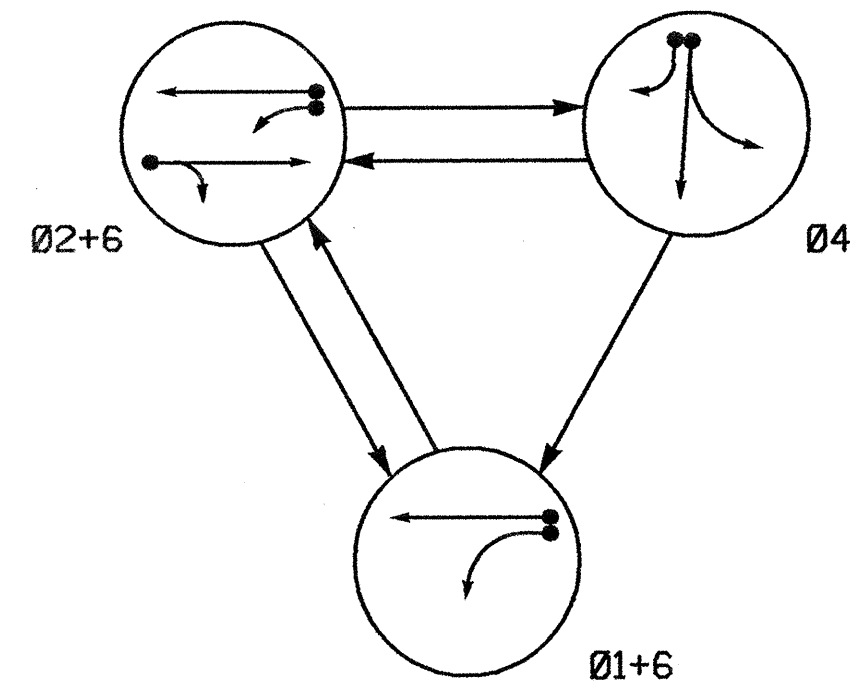


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	Ø 1 + 6	Ø 2 + 6	Ø 4	FLASH
21,22	R	G	R	Y
41,42,43	R	R	G	R
61	G	G	R	Y
62	G	G	R	Y

LOOP & DETECTOR UNIT INSTALLATION CHART											
TS-1 CONTROLLER											
LOOP NO.	SIZE (M)	TURNS	DIST. FROM STOPBAR (M)	NEW EXISTING	UNIT NO.	NEW EXISTING CHANNEL	NEMA PHASE	TIMING		PLACE CALL DURING PHASE	INHIBIT DELAY DURING GREEN?
								FEATURE	TIME		
1A	1.8X12	2-4-2	0	X	1	X	1 1	DELAY	15 SEC.	ALL	YES
2A	1.8X1.8	4	130	X	2	X	1 2	---	SEC.	ALL	NO
6A	1.8X1.8	4	130	X			2 6	---	SEC.	ALL	NO
4A	1.8X18	2-4-2	0	X	3	X	1 4	---	SEC.	ALL	NO
4B	1.8X18	2-4-2	0	X			2 4	DELAY	15 SEC.	ALL	YES

