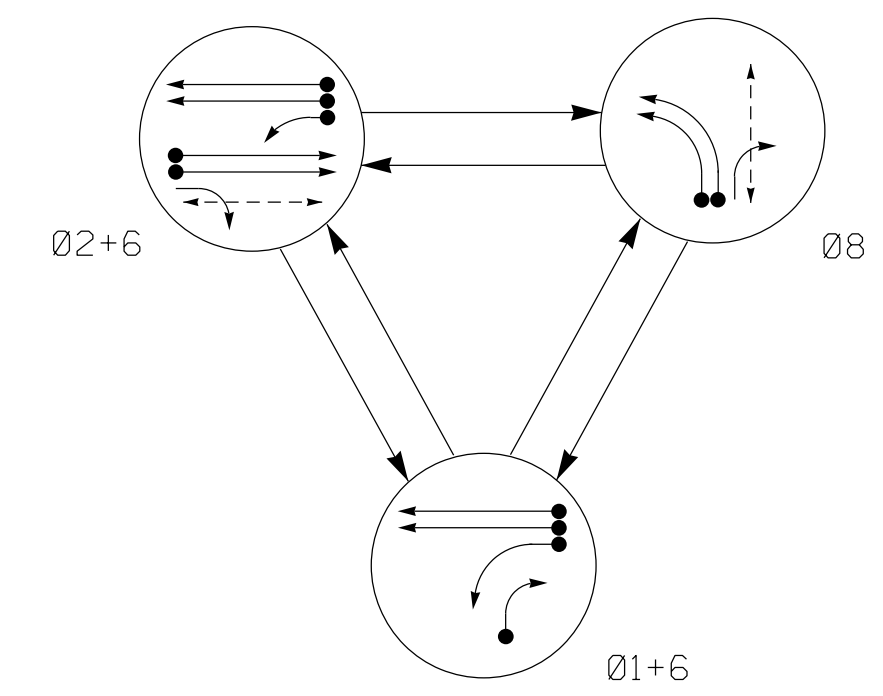


PHASING DIAGRAM



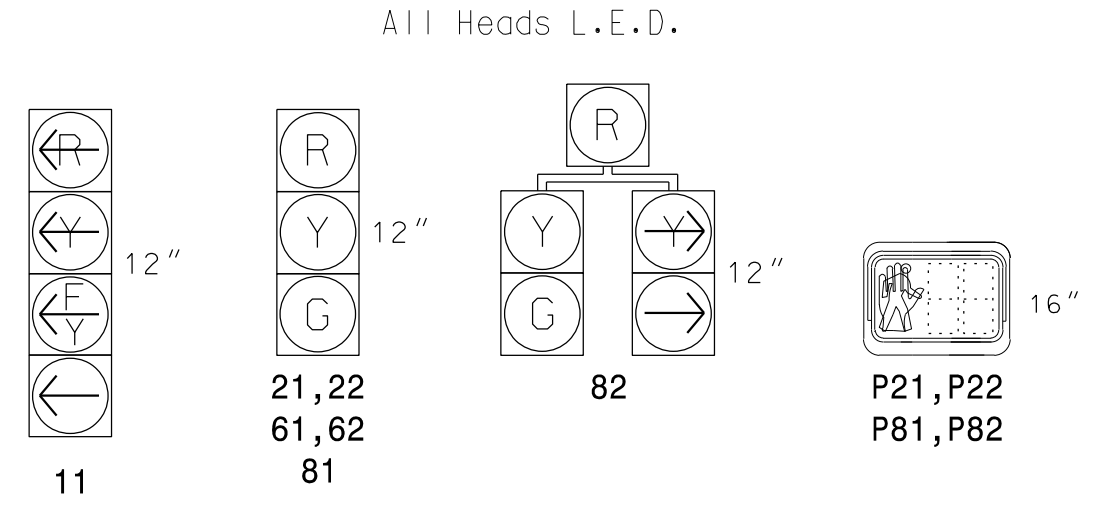
PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE			
	Ø 1 + 6	Ø 2 + 6	Ø 8	FLASH
11	Y	R	R	Y
21, 22	R	G	R	Y
61, 62	G	G	R	Y
81	R	R	G	R
82	R	R	G	R
P21,P22	DW	W	DW	DRK
P81,P82	DW	DW	W	DRK

SIGNAL FACE I.D.



