

PHASING DIAGRAM

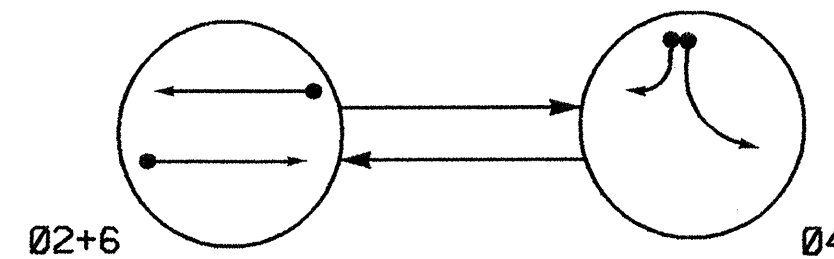


TABLE OF OPERATION

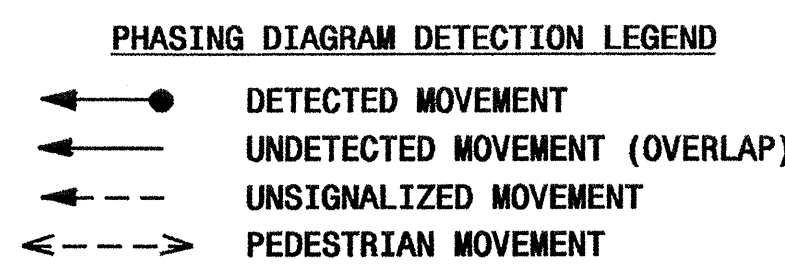
SIGNAL FACE	PHASE		
	Ø 2 + 6	Ø 4	Ø 6
21,22	G	R	Y
41,42	R	G	R
61,62	G	R	Y

LOOP & DETECTOR UNIT INSTALLATION CHART														
TS-1 CONTROLLER														
INDUCTIVE LOOPS						DETECTOR UNITS								
LOOP NO.	SIZE (M)	TURNS	DIST. FROM STOPBAR (M)	NEW	EXISTING	UNIT NO.	NEW	EXISTING	NEMA CHANNEL	PHASE	TIMING FEATURE	TIME	PLACE CALL DURING PHASE	INHIBIT DELAY DURING GREEN?
2A	1.8X1.8	4	130	X		1	X		1	2		SEC.	ALL	NO
6A	1.8X1.8	4	145	X					2	6		SEC.	ALL	NO
4A	1.8X1.8	2-4-2	0	X					1	4		SEC.	ALL	NO
4B	1.8X1.8	2-4-2	0	X		2	X		2	4	DELAY	15 SEC.	ALL	YES

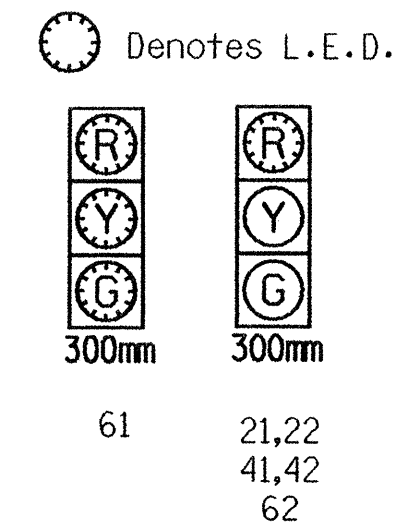
2 Phase Fully Actuated Isolated

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. Reposition existing signal heads numbered #21,22,61,62 and signs "A" & "B".
4. Set all detector units to presence mode.

