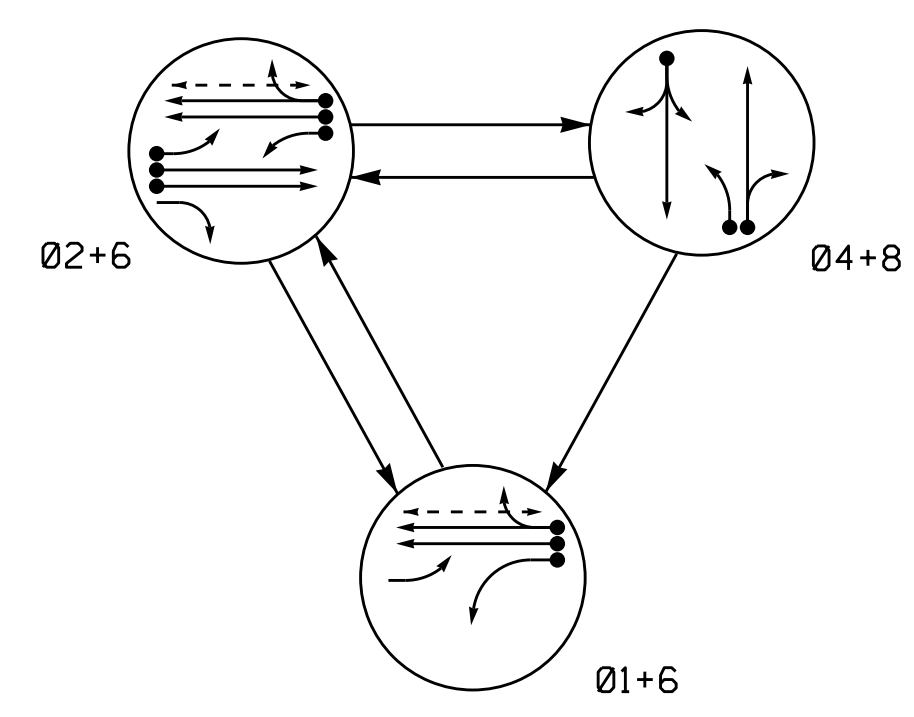


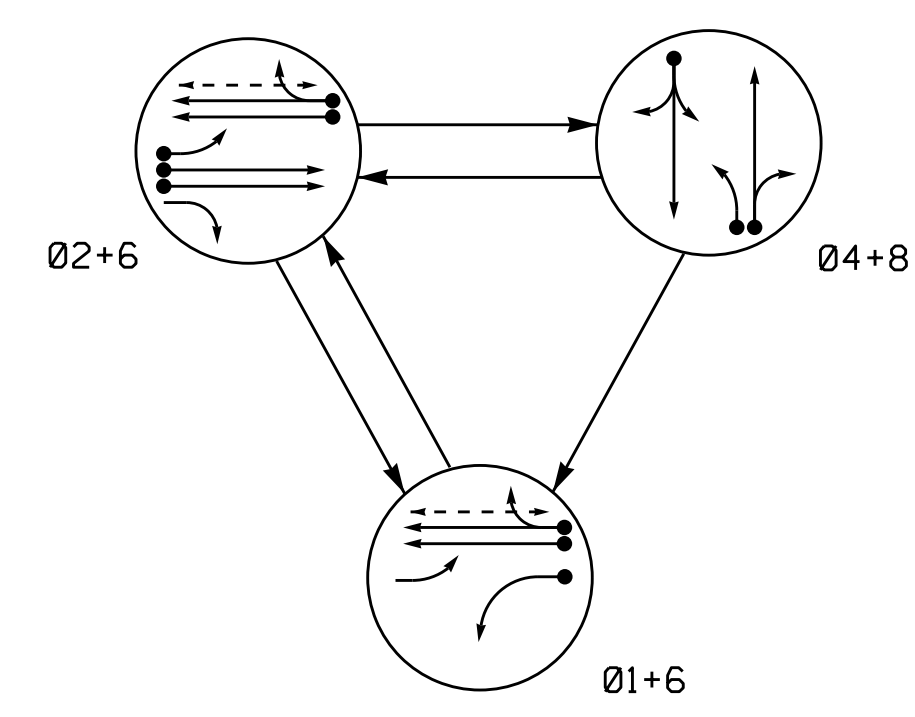
DEFAULT PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	Ø 1 + 6	Ø 2 + 6	Ø 4 + 8	FLASH
11	←	←	←	←
21	←	←	←	←
22, 23	R	G	R	Y
41, 42	R	R	G	R
61, 62	G	G	R	Y
81	←	←	←	←
82, 83, 84	R	R	G	R
P61, P62	W	W	DW	DRK

