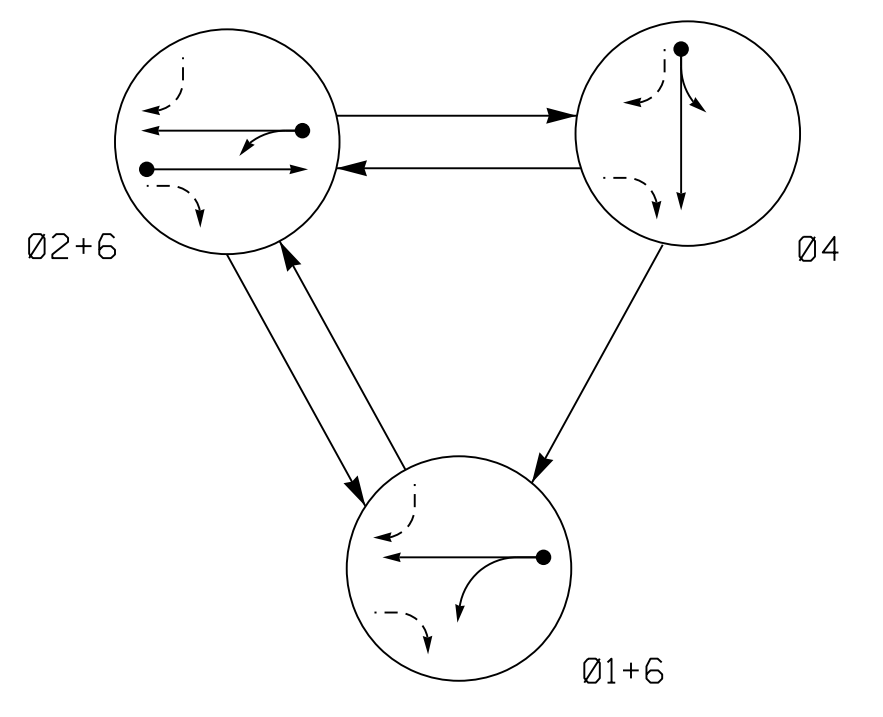


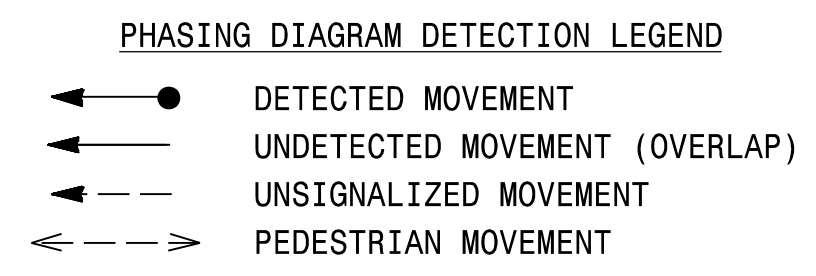
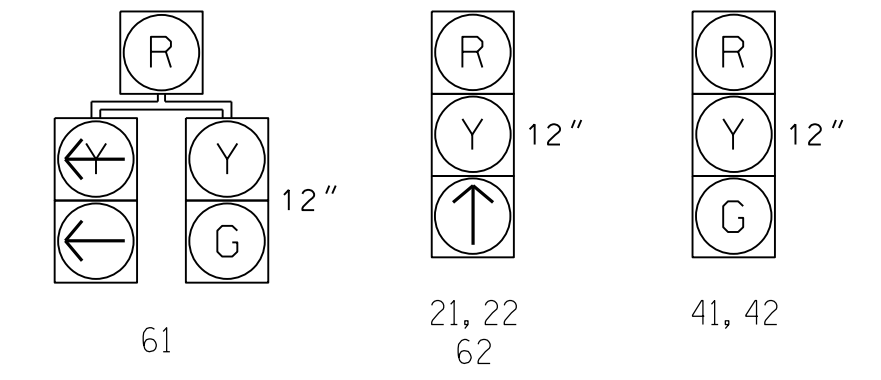
PHASING DIAGRAM



SIGNAL FACE	PHASE			
	01+6	02+6	04	FLASH
21, 22	R	↑	R	Y
41, 42	R	R	G	R
61	↑	G	R	Y
62	↑	↑	R	Y

SIGNAL FACE I.D.

All Heads L.E.D.



