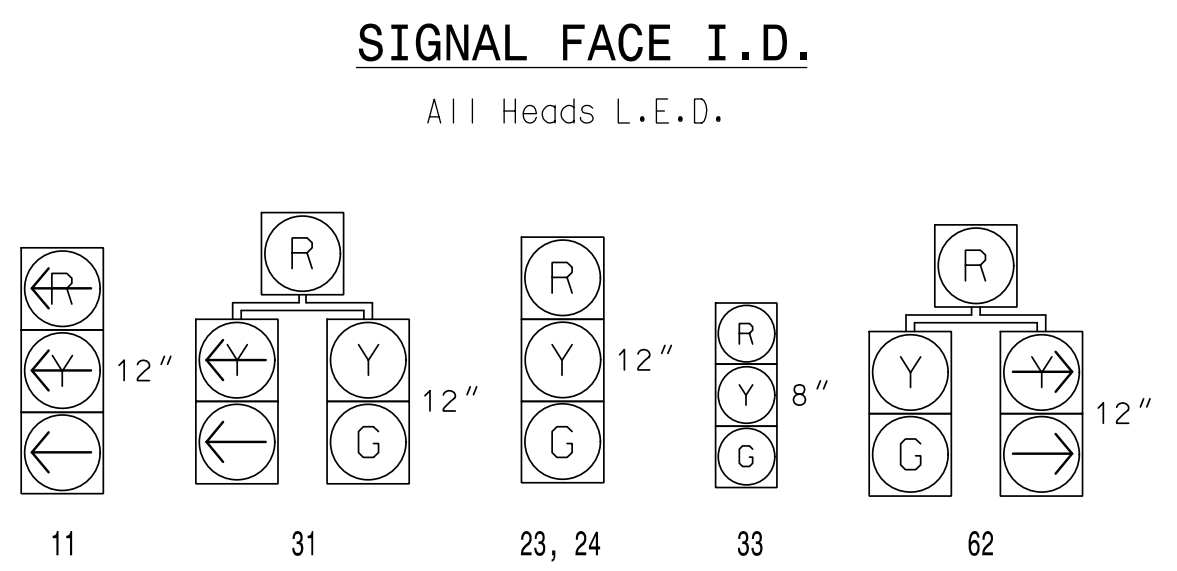


### TABLE OF OPERATION

SIGNAL FACE	PHASE									
	Ø 1 + 6	Ø 2 + 6	Ø 2 + 5	Ø 3	Ø 4	RR	RR	RR	RR	RR
11	←	←	←	←	←	←	←	←	←	←
23,24	R	G	G	R	R	R	R	Y	Y	Y
31	R	R	R	G	R	R	R	Y	Y	Y
32, 33	R	R	R	G	R	R	R	Y	Y	Y
41	R	R	R	R	G	R	R	Y	Y	Y
42, 43	R	R	R	R	G	R	R	Y	Y	Y
52	←	←	←	←	←	←	←	←	←	←
61	G	G	R	R	R	R	R	Y	Y	Y
62	G	G	R	R	R	R	R	Y	Y	Y



### OASIS 2070L LOOP & DETECTOR INSTALLATION

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME			DELAY TIME
1A	6X40	+5	2-4-2	Y	1	Y	Y	-	-	3	-	Y
2A	6X6	70	6	Y	2	Y	Y	-	-	-	-	Y
2B	6X6	70	6	Y	2	Y	Y	-	-	-	-	Y
3A	6X40	+5	2-4-2	Y	3	Y	Y	-	-	3	-	Y
3B	6X40	+5	2-4-2	Y	3	Y	Y	-	-	-	-	Y
4A	6X40	+5	2-4-2	Y	4	Y	Y	-	-	3	-	Y
4B	6X40	+5	2-4-2	Y	4	Y	Y	-	-	-	-	Y
5A	6X40	+5	2-4-2	Y	5	Y	Y	-	-	3	-	Y
6A	6X6	70	6	Y	6	Y	Y	-	-	-	-	Y
6B	6X6	70	6	Y	6	Y	Y	-	-	-	-	Y

