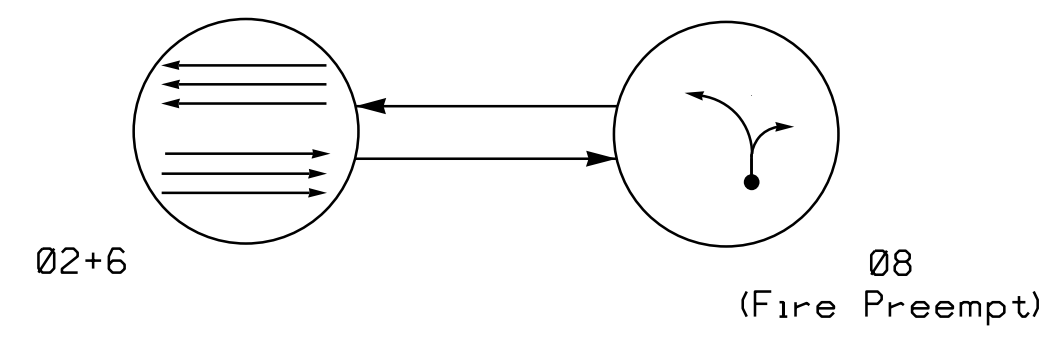


**PHASING DIAGRAM**



**PHASING DIAGRAM DETECTION LEGEND**

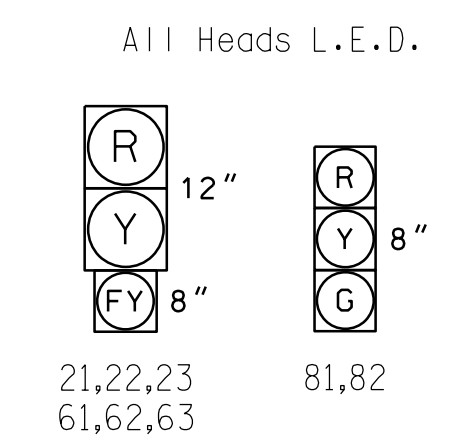
- ◄●◄ DETECTED MOVEMENT
- ◄◄◄ UNDETECTED MOVEMENT (OVERLAP)
- ◄◄◄ UNSIGNALIZED MOVEMENT
- ◄◄◄ PEDESTRIAN MOVEMENT

