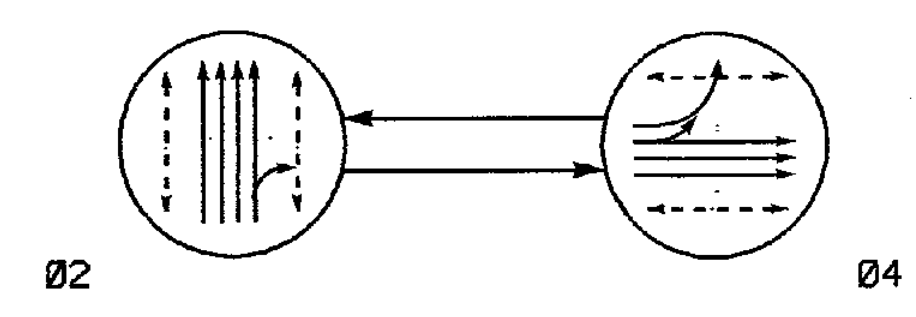


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

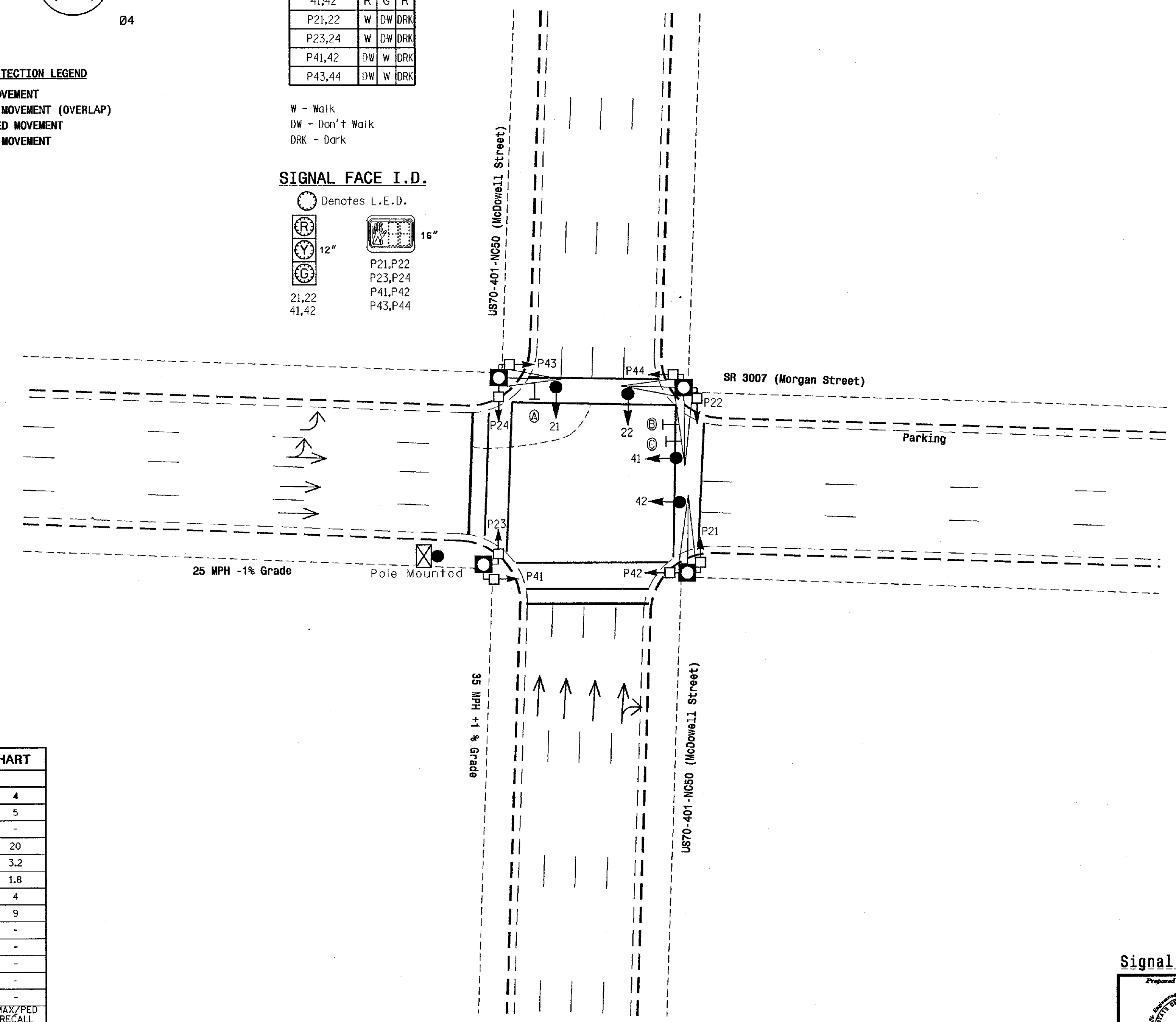
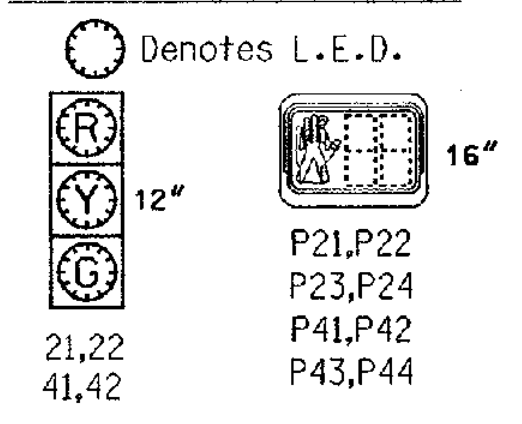
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02	04	04
21,22	G	R	Y
41,42	R	G	R
P21,22	W	DW	DRK
P23,24	W	DW	DRK
P41,42	DW	W	DRK
P43,44	DW	W	DRK

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

SIGNAL FACE I.D.



2 Phase  
Pre Timed  
(Raleigh City Signal System)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated July 2006 and "Standard Specifications for Roads and Structures" dated July 2006.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Pavement markings are existing.
- 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	N/A
Modified Signal Head Sign	N/A
Pedestrian Signal Head With Push Button & Sign	N/A
Signal Pole with Guy	N/A
Signal Pole with Sidewalk Guy	N/A
Inductive Loop Detector	N/A
Controller & Cabinet	N/A
Junction Box	N/A
2-in Underground Conduit	N/A
Right of Way	N/A
Directional Arrow	N/A
Pavement Marking Arrow	N/A

- Through Arrow "ONLY" Sign (R3-5A)
- Left Arrow "ONLY" Sign (R3-5L)
- Combined Through and Left Arrow Sign (R3-6L)

SE-PAC 2070 TIMING CHART

FEATURE	PHASE	
	2	4
Min Green *	10	5
Passage Gap *	-	-
Maximum Green *	25	20
Yellow Change	3.8	3.2
Red Clear	1.3	1.8
Walk *	4	4
Pedestrian Clear	8	9
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 phases 2 and 4 lower than what is shown.  
Min Green for all other phases should not be lower than 4 seconds.

Signal Upgrade

	US70-401/NC50 (McDowell Street) at SR 3007 (Morgan Street)	
	Division 05 Wake County Raleigh	
PLAN DATE: July 2008	PREPARED BY: Lanya Johnson	REVIEWED BY: [Signature]
REVISIONS	INIT.	DATE
SCALE: 1"=20'		SIGNATURE: [Signature]
SHEET NO. 05-0087		DATE: 10/3/08