### 5 PHASE W/RR PREEMPT FULLY ACTUATED (GOLDSBORO SIGNAL SYSTEM)

- #### NOTES
- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
  - This location contains railroad preemption phasing. Do not program signal for late night flashing operation.
  - Phase 1 or phase 5 may be lagged but phase 1 and 5 cannot run concurrently.
  - The order of phase 3 and phase 4 may be reversed.
  - Set all detector units to presence mode.
  - Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
  - Pavement markings are existing.
  - Program parent phase for Overlap "P" for all phase used in normal operation.
  - Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values.
  - Controller Asset #0556.

### 2070 RAIL PREEMPTION

Interval 1 - Track Clearance Green	0
Interval 1 - Track Clearance Yellow	0
Interval 1 - Track Clearance Red	0
Interval 2 - Dwell Green	255
Interval 2 - Dwell Yellow	0.0*
Interval 2 - Dwell Red	0.0*
Interval 5 - Exit Green	1
Interval 5 - Yellow	0.0
Interval 5 - Red	0.0
Exist Phase(S)	2+6
Priority	High
Delay Time	0
Min Green Before Pre	1
Ped Clear Before Pre	0.0
Yellow Clear Before Pre	3.8
Red Clear Before Pre	4.1
Dwell Min Time	7
Ped Clear Through Yellow	N
Omit Overlaps	P

