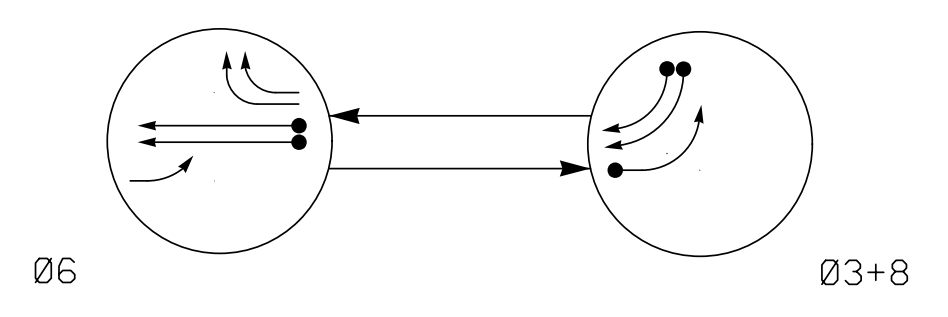


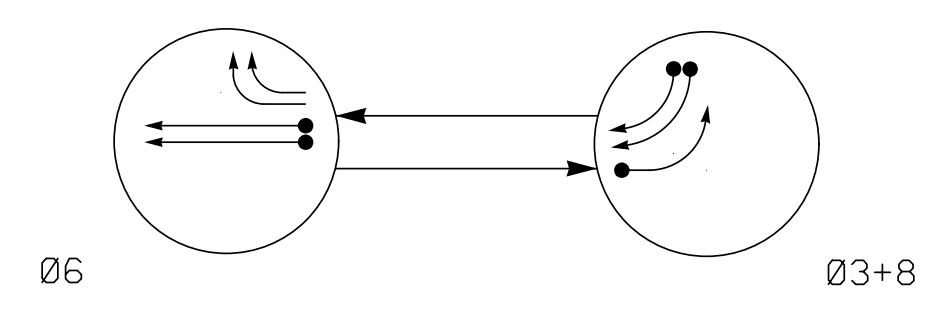
DEFAULT PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE		
	06	03+8	FLASH
31,32	F	Y	Y
61,62	G	R	Y
63,64	→	R	Y
81,82,83	R	→	R

ALTERNATE PHASING DIAGRAM



ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE		
	06	03+8	FLASH
31,32	→	Y	Y
61,62	G	R	Y
63,64	→	R	Y
81,82,83	R	→	R

