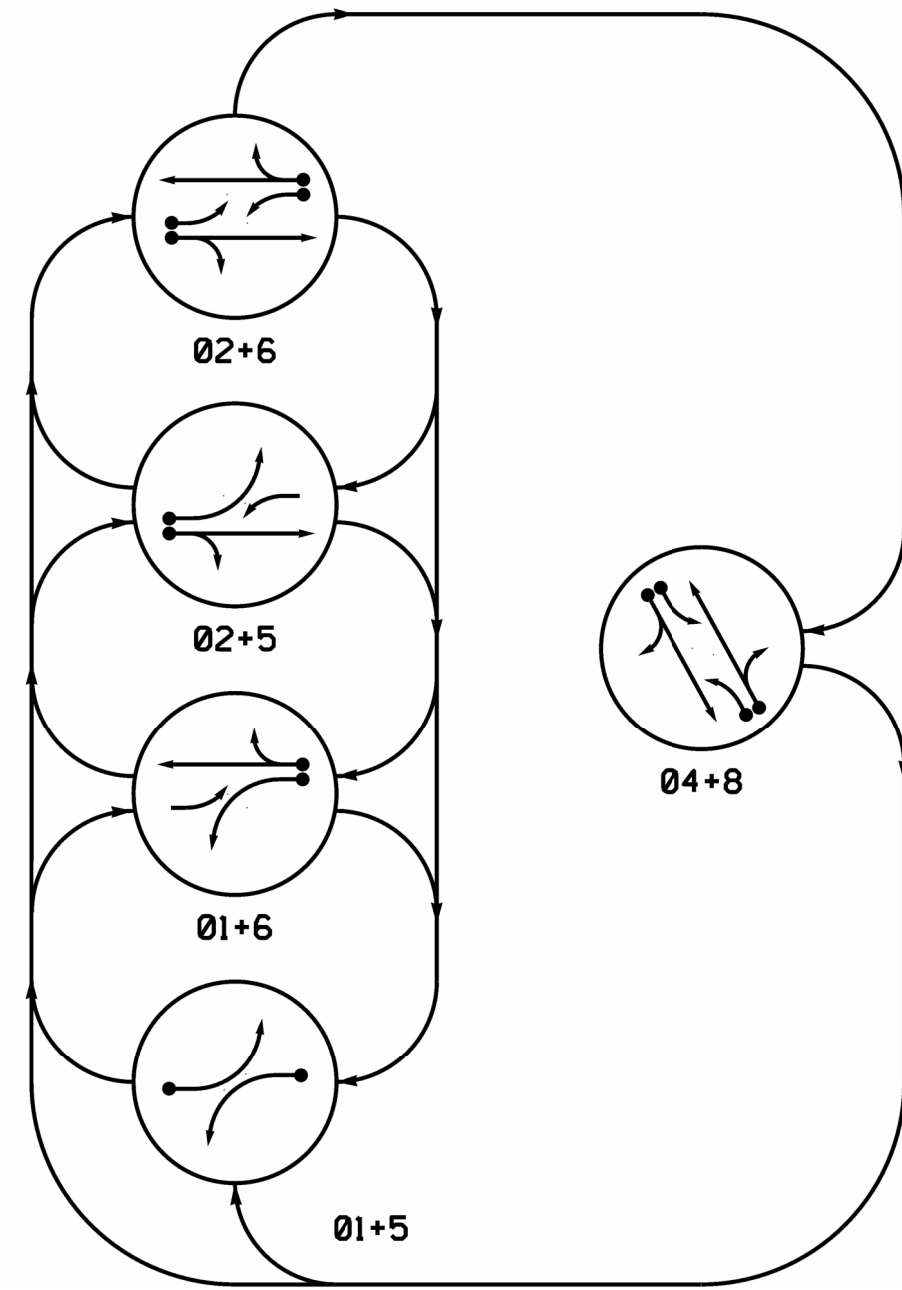


PHASING DIAGRAM



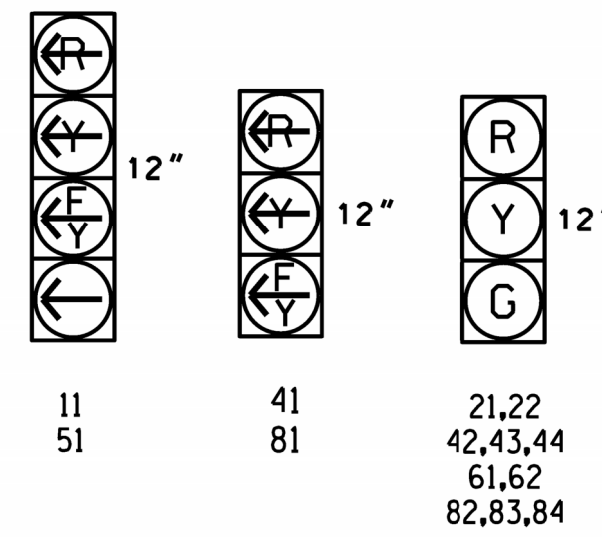
PHASING DIAGRAM DETECTION LEGEND

- ←•→ DETECTED MOVEMENT
- ←-→ UNDETECTED MOVEMENT (OVERLAP)
- ←- - -→ UNSIGNALIZED MOVEMENT
- ←- - - -> PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	04+8	F L
11	—	—	—	—	—	—
21,22	R	R	G	G	R	Y
41	R	R	R	R	F	R
42,43,44	R	R	R	R	G	R
51	—	—	—	—	—	—
61,62	R	G	R	G	R	Y
81	R	R	R	R	F	R
