

PHASING DIAGRAM

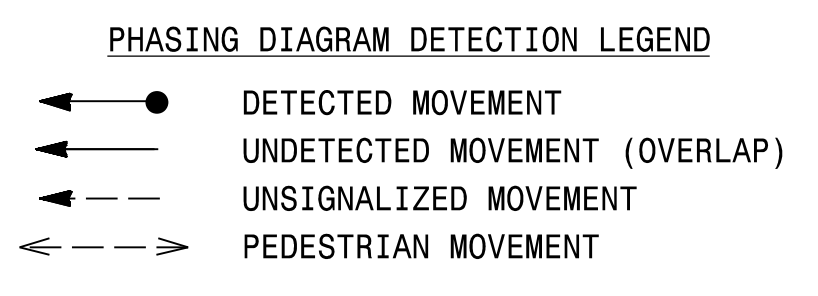
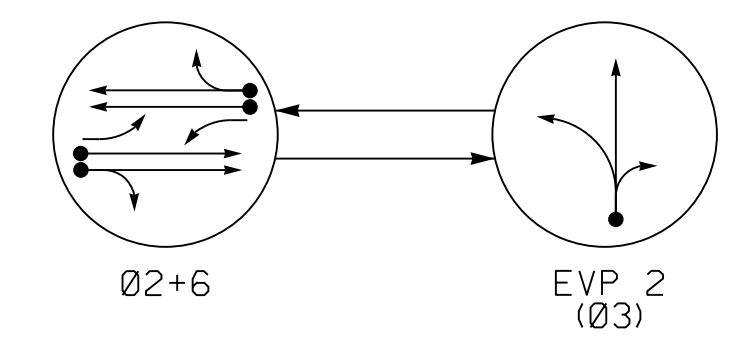
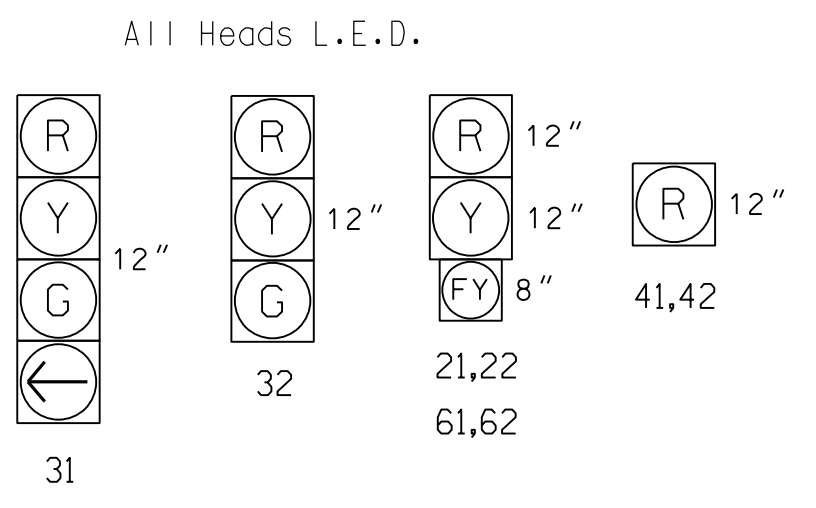


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	2+6	EVP 2	FL	HL*
21,22	FY	R	Y	
31	FR	G	R	
32	FR	G	R	
41,42	FR	R	R	
61,62	FY	R	Y	

