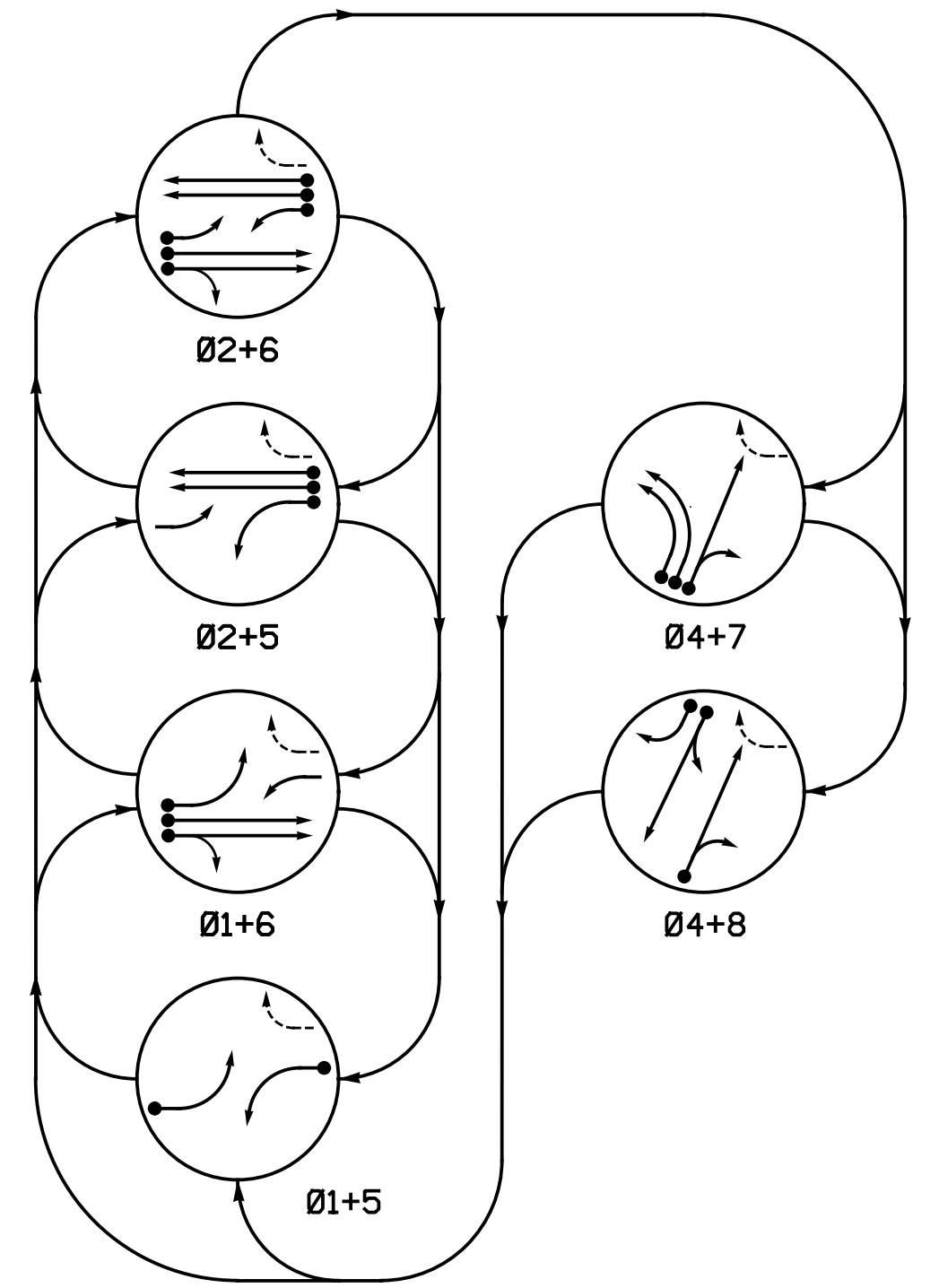


PHASING DIAGRAM



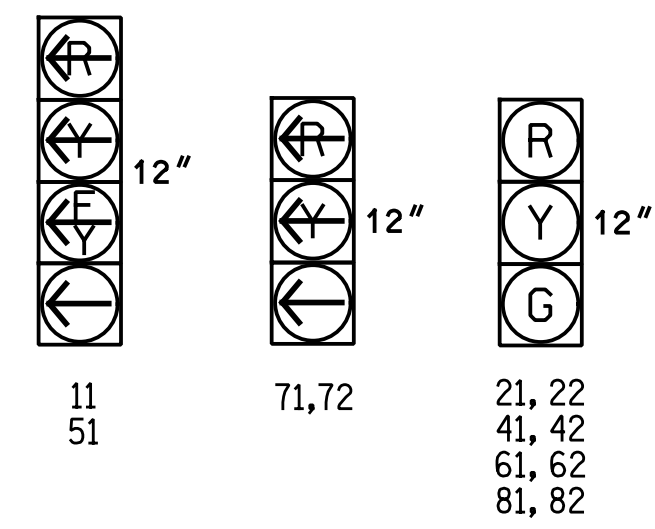
**PHASING DIAGRAM DETECTION LEGEND**  
 ← ● DETECTED MOVEMENT  
 ← ○ UNDETECTED MOVEMENT (OVERLAP)  
 - - - UNSIGNALIZED MOVEMENT  
 ← - - - PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE							
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 4+7	Ø 4+8	F	L
11	-	-	F	F	R	R	*	*
21, 22	R	R	G	G	R	R	Y	
41, 42	R	R	R	R	G	G	R	
51	-	F	-	F	R	R	*	*
61, 62	R	G	R	G	R	R	Y	
71, 72	R	R	R	R	-	-	R	
81, 82	R	R	R	R	R	G	R	

SIGNAL FACE I.D.

All Heads L.E.D.



