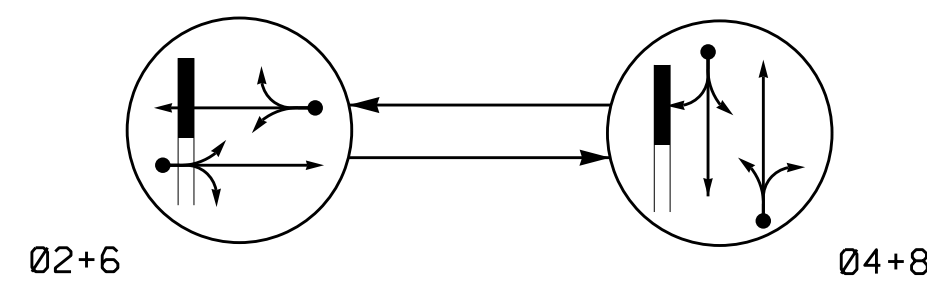


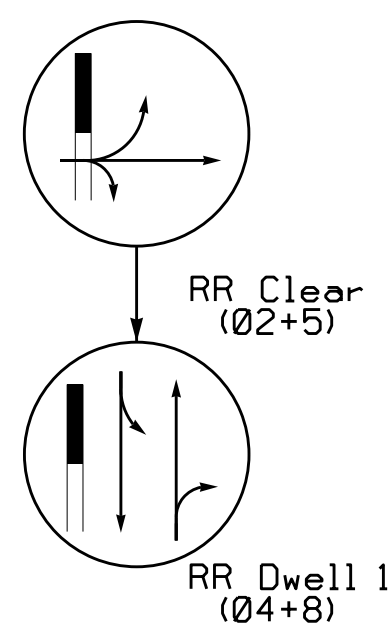
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

RAIL PREEMPT PHASES
(High Priority)



SIGNAL FACE	PHASE				
	Ø2+6	Ø4+8	Ø4+8	Ø4+8	Ø4+8
21	G	R	G	R	Y
22	G	R	G	R	Y
41,42	R	G	R	G	R
61,62	G	R	R	R	Y
81,82	R	G	R	G	R
(A), (B)	OFF	OFF	ON	ON	*

* See Note 6

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	6X40	+1	2-4-2	-	2	Y	Y	-	-	-	-	Y
4A	6X40	+5	2-4-2	-	4	Y	Y	-	-	5	-	Y
6A	6X40	+1	2-4-2	-	6	Y	Y	-	-	-	-	Y
8A	6X40	+5	2-4-2	-	8	Y	Y	-	-	5	-	Y

2 Phase Fully Actuated w/ RR Preemption Asheville Signal System

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- This location contains railroad preemption phasing. Do not program signal for late night flashing operation.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- Ensure flashing operation does not alter operation of blankout signs.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

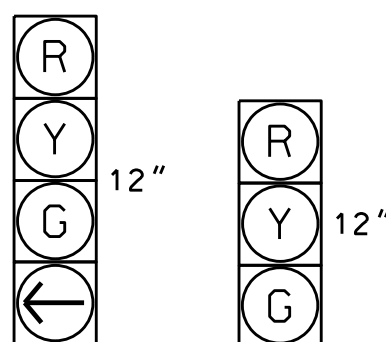
OASIS 2070 RR PREEMPT

FUNCTION	PRE 1
Interval 1 - Track Clearance Green	16
Interval 1 - Track Clearance Yellow	4.1
Interval 1 - Track Clearance Red	1.3
Interval 2 - Dwell Green	255
Interval 2 - Dwell Yellow	0.0*
Interval 2 - Dwell Red	0.0*
Interval 5 - Exit Green	1
Interval 5 - Yellow	0.0
Interval 5 - Red	0.0
Exit Phase(s)	2+6
Priority	HIGH
Delay Time	0.0
Min Green Before Pre	1
Ped Clear Before Pre	0
Yellow Clear Before Pre	0.0*
Red Clear Before Pre	0.0*
Dwell Min Time	16
Enable Backup Protection	N
Ped Clear Through Yellow	N
Omit Overlaps	-

* Time defaults to time used for phase during normal operation

SIGNAL FACE I.D.

