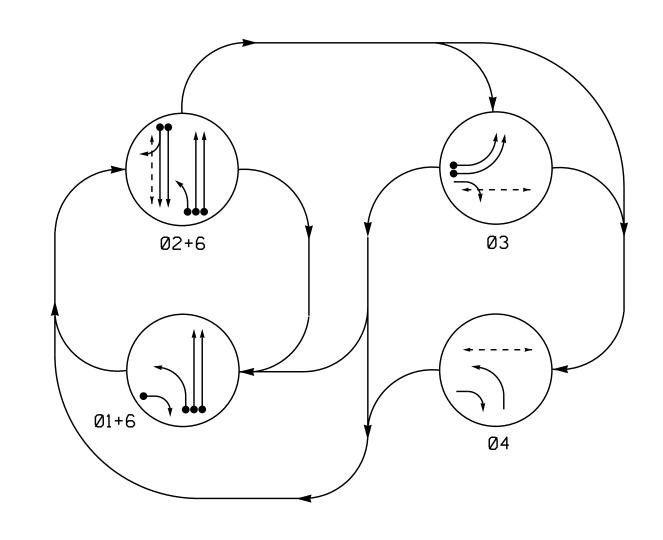
PHASING DIAGRAM



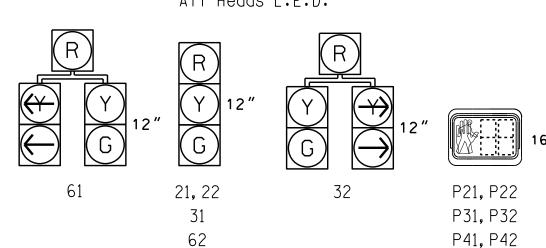
PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

SIGNAL FACE I.D.

All Heads L.E.D.



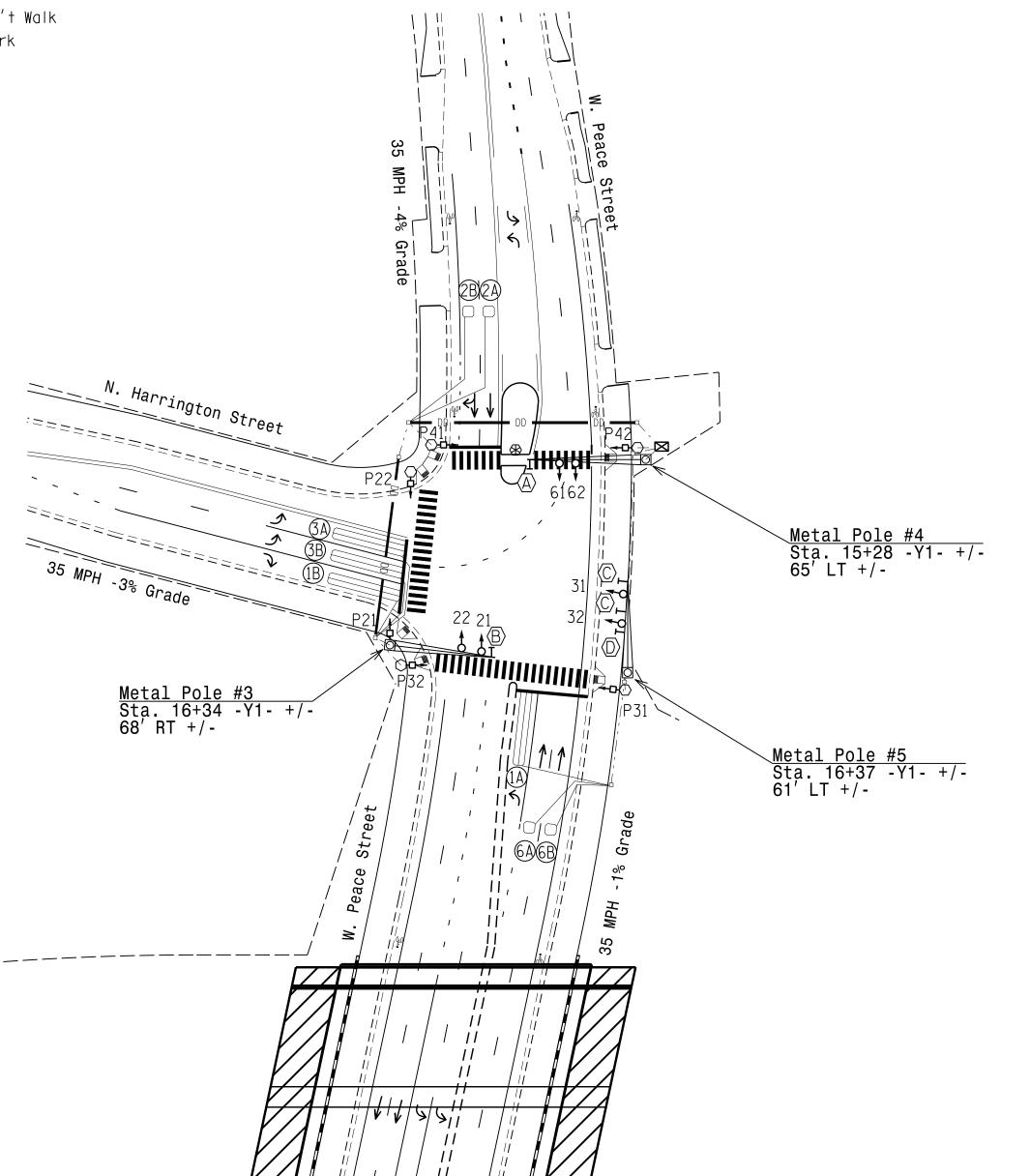
SE-PAC 2070 TIMING CHART						
	PHASE					
FEATURE	1	2	3	4	6	
Min Green *	7	10	7	7	10	
Passage Gap *	2.0	3.0	2.0	2.0	3.0	
Maximum Green *	15	45	20	30	45	
Yellow Change	3.0	4.1	3.0	3.0	3.9	
Red Clear	3.3	2.3	3.4	3.3	2.5	
Walk *	-	7	7	7	-	
Pedestrian Clear	-	21	23	23	-	
Added Initial *	-	-	-	-	-	
Maximum Initial *	-	-	-	-	-	
Time Before Reduction *	-	-	-	-	-	
Time To Reduce *	-	-	-	-	-	
Minimum Gap	-	-	-	-	-	
Recall Mode	-	MIN RECALL	-	-	MIN RECALL	
Vehicle Call Memory	NON-LOCK	LOCK	NON-LOCK	NON-LOCK	LOCK	
Dual Entry	-	-	-	_	-	
Simultaneous Gap	ON	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.

