

| | PROJECT | REFERENCE NO. | SHEET NO. |
|---|---------|-----------------|------------|
| | | | Sig. 4 |
| | | 2016CPT.03.09.1 | 0101, Etc. |
| <u>NOTES</u> | | | |
| All loop lead-ins shall be twisted. | | | |
| oop spacing is critical to the proper operation of this Overspeed Detection System. Make sure oop spacing is correctly programmed in NQ4 Unit | | | |
| nsure that connectors on rear of NQ4 are seated securely. | | | |
| NQ4 Unit shall be located in an auxiliary cabine adjacent to Speed Warning System loops. | t | | |
| Init power is connected by standard electrical p | lug. | | |
| erminal strips TB1, TB2, TB3, & TBA to be added | bу | | |
| Relay 'K1' is a SPDT with an 120VAC coil. Pott Brumfield no. KRP5AGAG, Dot Material no. 625028 | | | |
| The RC Network across the coil of 'K1' is a .1 m farad, 100 ohm, Dot Material no, 106018075, P&B no, 104M06QC100 | icro | | |
| DCO SPA-60BS is a surge protector for 120VAC Interconnect circuits, Dot Material no, 6250220 | 76. | | |
| EDCO SHP300-10 is an AC service surge protector. Oot Material no. 625022075. | | | |
| o not install ground rods at auxiliary cabinet. | | | |
| nstall equipment ground from controller cabinet auxiliary cabinet if not already present. | to | | |
| nstall disconnect if there is no disconnect pres at auxiliary cabinet. | sent | | |
| MPORTANT! A jumper must be installed between in ile terminals J14-E and J14-K if not already pro | | | |
| MPORTANT! For proper operation of the Long Veh Detection 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. | | t | |
| | | | |
| NORTHSTAR CONTROLS MODEL NQ4 | | | |
| PROGRAMMING DETAIL | | | |
| (program unit as shown) | | | |
| NOTE: UNIT MUST BE PROGRAMMED USING PC AND HYPERTERMINAL PROGRAM | A. | | |
| 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) | | | |
| | 111 | | |

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

| gnal Upgrade - Sheet 3 of 5 | | | | | |
|--|--|--------------|---|--|--|
| TRICAL AND PROGRAMMING DETAILS FOR: | | | SEAL | | |
| Prepared in the Offices of: | SEAL 008453 | | | | |
| Et anagement Scitter | PREPARED BY: James Peterson REVISIONS | REVIEWED BY: | | | |
| N.Greenfield Pkwy.Garner.NC 27529 | .∨Installed_new_loops, no change to electrical_detai | | John T. Rowe, Jr. <u>1-08-10</u> 641 3660145EURE DATE SIG. INVENTORY NO. 03-0553 | | |