ALTERNATE PHASING DIAGRAM



ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	Ø 1 + 6	Ø 2 + 6	Ø 4 + 8	FLASH
11	←	←	←	←
21	←	←	←	←
22, 23	R	G	R	Y
41, 42	R	R	G	R
61, 62	G	G	R	Y
81	←	←	←	←
82, 83, 84	R	R	G	R
P61, P62	W	W	DW	DRK

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD	
					PHASE	CALLING EXTENSION FULL TIME DELAY	STRETCH TIME	DELAY TIME				
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	★15	-	Y
2A	6X6	300	5	Y	#6	Y	Y	-	-	3	-	Y
2B	6X6	300	5	Y	2	Y	Y	-	-	-	-	Y
2C	6X40	0	2-4-2	Y	2	Y	Y	-	-	3	-	Y
4A	6X15	0	2-4-2	Y	4	Y	Y	-	-	10	-	Y
6A	6X6	300	5	Y	6	Y	Y	-	-	-	-	Y
6B	6X6	300	5	Y	6	Y	Y	-	-	-	-	Y
8A	6X40	0	2-4-2	Y	8	Y	Y	-	-	3	-	Y
8B	6X40	0	2-4-2	Y	8	Y	Y	-	-	10	-	Y
S5	6X6	+230	5	Y	-	-	-	-	-	-	-	Y
S6	6X6	+230	5	Y	-	-	-	-	-	-	-	Y

★ Disable Delay during Alternate Phasing Operation.
Disable Phases(c) during Alternate Phasing Operation.

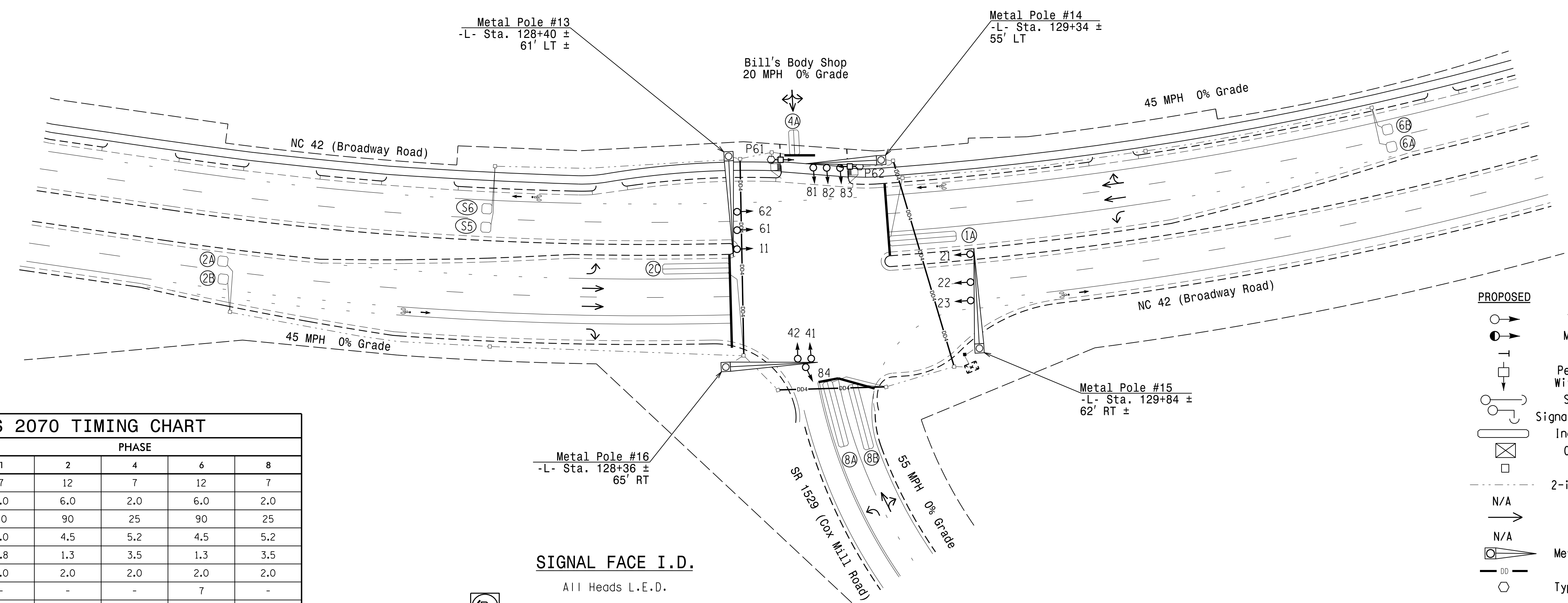
3 Phase Fully Actuated (Signal System #: 10823) (Centrac)

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.
- 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.
- Closed Loop System Data: Controller Asset #: 0649.

