

PHASING DIAGRAM
See Note #4

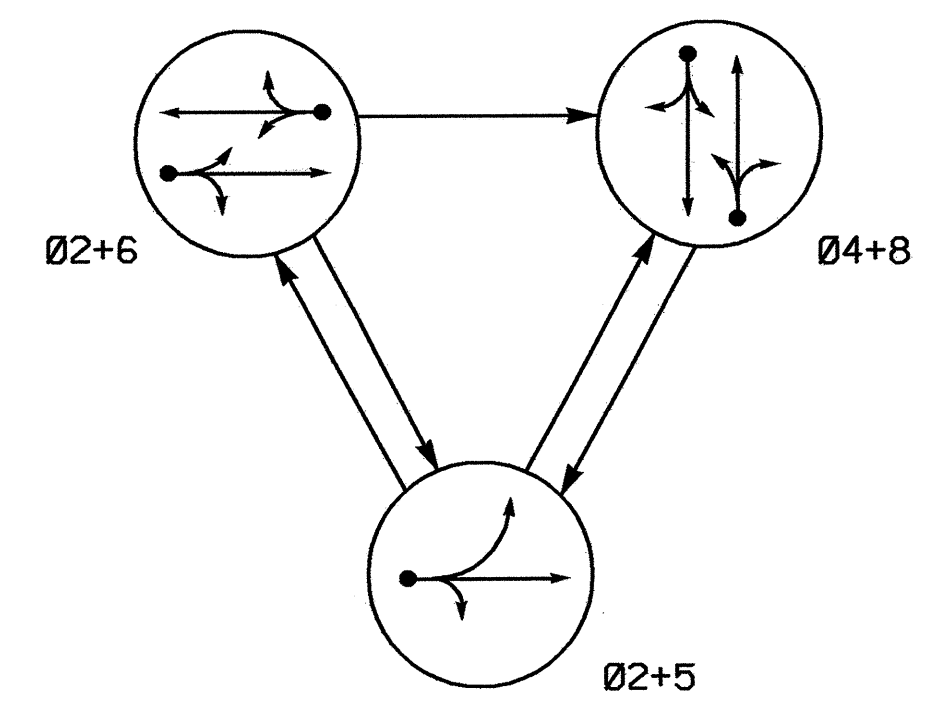


TABLE OF OPERATION

SIGNAL FACE	PHASE				
	Ø 2+5	Ø 2+6	Ø 4+8	Ø 4+8	F
21	G	R	Y		
22	G	G	R	Y	
41, 42	R	R	G	R	
61, 62	R	G	R	Y	
81, 82	R	R	G	R	

2070L LOOP & DETECTOR INSTALLATION

LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
2A	6X6	4	70	Y	2	Y	Y	-	-	-	-	Y
4A	6X60	2-4-2	0	Y	4	Y	Y	-	-	-	5	Y
5A	6X60	2-4-2	0	Y	5	Y	Y	-	-	-	3	Y
6A	6X6	4	70	Y	6	Y	Y	-	-	-	-	Y
8A	6X60	2-4-2	0	Y	8	Y	Y	-	-	-	5	Y

