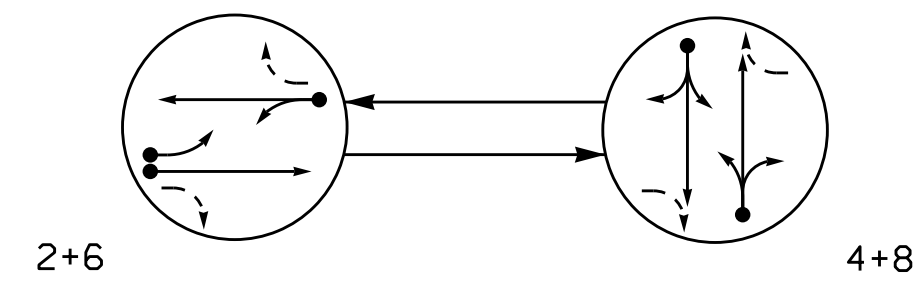


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

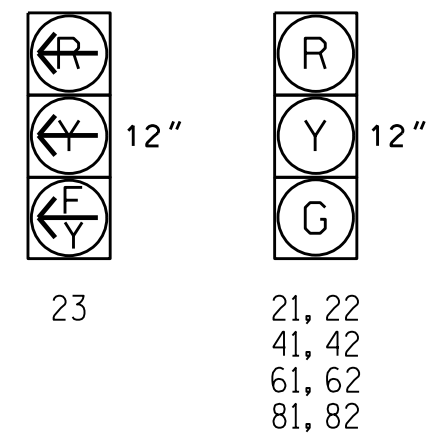
- | | |
|-----------|-------------------------------|
| ←● | DETECTED MOVEMENT |
| ← | UNDETECTED MOVEMENT (OVERLAP) |
| ← - - | UNSIGNALIZED MOVEMENT |
| ↔ - - - ↔ | PEDESTRIAN MOVEMENT |

TABLE OF OPERATION	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

SIGNAL FACE	PHASE		
	2 + 6	4 + 8	FLASH
21, 22	G	R	R
23	E Y	R	R
41, 42	R	G	R
61, 62	G	R	R
81, 82	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



MAXTIME DETECTOR INSTALLATION CHART

DETECTOR					PROGRAMMING							NEW CARD
LOOP / ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	
2A*	6X40	70	*	X	2	-	-	X	-	X	-	*
2B*	6X6	0	*	X	2	-	-	X	-	X	-	*
4A	6X60	0	2-4-2	-	4	5.0	-	X	-	X	-	X
4B	6X6	0	EXIST	-	4	15.0	-	X	-	X	-	X
6A	6X6	70	EXIST	-	6	-	-	X	-	X	-	X
8A	6X60	0	2-4-2	-	8	5.0	-	X	-	X	-	X

* Non-Intrusive Detection Zone

2 Phase
Fully Actuated
(Isolated)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Reposition existing signal heads numbered 21 and 22.
4. Set all detector units to presence mode.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Pavement markings are existing.
7. This intersection uses non-intrusive detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

LEGEND

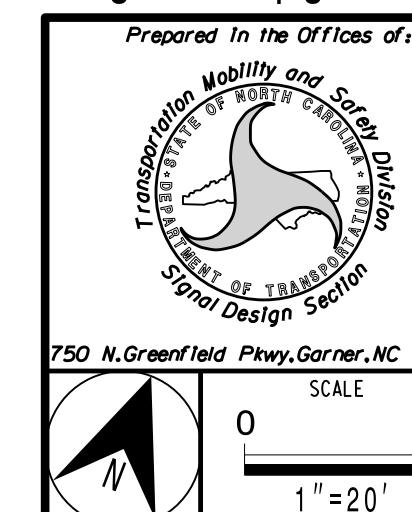
PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
	Right of Way	
	Directional Arrow	
	Construction Zone	
	Non-Intrusive Detection Zone	
	"YIELD" Sign (RI-2)	

MAXTIME TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Walk *	–	–	–	–
Ped Clear	–	–	–	–
Min Green *	10	7	10	7
Passage *	3.0	1.0	3.0	1.0
Max 1 *	40	20	40	20
Yellow Change	3.8	3.8	3.8	3.8
Red Clear	1.6	1.3	1.6	1.3
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	–	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.

Signal Upgrade - Temporary Design



NC 24-27 (Monroe Street)
at
SR 1006 (Carthage Road)

Division 8 Moore County Carthage

PLAN DATE:	July 2024
------------	-----------

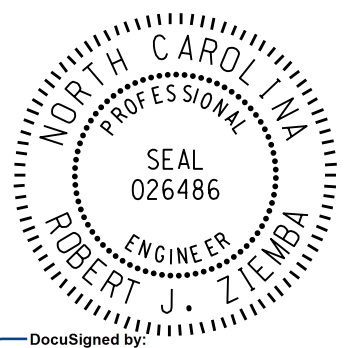
REVIEWED BY:

REVISIONS

	DATE
--	------

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

REAL



Robert J. Janta 11/27/2024

1B9B4B66274A494	DATE
SIG. INVENTORY NO.	08-0979T