2 Phase
Semi-Actuated
(High Point Signal System)

PHASING DIAGRAM
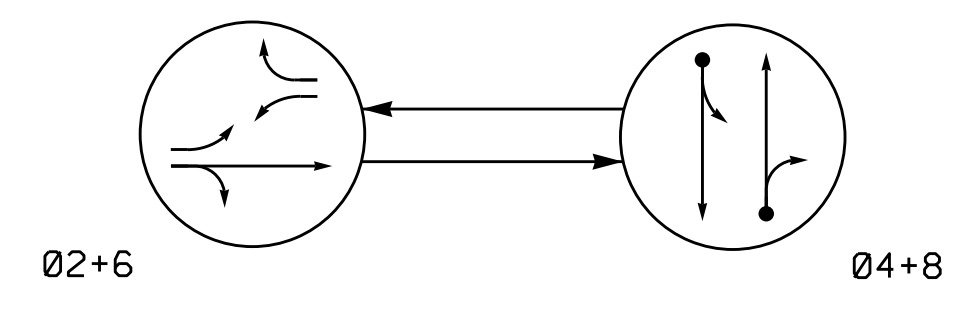
02+6   04+8

PHASING DIAGRAM DETECTION LEGEND

- ●——— DETECTED MOVEMENT
- ←——— UNDETECTED MOVEMENT (OVERLAP)
- ←- - - UNSIGNALIZED MOVEMENT
- ←- - - PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø2+6	Ø4+8	FLASH
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
81, 82	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.

```
 R
 Y   12"
 G
```

21, 22
41, 42
61, 62
81, 82

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
4A	6X40	+5	2-4-2	-	4	Y	Y	-	-	5	-	Y
8A	6X40	+5	2-4-2	-	8	Y	Y	-	-	3	-	Y
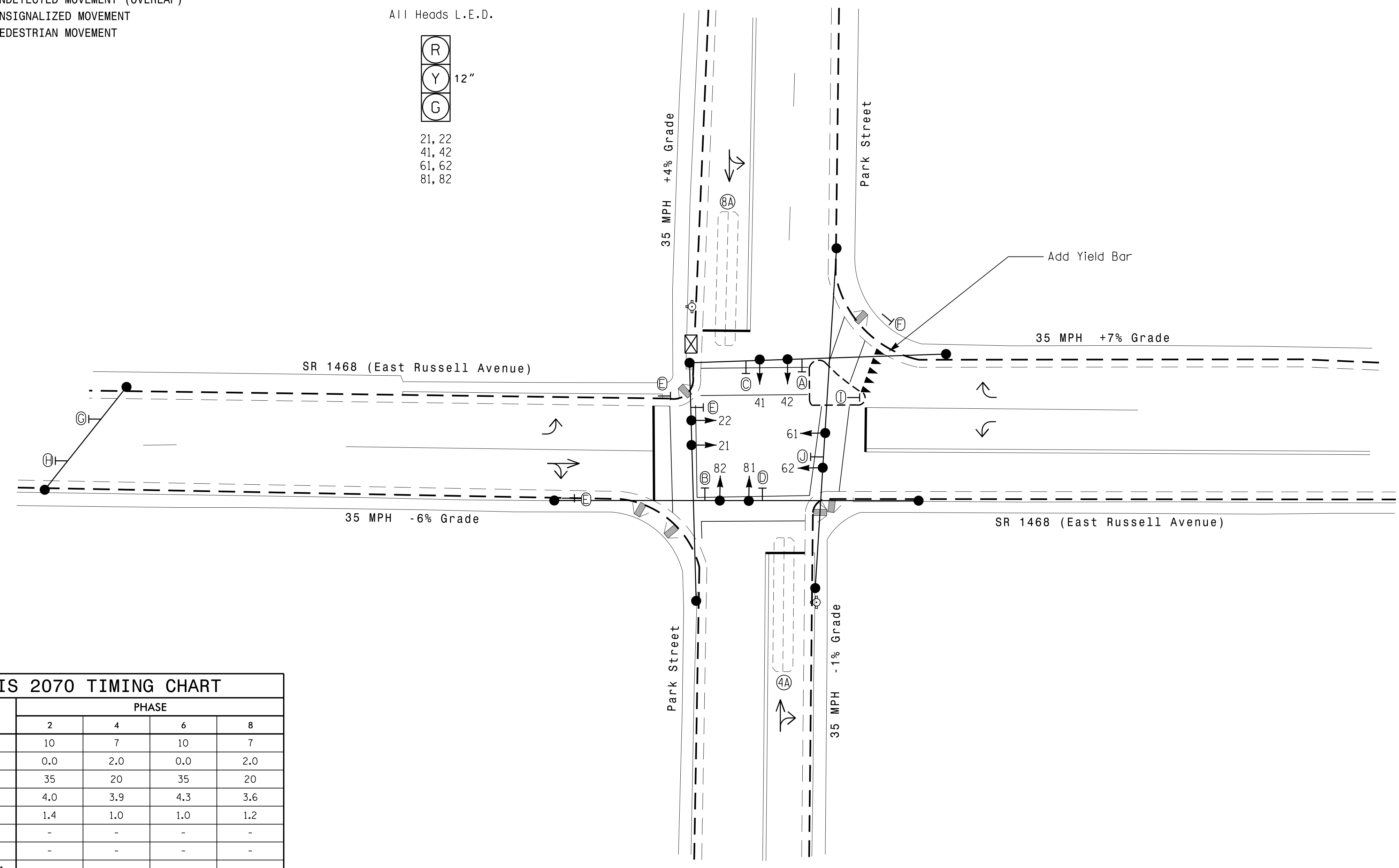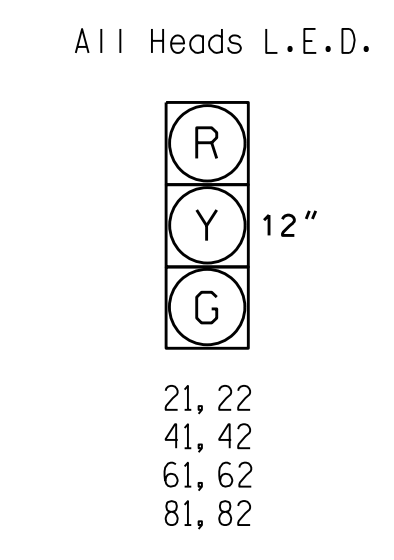
NOTES