3 Phase Fully Actuated (Isolated)

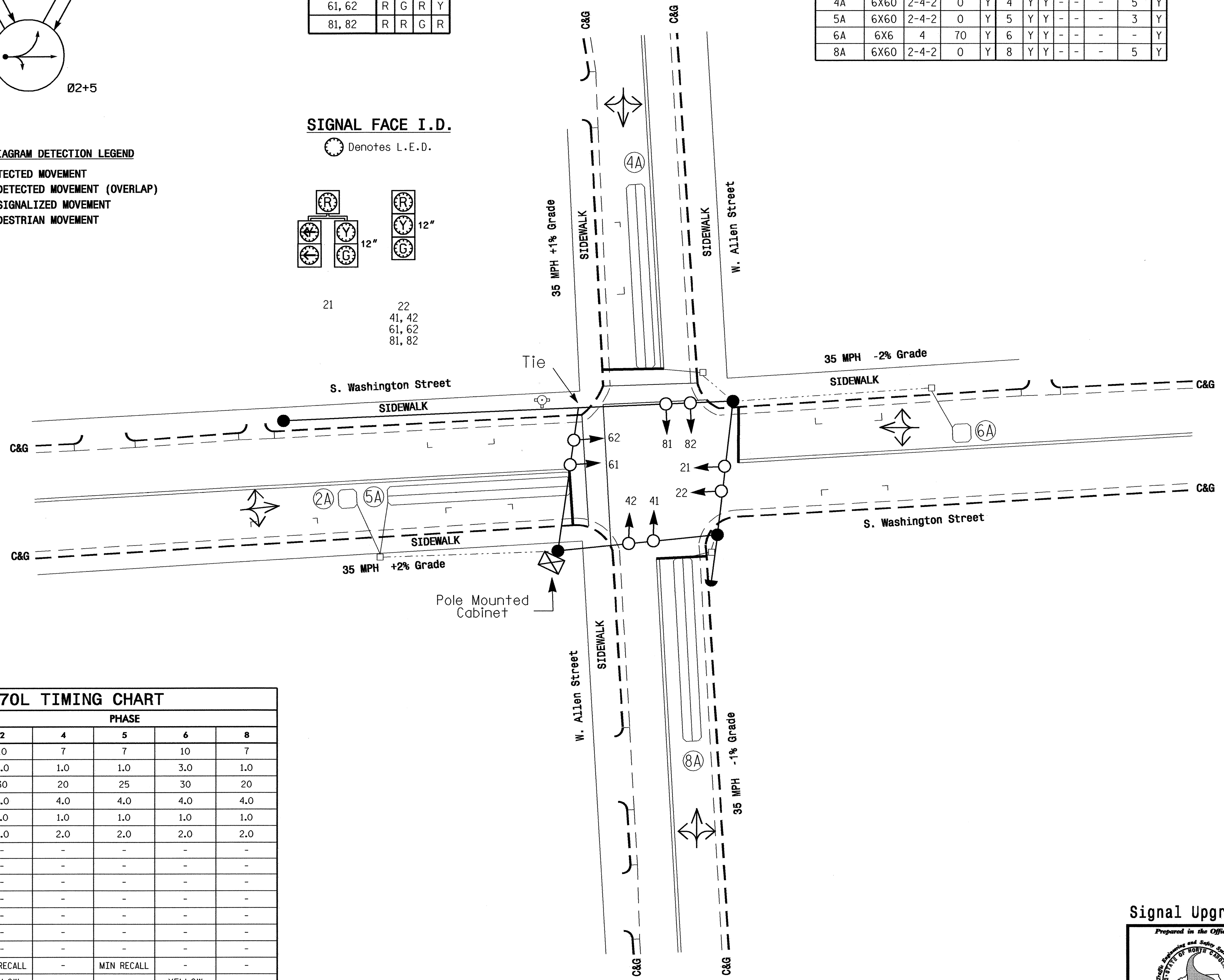
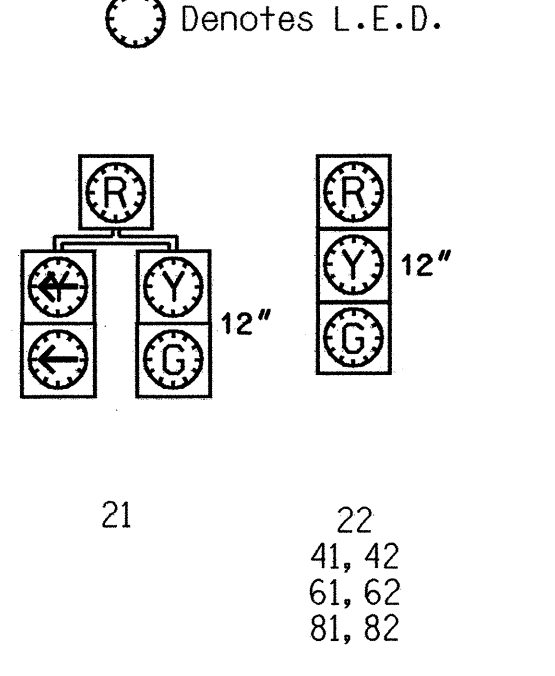
NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Pavement markings are existing.
4. Enable backup protect for phase 2 to allow the controller to clear from phase 2+6 to phase 5 by progressing through all red display.
5. Set all detector units to presence mode.

PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE I.D.



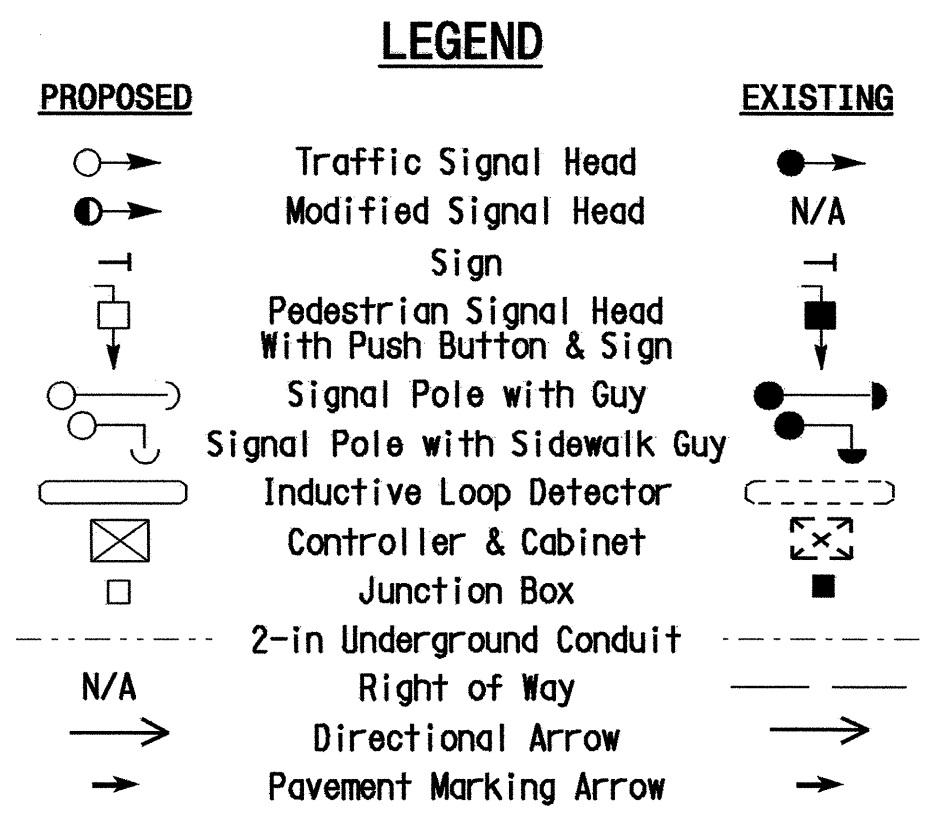
PLAN QUANTITIES

Pay Item	Feet
Signal Cable	385
Messenger Cable	-
Lead-in Cable	635

2070L TIMING CHART

FEATURE	PHASE				
	2	4	5	6	8
Min Green 1*	10	7	7	10	7
Extension 1*	3.0	1.0	1.0	3.0	1.0
Max Green 1*	30	20	25	30	20
Yellow Clearance	4.0	4.0	4.0	4.0	4.0
Red Clearance	1.0	1.0	1.0	1.0	1.0
Red Revert	5.0	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	MIN RECALL	-	MIN RECALL	-	-
Vehicle Call Memory	YELLOW	-	-	YELLOW	-
Dual Entry	-	ON	-	-	ON
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.



Signal Upgrade- Temporary Design

	<p>S. Washington Street at W. Allen Street</p>		
	<p>Division 14 Henderson County Hendersonville</p> <p>PLAN DATE: January 2004 REVIEWED BY: B L Watson</p> <p>PREPARED BY: R N Mouberry REVIEWED BY:</p>	<p>SCALE: 1"=20'</p>	

23-MAR-2004 10:34 W:\p04\p04-01\11\morkgrouse\TIP-Projects\B-3475\41161_20030223.dgn R N Mouberry