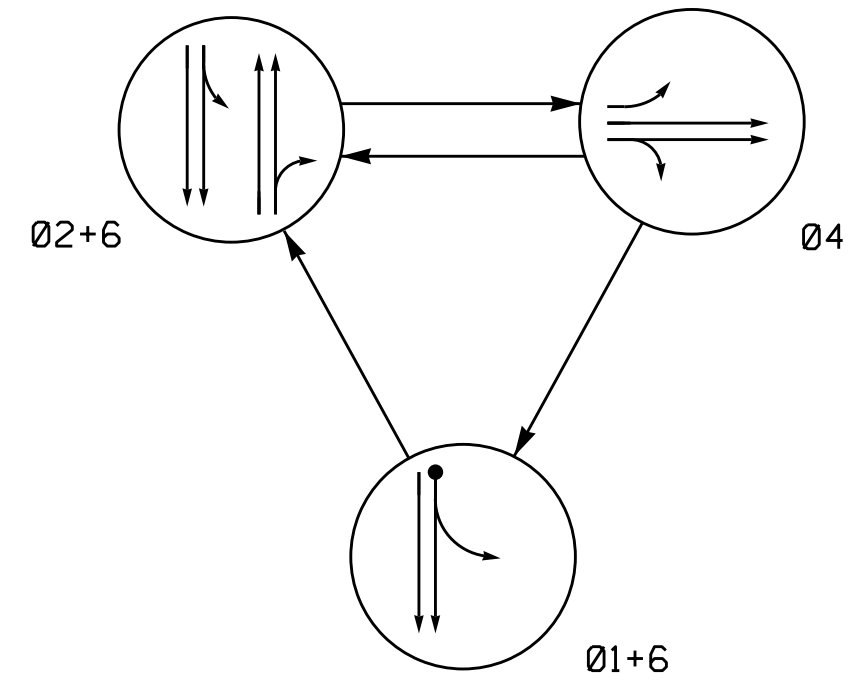


PHASING DIAGRAM



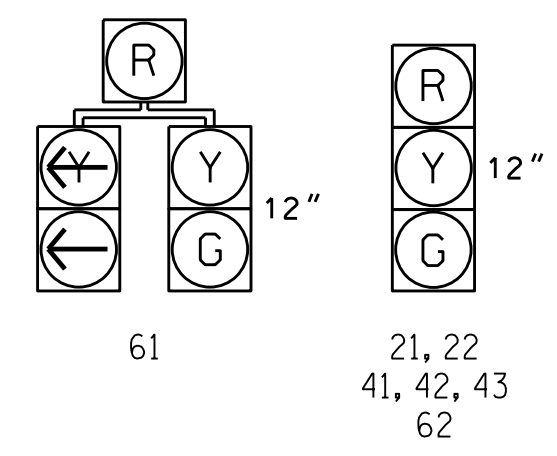
PHASING DIAGRAM DETECTION LEGEND
 ←● DETECTED MOVEMENT
 ←○ UNDETECTED MOVEMENT (OVERLAP)
 ←--- UNSIGNALIZED MOVEMENT
 ←- - - PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE			
	01+6	02+6	04	F L
21, 22	R	G	R	Y
41, 42, 43	R	R	G	R
61	G	G	R	Y
62	G	G	R	Y

SIGNAL FACE I.D.

All Heads L.E.D.



