## PHASING DIAGRAM

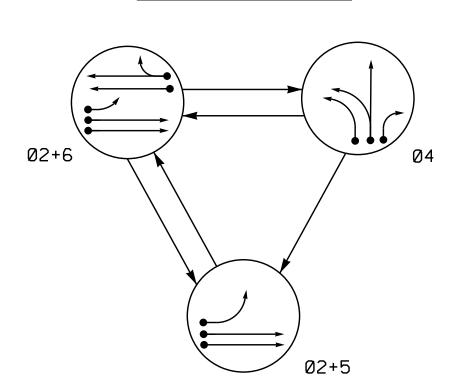


TABLE OF OPERATION									
	PHASE								
SIGNAL FACE	Ø2+5	Ø 2 + 6	Ø 4	エコロのエ					
21,22	G	G	R	Υ					
41,42	R	R	G	R					
51	- ↓	FY	<del>-</del> R	<del>-</del>					
61,62	R	G	R	Υ					

LE OF	0PE	ERA	TIO	N	SIGNAL FACE I.D.  All Heads L.E.D.
	PHASE				ATT HOUGS E.E.D.
nal Ce	02+5	Ø 2 + 6	0 4	下しせのエ	12" R Y 12"
.22	G	G	R	Υ	
.42	R	R	G	R	51 21. 22
1	<b>↓</b>	F₩	<del>-R</del>	*	51 21, 22 41, 42
.62	R	G	R	Υ	61,62 Elimodal Section
					G) - Billioddi 3eciioli

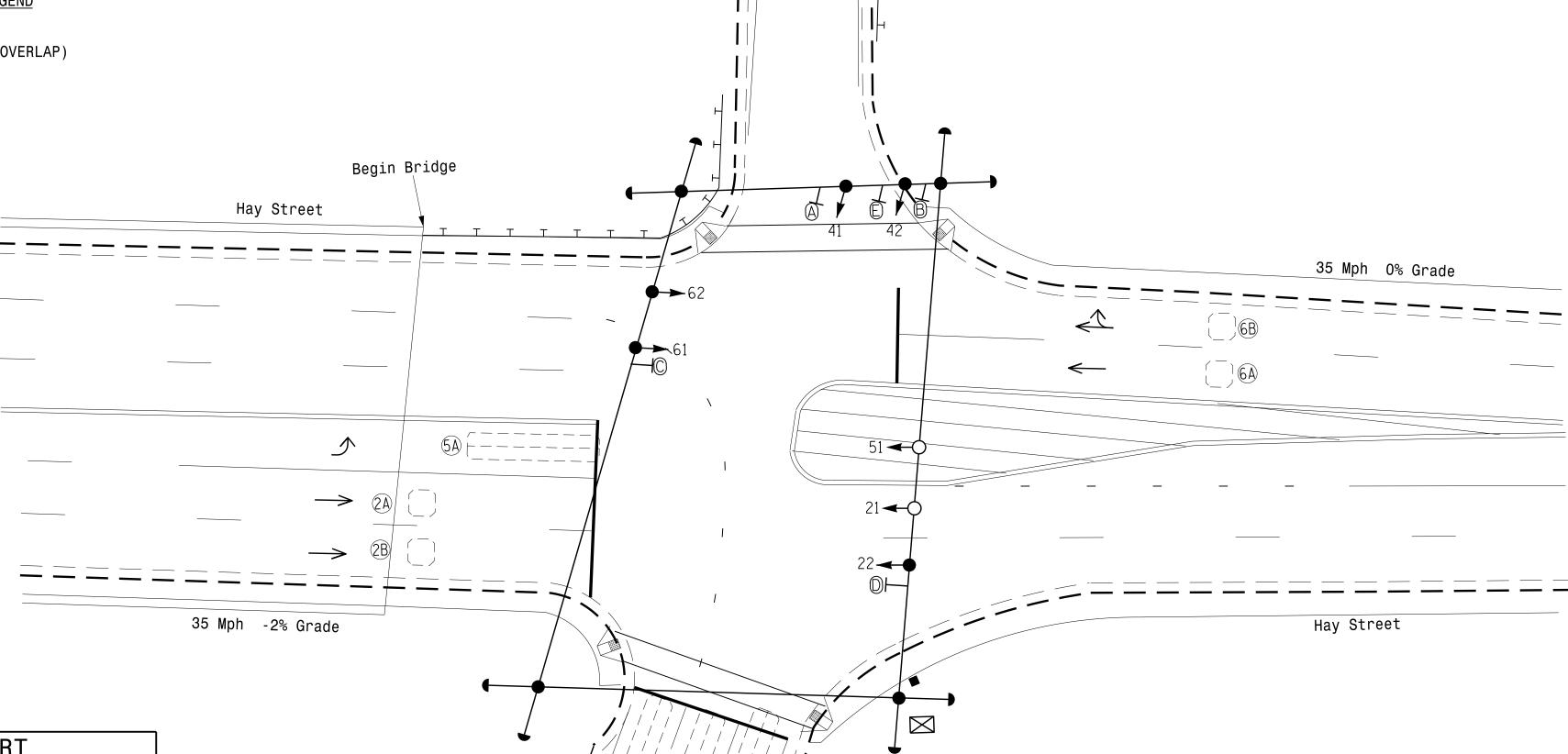
ASC/3 DETECTOR INSTALLATION CHART											
DETECTOR						PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
2A	6X6	37	4	-	2	Yes	-	-	S	-	Х
2B	6X6	37	4	-	2	Yes	-	-	S	-	Х
4A	6X60	0	2-4-2	-	4	Yes	-	-	S	-	Х
4B	6X60	0	2-4-2	-	4	Yes	-	-	S	-	Х
4C	6X60	+5	2-4-2	-	4	Yes	ı	15	S	ı	Х
۵,	C V 3 O	0	2-4-2	_	5	Yes	ı	15	S	ı	Х
5A	6X30				2	Yes	-	-	S	-	Х
6A	6X6	70	4	_	6	Yes			S	_	Χ
6B	6X6	70	4	_	6	Yes	-	_	S	_	Χ

## PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT

← − − > PEDESTRIAN MOVEMENT



ASC/3 TIMING CHART								
	PHASE							
FEATURE	2	4	5	6				
Min Green *	10	7	7	10				
Walk *	0	0	0	0				
Ped Clear	0	0	0	0				
Veh. Extension *	3.0	1.0	2.0	3.0				
Max 1 *	50	30	20	50				
Yellow	4.0	3.6	3.0	4.0				
Red Clear	1.6	2.3	2.6	1.6				
Actuations B4 Add *	-	-	-	-				
Seconds /Actuation *	-	-	-	-				
Max Initial *	-	-	-	-				
Time Before Reduction *	-	-	-	-				
Time To Reduce *	-	-	-	-				
Minimum Gap	-	-	-	-				
Locking Detector	Х	-	-	Х				
Recall Position	VEH. RECALL	-	-	VEH. RECALI				
Dual Entry	-	-	-	-				
Simultaneous Gan	X	X	X	X				

lower than what is shown. Min Green for all other phases should not be lower than 4 seconds

Signal Upgrade

## DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED Hay Street

NC 87 Northbound Ramp (Martin Luther King Jr. Frwy) Division 6 Cumberland County Fayetteville

June 2016 REVIEWED BY: 750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: Jeff Spence REVIEWED BY: REVISIONS INIT. DATE 20

SEAL 029904

**LEGEND** 

3 Phase

Fully Actuated Fayetteville Signal System

**NOTES** 

Drawings NCDOT" dated January

Specifications for Roads and

unless otherwise directed by

2. Do not program signal for late

night flashing operation

Structures" dated January 2012.

1. Refer to "Roadway Standard

2012 and "Standard

the Engineer.

presence mode.

Section.

6. In the event of loop

3. Phase 5 may be lagged.

heads numbered 22.

4. Reposition existing signal

5. Set all detector units to

replacement, refer to the

Manual and submit a Plan of

Record to the Signal Design

to obstruct sight distance of vehicles turning right on red.

8. Pavement markings are existing. 9. Maximum times shown in timing

> operation only. Coordinated signal system timing values

> > **●**→

N/A

7. Locate new cabinet so as not

chart are for free-run

supersede these values.

current ITS and Signals Design

<u>EXISTING</u> <u>PROPOSED</u> Traffic Signal Head  $\bigcirc$ Modified Signal Head Pedestrian Signal Head With Push Button & Sign Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector 

Controller & Cabinet Junction Box 2-in Underground Conduit

Right of Way Directional Arrow Guardrail <del>1 1</del> Wheelchair Ramp

Left Arrow "ONLY" Sign (R3-5L) Right Arrow "ONLY" Sign (R3-5R)

No Left Turn Sign (R3-2) No Right Turn Sign (R3-1)

Combined Through and Left Arrow Sign (R3-6L)

N/A

SIG. INVENTORY NO.