



			PROJECT REFERENCE NO.	SHEET NO.				
0AC	<u>)H</u>	<u>NOTES</u>	B-5351	Sig. 4.4				
1.	Overspeed	ng is critical to the proper oper Detection system, Make sure loop programmed in the NQ4 unit,						
2.	The NQ4 unit shall be located in an auxiliary cabinet adjacent to the Long Vehicle Overspeed Detection loops.							
3.	Relay K1 is an enclosed SPDT general purpose relay with a 120VAC coil, 10A contacts, and octal style plug.							
4.	The RC network across the coil of K1 is 0.1 micro farad, 100 ohm.							
5.	EDCO SPA-60BS is a surge protector for 120VAC interconnect circuits.							
6.	EDCO SHP30	0-10 is an AC service surge prote	ctor.					
7.	Terminal strips TB1, TB2, TB3, and TBA to be added by the installer.							
8.	DO NOT ins	tall ground rods at the auxiliary	cabinet.					
9.	Install equipment ground from the controller cabinet to the auxiliary cabinet if not already present.							
10.	Install a disconnect at the auxiliary cabinet if there is no disconnect already present.							
11.	IMPORTANT! A jumper must be installed between Input File terminals J14-E and J14-K.							
12.	IMPORTANT! For proper operation of the Dynamic Red Extension System, tie TB9-12 to AC neutral.							
13.	card inser	Make sure both channels of the . ted in Input File slot J14 are se ration. See sheet 3 of this elec	t for INVERTED					
	NOT ter the mor 1. 2. 3. 4. 5.	NORTHSTAR CONTROLS MODEL N PROGRAMMING DETAIL (program unit as shown below) Te: Unit must be programmed using a PC minal emulator program. For connection a terminal emulator, refer to the NQ4 of hual. bgram the NQ4 by typing the following c SET SPEED = 55 SET LENGTH = 22' SET ALARMTIME = 12 SET SEPARATION = 16' (leading edge to edge - program actual measured separat SET LOOP LENGTH = 6' (program actual loop length) SAVE	and a on to operation commands:					
	cal Detail - of 5	Temporary Design 3 (TMP Phase III)	DOCUMENT NOT C FINAL UNLES SIGNATURES CO	SS ALL				
ICAL A	AND PROGRAMMING DETAILS FOR:	I-85 Bus. / US 29-70	SEAL					
	in the Offices of:	at SR 1144 (River Road)	ROFESSION SEAL					
		Division 7 Guilford County Jame PLAN DATE: February 2018 REVIEWED BY:	stown 036880	SEAL 036880				

	PLAN DATE: February 2018	REVIEWED BY:			H M. MULT	
HS CONTRACTOR	PREPARED BY: S. Armstrong	REVIEWED BY:				
Signals Management	REVISIONS		INIT.	DATE	DocuSigned by:	
					Keith M. Mins	2/8/2018
Greenfield Pkwy.Garner.NC 27529					2F80786E8CD34A5	DATE
					SIG. INVENTORY NO. 07	'-1191T3