W - Walk DW - Don't Walk DRK - Dark

DETECTOR PROGRAMMING INDUCTIVE LOOPS OPERATION MODE STATUS TIMING LOOP NO. TURNS STOPBAR DELAY 15 SEC. - SEC. X 6X40 SEC. X 15 SEC. 6X40 | 2-4-2 | - SEC. X 2Α 6X6 SEC. 6X6 SEC. X 6X40 2-4-2 3 SEC. - SEC. X 6X40 6X6 - SEC. - SEC. X SEC. -SEC. X 70 6X6

SE-PAC 2070 LOOP & DETECTOR UNIT INSTALLATION CHART



4 Phase Fully Actuated (Raleigh Signal System)

NOTES

 Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.

PROJECT REFERENCE NO.

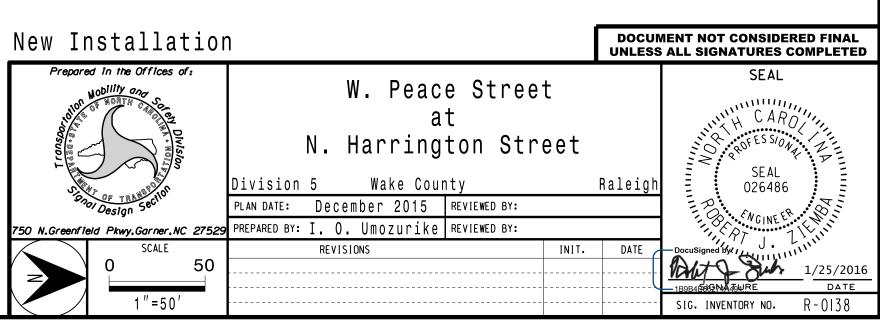
B-5121/B-5317

Sig. 6.0

- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Omit phase 1 during phase 4 on.
- 4. Phase 1 may be lagged.
- 5. Set all detector units to presence mode.
- 6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 7. The cabinet should be designed to include an Auxiliary Output file for future use.
- 8. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 10. Pedestrian pedestals are conceptual and shown for reference only. See sheets P1-P3 for pushbutton location details.
- 11. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND

<u>PROPOSED</u>		EXISTING
→ Traffi	c Signal Head	
○→ Modifie	ed Signal Head	N/A
⊣	Sign	_
	an Signal Head h Button & Sign	+
Signal	Pole with Guy	
Signal Pole	with Sidewalk Guy	
Inductiv	e Loop Detector	$\subseteq \overline{\underline{}} \supseteq$
Control	ler & Cabinet	L×3
☐ Jur	nction Box	
— — - 2-in Unde	erground Conduit	
N/A Riç	ght of Way	
\longrightarrow Direc	tional Arrow	\longrightarrow
— DD — Direc	tional Drill	N/A
Metal Po	le with Mastarm	
	Pushbutton Post	€
	Signal Pedestal	•
N/A C	urb Ramp	
⟨∆⟩ Sig	ELD TO RIGHT TURN" n (R10-16)	A
No U-Turn/No L	eft Turn Sign (R3-	_
	"ONLY" Sign (R3-5L) (
Right Arrow	"ONLY" Sign (R3-5F	



P:*TIPProjects-B*B5121*Traffic*Signals*Design*Signals*R-0138*R0138_sig_dsn_2016 rziemba