FY = 8" FLASHING YELLOW
FR = FLASHING RED
*SEE NOTE #2

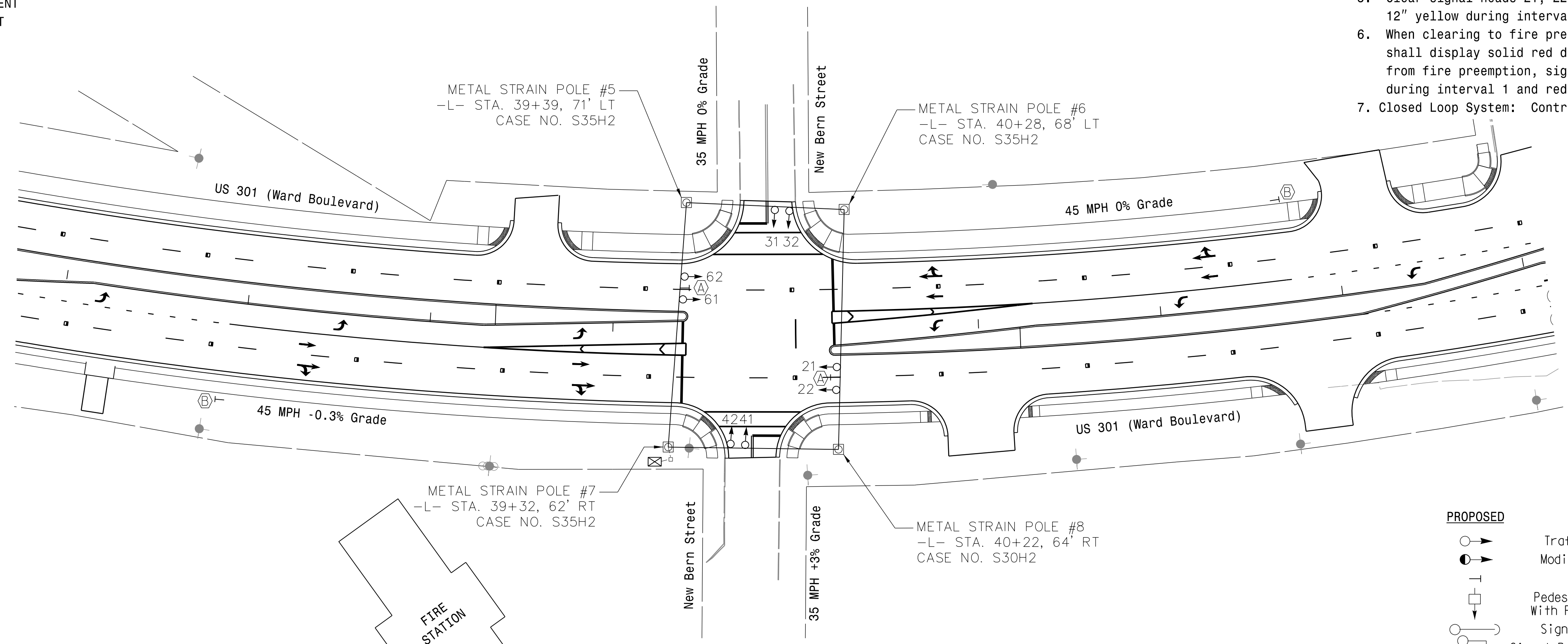
SIGNAL FACE I.D.



2-Phase Semi-Actuated With Emergency Vehicle Preemption US 301 (Ward Boulevard) 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 Division Traffic Engineer.
- Reconnect new cabinet to existing emergency vehicle preemption switch, which is located in the Fire Station.
- The Division Traffic Engineer will determine the Delay Time and Dwell Time for the emergency vehicle preemption timing.
- Clear signal heads 21, 22, 61, and 62 from flashing 8" yellow to 12" yellow during interval 1 and steady red during interval 2.
- When clearing to fire preemption, signal heads 31, 32, 41 and 42 shall display solid red during intervals 1 and 2. When clearing from fire preemption, signal heads 31 and 32 shall display yellow during interval 1 and red during interval 2.
- Closed Loop System: Controller Asset # 0282



