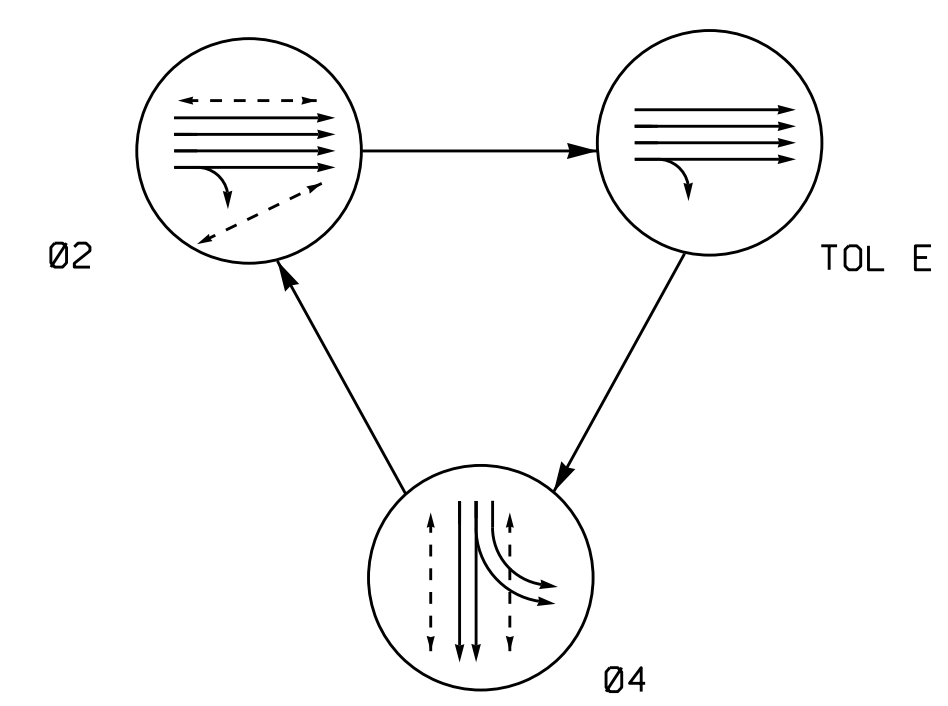


PHASING DIAGRAM



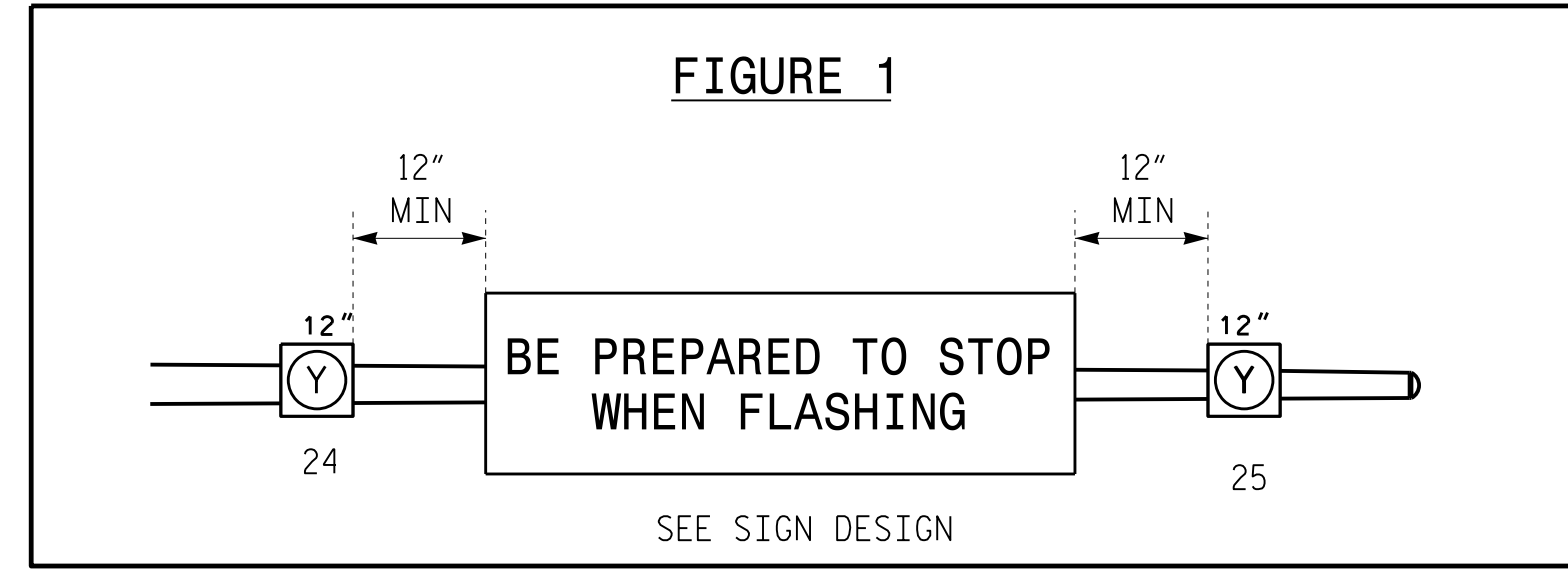
PHASING DIAGRAM DETECTION LEGEND

- ←●→ DETECTED MOVEMENT
- ←○→ UNDETECTED MOVEMENT (OVERLAP)
- ←---→ UNSIGNALIZED MOVEMENT
- ←- - - -> PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE			