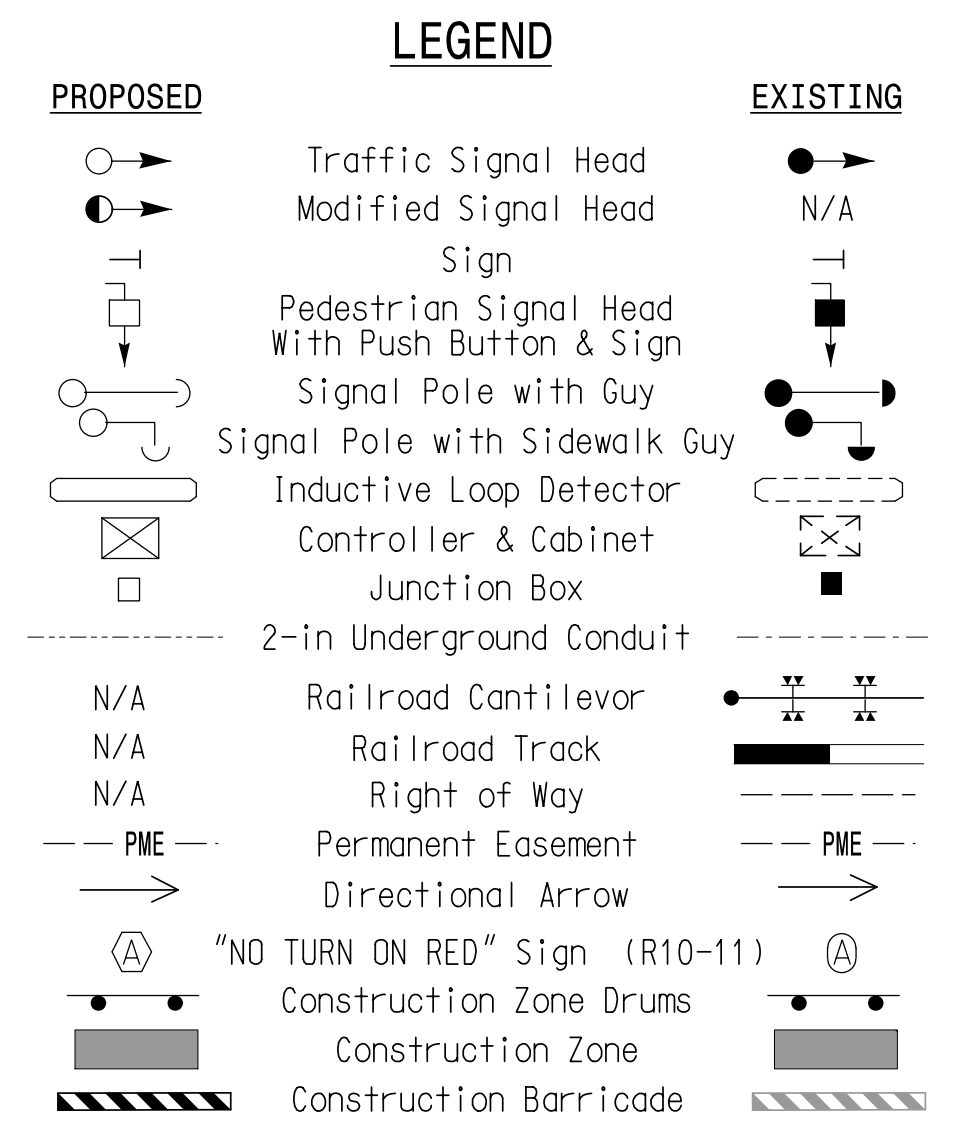
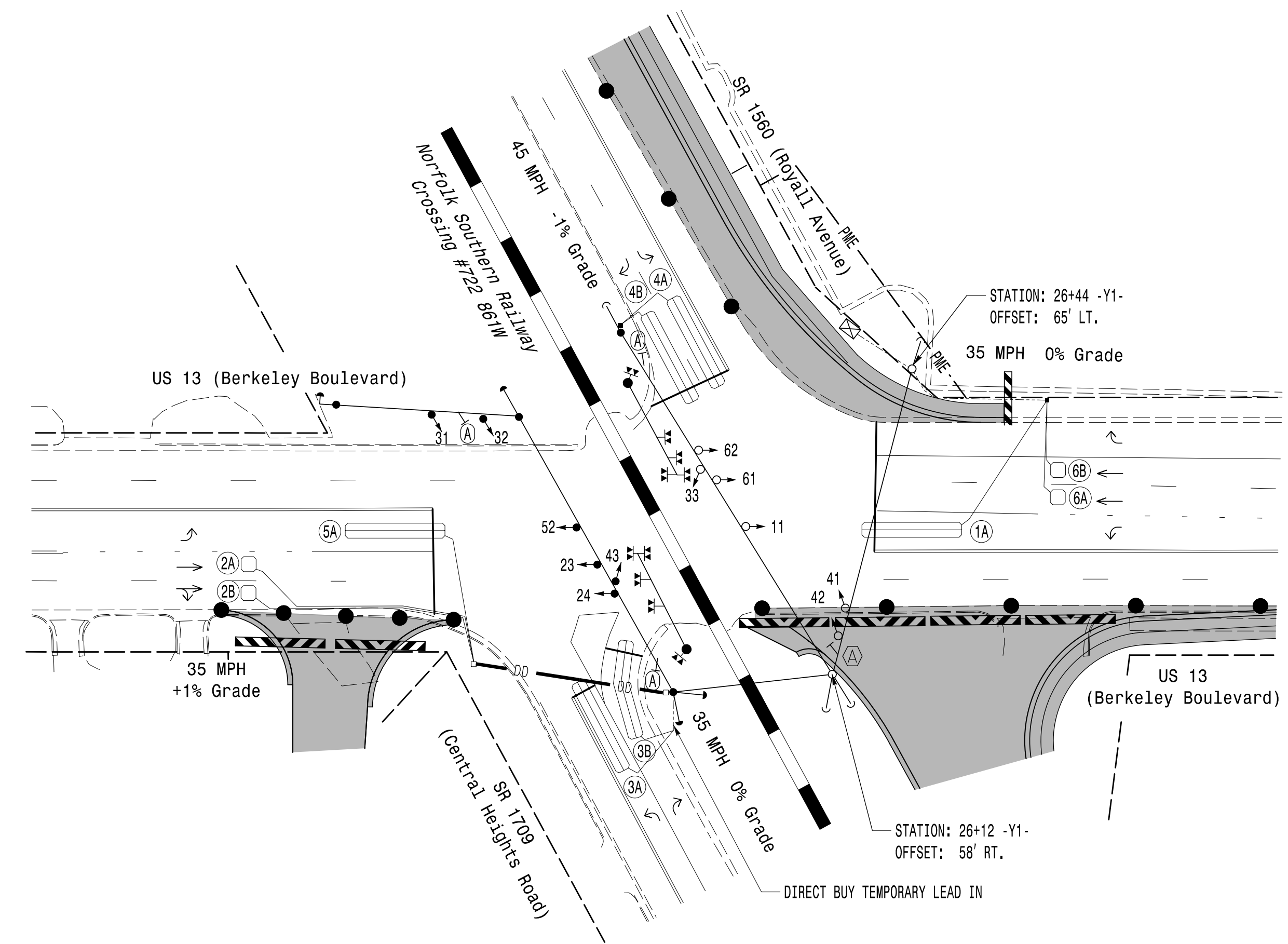
\* Time defaults to time used for phase during normal operation.