82,83,84	R	R	R	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



MAXTIME DETECTOR INSTALLATION CHART

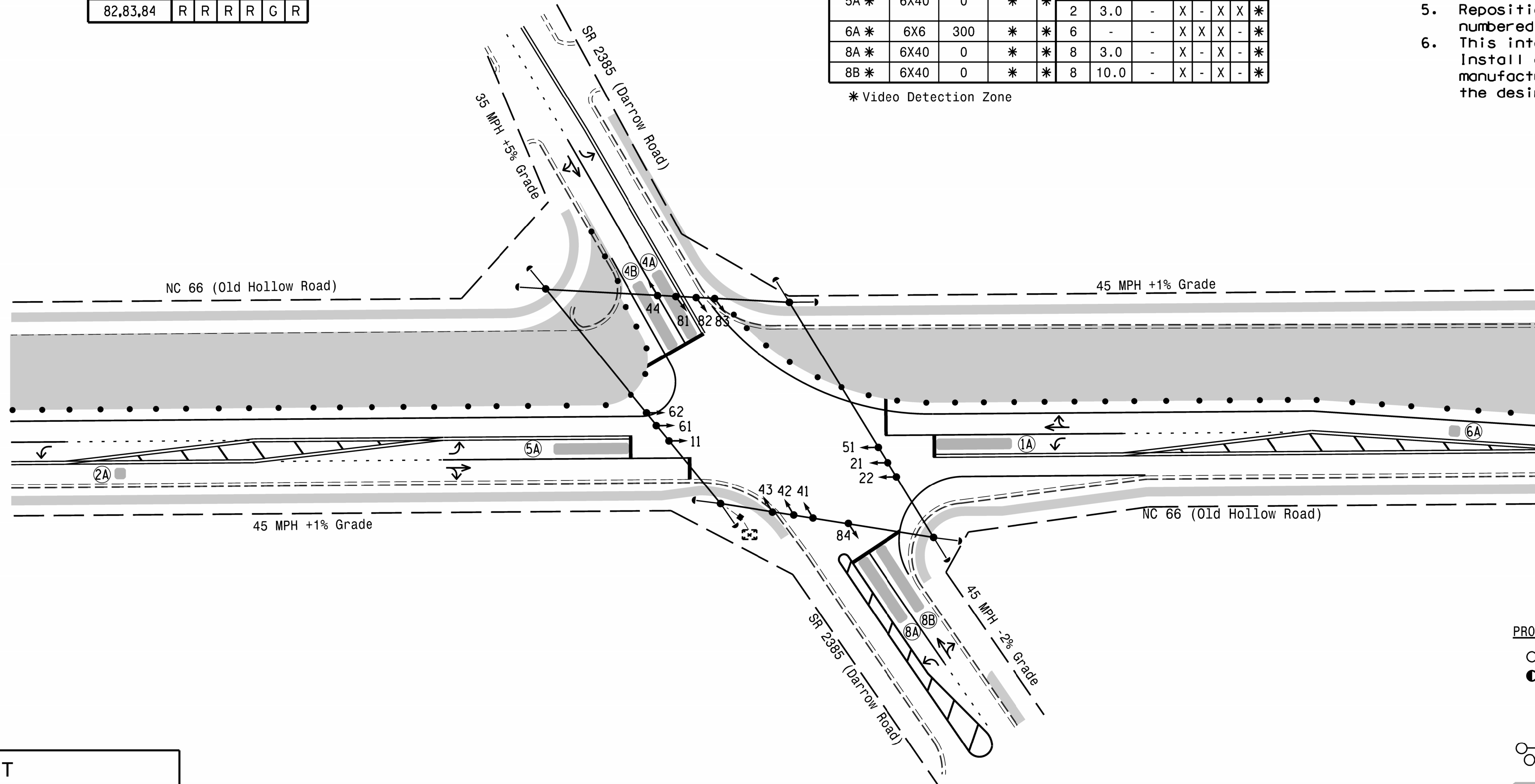
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
1A*	6X40	0	*	*	1	15.0	-	X	-	X	-	*
2A*	6X6	300	*	*	2	-	-	X	X	X	-	*
4A*	6X40	0	*	*	4	3.0	-	X	-	X	-	*
4B*	6X40	0	*	*	4	10.0	-	X	-	X	-	*
5A*	6X40	0	*	*	5	15.0	-	X	-	X	-	*
6A*	6X6	300	*	*	6	-	-	X	X	X	-	*
8A*	6X40	0	*	*	8	3.0	-	X	-	X	-	*
8B*	6X40	0	*	*	8	10.0	-	X	-	X	-	*

