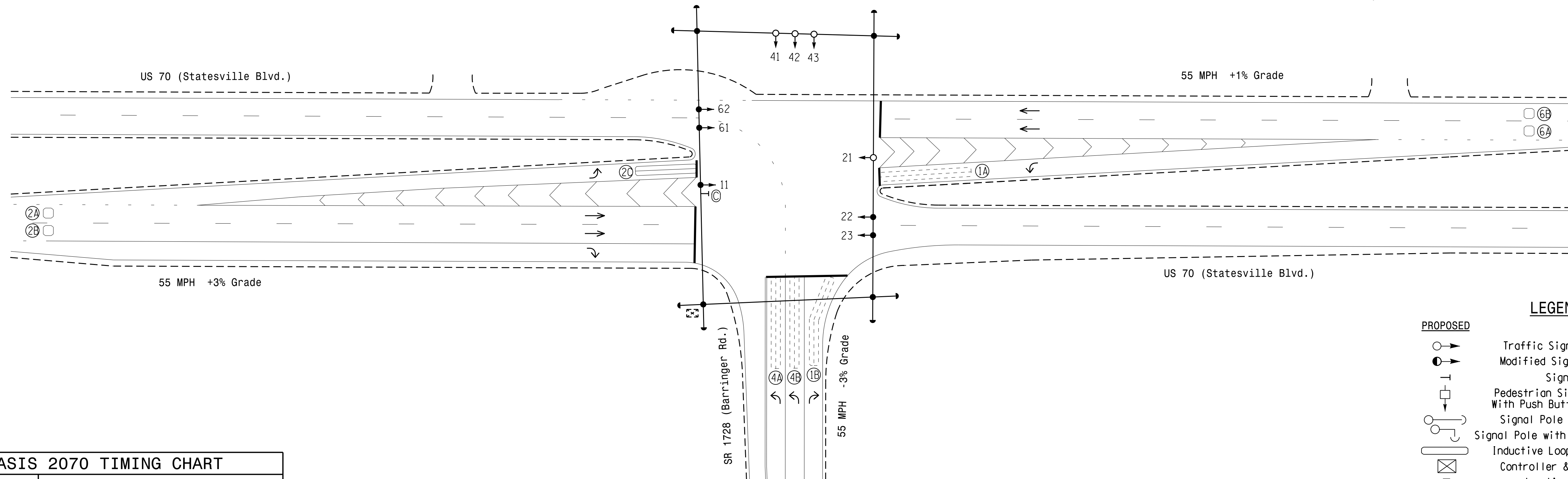
PHASING DIAGRAM DETECTION LEGEND

- ← ● DETECTED MOVEMENT
- ← UNDETECTED MOVEMENT (OVERLAP)
- ← UN SIGNALIZED MOVEMENT
- ← PEDESTRIAN MOVEMENT

3 Phase Fully Actuated (Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- 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.
- In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- Remove existing lane control signs.
- Pavement markings are existing.
- The Division (City) Traffic Engineer will determine the hours of use for each phasing plan.



OASIS 2070 TIMING CHART

FEATURE	PHASE			
	1	2	4	6
Min Green 1*	7	14	7	14
Extension 1*	1.0	6.0	1.0	6.0
Max Green 1*	20	90	25	90
Yellow Clearance	3.0	5.1	3.0	5.1
Red Clearance	3.3	1.5	3.7	1.5
Red Revert	2.0	2.0	2.0	2.0
Walk 1*	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation*	-	1.5	-	1.5
Max Variable Initial*	-	46	-	46
Time Before Reduction*	-	15	-	15
Time To Reduction*	-	45	-	45
Minimum Gap	-	3.4	-	3.4
Recall Mode	-	MIN RECALL	-	MIN RECALL
Vehicle Call Memory	-	YELLOW	-	YELLOW
Dual Entry	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON

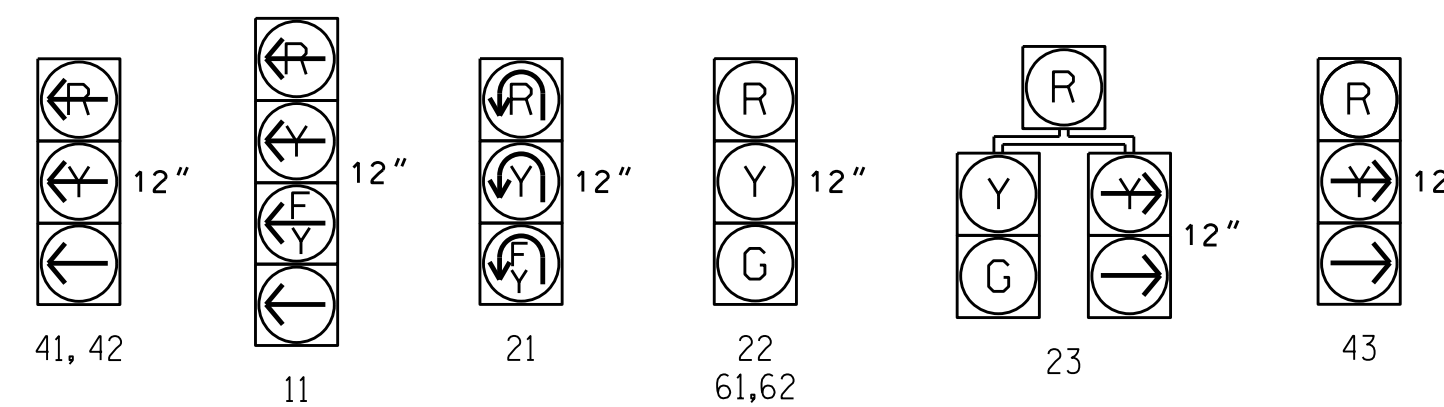
OASIS 2070 LOOP & DETECTOR INSTALLATION

INDUCTIVE LOOPS				DETECTOR PROGRAMMING								
LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	6X60	2-4-2	0	-	1	Y	Y	-	-	-	15*	-
1B	6X60	2-4-2	0	-	1	Y	Y	-	-	-	10	-
2A	6X6	6	420	-	2	Y	Y	-	-	-	-	-
2B	6X6	6	420	-	2	Y	Y	-	-	-	-	-
2C	6X40	2-4-2	0	Y	2	Y	Y	Y	-	-	3	Y
4A	6X60	2-4-2	0	-	4	Y	Y	-	-	-	3	-
4B	6X60	2-4-2	0	-	4	Y	Y	-	-	-	-	-
6A	6X6	6	420	-	6	Y	Y	-	-	-	-	-
6B	6X6	6	420	-	6	Y	Y	-	-	-	-	-

* Disable delay during alternate phasing operation.
Disable phase call for loop during alternate phasing operation.

SIGNAL FACE I.D.

All Heads L.E.D.



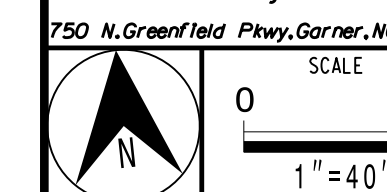
LEGEND

- | PROPOSED | EXISTING |
|--|--|
| ○ → Traffic Signal Head | ● → N/A |
| ○ → Modified Signal Head | ○ → N/A |
| ⊥ Sign | ⊥ Sign |
| ⊥ Pedestrian Signal Head With Push Button & Sign | ⊥ Pedestrian Signal Head |
| ○ → 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 | ⊠ Junction Box |
| ⊠ Junction Box | ⊠ Junction Box |
| --- 2-in Underground Conduit | --- Right of Way |
| → Directional Arrow | → Directional Arrow |
| ⊙ "U-TURN YIELD TO RIGHT TURN" Sign (R10-16) | ⊙ "U-TURN YIELD TO RIGHT TURN" Sign (R10-16) |

Signal Upgrade



US 70 (Statesville Boulevard) at SR 1728 (Barringer Road)
Division 9 Rowan County W. of Salisbury
PLAN DATE: September 2021 REVIEWED BY:



PREPARED BY: J.A. Lohr	REVIEWED BY:
REVISIONS	INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

ROBERT J. TICE
PROFESSIONAL ENGINEER
STATE OF NORTH CAROLINA
LICENSE NO. 026486

9/30/2021
DATE

SIG. INVENTORY NO. 09-1065