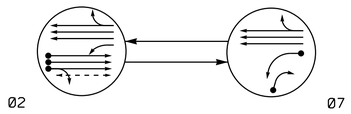
PROJECT REFERENCE NO.	SHEET NO.
R-2303E	Sig. 4.0

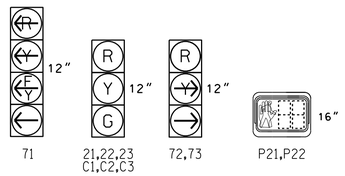
DEFAULT PHASING DIAGRAM



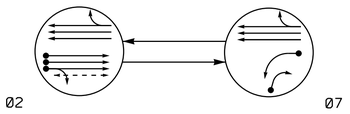
DEFAULT TABLE OF OPERATION			
SIGNAL FACE	PHASE 02	PHASE 07	FLASH
21,22,23	G	R	Y
C1,C2,C3	G	G	Y
71	~~F Y~~	←	~~Y~~
72,73	R	→	R
P21,P22	W	DW	DRK

SIGNAL FACE I.D.

All Heads L.E.D.



ALTERNATE PHASING DIAGRAM



ALTERNATE TABLE OF OPERATION			
SIGNAL FACE	PHASE 02	PHASE 07	FLASH
21,22,23	G	R	Y
C1,C2,C3	G	G	Y
71	~~R~~	←	~~Y~~
72,73	R	→	R
P21,P22	W	DW	DRK

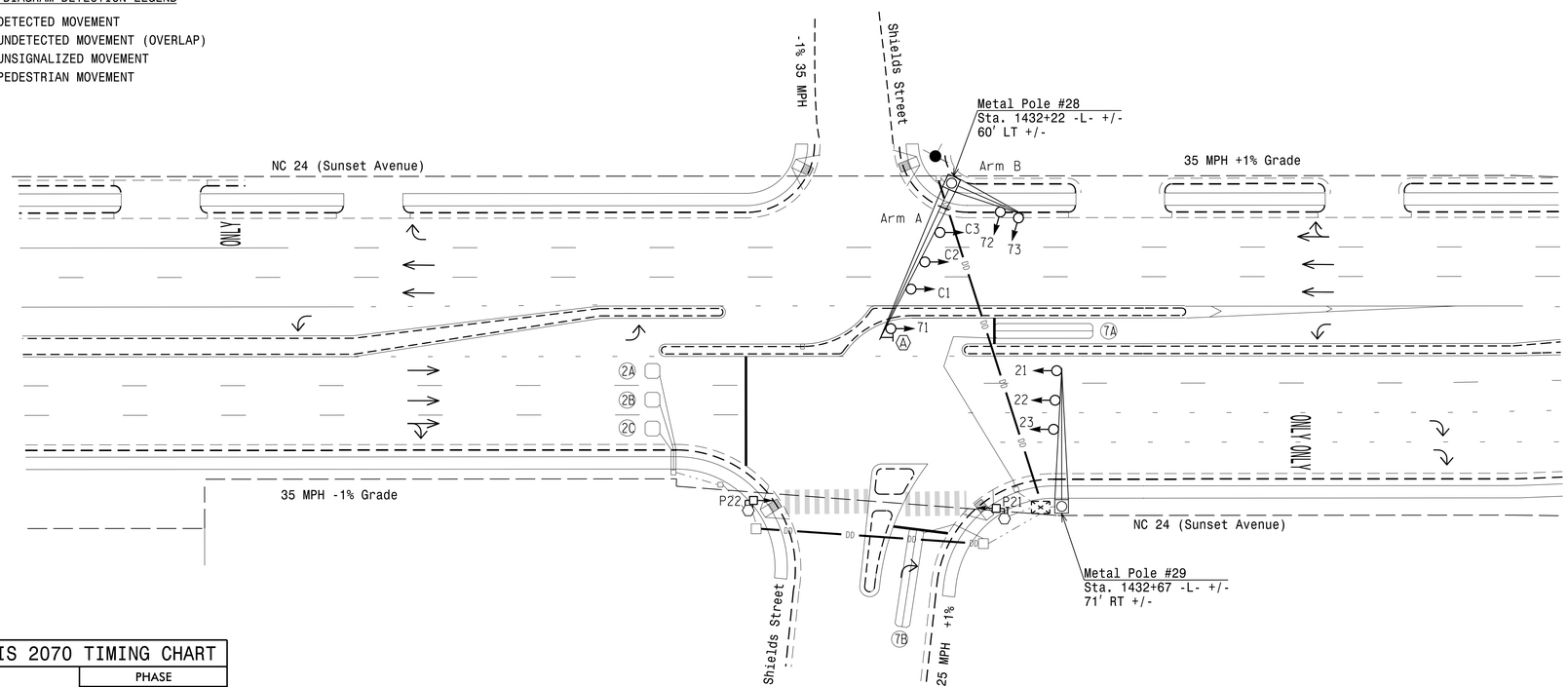
2 Phase
Fully Actuated
NC 24 (Sunset Avenue) CLS

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Set all detector units to presence mode.
4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. Heads C1, C2, C3 are continuously green.
6. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
7. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
8. The Division Traffic Engineer will determine the hours of use for each phasing plan.
9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
10. Closed loop system data: Controller Asset # 0344.

PHASING DIAGRAM DETECTION LEGEND

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



OASIS 2070 TIMING CHART

FEATURE	PHASE 2	PHASE 7
Min Green 1 *	10	7
Extension 1 *	3.0	2.0
Max Green 1 *	60	35
Yellow Clearance	3.9	3.0
Red Clearance	2.0	3.3
Walk 1 *	7	-
Don't Walk 1	20	-
Seconds Per Actuation *	-	-
Max Variable Initial *	-	-
Time Before Reduction *	-	-
Time To Reduce *	-	-
Minimum Gap	-	-
Recall Mode	MIN RECALL	-
Vehicle Call Memory	YELLOW	-
Dual Entry	ON	-
Simultaneous Gap	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.

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6X6	70	3	Y	2	Y	Y	-	-	-	-	Y
2B	6X6	70	3	Y	2	Y	Y	-	-	-	-	Y
2C	6X6	70	3	Y	2	Y	Y	-	-	-	-	Y
7A	6X40	0	2-4-2	Y	7	Y	Y	-	-	✳15	-	Y
7B	6X40	0	2-4-2	Y	7	Y	Y	-	-	10	-	Y

✳Disable Delay During Alternate Phasing Operation.

LEGEND

PROPOSED		EXISTING
○→	Traffic Signal Head	●→
◐→	Modified Signal Head	N/A
⊣	Sign	⊣
▭↓	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	→
N/A	Curb Ramp	◢
Ⓐ	"U-TURN YIELD TO RIGHT TURN" Sign (R10-16)	Ⓐ
⬡	Type II Signal Pedestal	⬢
▱	Metal Pole with Mastarm	▱
□	Oversized Junction Box	■

▽ New Installation

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

NC 24 (Sunset Avenue) at Shields Street

Division 3 Sampson County Clinton

PLAN DATE: August 2018 REVIEWED BY: ZML

PREPARED BY: KGP, Jr. REVIEWED BY:

SCALE 0 30 1"=30'

REVISIONS	INIT.	DATE
▽Add new signal to R-2303E.	KGP	01/11/2022

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 030530 ENGINEER ZACHARY M. LITTLE

DocuSigned by: Zachary Little 9/13/2018

SIG. INVENTORY NO. 03-0344

11-JAN-2022 07:03
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