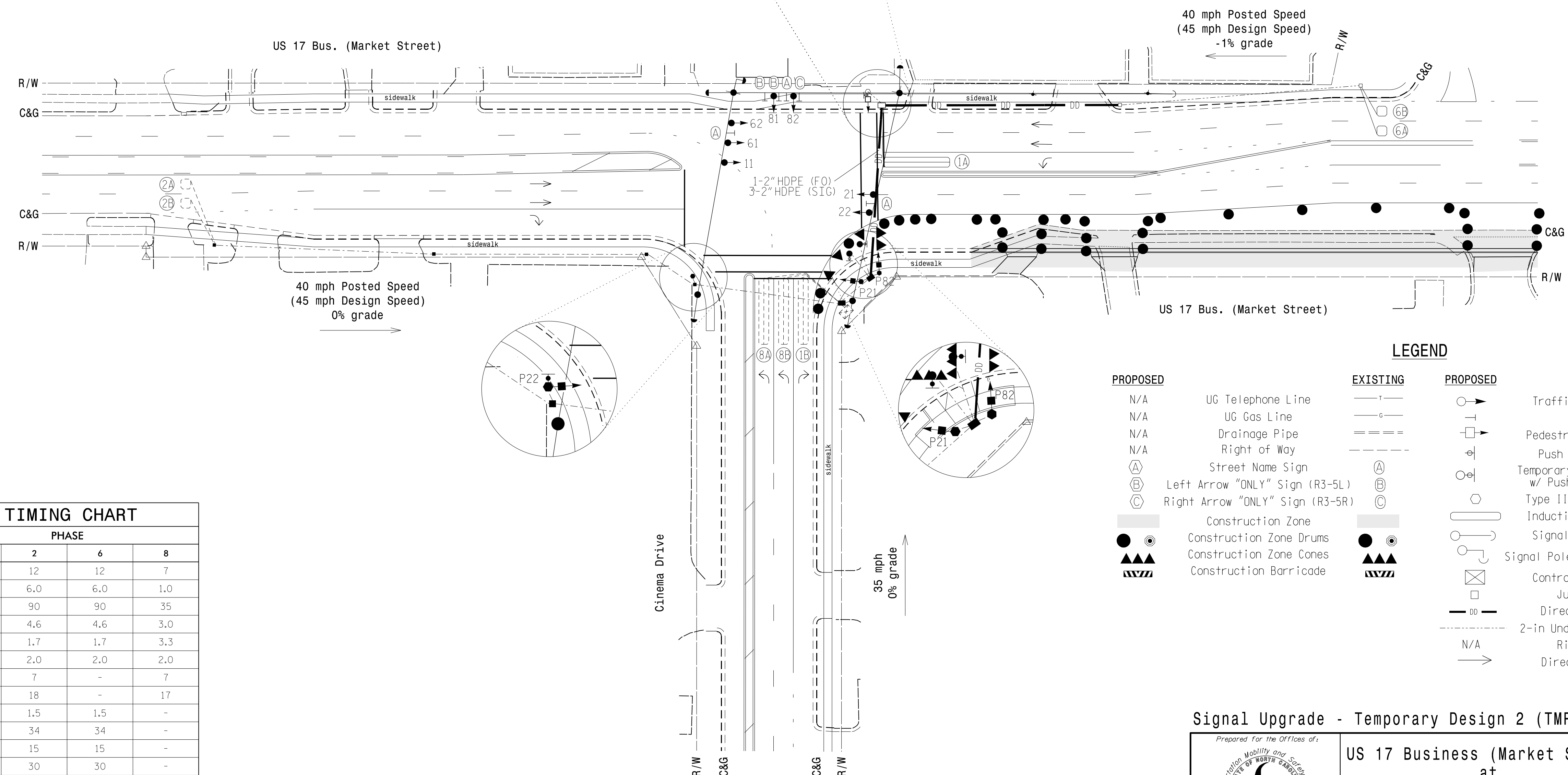
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING								
				NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	15	-	-
1B	6X40	0	2-4-2	-	1	Y	Y	-	-	15	-	-
2A	6X6	300	5	Y	2	Y	Y	-	-	-	-	-
2B	6X6	300	5	Y	2	Y	Y	-	-	-	-	-
6A	6X6	300	6	Y	6	Y	Y	-	-	-	-	-
6B	6X6	300	6	Y	6	Y	Y	-	-	-	-	-
8A	6X40	0	2-4-2	-	8	Y	Y	-	-	-	-	-
8B	6X40	0	2-4-2	-	8	Y	Y	-	-	-	-	-