PHASING DIAGRAM DETECTION LEGEND

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

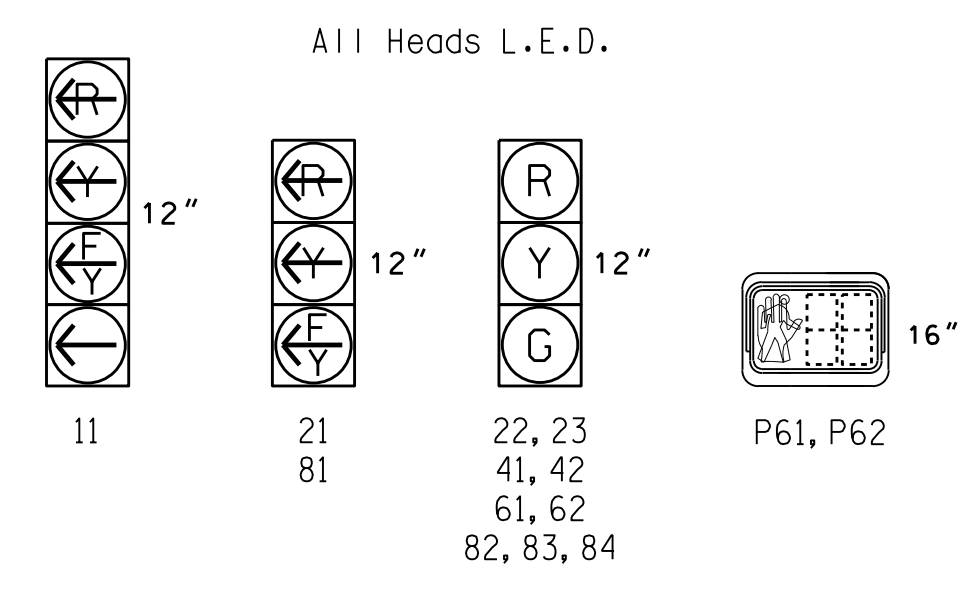


OASIS 2070 TIMING CHART

FEATURE	PHASE				
	1	2	4	6	8
Min Green 1 *	7	12	7	12	7
Extension 1 *	2.0	6.0	2.0	6.0	2.0
Max Variable Initial *	20	90	25	90	25
Yellow Clearance	3.0	4.5	5.2	4.5	5.2
Red Clearance	2.8	1.3	3.5	1.3	3.5
Red Revert	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	7	-
Don't Walk 1	-	-	-	7	-
Seconds Per Actuation *	-	1.5	-	1.5	-
Max Variable Initial *	-	34	-	34	-
Time Before Reduction *	-	15	-	15	-
Time To Reduce *	-	30	-	30	-
Minimum Gap	-	3.2	-	3.2	-
Recall Mode	-	MIN RECALL	-	MIN RECALL	-
Vehicle Call Memory	-	YELLOW	-	YELLOW	-
Dual Entry	-	-	ON	-	ON
Simultaneous Gap	ON	ON	ON	ON	ON

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

SIGNAL FACE I.D.



LEGEND

- | PROPOSED | EXISTING |
|--|--|
| ○ → Traffic Signal Head | ● → Traffic Signal Head |
| ○ → Modified Signal Head | ○ → Modified Signal Head |
| ⊥ Sign | ⊥ Sign |
| ⊥ 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 | — Right of Way |
| N/A Directional Arrow | → Directional Arrow |
| N/A Curb Ramp | ▴ Curb Ramp |
| ⊠ Metal Pole with Mastarm | ⊠ Metal Pole with Mastarm |
| — Directional Drill | — Directional Drill |
| ○ Type II Signal Pedestal | ● Type II Signal Pedestal |

Signal Upgrade - Final Design

	<p>NC 42 (Broadway Road) at SR 1529 (Cox Mill Road) and Bill's Body Shop</p>			
	<p>Division 8 Lee County Sanford</p>	<p>PLAN DATE: March 2022 REVIEWED BY:</p>		<p>SEAL 026486</p>
	<p>PREPARED BY: J.A. Lohr REVIEWED BY:</p>	<p>REVISIONS</p>		<p>DATE</p>
<p>750 N. Greenfield Pkwy, Garner, NC 27526</p>	<p>SCALE 0 40 1" = 40'</p>	<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	<p>DATE 04/20/2022</p>	

3888855.DWG DATE: 03/28/22
 5:11:55 AM TSS: Signal Design Section
 Reg: 04/14/2022 Rev: 10/06/2022
 R-3830-2022-04-20-00.dgn
 RZ:lemba