	Ø 2	T O L E	Ø 4	F L A S H
21, 22, 23	G	G	R	Y
24, 25	OFF	ON	ON	OFF
41, 42	R	R	G	R
P21, P22	W	DW	DW	DRK
P23, P24	W	DW	DW	DRK
P41, P42	DW	DW	W	DRK
P43, P44	DW	DW	W	DRK

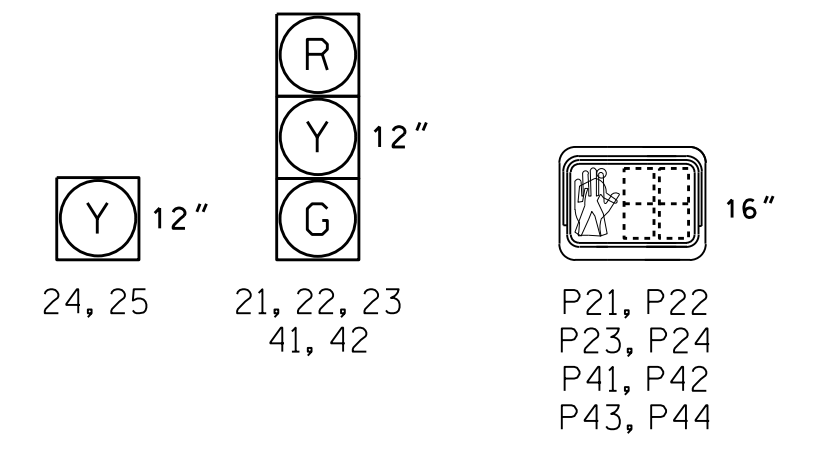
W - Walk
DW - Don't Walk
DRK - Dark

SIGNAL FACE	INTERVAL	
	1	2
24, 25	ON	OFF



SIGNAL FACE I.D.

All Heads L.E.D.