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. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
4. Rewire all existing signal heads and loops for new cabinet.
5. Pavement markings are existing unless otherwise shown.
6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND

PROPOSED		EXISTING
○—►	Traffic Signal Head	●—►
◐—►	Modified Signal Head	N/A
⌐	Sign	⌐
⊡	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	— —
N/A	Right of Way	— —
→	Directional Arrow	→
N/A	Curb Ramp	◁
N/A	Fire Hydrant	◇
Ⓐ	No Left Turn Sign (R3-2)	Ⓐ
Ⓑ	No Right Turn Sign (R3-1)	Ⓑ
Ⓒ	Right "ONE WAY" Arrow Sign (R6-1R)	Ⓒ
Ⓓ	Left "ONE WAY" Arrow Sign (R6-1L)	Ⓓ
Ⓔ	"DO NOT ENTER" Sign (R5-1)	Ⓔ
Ⓕ	"YIELD" Sign (R1-2)	Ⓕ
Ⓖ	Left Arrow "ONLY" Sign (R3-5L)	Ⓖ
Ⓗ	Combined Through and Right Arrow Sign (R3-6R)	Ⓗ
Ⓘ	(W12-1)	Ⓘ
Ⓙ	"END ONE WAY" Sign (R6-7)	Ⓙ

Add Yield Bar

35 MPH +4% Grade
Park Street
35 MPH +7% Grade
SR 1468 (East Russell Avenue)
35 MPH -6% Grade
SR 1468 (East Russell Avenue)
Park Street
35 MPH -1% Grade

OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	10	7	10	7
Extension 1 *	0.0	2.0	0.0	2.0
Max Green 1 *	35	20	35	20
Yellow Clearance	4.0	3.9	4.3	3.6
Red Clearance	1.4	1.0	1.0	1.2
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MAX RECALL	-	MAX RECALL	-
Vehicle Call Memory	-	-	-	-
Dual Entry	-	ON	-	ON
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.

Signal Upgrade

SR 1468 (East Russell Avenue) at Park Street		
Division 7	Guilford County	High Point
PLAN DATE:	September 2014	PREPARED BY: R.N. Zinser
PREPARED BY:	Jeff Spence	REVIEWED BY:

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
026486
ENGINEER
ROBERT J. ZIEMBA

REVISIONS	INIT.	DATE

SIGNATURE   3/31/2015
SIG. INVENTORY NO.   07-0999