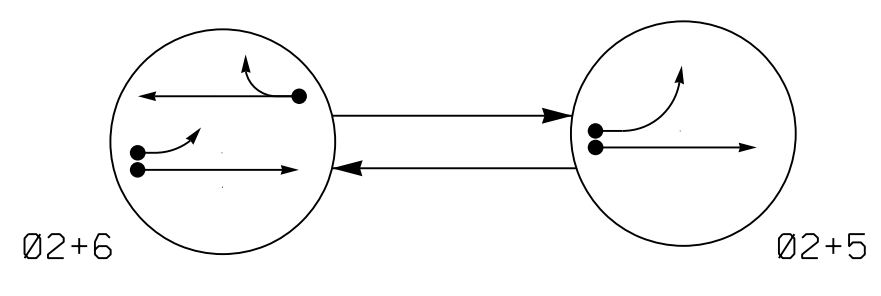


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02+5	02+6	FLASH
21,22	G	G	Y
51	←	←	←
61,62	R	G	Y

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
2A	6X6	70	*	*	2	-	-	X	X	-	*
5A	6X40	0	*	*	5	15.0	-	X	X	-	*
6A	6X6	70	*	*	6	-	-	X	X	-	*

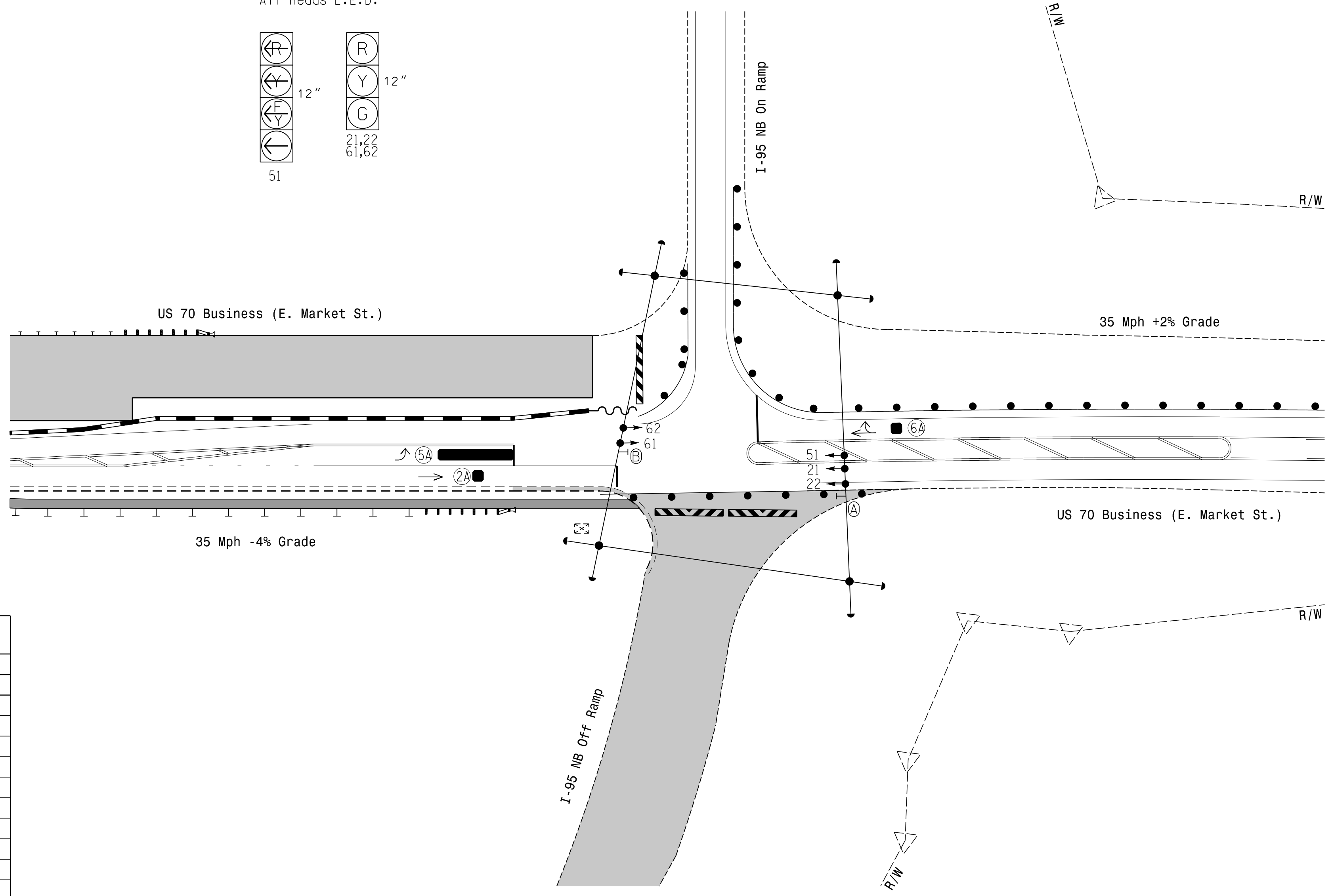
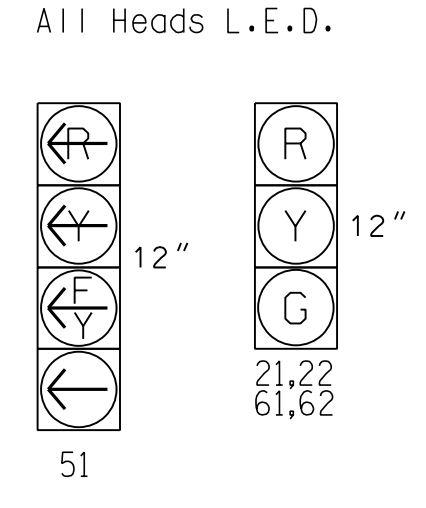
* VIDEO DETECTION ZONE

2 Phase Fully Actuated (Isolated)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Remove existing signal heads numbered 81 and 82.
4. Set all detector units to presence mode.
5. See TMP for pavement marking details.
6. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

SIGNAL FACE I.D.



MAXTIME TIMING CHART

FEATURE	PHASE		
	2	5	6
Walk *	-	-	-
Ped Clear *	-	-	-
Min Green	10	7	10
Passage *	3.0	2.0	3.0
Max 1 *	60	20	60
Yellow Change	4.1	3.0	4.1
Red Clear	2.6	3.3	2.6
Added Initial *	-	-	-
Maximum Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Non Lock Detector	-	X	-
Vehicle Recall	MIN RECALL	-	MIN RECALL
Dual Entry	-	-	-

* 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	EXISTING
	N/A
N/A	

New Location - Temp Design 4 - TMP Phase III Step 3

US 70 Business (E. Market St.) at I-95 NB Ramps

Division 04 Johnston County Smithfield

PLAN DATE: September 2023 REVIEWED BY: DT Sears

PREPARED BY: WP Erickson-Jones REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by: David J. Sears 9/19/2023

SIGNATURE DATE

SIG. INVENTORY NO. 04-145314

9/19/2023 R:\Projects\I-5972\Drawings\Signal\I-5972_04-145314.dgn dsccs