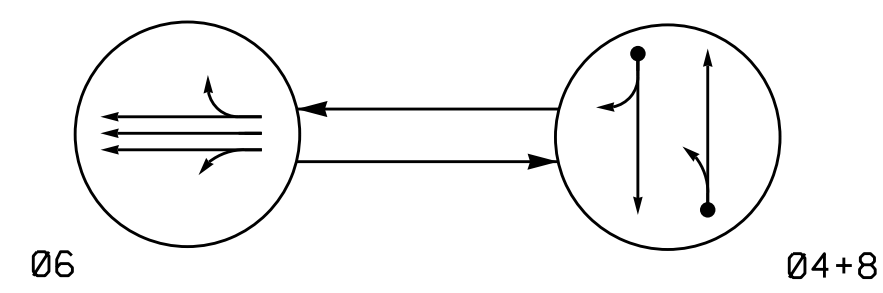


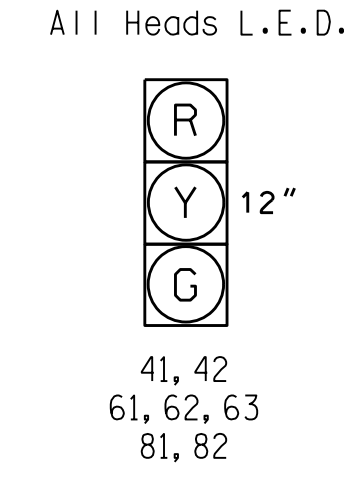
PHASING DIAGRAM



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

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

SIGNAL FACE I.D.

