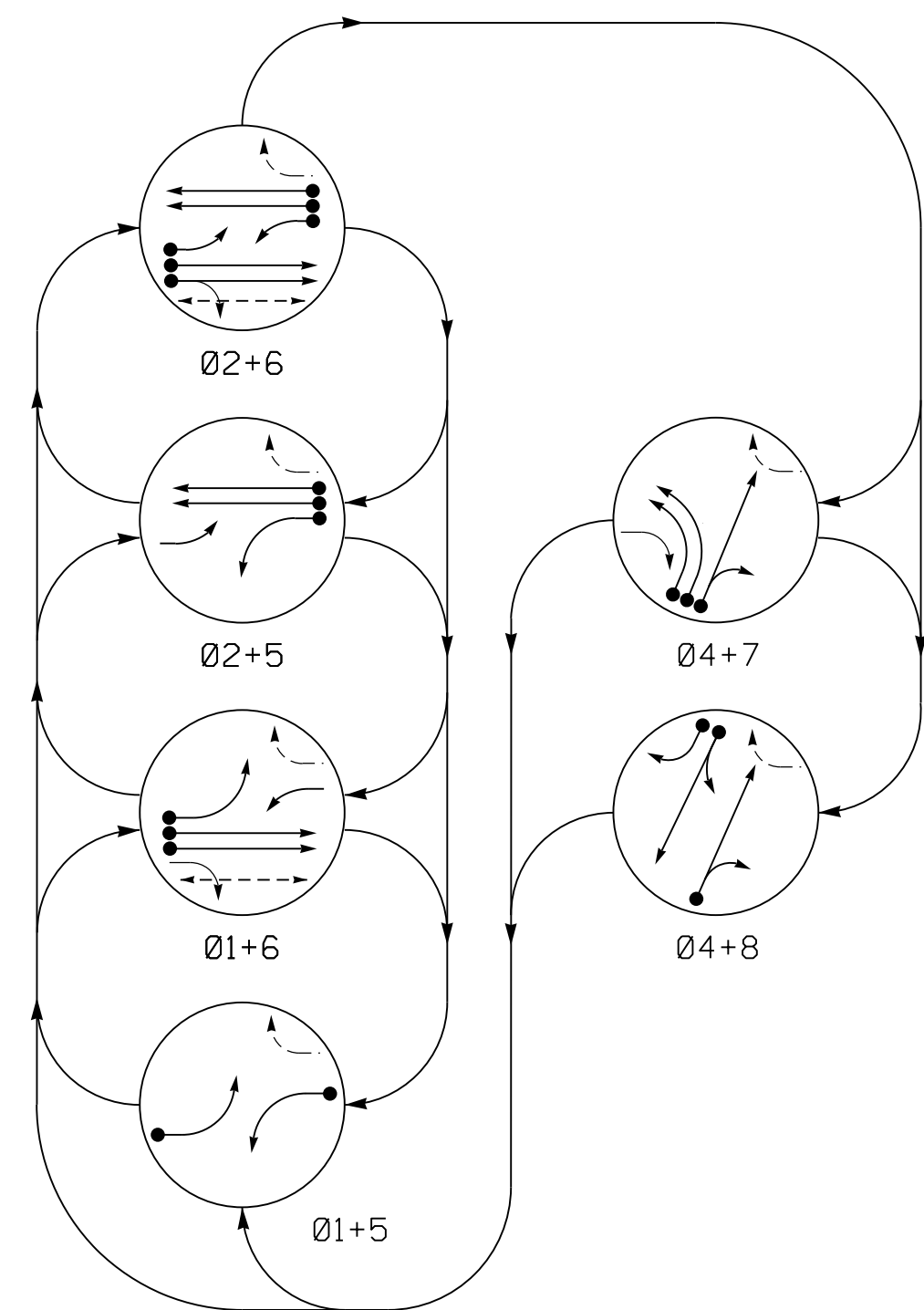


PHASING DIAGRAM

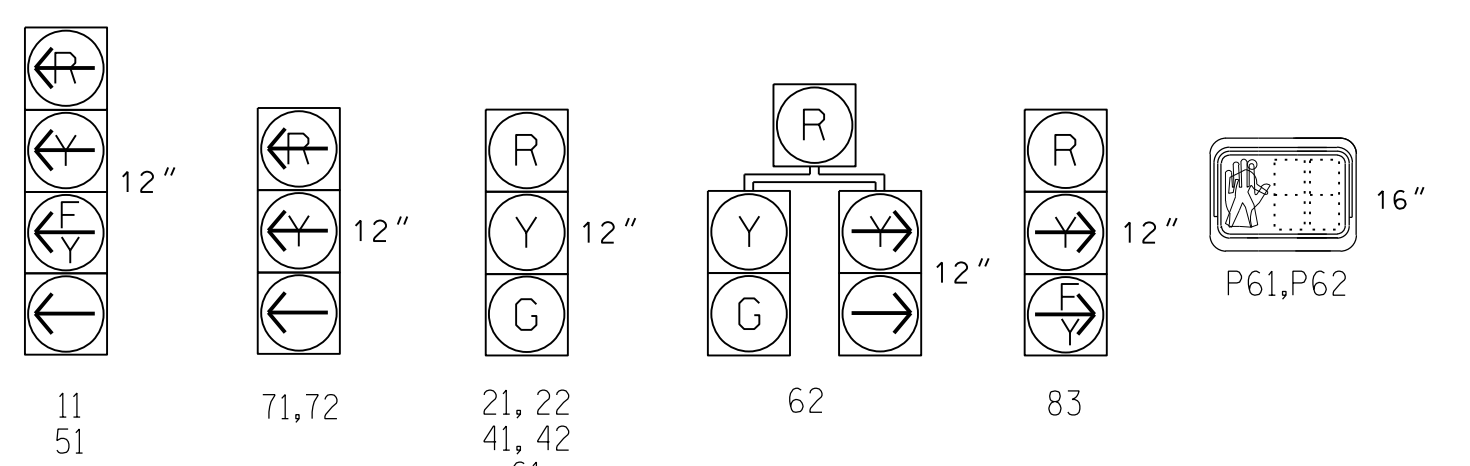


PHASING DIAGRAM DETECTION LEGEND
● DETECTED MOVEMENT
— UNDETECTED MOVEMENT (OVERLAP)
- - - UNSIGNALIZED MOVEMENT
- - - PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE					FLASH
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 4+7	
11	-	-	-	-	-	-
21, 22	R	R	G	G	R	Y
41, 42	R	R	R	R	G	R
51	-	-	-	-	-	-
61	R	G	R	G	R	Y
62	R	G	R	G	R	Y
71, 72	-R	-R	-R	-R	-R	-R
81,82	R	R	R	R	R	G
83	R	R	R	R	R	Y
P61,P62	DW	W	DW	W	DW	DRK

SIGNAL FACE I.D.

All Heads L.E.D.