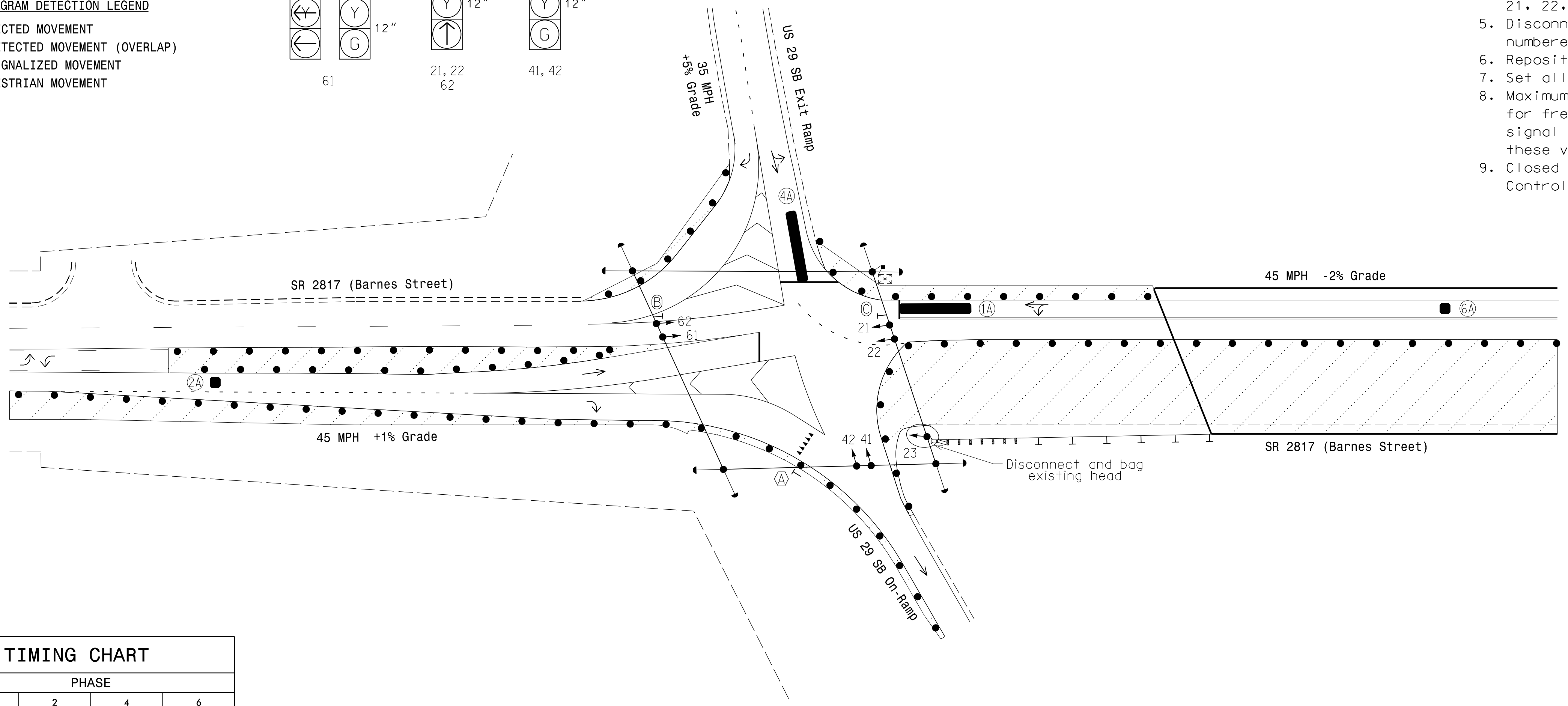
MAXTIME DETECTOR INSTALLATION CHART													
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING								
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	QUEUE	PASSAGE 2	SYSTEM LOOP	NEW CARD
1A*	6X40	0	*	*	1	10	-	X	-	-	X	-	*
2A*	6X6	300	*	*	2	-	-	X	X	-	X	-	*
4A*	6X40	0	*	*	4	-	-	X	-	-	X	-	*
6A*	6X6	300	*	*	6	-	-	X	X	-	X	-	*