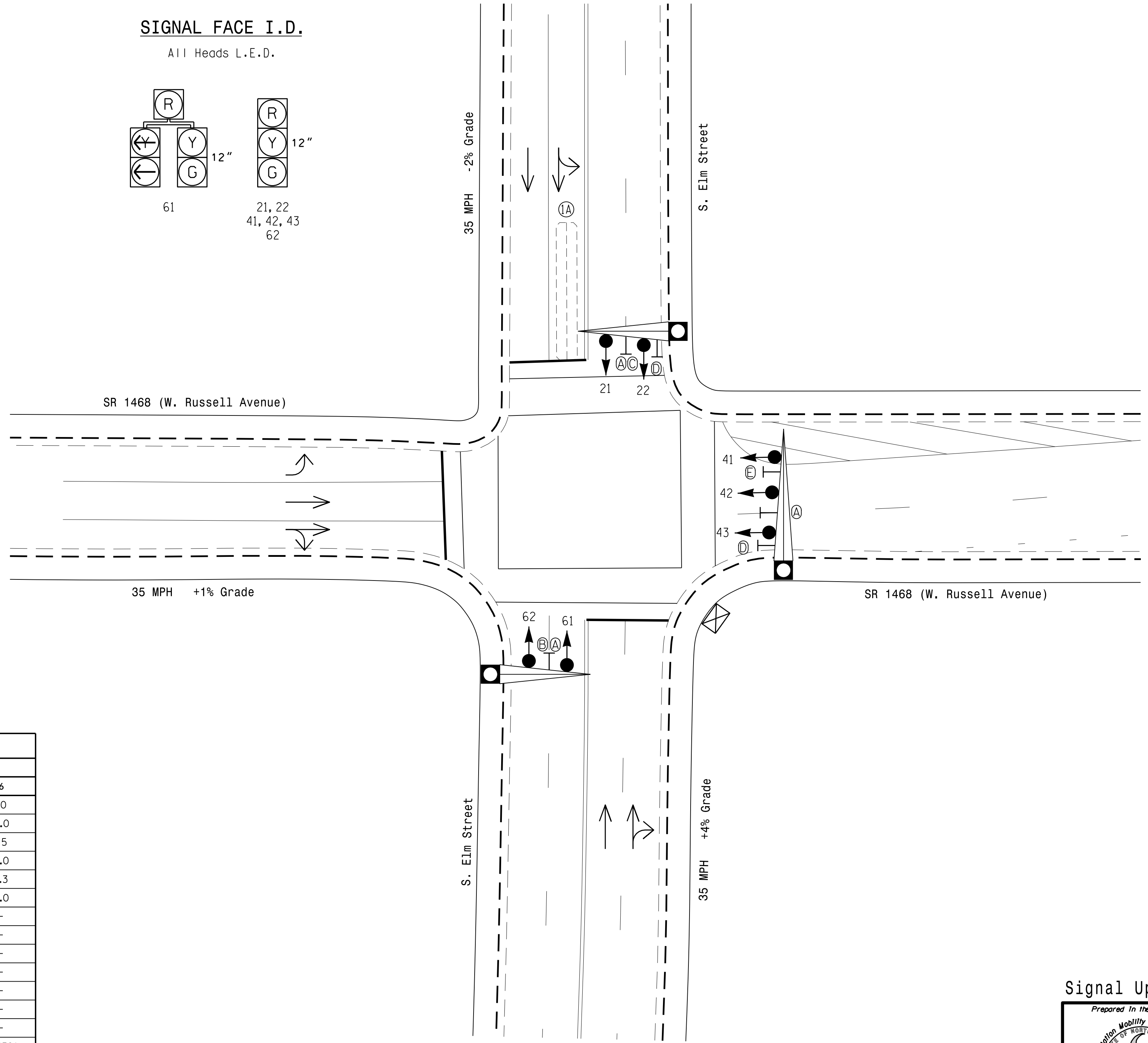
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD		
				PHASE	CALLING	EXTENSION	STRETCH TIME				
1A	6x40	0	2-4-2	-	1	Y	Y	-	15	-	Y

3 Phase Semi-Actuated (High Point Signal System)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



OASIS 2070 TIMING CHART

FEATURE	PHASE			
	1	2	4	6
Min Green 1 *	7	10	7	10
Extension 1 *	2.0	0.0	0.0	0.0
Max Green 1 *	15	45	25	45
Yellow Clearance	3.0	3.6	3.8	4.0
Red Clearance	1.8	1.3	1.4	1.3
Red Revert	2.0	2.0	2.0	2.0
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	MAX RECALL
Vehicle Call Memory	-	-	-	-
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
○ → Traffic Signal Head	● → Traffic Signal Head
● → Modified Signal Head	N/A
⊥ Sign	⊥ Sign
⊥ Pedestrian Signal Head With Push Button & Sign	⊥ Pedestrian Signal Head With Push Button & Sign
⊥ Signal Pole with Guy	⊥ Signal Pole with Guy
⊥ Signal Pole with Sidewalk Guy	⊥ Signal Pole with Sidewalk Guy
⊥ Inductive Loop Detector	⊥ Inductive Loop Detector
⊥ Controller & Cabinet	⊥ Controller & Cabinet
⊥ Junction Box	⊥ Junction Box
⊥ 2-in Underground Conduit	⊥ 2-in Underground Conduit
N/A Right of Way	--- Right of Way
→ Directional Arrow	→ Directional Arrow
⊥ Metal Pole with Mastarm	⊥ Metal Pole with Mastarm
(A) Street Name Sign (D3-1)	(A) Street Name Sign (D3-1)
(B) Left "ONE WAY" Arrow Sign (R6-1L)	(B) Left "ONE WAY" Arrow Sign (R6-1L)
(C) Right "ONE WAY" Arrow Sign (R6-1R)	(C) Right "ONE WAY" Arrow Sign (R6-1R)
(D) "NO TURN ON RED" Sign (R10-11)	(D) "NO TURN ON RED" Sign (R10-11)
(E) Left Arrow "ONLY" Sign (R3-5L)	(E) Left Arrow "ONLY" Sign (R3-5L)

Signal Upgrade

750 N. Greenfield Pkwy, Garner, NC 27529

S. Elm Street at SR 1468 (W. Russell Avenue)

Division 7 Guilford County High Point

PLAN DATE: September 2014 REVIEWED BY:

PREPARED BY: R.N. Zinser REVIEWED BY:

SEAL

3/31/2015

SIG. INVENTORY NO. 07-0997

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