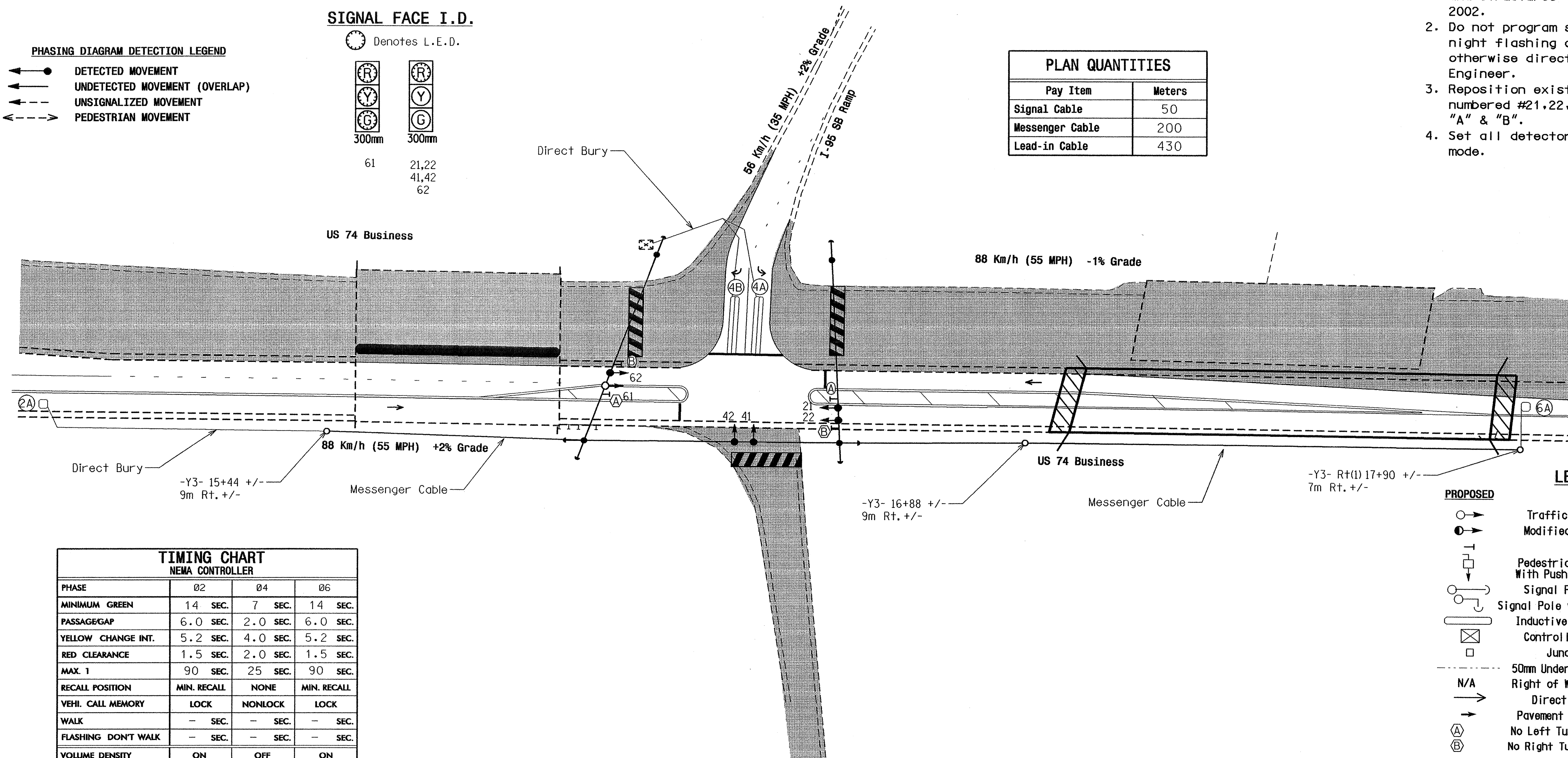


SIGNAL FACE I.D.



