

(2A)[(2B)[
	45 MPH 0% Grade	

	ASC/3	TIMIN	G CHAR	Т	
	PHASE				
FEATURE	2	3	4	6	8
Min Green *	12	7	7	12	7
Walk *	0	0	0	7	7
Ped Clear	0	0	0	23	24
Veh. Extension *	6.0	1.0	1.0	6.0	1.0
Max 1 *	90	20	15	90	15
Yellow	4.5	3.0	4.1	4.5	4.1
Red Clear	1.8	2.9	1.8	1.8	1.8
Actuations B4 Add *	-	-	-	-	-
Seconds /Actuation *	1.5	-	-	1.5	-
Max Initial *	34	-	-	34	-
Time Before Reduction *	1-5	-	-	15	-
Time To Reduce *	30	-	-	30	-
Minimum Gap	3.0	-	-	3.0	_
Locking Detector	Х	-	-	X	_
Recall Position	VEH RECALL	-	-	VEH RECALL	-
Dual Entry	-	-	-	-	Х
Simultaneous Gap	Х	Х	Х	Х	Х

PROJECT REFERENCE NO.	SHEET NO.
U - 5742	Sig.124.0

3 Phase W/EV Preemption Fully Actuated Fayetteville Signal System

NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- 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. In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- 5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 6. The cabinet should be designed to include an Auxiliary Output file for future use.
- 7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 8. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 9. Pavement markings are existing.
- 10. Emergency vehicle preemption switch is located in the fire department
- 11. The Division Traffic Engineer will determine the Delay before Preempt and Preempt Dwell Min Green time for the emergency vehicle preemption timing.
- 12. Clear signal heads 51,52,53 & 54 from flashing 8" yellow to steady 12" yellow during interval 1 and steady red during interval 2.
- 13. Transition signal head 55 to preemption from flashing red by displaying steady red during interval 1 and 2. Clear signal head 55 out of preemption by displaying yellow during interval 1 and red during interval 2.
- 14. Program signal heads numbered 81 and 82 to clear to all red before going into preempt from 4+8.
- 15. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing alues supersede these values.

	LEGEND						
	<u>PROPOSED</u>		<u>EXISTING</u>				
	O→ Traffic	Signal Head	●→				
	●→ Modified	d Signal Head	N/A				
	<u> </u>	Sign					
	d Pedestric ↓ With Push	n Signal Head Button & Sigr	ר א ר א				
	N/A Pedestr	ian Pedestal	•				
Signal Pole with Guy							
		Loop Detector					
Controller & Cabinet							
		Chair Ramo					
		raround Condui	→ ···· · · · · · · · · · · · · · · · ·				
	N/A Rigt	nt of Way					
	\longrightarrow Direct	ional Arrow	\rightarrow				
	$\langle \overline{A} angle$ Left Arrow "O	NLY" Sign (R3-	-5L) (A)				
	⟨B⟩ Right Arrow "C	NLY" Sign (R3	–5R) 🖲				
	© "Fire S	ignal″Sign	Ô				
	(D) "Fire Signal Ar	nead"Sign (W	3-10) 🔘				
	$\langle E \rangle$ "Stop Here On	Red" (R10-6)	Sign (E)				
	(F) "Freeflow R	ight Turn" Sig	in Ē				
de		DOCUM	NENT NOT CONSIDERED FINAL				
of:		UNLESS					
	SR 1408 (Bonanza Dr	ive)					
_	at						
niv <i>isi</i> i	SR 1437/SR 2750 (Santa Fe Drive)						
5	Division 6 Cumberland County	Favetteville	029904				
	PLAN DATE: March 2016 REVIEWED BY:	JPG, PE	NGINEER .				
VC 27529	PREPARED BY: EM Minshew REVIEWED BY:		P. GAL				
40	REVISIONS	INIT. DATE	DocuSigned by: "11111111				
			-F700FA70481841D				

SIG. INVENTORY NO.

06-0453

1 " = 40