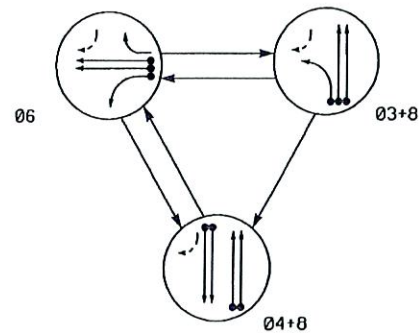


PHASING DIAGRAM



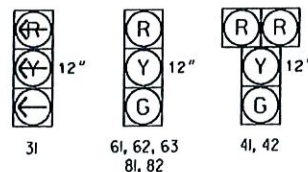
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE			
	06	03+8	04+8	FLASH
31	R	R	R	R
41, 42	R	R	G	R
61, 62, 63	G	R	R	Y
81, 82	R	G	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



OASIS 2070L LOOP & DETECTOR INSTALLATION									
INDUCTIVE LOOPS					DETECTOR PROGRAMMING				
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	STRETCH TIME	DELAY TIME
3A	6X40	0	2-4-2	-	3	Y	Y	-	3
4A	6X6	250	5	Y	4	-	Y	-	-
4B	6X6	250	5	Y	4	-	Y	-	-
4C	6X40	0	2-4-2	-	4	Y	Y	2.0	5
4D	6X40	0	2-4-2	-	4	Y	Y	2.0	5
6A	6X6	250	5	-	6	Y	Y	-	-
6B	6X6	250	5	-	6	Y	Y	-	-
6C	6X6	250	5	-	6	Y	Y	-	-
8A	6X6	250	5	Y	8	-	Y	-	-
8B	6X6	250	5	Y	8	-	Y	-	-
8C	6X40	0	2-4-2	-	8	Y	Y	2.0	5
8D	6X40	0	2-4-2	-	8	Y	Y	2.0	5

6D 6x6 250 5 Y 6 Y Y - - - -

3 Phase Fully Actuated Wilmington Signal System

NOTES

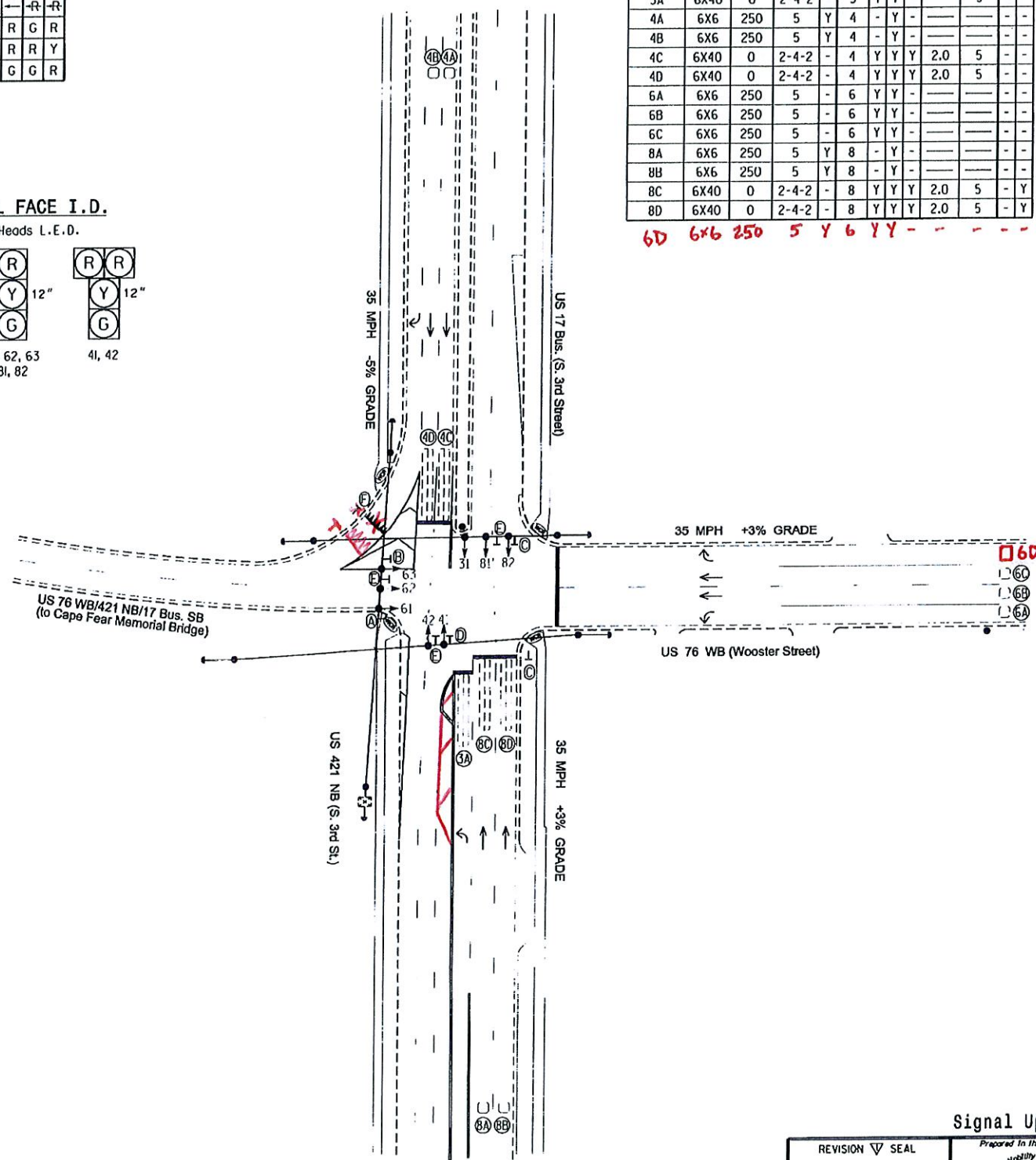
- Refer to "Roadway Standard Drawings NC00T" dated July 2006 and "Standard Specifications for Roads and Structures" dated July 2006.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 3 may be lagged.
- Set all detector units to presence mode.
- In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Signal system data: Controller Asset # 0334.