OASIS 2070 TIMING CHART

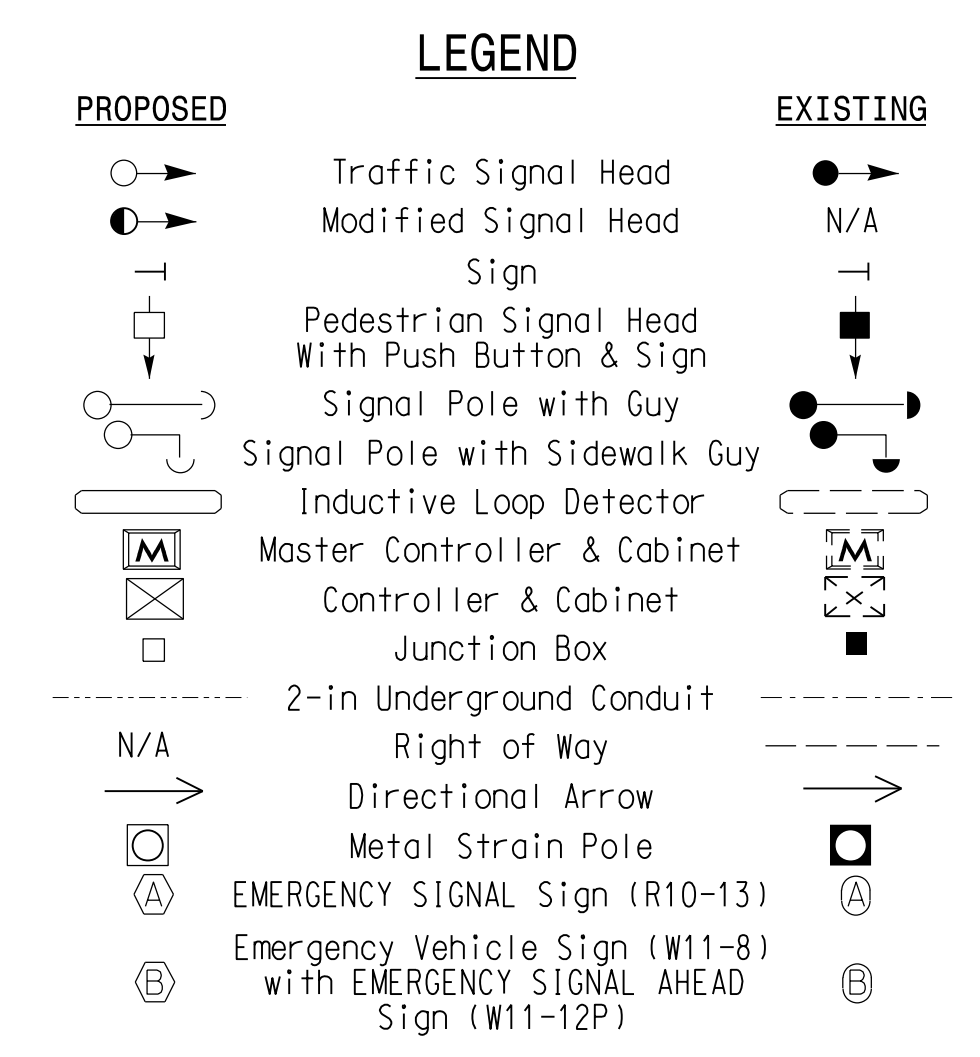
FEATURE	PHASE		
	2	3	6
Min Green 1 *	12	7	12
Extension 1 *	0.0	0.0	0.0
Max Green 1 *	30	30	30
Yellow Clearance	4.6	3.7	4.6
Red Clearance	1.0	1.9	1.0
Red Revert	2.0	2.0	2.0
Walk 1 *	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation *	-	-	-
Max Variable Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Recall Mode	MIN RECALL	-	MIN RECALL
Vehicle Call Memory	YELLOW	-	YELLOW
Dual Entry	-	-	-
Simultaneous Gap	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.

OASIS 2070 EV PREEMPT

FUNCTION	EV PRE 2
Interval 1 - Dwell Green	255
Interval 1 - Dwell Yellow	3.7
Interval 1 - Dwell Red	1.9
Interval 5 - Exit Green	1
Interval 5 - Yellow	0.0
Interval 5 - Red	0.0
Exit Phase(s)	2+6
Priority	MEDIUM
Delay Time	**
Min Green Before Pre	1
Ped Clear Before Pre	-
Yellow Clear Before Pre	4.6
Red Clear Before Pre	1.0
Dwell Min Time	**
Enable Backup Protection	Y
Ped Clear Through Yellow	N
Omit Overlaps	-
Preempt Extend	N/A

** SEE NOTE #3



04-AUG-2017 11:01 X:\P\03\fact\US_301\TTC\off\cns\signal\m\k\U-5935-SIG-03.dgn KMCORRY AT NDC\W\CORRY

Michael Baker INTERNATIONAL

8000 Regency Parkway, Suite 600
Cary, North Carolina 27518
Phone: 919-463-5488
NC License No.: F-1084
MBAKERINTL.COM

Signal Modification

US 301 (Ward Boulevard) at New Bern Street

Division 4 Wilson County Wilson

PLAN DATE: June 2017 REVIEWED BY: W M Ruhssam

PREPARED BY: K M Cory REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

DocuSigned by:
Kelly M Cory 8/4/2017

EXP. DATE: DATE

SIG. INVENTORY NO. 04-0282