MAXTIME DETECTOR INSTALLATION CHART

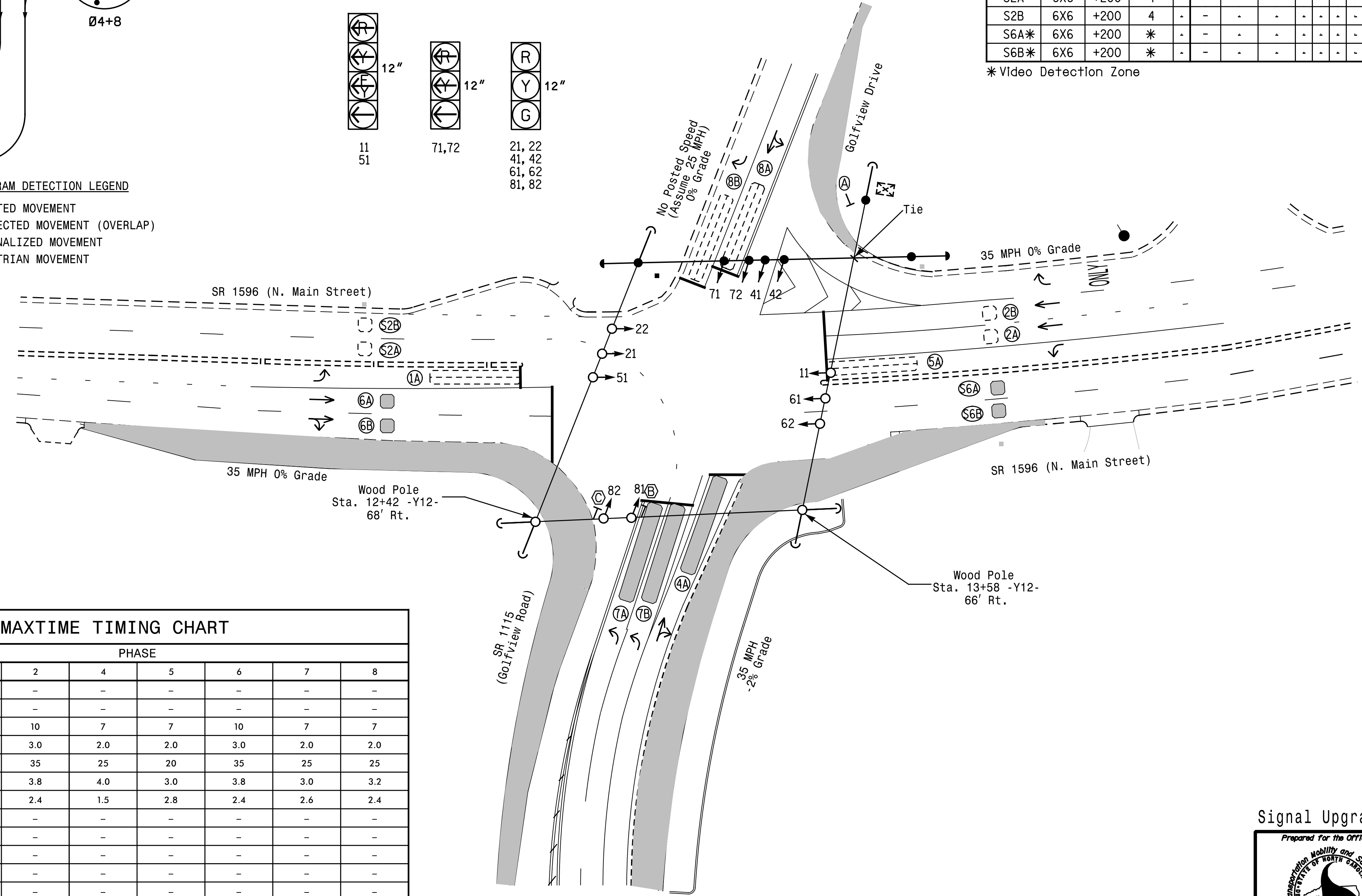
LOOP/ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING								
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD	
1A	6X40	0	2-4-2	*	1	15	-	X	X	-	-	-	-
					6	-	-	-	X	X	-	-	-
2A,2B	6X6	70	4	-	2	-	-	-	X	X	-	-	-
4A*	6X40	0	*	-	4	10	-	X	X	-	-	-	-
5A	6X40	0	2-4-2	*	5	15	-	X	X	-	-	-	-
					2	-	-	-	X	X	-	-	-
6A,6B*	6X6	70	*	-	6	-	-	-	X	X	-	-	-
7A*	6X40	0	*	-	7	3	-	X	X	-	-	-	-
7B*	6X40	0	*	-	7	-	-	X	X	-	-	-	-
8A	6X40	0	2-4-2	-	8	3	-	X	X	-	-	-	-
8B	6X40	0	2-4-2	-	8	15	-	X	X	-	-	-	-
S2A	6X6	+200	4	-	-	-	-	-	-	-	-	-	-
S2B	6X6	+200	4	-	-	-	-	-	-	-	-	-	-
S6A*	6X6	+200	*	-	-	-	-	-	-	-	-	-	-
S6B*	6X6	+200	*	-	-	-	-	-	-	-	-	-	-

\* Video Detection Zone

6 Phase Fully Actuated System #D06-03\_Hope Mills

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.
- Phase 1 and/or phase 5 may be lagged.
- Set all detector units to presence mode.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Install new controller in existing cabinet.

