US 74 (Independence Blvd)

Metal Pole #1 -Y3- 24+82 +/-84 LT +/-

55 MPH 1% Grade

R/W

ALTERNATE PHASING DIAGRAM SIGNAL FACE I.D. A I I

31, 32

Heads	L.E.D.	TABLE OF OPE	RA	TI	NC
			Р	HAS	E
12"	R Y 12"	SIGNAL FACE	Ø 3	Ø 6	TUDL
		31, 32	→	(FY	$\langle \rangle$
	(1, (2)	61, 62	R		Υ
	61, 62				

DEFAULT PHASING

PHASE	ALTERNATE PHASING TABLE OF OPERATION								
I I									
SIGNAL FACE SIGNAL Ø Ø Ø 6	- An-								
31, 32 PR									
61, 62 R 1	Ý								

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US 74 (Independence Blvd)

R/W

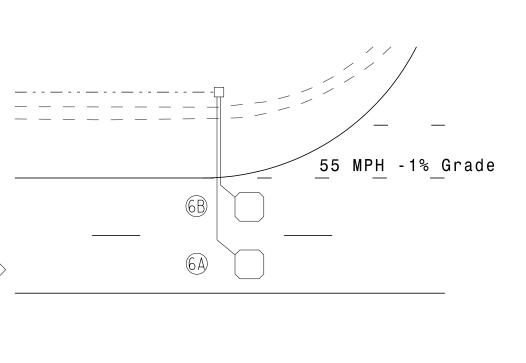
MAXTIME DETECTOR INSTALLATION CHART												
DETECTOR						PR	OGRAM	MII	VG			
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
3A	6X40	0	5	Χ	3	15.0*	-	Χ	-	Χ	-	Χ
6A	6X6	420	2-4-2	Χ	6	-	-	Χ	Χ	Χ	-	Χ
6B	6X6	420	2-4-2	Χ	6	-	-	Χ	Χ	Χ	_	Х

* Remove Delay During Alternate Phasing Operation.

2 Phase Fully Actuated w/ Alternate Phasing Operation US 74 Indian Trail CLS Signal System #11033

NOTES

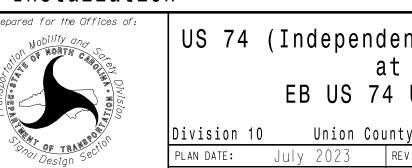
- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- flashing operation unless otherwise directed by the Engineer.
- 4. Set all detector units to presence
- 5. The Division Traffic Engineer will determine the hours of use for each phasing plan.
- 6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing



○→ Traffic Signal Head →→	
○→ Modified Signal Head N/A	
⊢ Sign ⊢	
Pedestrian Signal Head With Push Button & Sign	
○────────────────────────────────────	
Signal Pole with Sidewalk Guy	
Inductive Loop Detector (77777)	
Controller & Cabinet	
☐ Junction Box ■	
☐ Oversized Junction Box ■	
2-in Underground Conduit	
N/A Right of Way $$	
\longrightarrow Directional Arrow \longrightarrow	
Directional Drill N/A	
Metal Pole with Mastarm	
$\langle A \rangle$ No Left Turn Sign (R3-2) $\langle A \rangle$	
⟨B⟩ No Right Turn Sign (R3-1) B	
\bigcirc One Way Sign (R6-1) \bigcirc	

New	Installatio	n
Pre	enared for the Offices of:	Т

/_-_-<u>--</u>-_-



JS	74	(Independence	Boulevard
		at	

VOIS!			LD US	74 0-	ıuı	11		
00		Division 10	Union	County		India	n Trail	
//0		PLAN DATE:	July 2023	REVIEWE	BY:	S.G. Hay	ynie	
er,NC 27.	529	PREPARED BY:	P. Koloski	REVIEWE	BY:			
LE		RI	EVISIONS			INIT.	DATE	
20)							

RS&H
NC FIRM LICENSE No: F-0493
3521 SIX FORKS ROAD, SUITE 400 RALEIGH, NC 27615 (919) 926-4100

Vehicle Recall MIN. RECALL shown. Min Green for all other phases should not be lower than 4 seconds.

Dual Entry

Ped Clear * 14 Min Green 2.0 6.0 Passage 30 90 5.3 Yellow Change 3.0 1.1 Red Clear Added Initial * 1.5 Maximum Initial * 46 Time Before Reduction 15 40 Time To Reduce * 3.4 Minimum Gap Advance Walk Non Lock Detector

MAXTIME TIMING CHART

FEATURE

PHASE

Sig 4.0

PROJECT REFERENCE NO. | SHEET NO.

U-5808

2. Do not program signal for late night

3. Phase 3 may be lagged.

values supersede these values.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED FR US 74 U-Turn

029531 Steven G. Haynic7/13/2023

IG. INVENTORY NO.

<u>EXISTING</u>