PLAN QUANTITIES

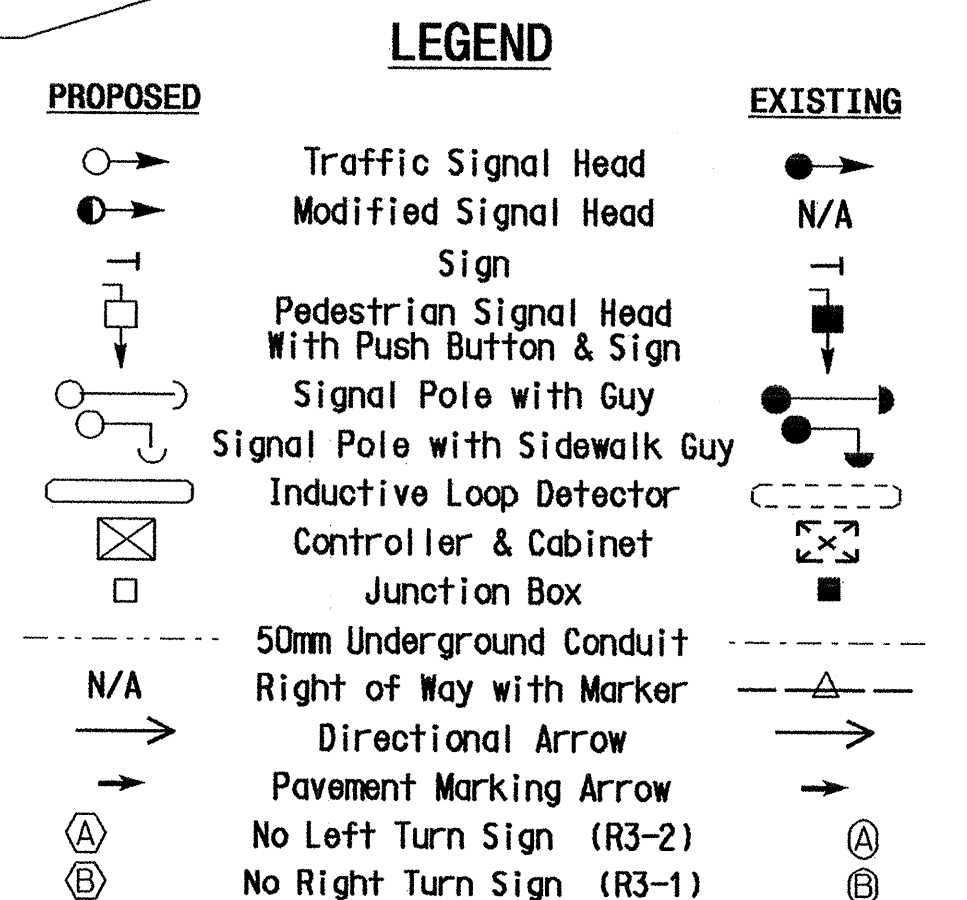
Pay Item	Meters
Signal Cable	50
Messenger Cable	200
Lead-in Cable	430



TIMING CHART NEMA CONTROLLER

PHASE	Ø2	Ø4	Ø6
MINIMUM GREEN	14 SEC.	7 SEC.	14 SEC.
PASSAGE/GAP	6.0 SEC.	2.0 SEC.	6.0 SEC.
YELLOW CHANGE INT.	5.2 SEC.	4.0 SEC.	5.2 SEC.
RED CLEARANCE	1.5 SEC.	2.0 SEC.	1.5 SEC.
MAX. 1	90 SEC.	25 SEC.	90 SEC.
RECALL POSITION	MIN. RECALL	NONE	MIN. RECALL
VEH. CALL MEMORY	LOCK	NONLOCK	LOCK
WALK	- SEC.	- SEC.	- SEC.
FLASHING DON'T WALK	- SEC.	- SEC.	- SEC.
VOLUME DENSITY	ON	OFF	ON
ACTUATION B4 ADD	- VEH.	- VEH.	- VEH.
SEC. PER ACTUATION	2.5 SEC.	- SEC.	2.5 SEC.
MAX. INITIAL	48 SEC.	- SEC.	52 SEC.
TIME B4 REDUCTION	15 SEC.	- SEC.	15 SEC.
TIME TO REDUCE	45 SEC.	- SEC.	45 SEC.
MINIMUM GAP	3.4 SEC.	- SEC.	4.2 SEC.

* 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.



Temporary Signal 2 - Phase II To Be Removed Upon Project Completion

Prepared in the Office of:
US 74 Business At I-95 SB Ramps
 Division 6 Robeson County Lumberton
 PLAN DATE: February 2004 REVIEWED BY:
 PREPARED BY: JGalloway REVIEWED BY:
 SCALE 1:500
 REVISIONS
 INIT. DATE
 Signature: Timothy J. Williams 2/19/04
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 TIMOTHY J. WILLIAMS
 No. 24393
 SIG. INVENTORY NO. 06-0489 T2