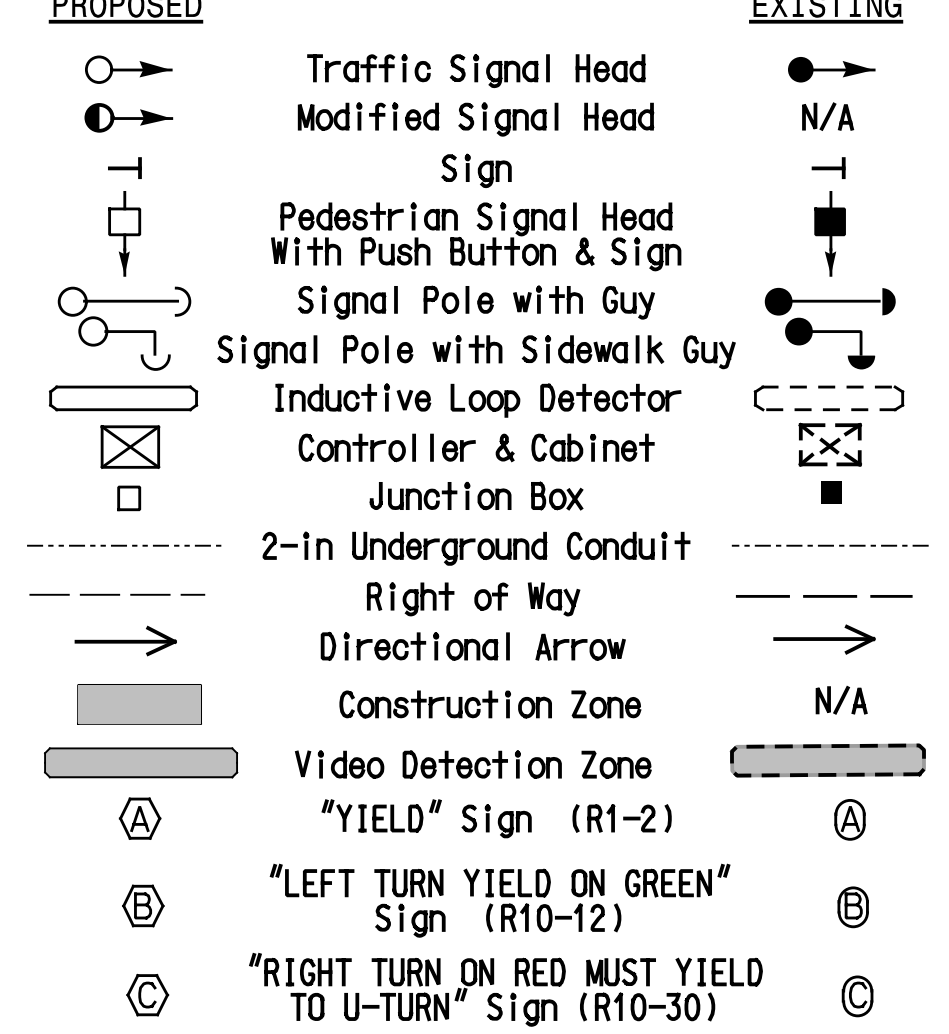


MAXTIME TIMING CHART

FEATURE	PHASE							
	1	2	4	5	6	7	8	
Walk *	-	-	-	-	-	-	-	-
Ped Clear *	-	-	-	-	-	-	-	-
Min Green *	7	10	7	7	10	7	7	
Passage *	2.0	3.0	2.0	2.0	3.0	2.0	2.0	
Max I *	25	35	25	20	35	25	25	
Yellow Change	3.0	3.8	4.0	3.0	3.8	3.0	3.2	
Red Clear	3.2	2.4	1.5	2.8	2.4	2.6	2.4	
Added Initial *	-	-	-	-	-	-	-	
Maximum Initial *	-	-	-	-	-	-	-	
Time Before Reduction *	-	-	-	-	-	-	-	
Time To Reduce *	-	-	-	-	-	-	-	
Minimum Gap	-	-	-	-	-	-	-	
Advance Walk	-	-	-	-	-	-	-	
Non Lock Detector	X	-	X	X	-	X	X	
Vehicle Recall	-	MIN RECALL	-	-	MIN RECALL	-	-	
Dual Entry	-	-	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



Signal Upgrade - Temporary Design 1 (TMP Phase I)

1 Glenwood Avenue  
Raleigh, NC 27603  
Tel: 919.789.9977  
Fax: 919.789.9591  
License: F-0453

SR 1596 (N. Main Street)  
at  
SR 1115 (Golfview Road)

Division 6 Cumberland County Hope Mills

PLAN DATE: March 2024 REVIEWED BY: G.G. Murr, Jr.  
PREPARED BY: B.E. Wynn REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DATE

3/15/2024 X:\2018\BSE18-018-00 NCDOT Div 6 U-4709\BMT\off\gms\gnals\sig\4709\_sig\_ben\_0608411.dgn