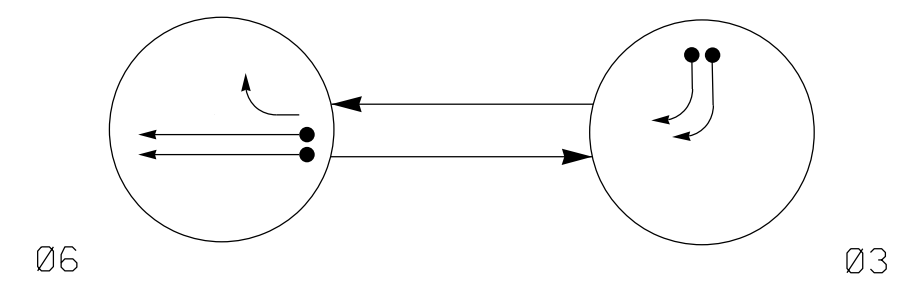


**2 Phase  
Fully Actuated  
US 74 - Indian Trail CLS #1**

**PHASING DIAGRAM**



**PHASING DIAGRAM DETECTION LEGEND**

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

**TABLE OF OPERATION**

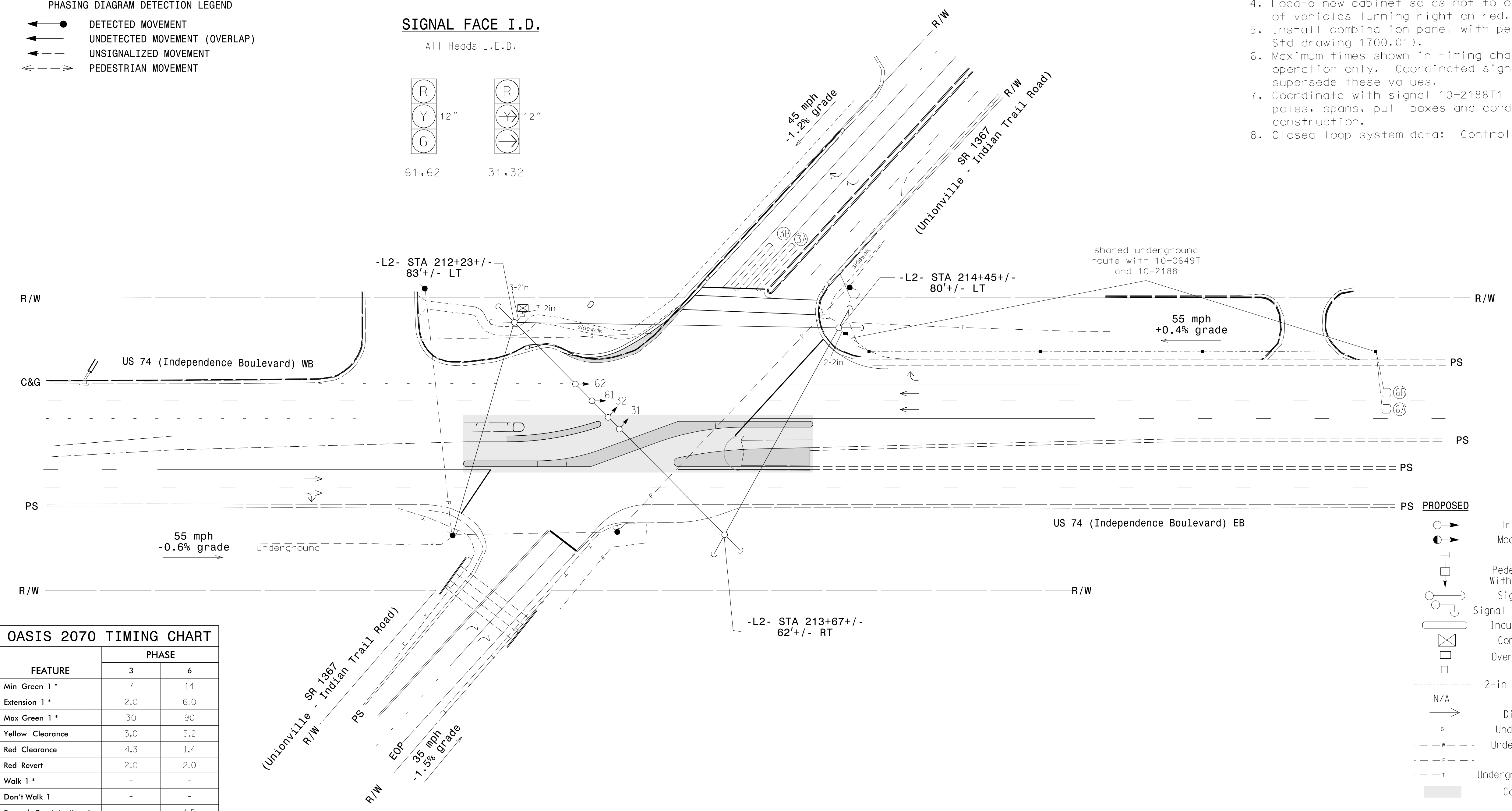
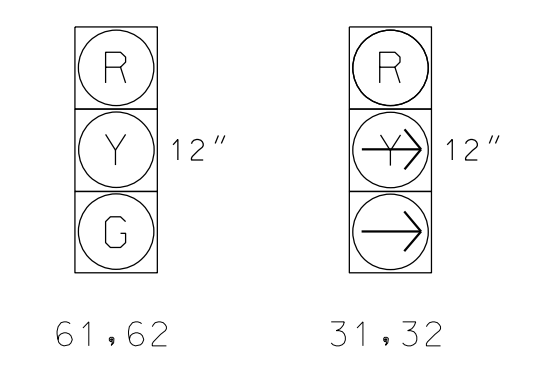
SIGNAL FACE	PHASE		FLASH
	06	03	
31, 32	R → R		
61, 62	G R Y		