**THIS SIGNAL IS DESIGNED FOR SIMULTANEOUS PREEMPTION**

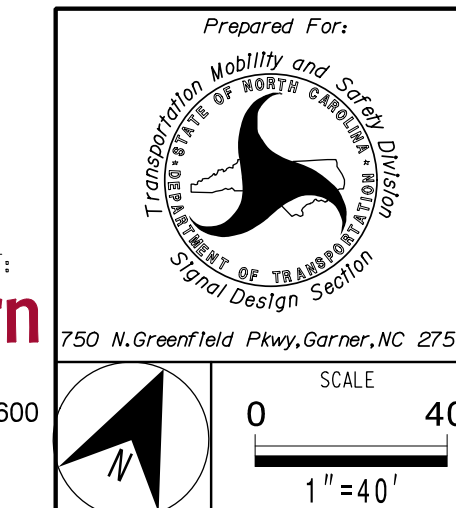
### OASIS 2070L TIMING CHART

FEATURE	PHASE					
	1	2	3	4	5	6
Min Green 1 *	7	10	7	7	7	10
Extension 1 *	2.0	3.0	2.0	2.0	2.0	3.0
Max Green 1 *	25	60	25	30	20	60
Yellow Clearance	3.0	3.8	3.0	3.0	3.0	3.8
Red Clearance	3.8	3.3	3.1	3.2	4.1	3.3
Walk 1 *	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
Seconds Per Actuation *	-	-	-	-	-	-
Max Variable Initial *	-	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW
Dual Entry	-	-	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON	ON	ON

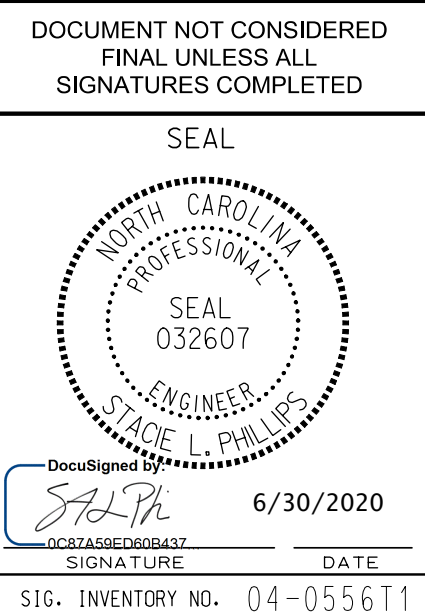
\* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.



### SIGNAL UPGRADE - TEMPORARY DESIGN 1 TMP PHASE 1



US 13 (BERKELEY BLVD.) AT SR 1560 (ROYALL AVE.) & SR 1709 (CENTRAL HTS. RD.)	
DIVISION 4	WAYNE COUNTY
PLAN DATE: DECEMBER 2018	REVIEWED BY: SL PHILLIPS
PREPARED BY: SP PENNINGTON	REVIEWED BY:
REVISIONS	INIT. DATE



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