3 Phase Fully Actuated Isolated

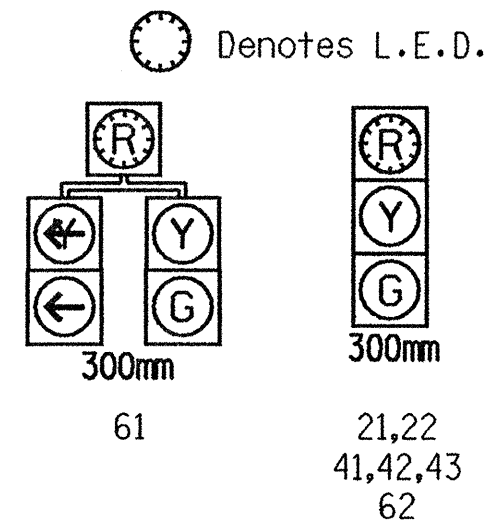
NOTES

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

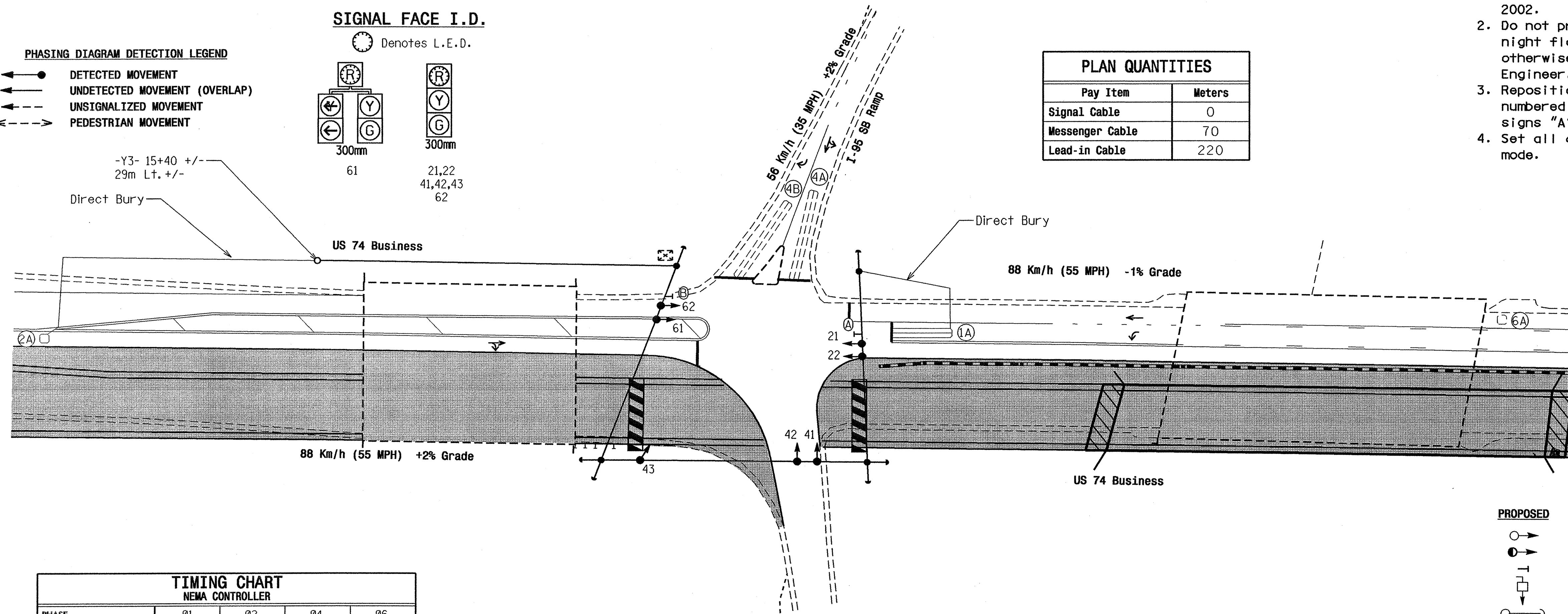
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE I.D.



PLAN QUANTITIES	
Pay Item	Meters
Signal Cable	0
Messenger Cable	70
Lead-in Cable	220



TIMING CHART				
NEMA CONTROLLER				
PHASE	Ø1	Ø2	Ø4	Ø6
MINIMUM GREEN	7 SEC.	14 SEC.	7 SEC.	14 SEC.
PASSAGE/GAP	2.0 SEC.	6.0 SEC.	2.0 SEC.	6.0 SEC.
YELLOW CHANGE INT.	4.5 SEC.	5.2 SEC.	4.0 SEC.	5.2 SEC.
RED CLEARANCE	2.0 SEC.	1.5 SEC.	2.0 SEC.	1.5 SEC.
MAX. I	15 SEC.	90 SEC.	25 SEC.	90 SEC.
RECALL POSITION	NONE	MIN. RECALL	NONE	MIN. RECALL
VEHI. CALL MEMORY	NONLOCK	LOCK	NONLOCK	LOCK
WALK	- SEC.	- SEC.	- SEC.	- SEC.
FLASHING DON'T WALK	- SEC.	- SEC.	- SEC.	- SEC.
VOLUME DENSITY	OFF	ON	OFF	ON
ACTUATION B4 ADD	- VEH.	- VEH.	- VEH.	- VEH.
SEC. PER ACTUATION	- SEC.	2.5 SEC.	- SEC.	2.5 SEC.
MAX. INITIAL	- SEC.	48 SEC.	- SEC.	48 SEC.
TIME B4 REDUCTION	- SEC.	15 SEC.	- SEC.	15 SEC.
TIME TO REDUCE	- SEC.	45 SEC.	- SEC.	45 SEC.
MINIMUM GAP	- SEC.	3.4 SEC.	- SEC.	3.4 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.

LEGEND

- | PROPOSED | EXISTING |
|--|-----------------------------------|
| ○ → Traffic Signal Head | ● → Traffic Signal Head |
| ○ → Modified Signal Head | N/A |
| ○ → Sign | N/A |
| ○ → Pedestrian Signal Head With Push Button & Sign | ○ → Pedestrian Signal Head |
| ○ → Signal Pole with Guy | ○ → Signal Pole with Guy |
| ○ → Signal Pole with Sidewalk Guy | ○ → Signal Pole with Sidewalk Guy |
| □ ⊗ Inductive Loop Detector | □ ⊗ Inductive Loop Detector |
| □ ⊗ Controller & Cabinet | □ ⊗ Controller & Cabinet |
| □ ⊗ Junction Box | □ ⊗ Junction Box |
| - - - 50mm Underground Conduit | - - - 50mm Underground Conduit |
| N/A → Right of Way with Marker | → Right of Way with Marker |
| → Directional Arrow | → Directional Arrow |
| → Pavement Marking Arrow | → Pavement Marking Arrow |
| ⓐ No Left Turn Sign (R3-2) | ⓐ No Left Turn Sign (R3-2) |
| ⓑ No Right Turn Sign (R3-1) | ⓑ No Right Turn Sign (R3-1) |

Temporary Signal 1 - Phase I

	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: <i>Timothy J. Williams</i> DATE: 2/19/04 SIG. INVENTORY NO. 06-0489 T1	