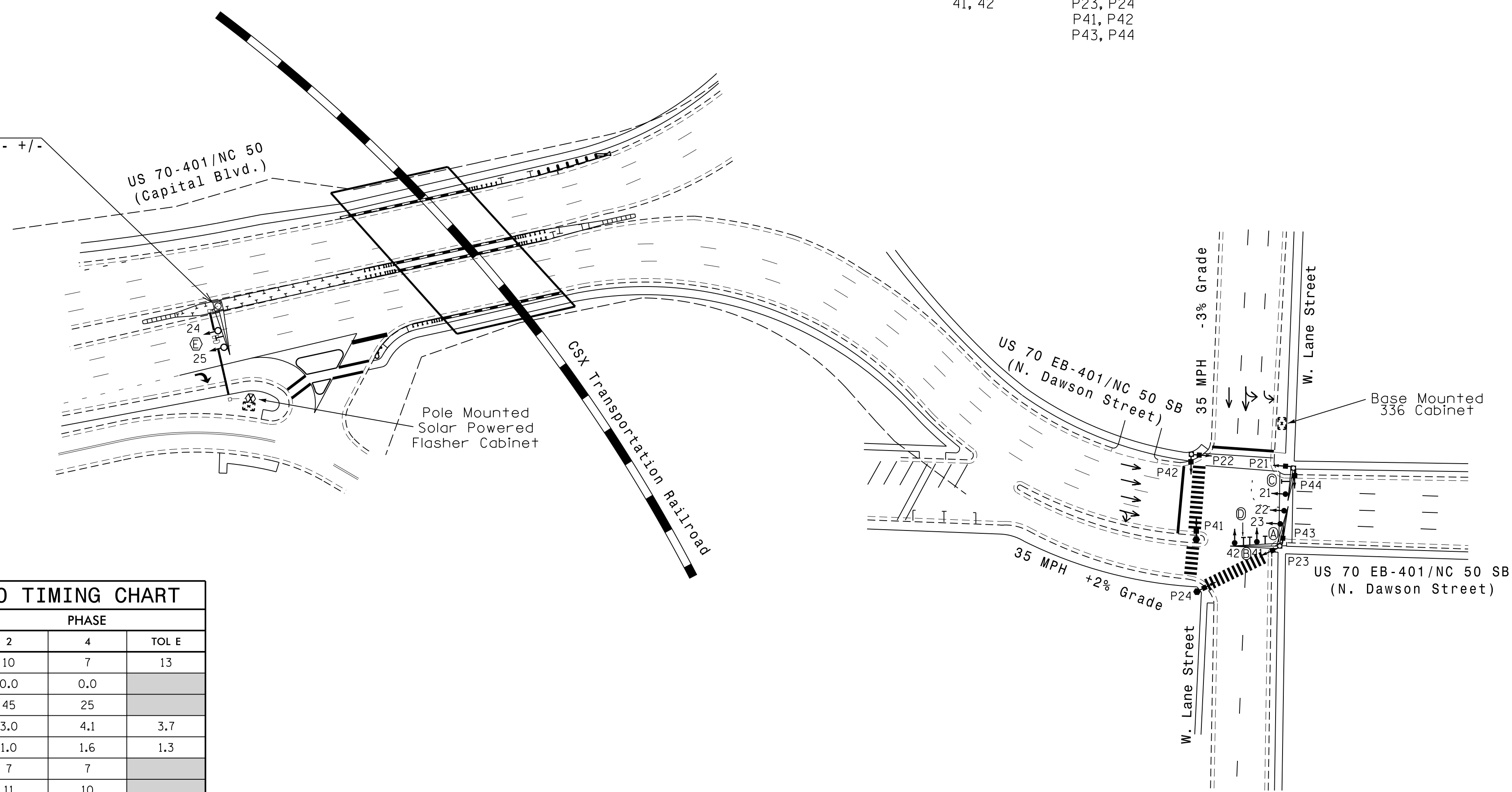


2 Phase
w/ Timed Overlap
Pre-Timed
(Raleigh Signal System)

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.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Beacons 24 and 25 are solar powered.
- Flash beacons 24 and 25 at the beginning of TOL E. They shall flash until the beginning of phase 2 green.
- Pavement markings are existing unless otherwise shown.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Utilize Wireless Radio for communication between signal cabinet and remote cabinet for solar powered flasher.

Metal Pole #8
Sta. 12+50 -L- +/-
0' LT +/-



FEATURE	SE-PAC 2070 TIMING CHART		
	2	4	TOL E
Min Green *	10	7	13
Passage Gap *	0.0	0.0	
Maximum Green *	45	25	
Yellow Change	3.0	4.1	3.7
Red Clear	1.0	1.6	1.3
Walk *	7	7	
Pedestrian Clear	11	10	
Added Initial *	-	-	
Maximum Initial *	-	-	
Time Before Reduction *	-	-	
Time To Reduce *	-	-	
Minimum Gap	-	-	
Recall Mode	MAX/PED RECALL	MAX/PED RECALL	
Vehicle Call Memory	-	-	
Dual Entry	-	-	
Simultaneous Gap	ON	ON	

* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 2 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

PROPOSED	EXISTING
	N/A
N/A	
N/A	
	N/A
N/A	

Signal Upgrade

Prepared In the Offices of:

Transparency Mobility and Safety Solutions
A Division of NORTH CAROLINA TRANSPORTATION CONSULTANTS

US 70 EB-401 SB/NC 50 SB
(N. Dawson Street)
at
W. Lane Street

Wake County Raleigh

Division 5

PLAN DATE: December 2015 REVIEWED BY:

PREPARED BY: I. O. Umozurike REVIEWED BY:

REVISIONS INIT. DATE

SCALE 0 50
1"=50'

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

SEAL
NORTH CAROLINA
PROFESSIONAL ENGINEER
ROBERT J. ZIEGLER
026486

1/25/2016
DATE

SIG. INVENTORY NO. 05-1046

25-1116-2016_13-15
 P:\1116\1116-2016\13-15\1116-2016-13-15\1116-2016-13-15.dgn
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