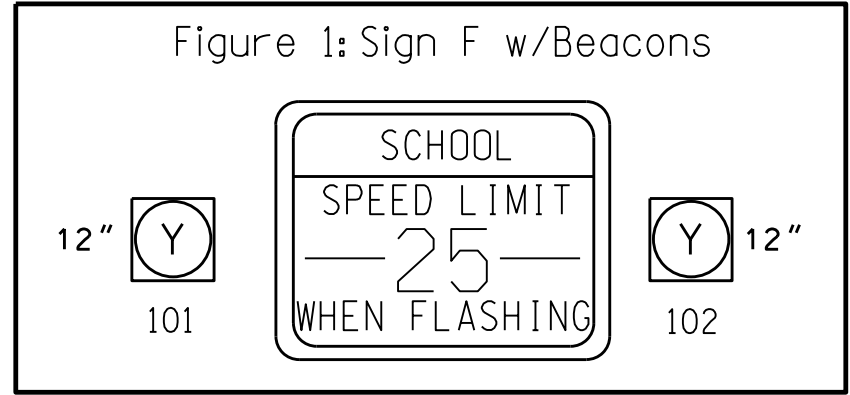


SCHOOL FLASHER TABLE OF OPERATION

SIGNAL FACE	INTERVAL	
	1	2
101	ON	OFF
102	OFF	ON

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

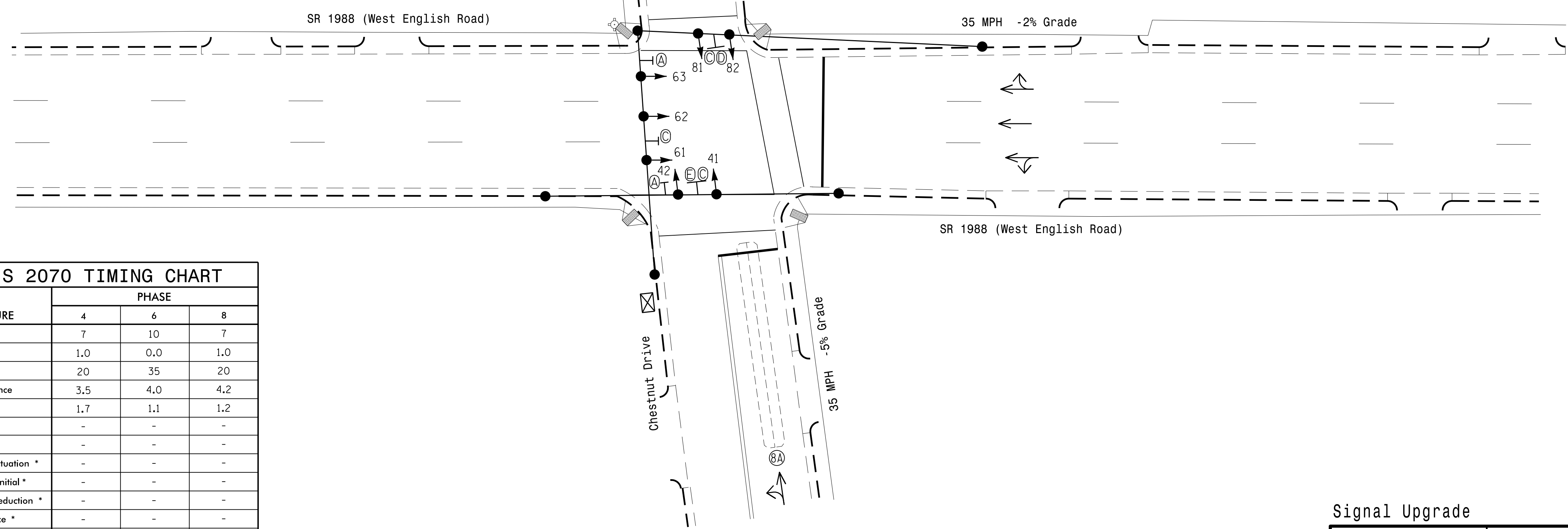
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING								
				NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
4A	6X60	0	2-4-2	-	4	Y	Y	-	-	-	-	Y
8A	6X60	0	2-4-2	-	8	Y	Y	-	-	3	-	Y



2 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.
- 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.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- The Division Traffic Engineer will determine the hours of use for the school warning beacons.
- 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		
	4	6	8
Min Green 1 *	7	10	7
Extension 1 *	1.0	0.0	1.0
Max Green 1 *	20	35	20
Yellow Clearance	3.5	4.0	4.2
Red Clearance	1.7	1.1	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	-
Vehicle Call Memory	-	YELLOW	-
Dual Entry	ON	-	ON
Simultaneous Gap	ON	ON	-

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

PROPOSED	EXISTING
○ → Traffic Signal Head	● → N/A
● → Modified Signal Head	○ → N/A
⊥ Sign	⊥ N/A
⊥ Pedestrian Signal Head	⊥ N/A
⊥ With Push Button & Sign	⊥ N/A
○ 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	N/A Right of Way
→ Directional Arrow	→ Directional Arrow
N/A Curb Ramp	⊥ Curb Ramp
(A) "NO TURN ON RED" Sign (R10-11)	(A) "NO TURN ON RED" Sign (R10-11)
(B) "STOP HERE ON RED" Sign (R10-6)	(B) "STOP HERE ON RED" Sign (R10-6)
(C) Street Name Sign (D3-1)	(C) Street Name Sign (D3-1)
(D) Left "ONE WAY" Arrow Sign (R6-1L)	(D) Left "ONE WAY" Arrow Sign (R6-1L)
(E) Right "ONE WAY" Arrow Sign (R6-1R)	(E) Right "ONE WAY" Arrow Sign (R6-1R)
(F) "SCHOOL SPEED LIMIT 25 WHEN FLASHING" Sign (S5-1) w/ Beacons (See Figure 1)	(F) "SCHOOL SPEED LIMIT 25 WHEN FLASHING" Sign (S5-1) w/ Beacons (See Figure 1)

Signal Upgrade

750 N. Greenfield Pkwy, Garner, NC 27529

SR 1988 (West English Road) at Chestnut Drive

Division 7 Guilford County High Point

PLAN DATE: September 2014 REVIEWED BY: Jeff Spence

PREPARED BY: Jeff Spence REVIEWED BY: [Signature]

REVISIONS: \_\_\_\_\_ INIT: \_\_\_\_\_ DATE: \_\_\_\_\_

SEAL

3/18/2015

SIG. INVENTORY NO. 07-0773

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