* Video Detection Zone

3 Phase Fully Actuated
NC 87/SR 2817 (Barnes Street) CLS
Signal System #: D07-10_Reidsville

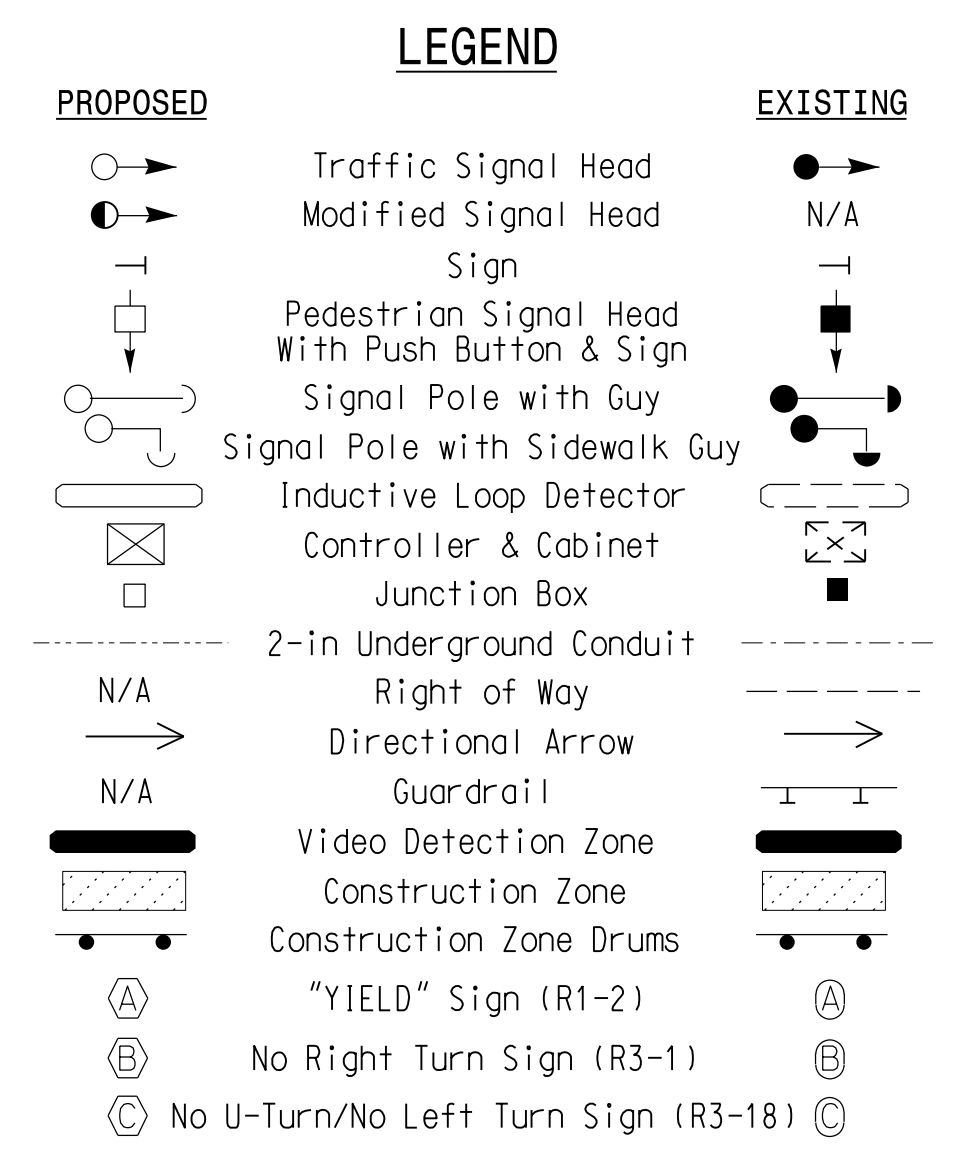
NOTES

- 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 may be lagged.
- Reposition existing signal heads numbered 21, 22, 61, and 62.
- Disconnect and bag existing signal head numbered 23.
- Reposition existing signs B and C.
- Set all detector units to presence mode.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Closed loop system data:
Controller Asset #: 1665.



FEATURE	PHASE			
	1	2	4	6
Walk *	-	-	-	-
Ped Clear *	-	-	-	-
Min Green	7	12	7	12
Passage *	2.0	6.0	2.0	6.0
Passage 2 *	-	-	-	-
Max 1 *	20	90	30	90
Yellow Change	3.0	4.4	3.6	4.7
Red Clear	1.6	1.0	1.2	1.0
Added Initial *	-	2.5	-	2.5
Maximum Initial *	-	34	-	34
Time Before Reduction *	-	20	-	20
Time To Reduce *	-	30	-	30
Minimum Gap	-	3.0	-	3.0
Advance Walk	-	-	-	-
Non Lock Detector	X	-	X	-
Vehicle Recall	-	MIN RECALL	-	MIN RECALL
Dual Entry	-	-	-	-

* These values may be field adjusted. Do not adjust Min Green and Extension 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 - Temp Design 2 (TMP Phase II)

AECOM
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 Phone: 919-461-1100

Prepared for the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

SR 2817 (Barnes Street) at US 29 SB Ramps

Division 7 Rockingham County Reidsville

PLAN DATE: Jan 2023 REVIEWED BY: H.M. Surti

PREPARED BY: M.D. Tindal REVIEWED BY:

REVISIONS INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

DocuSigned by:
Hemanth M. Surti 3/10/2023
 STG: INVENTORY NO. 07-1665T2

3/10/2023 10:44:00 AM C:\Users\paw-bent\OneDrive\Documents\60581577-NCDDT-SM-1-2020\Documents\60581577-NCDDT-TIP\Signal Design Section\SR 2817 (Barnes Street) CLS Signal System #: D07-10_Reidsville.dgn