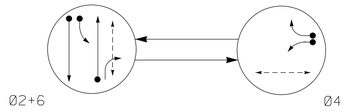
DocuSign Envelope ID: 1BAB081A-947F-4762-AB7F-42E6B06C363F

PROJECT REFERENCE NO.	SHEET NO.
C-5558	Sig. 218.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE Ø2+6	PHASE Ø4+8	PHASE FLASH
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
P21, P22	W	DW	DRK
P41, P42	DW	W	DRK

SCHOOL FLASHER TABLE OF OPERATION

SIGNAL FACE	INTERVAL 1	INTERVAL 2
101, 103	ON	OFF
102, 104	OFF	ON

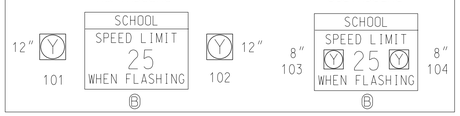
SIGNAL FACE I.D.

All Heads L.E.D.

21, 22
41, 42
61, 62

P21, P22
P41, P42

Figure 1: Sign B w/Beacons

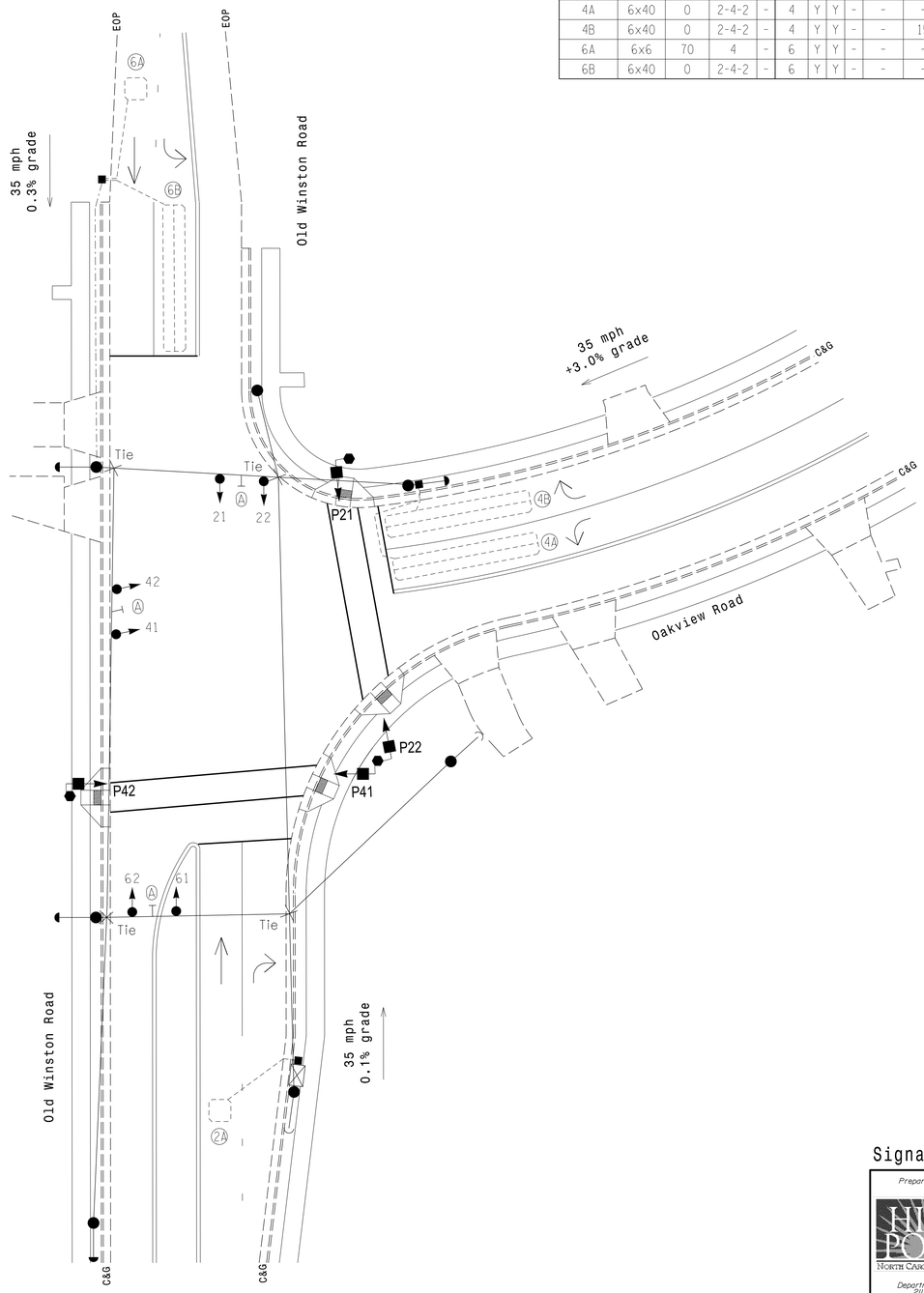


OASIS 2070 TIMING CHART

FEATURE	PHASE 2	PHASE 4	PHASE 6
Min Green 1 *	10	7	10
Extension 1 *	3.0	2.0	3.0
Max Green 1 *	30	20	30
Yellow Clearance	3.8	3.0	3.8
Red Clearance	1.9	3.1	2.5
Red Revert	2.0	2.0	2.0
Walk 1 *	4	4	-
Don't Walk 1	11	14	-
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

* 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.

SCHOOL FLASHERS (ON SHADYBROOK)101,102,103,AND 104 (CONNECTED TO SYSTEM VIA THIS SIGNAL)



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

INDUCTIVE LOOPS: LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING: PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6x6	70	4	-	2	Y	Y	-	-	-	-	Y
4A	6x40	0	2-4-2	-	4	Y	Y	-	-	-	-	Y
4B	6x40	0	2-4-2	-	4	Y	Y	-	-	15	-	Y
6A	6x6	70	4	-	6	Y	Y	-	-	-	-	Y
6B	6x40	0	2-4-2	-	6	Y	Y	-	-	-	-	Y

2 Phase
Fully Actuated
(High Point 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. Set all detector units to presence mode.