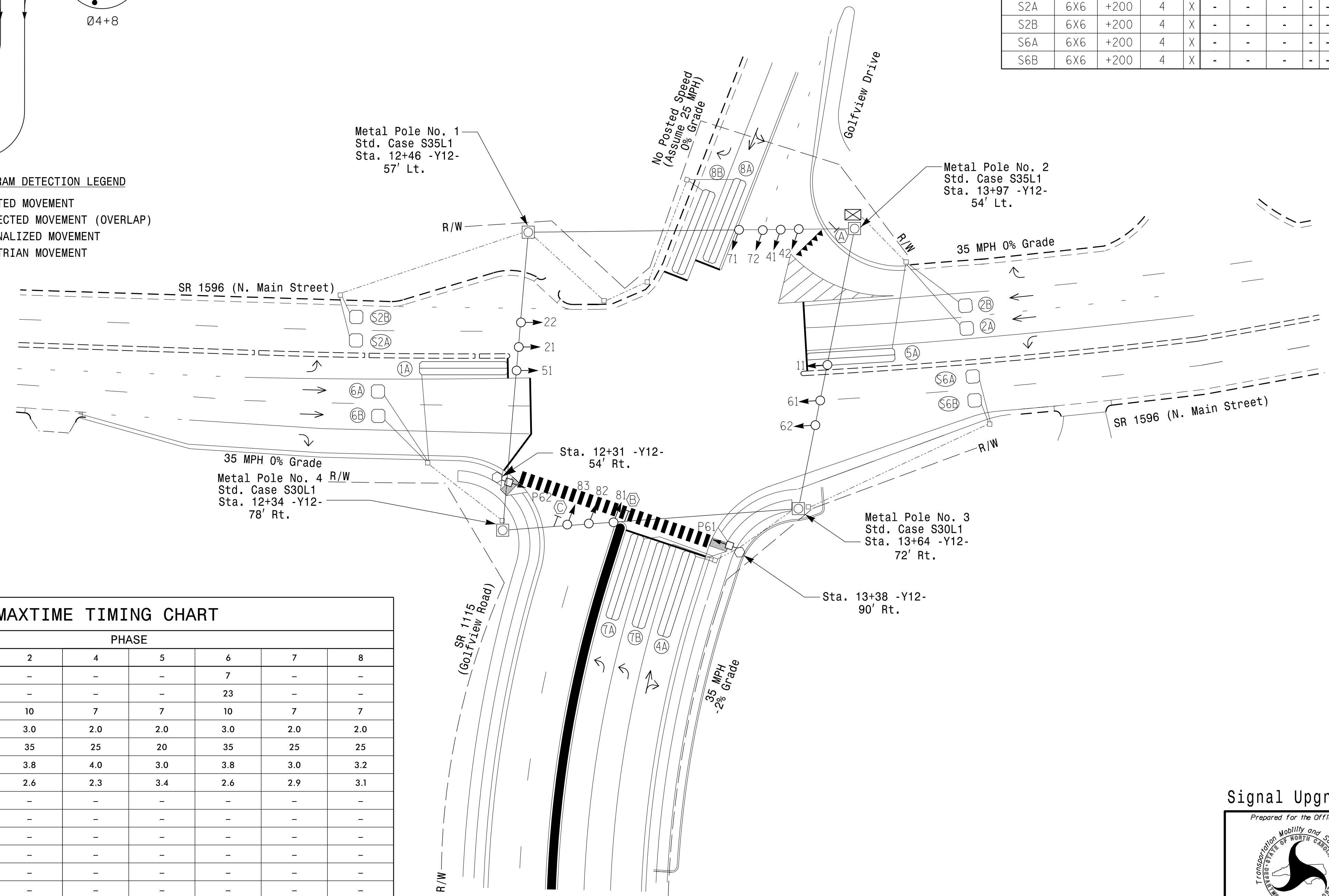


LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	INITIAL CALL	CALL DURING GREEN	NEW CARD	
1A	6X40	0	2-4-2	X	1	15	-	X	X	X	X	X
2A,2B	6X6	70	4	X	2	-	-	X	X	X	X	X
4A	6X40	0	2-4-2	X	4	10	-	X	X	X	X	X
5A	6X40	0	2-4-2	X	5	15	-	X	X	X	X	X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

6 Phase Fully Actuated System #D06-03_Hope Mills

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. Phase 1 and/or phase 5 may be lagged.
- 4. Set all detector units to presence mode.
- 5. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 6. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 8. Refer to Pavement Marking Plans for Stopbar and Crosswalk Locations.



LEGEND

- PROPOSED: Traffic Signal Head, Modified Signal Head, 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, Metal Strain Pole, Type II Signal Pedestal, "YIELD" Sign, "LEFT TURN YIELD ON GREEN" Sign, "RIGHT TURN ON RED MUST YIELD TO U-TURN" Sign.
- EXISTING: N/A, T, Signal Pole with Guy, Junction Box, Right of Way, Directional Arrow, Metal Strain Pole, Type II Signal Pedestal, "YIELD" Sign, "LEFT TURN YIELD ON GREEN" Sign, "RIGHT TURN ON RED MUST YIELD TO U-TURN" Sign.

MAXTIME TIMING CHART

FEATURE	PHASE							
	1	2	4	5	6	7	8	
Walk *	-	-	-	-	7	-	-	
Ped Clear	-	-	-	-	23	-	-	
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	2.6	2.3	3.4	2.6	2.9	3.1	
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.

Signal Upgrade-Final Design

Transystems logo and project details including plan date (March 2024), reviewed by (G.G. Murr, Jr.), and a professional engineer seal for Gene G. Murr, Jr.

3/15/2024 11:47:09:stg_dsm_060584.dgn USER:debutt