LEGEND

PROPOSED	EXISTING
Traffic Signal Head	N/A
Modified Signal Head	N/A
Sign	N/A
Pedestrian Signal Head With Push Button & Sign	N/A
Signal Pole with Guy	N/A
Signal Pole with Sidewalk Guy	N/A
Inductive Loop Detector	N/A
Controller & Cabinet	N/A
Junction Box	N/A
2-in Underground Conduit	N/A
N/A	N/A
Right of Way	N/A
Directional Arrow	N/A
(A) Left Arrow "ONLY" Sign (R3-5L)	(A)
(B) Right Arrow "ONLY" Sign (R3-5R)	(B)
(C) No Right Turn Sign (R3-1)	(C)
(D) No Left Turn Sign (R3-2)	(D)
(E) Street Sign	(E)
(F) "YIELD" Sign (R1-2)	(F)

OASIS 2070L TIMING CHART				
FEATURE	PHASE			
	3	4	6	8
Min Green 1 *	7	7	10	7
Extension 1 *	2.0	6.0	6.0	6.0
Max Green 1 *	15	40	60	30
Yellow Clearance	3.0	4.2	3.7	3.7
Red Clearance	2.1	1.2	1.8	1.2
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	1.8	-
Max Variable Initial *	-	-	24	-
Time Before Reduction *	-	0	10	0
Time To Reduce *	-	15	20	15
Minimum Gap	-	3.0	3.0	3.0
Recall Mode	-	-	MIN RECALL	-
Vehicle Call Memory	-	-	YELLOW	-
Dual Entry	-	-	-	ON
Simultaneous Gap	ON	ON	ON	ON

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



Signal Upgrade

REVISION SEAL

Signature: [Signature]

DATE: 12/11

Prepared in the Office of:

Transportation Mobility and Safety Division

Division 3 New Hanover County Wilmington

PLAN DATE: June 2009

PREPARED BY: Sterling

REVIEWED BY: [Signature]

SCALE: 0 40 1"=40'

US 76 WB (Wooster Street) at US 421 NB / US 17 Business (S. 3rd Street)

Division 3 New Hanover County Wilmington

PLAN DATE: June 2009

PREPARED BY: Sterling

REVIEWED BY: [Signature]

SCALE: 0 40 1"=40'

SEAL

Not a certified document as to the Original Document but Only as to the Revisions.

This document originally Issued and sealed by Robert J. Ziemba, 26486 on 6/12/09

This document is only certified as to the revisions.

SIGNATURE: [Signature]

DATE: [Date]

SIG. INVENTORY NO. 03-0334