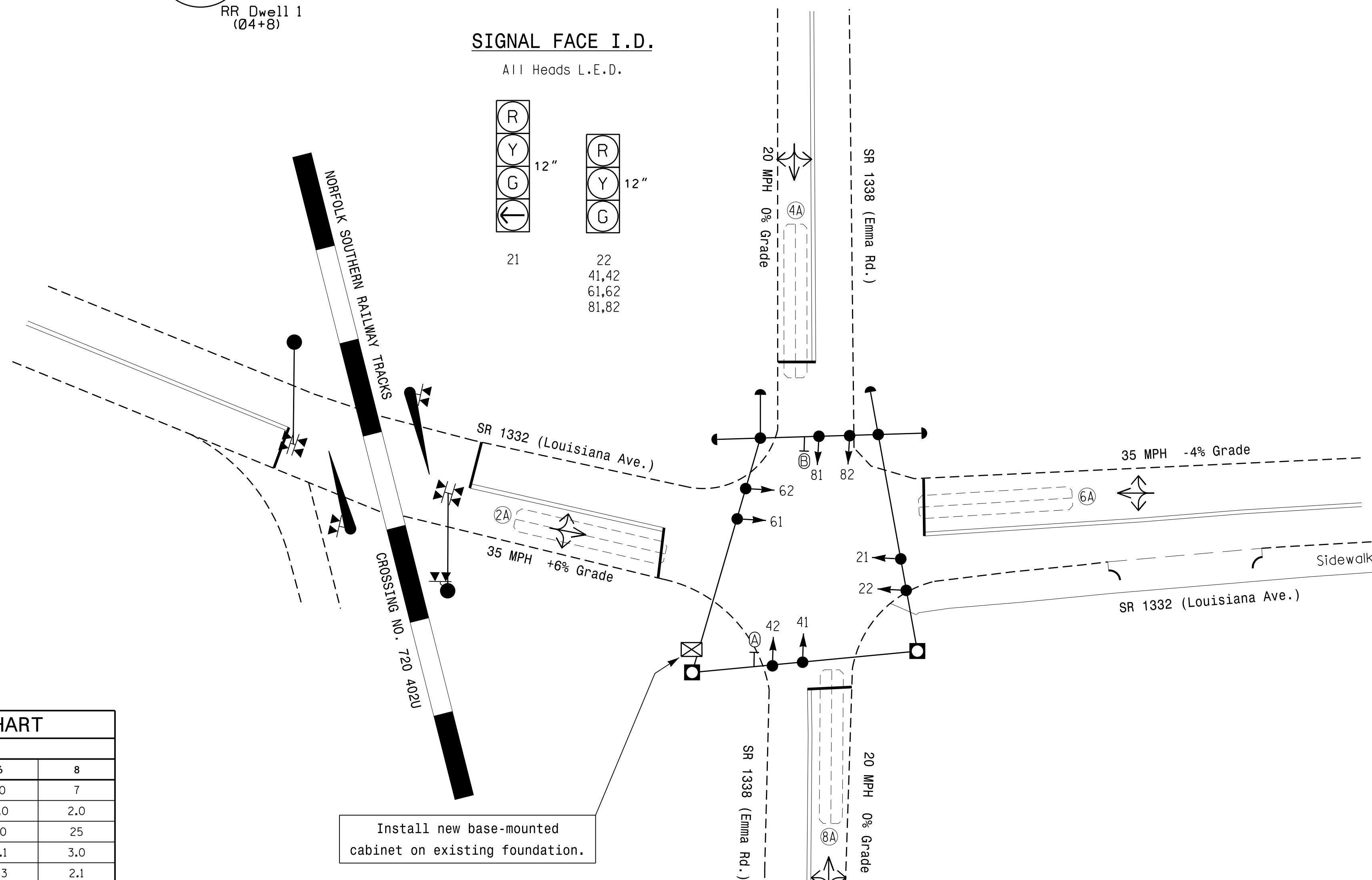
All Heads L.E.D.



OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	10	7	10	7
Extension 1 *	3.0	2.0	3.0	2.0
Max Green 1 *	50	25	50	25
Yellow Clearance	4.1	3.0	4.1	3.0
Red Clearance	1.3	2.1	1.3	2.1
Red Revert	2.0	2.0	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

* 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.



Install new base-mounted cabinet on existing foundation.

LEGEND

- | PROPOSED | EXISTING |
|--|--|
| ○ Traffic Signal Head | ● Traffic Signal Head |
| ◐ Modified Signal Head | N/A |
| ◑ Sign | ◑ Sign |
| ◒ Pedestrian Signal Head With Push Button & Sign | ◒ Pedestrian Signal Head With Push Button & Sign |
| ◓ 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 |
| --- 2-in Underground Conduit | --- 2-in Underground Conduit |
| N/A Right of Way | --- Right of Way |
| → Directional Arrow | → Directional Arrow |
| ⊙ Metal Strain Pole | ⊙ Metal Strain Pole |
| N/A Railroad Tracks | — Railroad Tracks |
| N/A Railroad Cantilever | — Railroad Cantilever |
| N/A Railroad Gate and Flasher | — Railroad Gate and Flasher |
| Ⓐ Internally Illuminated Blankout Sign | Ⓐ Internally Illuminated Blankout Sign |
| Ⓑ Internally Illuminated Blankout Sign | Ⓑ Internally Illuminated Blankout Sign |

Signal Upgrade

<p>750 N. Greenfield Pkwy, Garner, NC 27529</p>	<p>SR 1332 (Louisiana Avenue) at SR 1338 (Emma Road)</p>		<p>SEAL</p>
	<p>Division 13 Buncombe County Asheville</p> <p>PLAN DATE: July 2016 REVIEWED BY: R.N. Zinser</p> <p>PREPARED BY: Jeff Spence REVIEWED BY:</p>	<p>REVISIONS</p> <p>INIT. DATE</p>	

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