**TABLE OF OPERATION**

SIGNAL FACE	PHASE		
	02+6	08	FLASH
21, 22, 23	FY	R	Y
61, 62, 63	FY	R	Y
81, 82	DRK	G	R

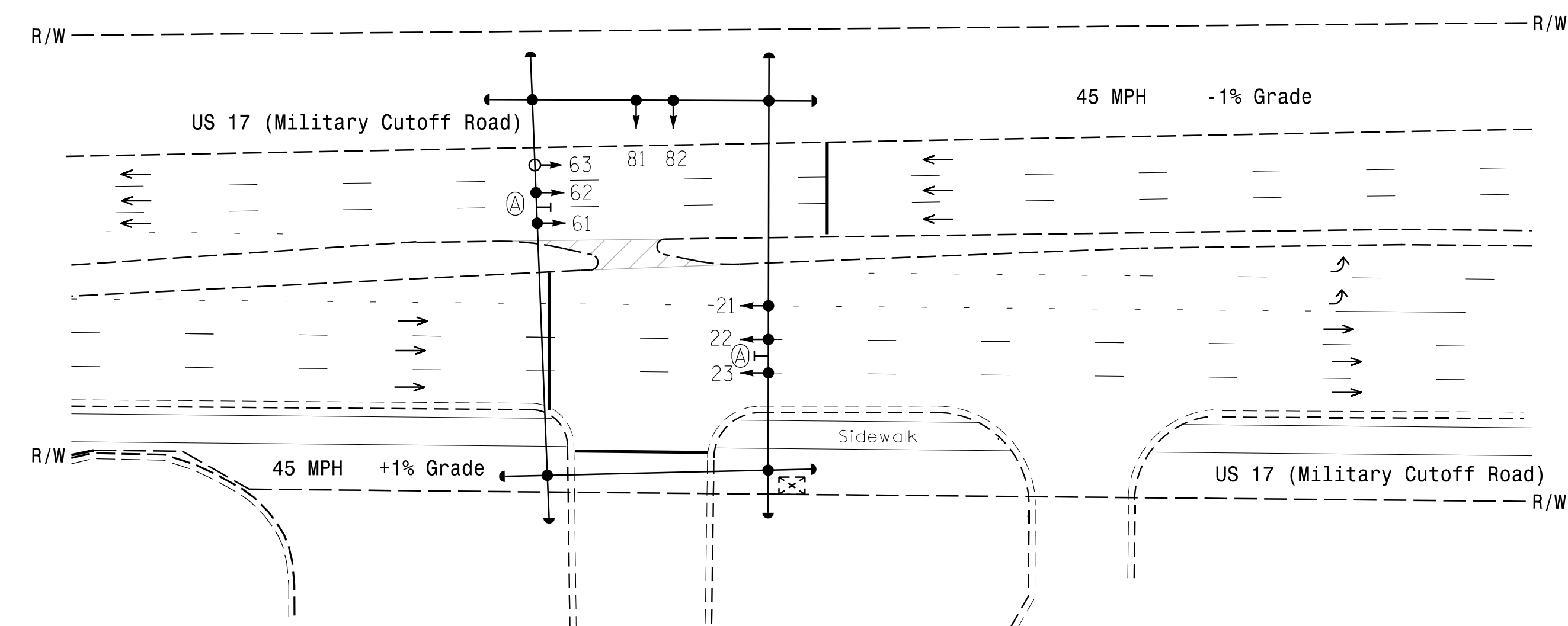
FY = 8" FLASHING YELLOW  
DRK = DARK

**SIGNAL FACE I.D.**



**2 Phase Semi-Actuated (Wilmington Signal System)**

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018, "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Maintain emergency vehicle preemption switch in Fire Station.
- The City Traffic Engineer will determine the Delay before Preempt and Preempt Dwell Min Green time for the emergency vehicle preemption timing.
- Clear signal heads 21, 22, 23, 61, 62, and 63 from flashing 8" yellow to steady 12" yellow during interval 1 and steady red during interval 2.
- When clearing to preemption, signal heads 81 and 82 shall display red during interval 1 and 2. When clearing from preemption, signal heads 81 and 82 shall display yellow during interval 1 and red during interval 2.
- Pavement markings are existing.
- Signal system data:  
Controller Asset #0946.



**OASIS 2070 TIMING CHART**

FEATURE	PHASE		
	2	6	8
Min Green 1 *	12	12	7
Extension 1 *	0.0	0.0	0.0
Max Green 1 *	30	30	30
Yellow Clearance	4.4	4.6	3.0
Red Clearance	1.0	1.6	3.1
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	-	-	-
Dual Entry	-	-	-
Simultaneous Gap	-	-	-

\* 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.

**2070 EV PREEMPTION**

Interval 1 - Dwell Green	255
Interval 1 - Dwell Yellow	3.0
Interval 1 - Dwell Red	3.1
Interval 5 - Exit Green	1
Interval 5 - Yellow	0.0
Interval 5 - Red	0.0
Delay Time	**
Min Green Before Pre	1
Ped Clear Before Pre	0
Yellow Clear Before Pre	0.0 *
Red Clear Before Pre	0.0 *
Dwell Min Time	**
Enable Backup Protection	N
Ped Clear Through Yellow	N

\* Clearance time defaults to times used for phase during normal operation.  
\*\* See Note 4.

**LEGEND**

PROPOSED	EXISTING
○→	●→
○→	N/A
⊥	⊥
⊥	⊥
○→	●→
○→	●→
⊗	⊗
□	□
---	---
N/A	---
→	→
⊗	⊗

**Signal Upgrade**

	<p><b>US 17 (Military Cutoff Road) at Wilmington Fire Station #9</b></p>		
	<p>Division 3 New Hanover County Wilmington</p> <p>PLAN DATE: November 2021 REVIEWED BY: WJ Hamilton</p> <p>PREPARED BY: A. Andrews RKA PROJ. NO.: 19258 (040)</p>	<p>750 N. Greenfield Pkwy, Garner, NC 27529</p> <p>SCALE: 0 40 1" = 40'</p>	