MAXTIME DETECTOR INSTALLATION CHART

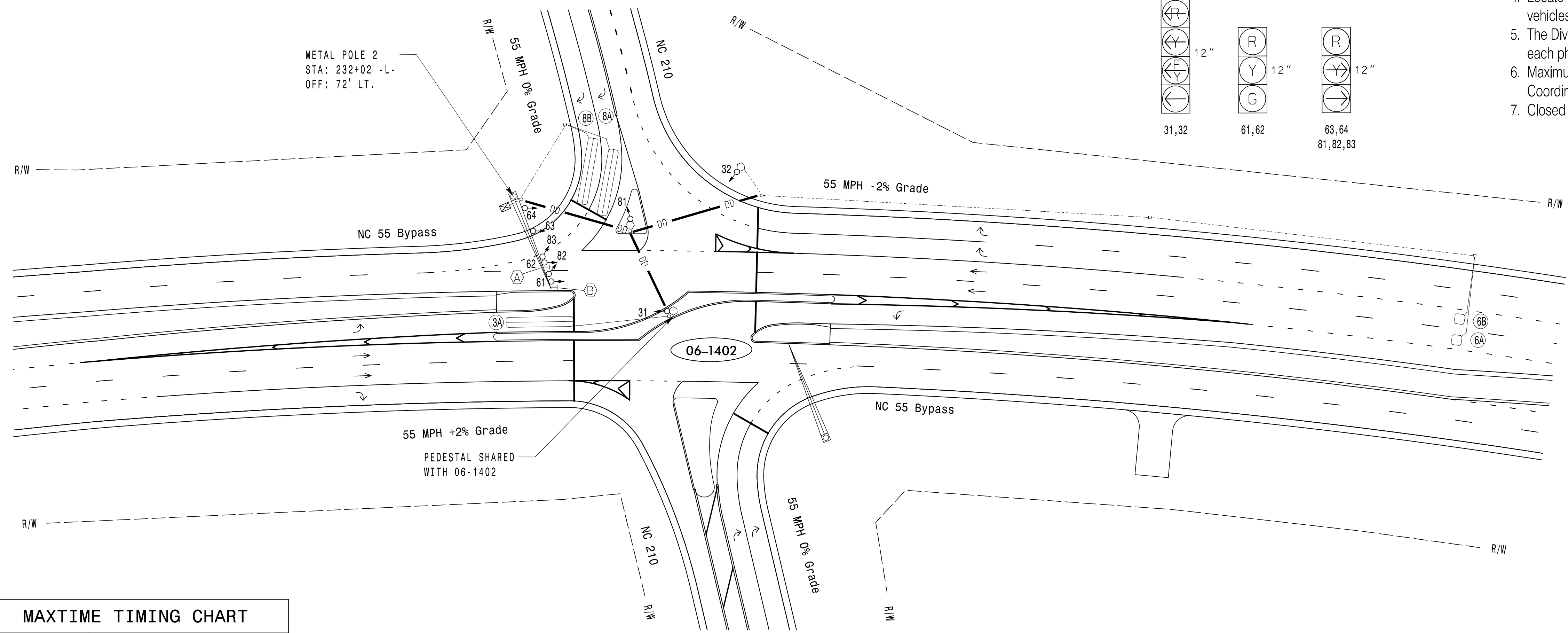
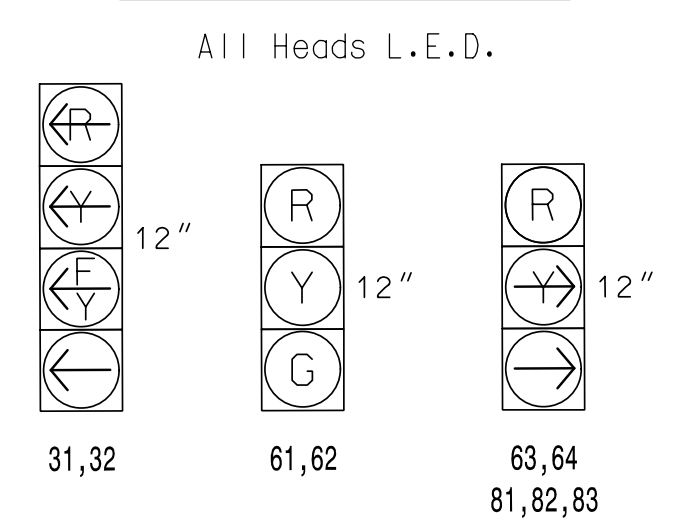
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
3A	6X40	0	2-4-2	X	3	15*	-	X	-	X	-	X
6A	6X6	420	6	X	6	-	-	X	X	X	-	X
6B	6X6	420	6	X	6	-	-	X	X	X	-	X
8A	6X40	0	2-4-2	X	8	15	-	X	-	X	-	X
8B	6X40	0	2-4-2	X	8	15	-	X	-	X	-	X

* Disable delay during Alternate Phasing operation.

PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE I.D.



MAXTIME TIMING CHART

FEATURE	PHASE		
	3	6	8
Walk *	-	-	-
Ped Clear *	-	-	-
Min Green	7	14	7
Passage *	2.0	6.0	2.0
Max 1 *	30	90	30
Yellow Change	3.0	5.4	3.0
Red Clear	2.8	1.8	2.8
Added Initial *	-	1.8	-
Maximum Initial *	-	46	-
Time Before Reduction *	-	15	-
Time To Reduce *	-	45	-
Minimum Gap	-	3.4	-
Advance Walk	-	-	-
Non Lock Detector	X	-	X
Vehicle Recall	-	MIN RECALL	-
Dual Entry	X	-	X

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

2 Phase Fully Actuated w/ Alternate Phasing NC 55 Byp. Closed Loop System

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.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 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 #1403.

LEGEND

PROPOSED	EXISTING
○→ Traffic Signal Head	●→ N/A
○→ Modified Signal Head	○→ N/A
⊥ Sign	⊥ N/A
⊥ Pedestrian Signal Head With Push Button & Sign	⊥ N/A
⊥ Metal Pole with Mastarm	⊥ N/A
○ Type II Signal Pedestal	○ N/A
⊗ Inductive Loop Detector	⊗ N/A
⊠ Controller & Cabinet	⊠ N/A
□ Junction Box	□ N/A
—○— Directional Drill	—○— N/A
—○— 2-in Underground Conduit	—○— N/A
N/A Right of Way	N/A
→ Directional Arrow	→
Ⓐ Street Name Sign (D3-1)	Ⓐ
Ⓑ No U-Turn/Left Turn Sign (R3-18)	Ⓑ

New Installation

NC 55 Bypass Southbound at NC 210

Division 6 Harnett County Angier

PLAN DATE: August 2022 REVIEWED BY: KP Baumann

PREPARED BY: CF Davis REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

SEAL 044434

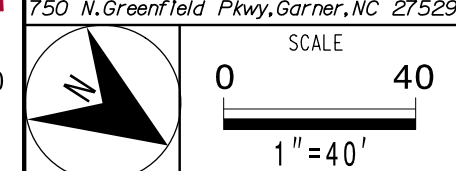
ENGINEER KEVIN P. BAUMANN

SIGNATURE

6/22/2023

SIG. INVENTORY NO. 06-1403

PLANS PREPARED IN THE OFFICE OF:
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