\* Video Detection Zone

5 Phase Fully Actuated (Isolated)

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 and/or phase 5 may be lagged.
- Set all detector units to presence mode.
- Reposition existing signal heads numbered 11, 21, 22, 51, 61, and 62.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.



MAXTIME TIMING CHART

FEATURE	PHASE					
	1	2	4	5	6	8
Walk *	-	-	-	-	-	-
Ped Clear *	-	-	-	-	-	-
Min Green *	7	12	7	7	12	7
Passage *	2.0	6.0	2.0	2.0	6.0	2.0
Max I *	20	50	30	20	50	30
Yellow Change	3.0	4.4	4.7	3.0	4.4	4.7
Red Clear	3.1	1.7	2.7	2.6	1.7	2.7
Added Initial *	-	3.0	-	-	3.0	-
Maximum Initial *	-	34	-	-	34	-
Time Before Reduction *	-	15	-	-	15	-
Time To Reduce *	-	30	-	-	30	-
Minimum Gap	-	3.0	-	-	3.0	-
Advance Walk	-	-	-	-	-	-
Non Lock Detector	X	-	X	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.

LEGEND

- |  |   |  |                              |
|--|---|--|------------------------------|
|  | PROPOSED Traffic Signal Head                            |  | EXISTING Traffic Signal Head |
|  | PROPOSED Modified Signal Head                           |  | EXISTING N/A                 |
|  | PROPOSED Sign   |  | EXISTING N/A                 |
|  | PROPOSED Pedestrian Signal Head With Push Button & Sign |  | EXISTING N/A                 |
|  | PROPOSED Signal Pole with Guy                           |  | EXISTING N/A                 |
|  | PROPOSED Video Detection Zone                           |  | EXISTING N/A                 |
|  | PROPOSED Controller & Cabinet                           |  | EXISTING N/A                 |
|  | PROPOSED Junction Box                                   |  | EXISTING N/A                 |
|  | PROPOSED 2-in Underground Conduit                       |  | EXISTING N/A                 |
|  | PROPOSED Right of Way                                   |  | EXISTING N/A                 |
|  | PROPOSED Directional Arrow                              |  | EXISTING N/A                 |
|  | PROPOSED Construction Zone                              |  | EXISTING N/A                 |
|  | PROPOSED Construction Zone Drums                        |  | EXISTING N/A                 |

Signal Upgrade - Temporary Design 2 (TMP Phase II - Step 1)

Prepared in the Office of:  NC FIRM LICENSE No: P-0339 320 Executive Court Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 (FAX)	Prepared For:  TRANSPORTATION MOBILITY AND SAFETY DIVISION STATE OF NORTH CAROLINA SIGNAL DESIGN SECTION 750 N. Greenfield Pkwy, Garner, NC 27525	NC 66 (Old Hollow Road) at SR 2385 (Darrow Road)		SEAL  Edward W. Sirgany ENGINEER DATE: 9/7/2023 SIG. INVENTORY NO. 09-065412
		Division 9 Forsyth County Walkertown PLAN DATE: August 2023 REVIEWED BY: E. Sirgany PREPARED BY: J. Smith REVIEWED BY:	REVISIONS INIT. DATE	