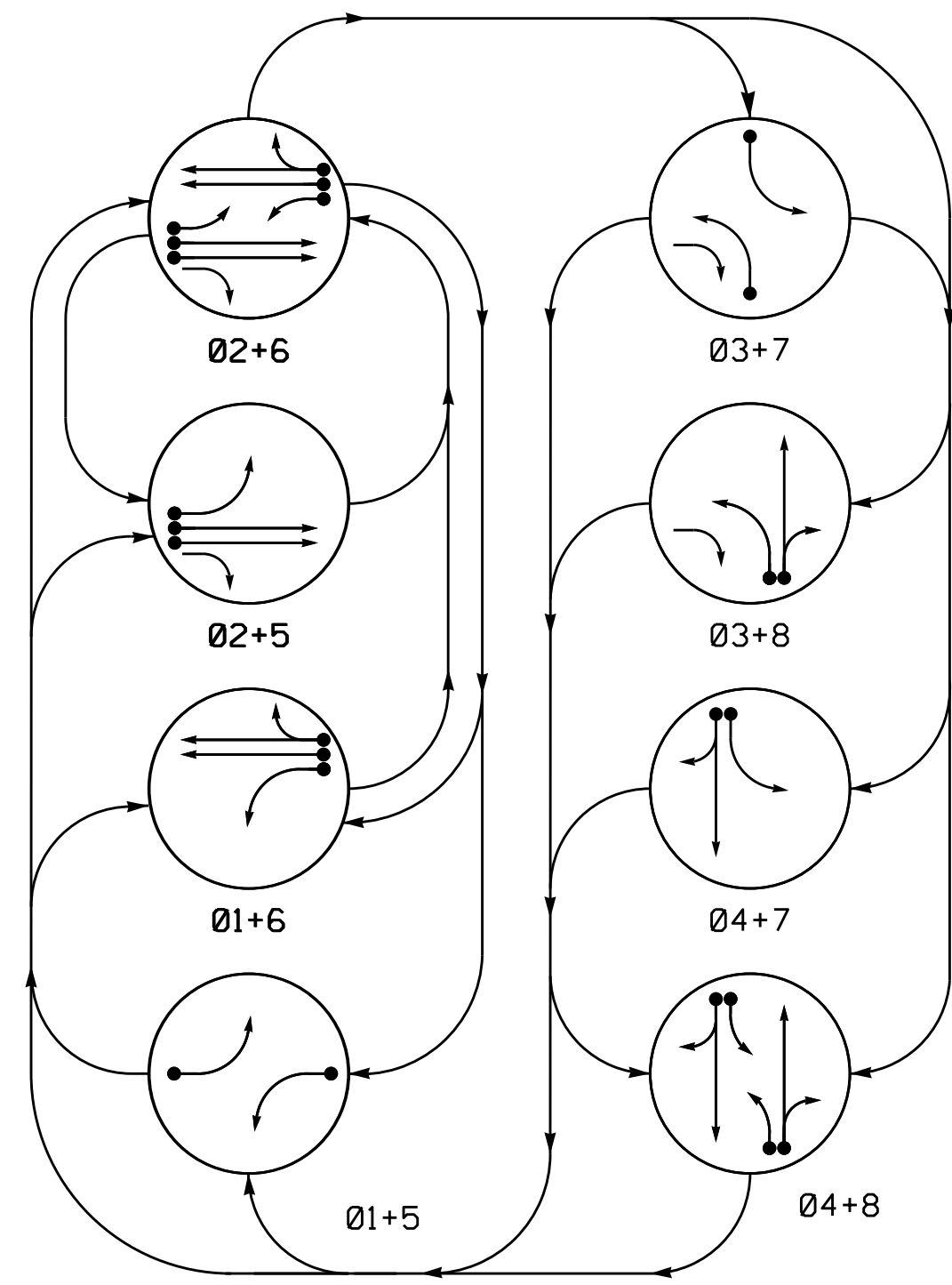


**PHASING DIAGRAM**



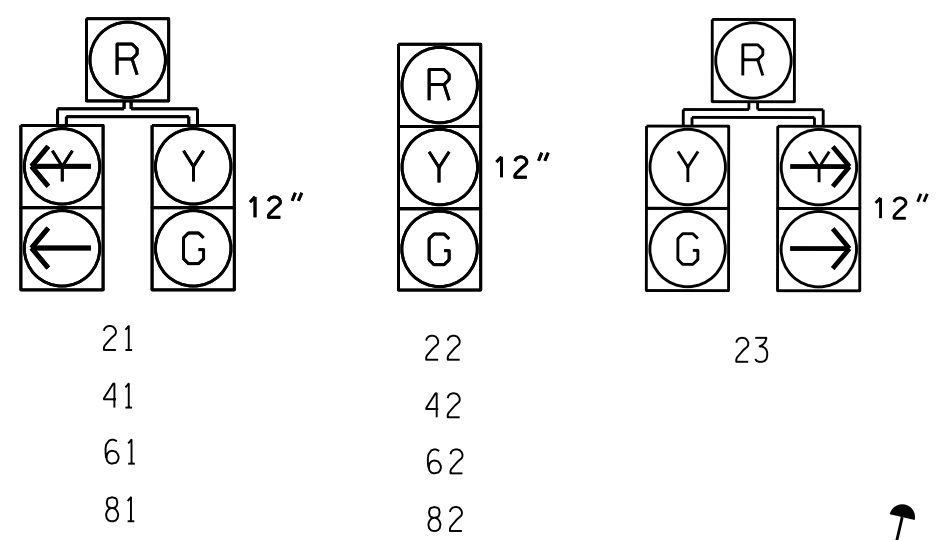
**PHASING DIAGRAM DETECTION LEGEND**

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

SIGNAL FACE	PHASE							
	01+5	02+5	02+6	03+7	03+8	04+7	04+8	F L S H
21	R	R	G	R	R	R	R	Y
22	R	R	G	R	R	R	R	Y
23	R	R	G	R	R	R	R	Y
41	R	R	R	R	R	R	G	R
42	R	R	R	R	R	R	G	R
61	R	G	R	R	R	R	R	Y
62	R	G	R	R	R	R	R	Y
81	R	R	R	R	R	R	G	R
82	R	R	R	R	R	R	G	R

**SIGNAL FACE I.D.**

All Heads L.E.D.

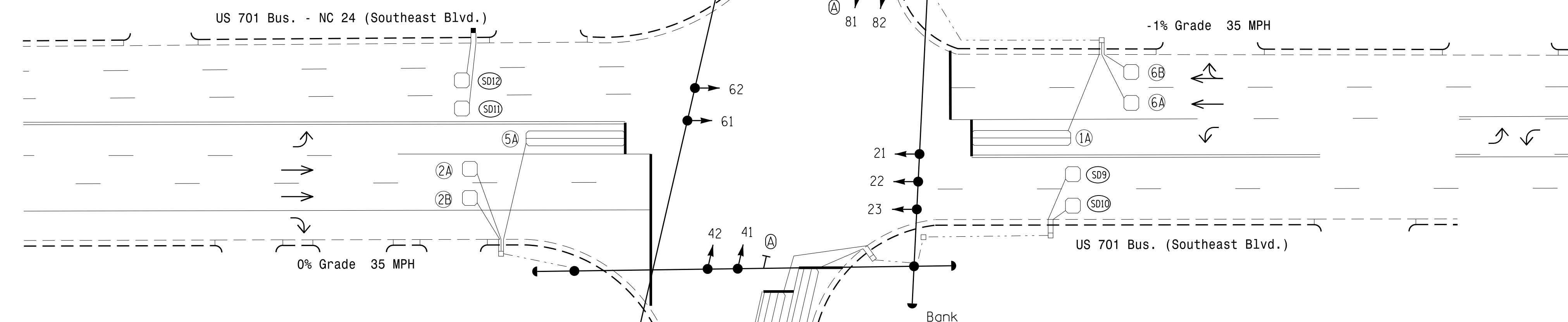


LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	15	-	-
					6	Y	Y	-	-	-	-	-
2A,2B	6X6	70	4	Y	2	Y	Y	-	-	-	-	-
3A	6X40	0	2-4-2	Y	3	Y	Y	-	-	15	-	-
					8	Y	Y	-	-	3	-	-
4A	6X40	0	2-4-2	Y	4	Y	Y	-	-	10	-	-
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	15	-	-
					2	Y	Y	-	-	-	-	-
6A,6B	6X6	70	4	Y	6	Y	Y	-	-	-	-	-
7A	6X40	0	2-4-2	Y	7	Y	Y	-	-	15	-	-
					4	Y	Y	-	-	3	-	-
8A	6X6	300	5	-	8	-	Y	-	3.0	-	-	-
8B	6X40	0	2-4-2	Y	8	Y	Y	-	-	10	-	-
SD9	6X6	+200	4	Y	-	-	-	-	-	-	Y	-
SD10	6X6	+200	4	Y	-	-	-	-	-	-	Y	-
SD11	6X6	+200	3	Y	-	-	-	-	-	-	Y	-
SD12	6X6	+200	3	Y	-	-	-	-	-	-	Y	-

