

	PROJECT REFERENCE NO.	. SHEET NO.	
		Sig ⁶	
NOTES	2016CPT.03.09.10101, Etc.		
II loop lead-ins shall be twisted.			
oop spacing is critical to the proper operation f this Overspeed Detection System. Make sure oop spacing is correctly programmed in NQ4 Unit.			
nsure that connectors on rear of NQ4 are seated ecurely.			
Q4 Unit shall be located in an auxiliary cabinet djacent to Speed Warning System loops.			
nit power is connected by standard electrical pl	ug.		
erminal strips TB1, TB2, TB3, & TBA to be added nstaller.	bу		
elay 'K1' is a SPDT with an 120VAC coil. Potte rumfield no. KRP5AGAG, Dot Material no. 6250286			
C network across the coil of K1 is Dot no. 10601	8075.		
DCO SPA-60BS is a surge protector for 120VAC nterconnect circuits, Dot Material no, 62502207	6.		
DCO SHP300-10 is an AC service surge protector. ot Material no. 625022075.			
MPORTANT! A jumper must be installed between i ile terminals J14-E and J14-K if not already pr			
MPORTANT! For proper operation of the Long Veh etection Unit, tie TB9-12 to AC neutral.	icle		
MPORTANT! Make sure both channels of AC isolator nserted at input file position J14 are set for in operation.			
o not install ground rods at auxiliary cabinet.			
nstall disconnect if there is no disconnect prese t auxiliary cabinet.	ent		
nstall equipment ground from controller cabinet t uxiliary cabinet if not already present.	-o		
	ล		
NORTHSTAR CONTROLS MODEL NQ4 PROGRAMMING DETAIL			

(program unit as shown)

NOTE: UNIT MUST BE PROGRAMMED USING PC AND HYPERTERMINAL PROGRAM. FOR CONNECTION TO HYPERTERMINAL REFER TO NO4 OPERATION MANUAL. PROGRAM NQ4 BY TYPING THE FOLLOWING COMMANDS 1. SET SPEED=55 2. SET LENGTH=22' 3. SET ALARMTIME=12 4. SET SEPARATION=16' (LEADING EDGE TO LEADING EDGE) (THIS VALUE MAY VARY, PROGRAM ACTUAL MEASURED SEPARATION) 5. SET LOOP LENGTH=6'

(THIS VALUE MAY VARY, PROGRAM ACTUAL MEASURED LOOP LENGTH) 6. SAVE

NOTE PROGRAMMING APPLIES TO BOTH LANE 1 AND LANE 2

Signal Upgrade - Sheet 5 of 10

TRICAL AND PROGRAMMING DETAILS FOR:	US 17				SEAL			
Prepared in the Offices of:	at NC 904 (Longwood Road/ Seaside Road) Division 3 Brunswick County Grissettown PLAN DATE: December 2012 REVIEWED BY: JTR			SEAL 008453				
	PREPARED BY: S. Armstrong	REVIEWED BY:			-DocuSigned by:	, III		
Hanagement Management N.Greenfleld Pkwy.Garner.NC 27529			фяіт. 97R	DATE 7/20/2015	0, 50 0	12/10/2012 DATE		
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