3 Phase Fully Actuated (Wilmington Signal System)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 may be lagged.
4. Reposition existing signal heads numbered 11, 21, 22 & 61.
5. Set all detector units to presence mode.
6. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
7. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
8. Pedestrian Pushbutton and sign shall be mounted parallel with associated crosswalk.
9. When pushbuttons are mounted on metal pole or pedestrian pedestal, the pole or pedestal shall be installed as close as possible to the back of curb at accessible ramps to minimize reach range.
10. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
11. Signal system data: Controller Asset #1080.



OASIS 2070 TIMING CHART

FEATURE	PHASE			
	1	2	6	8
Min Green 1 *	7	12	12	7
Extension 1 *	1.0	6.0	6.0	1.0
Max Green 1 *	20	90	90	35
Yellow Clearance	3.0	4.6	4.6	3.0
Red Clearance	3.3	1.7	1.7	3.3
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	7	-	7
Don't Walk 1	-	18	-	17
Seconds Per Actuation *	-	1.5	1.5	-
Max Variable Initial *	-	34	34	-
Time Before Reduction *	-	15	15	-
Time To Reduce *	-	30	30	-
Minimum Gap	-	3.2	3.2	-
Recall Mode	-	SOFT RECALL	SOFT RECALL	-
Vehicle Call Memory	-	YELLOW	YELLOW	-
Dual Entry	-	-	-	-
Simultaneous Gap	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.

LEGEND

PROPOSED	EXISTING	PROPOSED	EXISTING
N/A UG Telephone Line	— UG Gas Line	○ Traffic Signal Head	● Existing Signal Head
N/A Drainage Pipe	— Right of Way	□ Pedestrian Signal Head	— Existing Pedestrian Signal Head
N/A Street Name Sign	(A) Left Arrow "ONLY" Sign (R3-5L)	○ Push Button & Sign	— Existing Push Button & Sign
(B) Right Arrow "ONLY" Sign (R3-5R)	(C) Construction Zone	○ Temporary Pedestrian Post w/ Push Button & Sign	● Existing Temporary Pedestrian Post w/ Push Button & Sign
● Construction Zone Drums	● Construction Zone Cones	○ Type II Signal Pedestal	● Existing Type II Signal Pedestal
▲ Construction Zone Barricade	▲ Construction Zone Barricade	○ Inductive Loop Detector	— Existing Inductive Loop Detector
		○ Signal Pole with Guy	● Existing Signal Pole with Guy
		○ Signal Pole with Sidewalk Guy	● Existing Signal Pole with Sidewalk Guy
		□ Controller & Cabinet	□ Existing Controller & Cabinet
		□ Junction Box	□ Existing Junction Box
		— Directional Drill	N/A
		— 2-in Underground Conduit	— Existing 2-in Underground Conduit
		N/A Right of Way	— Existing Right of Way
		→ Directional Arrow	→ Existing Directional Arrow

Signal Upgrade - Temporary Design 2 (TMP Phase III)

US 17 Business (Market Street) at Cinema Drive

Division 03 New Hanover County Wilmington

PLAN DATE: June 2014 REVIEWED BY: MB Toth

PREPARED BY: AJ Davis REVIEWED BY: LM Moon

SEAL

13-JUL-2015 10:19
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Drawn by: *Melissa B. Toth* 12/19/2014
DATE
SIC INVENTORY NO. 03-1080T2