8 Phase Fully Actuated US 701 Bus. (Clinton) CLS

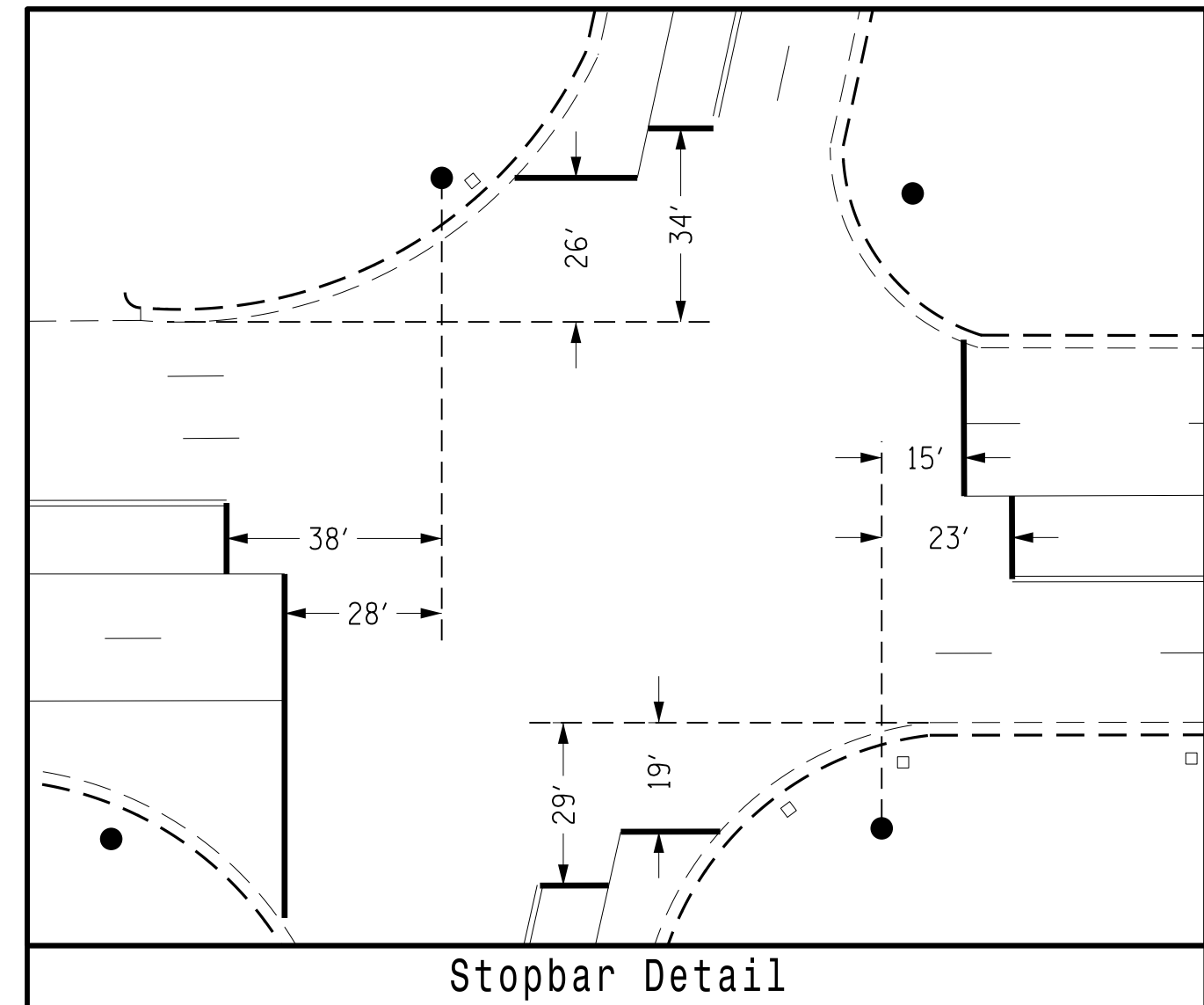
**NOTES**

- 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.
- Omit phase 3 during phase 4 on.
- Omit phase 7 during phase 8 on.
- Enable Backup Protect for phase 2 and 6 to allow the controller to clear from phase 2+6 to phase 2+5 or 1+6 by progressing through an all red display.
- Set all detector units to presence mode.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Closed loop system data: Controller Asset #: 0145.



FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1 *	7	12	7	7	7	12	7	7
Extension 1 *	2.0	3.0	2.0	2.0	2.0	3.0	2.0	2.0
Max Green 1 *	15	40	15	30	15	40	15	30
Yellow Clearance	3.0	3.9	3.0	4.6	3.0	3.9	3.0	4.6
Red Clearance	3.1	2.3	2.6	2.1	3.1	2.3	2.9	2.1
Red Revert	2.0	5.0	2.0	2.0	2.0	5.0	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	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.



PROPOSED	EXISTING
○→ Traffic Signal Head	●→ N/A
●→ Modified Signal Head	+
○→ Pedestrian Signal Head With Push Button & Sign	○→
○→ Signal Pole with Guy	○→
○→ Signal Pole with Sidewalk Guy	○→
□→ Inductive Loop Detector	□→
□→ Controller & Cabinet	□→
□→ Junction Box	□→
- - - 2-in Underground Conduit	- - -
N/A → Right of Way	- - -
→ Directional Arrow	→
⊙ Left Arrow "Only" Sign (R3-5L)	⊙

**Signal Upgrade**

Prepared In the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

**US 701 Business - NC 24**  
**(Southeast Boulevard)**  
**at NC 24/SR 1855 (Warsaw Road)**

Division 3 Sampson County Clinton

PLAN DATE: March 2017 REVIEWED BY: JPG

PREPARED BY: KGP, Jr. REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

Jason P. Gallaway 5/2/2017

SIG. INVENTORY NO. 03-0145

02-MAY-2017 09:04  
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 kgp@tsm.com