**OASIS 2070 LOOP & DETECTOR INSTALLATION CHART**

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME			DELAY TIME
3A	6X40	0	2-4-2	-	3	Y	Y	-	-	10	-	Y
3B	6X40	0	2-4-2	-	3	Y	Y	-	-	10	-	Y
6A	6X6	420	6	-	6	Y	Y	-	-	-	-	Y
6B	6X6	420	6	-	6	Y	Y	-	-	-	-	Y

**SIGNAL FACE I.D.**

All Heads L.E.D.



- 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.
  - Set all detector units to presence mode.
  - Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
  - Install combination panel with pedestal extension (see Std drawing 1700.01).
  - Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
  - Coordinate with signal 10-2188T1 & 10-2188 - shared poles, spans, pull boxes and conduit systems construction.
  - Closed loop system data: Controller Asset #2187.

**OASIS 2070 TIMING CHART**

FEATURE	PHASE	
	3	6
Min Green 1 *	7	14
Extension 1 *	2.0	6.0
Max Green 1 *	30	90
Yellow Clearance	3.0	5.2
Red Clearance	4.3	1.4
Red Revert	2.0	2.0
Walk 1 *	-	-
Don't Walk 1	-	-
Seconds Per Actuation *	-	1.5
Max Variable Initial *	-	46
Time Before Reduction *	-	15
Time To Reduce *	-	30
Minimum Gap	-	3.4
Recall Mode	-	MIN RECALL
Vehicle Call Memory	-	YELLOW
Dual Entry	-	-
Simultaneous Gap	ON	ON

\* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

**LEGEND**

- |  |  |  |  |
|--|--|--|--|
|  | Proposed Traffic Signal Head           |  | Existing Traffic Signal Head           |
|  | Proposed Modified Signal Head          |  | Existing Modified Signal Head          |
|  | Proposed Sign                          |  | Existing Sign                          |
|  | Proposed Pedestrian Signal Head        |  | Existing Pedestrian Signal Head        |
|  | Proposed Signal Pole with Guy          |  | Existing Signal Pole with Guy          |
|  | Proposed Signal Pole with Sidewalk Guy |  | Existing Signal Pole with Sidewalk Guy |
|  | Proposed Inductive Loop Detector       |  | Existing Inductive Loop Detector       |
|  | Proposed Controller & Cabinet          |  | Existing Controller & Cabinet          |
|  | Proposed Oversized Junction Box        |  | Existing Oversized Junction Box        |
|  | Proposed Junction Box                  |  | Existing Junction Box                  |
|  | Proposed 2-in Underground Conduit      |  | Existing 2-in Underground Conduit      |
|  | Proposed Right of Way                  |  | Existing Right of Way                  |
|  | Proposed Directional Arrow             |  | Existing Directional Arrow             |
|  | Proposed Underground Gas Line          |  | Existing Underground Gas Line          |
|  | Proposed Underground Water Line        |  | Existing Underground Water Line        |
|  | Proposed Power Line                    |  | Existing Power Line                    |
|  | Proposed Underground Telephone Cable   |  | Existing Underground Telephone Cable   |
|  | Proposed Construction Zone             |  | Existing Construction Zone             |

Signal Upgrade  
TCP Phase III - Temporary Design 1

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

**PLANS PREPARED BY:**

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	US 74 (Independence Blvd) WB at SR 1367 (Unionville-Indian Trail Road)		SEAL 
	Division 10    Union County    Indian Trail	PLAN DATE: June 2015    REVIEWED BY: LM Moon	PREPARED BY: K Smith    REVIEWED BY: J Highland
SCALE 0    40 1" = 40'	REVISIONS INIT.    DATE	DATE	SIG. INVENTORY NO. 10-2187T1

11-NOV-2016 13:00  
 N:\Traffic\065\signal\065\signal\065\02-2187T1.dgn  
 lmoon AT CAR-LMOON1-W7