4. 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.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Pavement markings are existing.
7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
8. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
10. Program School Flasher to operate as directed by the Engineer.
11. The City Traffic Engineer will determine the hours of use for the school warning beacons.

LEGEND

PROPOSED		EXISTING
○→	Traffic Signal Head	●→
◐→	Modified Signal Head	N/A
⊣	Sign	⊣
□↓	Pedestrian Signal Head With Push Button & Sign	■↓
⬡	Signal Pedestal	⬢
○—	Signal Pole with Guy	●—
○⌒	Signal Pole with Sidewalk Guy	●⌒
▭	Inductive Loop Detector	▭
⊠	Controller & Cabinet	⊠
□	Junction Box	■
·-·-·	2-in Underground Conduit	·-·-·
N/A	Right of Way	- - - - -
→	Directional Arrow	→
Ⓐ	Street Name Sign	Ⓐ
Ⓑ	"SCHOOL SPEED LIMIT 25 WHEN FLASHING" Sign (S5-1) w/ Beacons (See Figure 1)	Ⓑ

Signal Upgrade

Prepared for the Offices of:
HIGH POINT
NORTH CAROLINA'S INTERNATIONAL CITY
Department of Transportation
211 S. Hamilton Street
High Point, NC 27260

Old Winston Road at Oakview Road

Division 07 Guilford County High Point

PLAN DATE:	April 2014	REVIEWED BY:	MB Toth
PREPARED BY:	AM Encarnacion	REVIEWED BY:	LM Moon

SCALE 0 20 1"=20'

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 025892 ENGINEER MELISSA B. TOTH

DocuSigned by: Melissa B. Toth 6/5/2015
SIGNATURE DATE

SIG. INVENTORY NO. HP0905

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 310 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

05-JUN-2015 15:55
D:\Transportation\Traffic\Curr\100037777 - High Point Sig Sys\Signals\Design\Package 1\HP0905.dgn
MLE2054
AT DGN290140