



COMMONWEALTH of VIRGINIA

DEPARTMENT OF TRANSPORTATION
1401 EAST BROAD STREET
RICHMOND, VIRGINIA 23219 2000

Charles A. Kilpatrick, P.E.
Commissioner

October 24, 2014

MEMORANDUM

To: All Holders of the Virginia Department of Transportation's 2008 Road and Bridge Standards

The following is a revised standard to the 2008 Road and Bridge Standards that will *require* an interim standard sheet to be included in your plan assembly until the next edition of the standards is published. Please add this page to your copy of the standards. The respective interim standard sheet number has been placed with the revised standard. The interim standard sheet is available on VDOT's web site, on the FTP server, and in Falcon DMS for VDOT personnel. This interim standard sheet is effective for all projects October 24, 2014. This includes all projects currently under construction.

<u>PAGE</u>	<u>INTERIM</u>	<u>STANDARD</u>	<u>REVISION</u>
501.16	IIS05_22	GR-9	REVISED NOTE 1 TO DIRECT USERS OF THE GR-9 STANDARD TO THE APPROVED PRODUCTS LIST FOR NCHRP 350/ MASH TERMINALS

If you have any questions or comments regarding this revision, please contact Charles Patterson, P.E., at (804) 786-1805, of the Standards and Special Design Section.

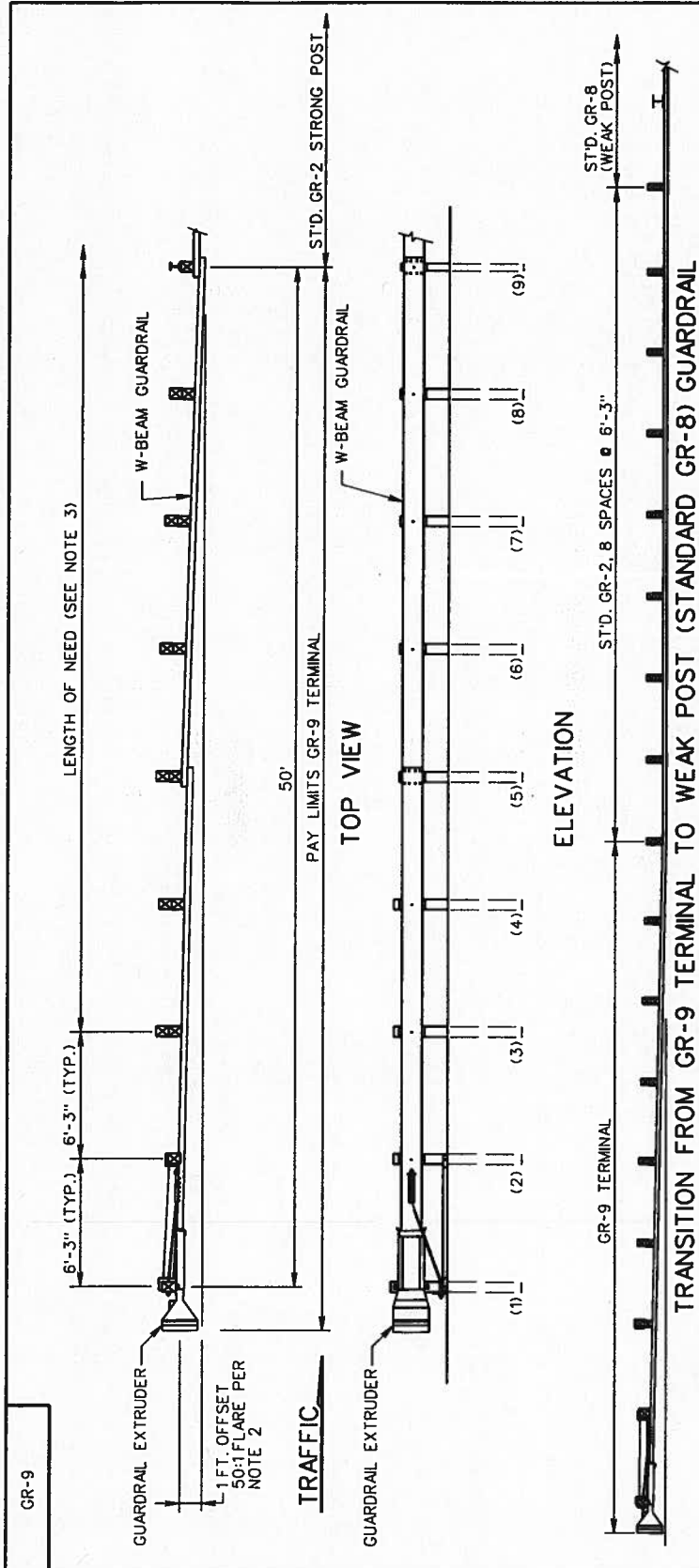
Sincerely,

Signature on file

Date:

10/24/14

B. A. Thrasher, P.E.
State Location & Design Engineer



NOTES:

1. ALTERNATE BREAKAWAY CABLE TERMINAL (GR-9) SHALL BE A VDOT APPROVED PRODUCT MEETING NCHRP 350 OR MASH TESTING CRITERIA. ANY TERMINAL USED FOR THE GR-9 SHALL BE FROM THE VDOT APPROVED PRODUCTS LIST. STANDARD MB-3 TERMINAL OPTIONS ARE INCLUDED WITH THE GR-9 TERMINALS ON THE APPROVED PRODUCTS LIST.
2. ALL TERMINALS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THE FOLLOWING VDOT REQUIREMENTS:
 - A. ALL STANDARD GR-9 TERMINALS (SIMILAR TO AS SHOWN ABOVE) SHALL BE INSTALLED WITH A 1 FT. OFFSET ACCOMPLISHED WITH A 50:1 FLARE TO PREVENT THE GUARDRAIL EXTRUDER FROM ENCRoACHING ON THE SHOULDER FOR SR WORK WHERE RIGHT OF WAY IS LIMITED, THE OFFSET CAN BE DECREASED AS DIRECTED BY THE ENGINEER.
 - B. DIRECTION OF THE REFLECTIVE TAPE ON THE EXTRUDER SHALL CONFORM TO MUTCD APPLICATION FOR DIAGONAL STRIPES ON OBJECT MARKERS AND BRIDGE END PANELS. COLOR OF TAPE SHALL BE AMBER (YELLOW).
 - C. DO NOT CHANGE THE LAPPING OF TERMINAL FOR ANY INSTALLATIONS. INSTALL AS SHOWN ABOVE REGARDLESS OF ADJACENT TRAFFIC DIRECTION.
 - D. HEIGHT MEASURED AT TOP OF W-BEAM IS 27 3/4" MIN. - 28 3/4" MAX.
3. IF THE CALCULATED LENGTH OF NEED CANNOT BE MET FOR THE SITES OF RETROFIT, MAINTENANCE, OR UPGRADE OF TERMINALS, PROVIDE AS MUCH DISTANCE AS POSSIBLE TO THE HAZARD.
4. THIS DRAWING IS REPRESENTATIONAL ONLY. DETAILS, DIMENSIONS, QUANTITIES, AND OTHER INFORMATION NOT SHOWN WILL VARY FOR EACH MANUFACTURER. SEE INDIVIDUAL MANUFACTURER'S PLANS FOR THIS INFORMATION.

<p>VDOT ROAD AND BRIDGE STANDARDS</p>		<p>A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE. ALTERNATE BREAKAWAY CABLE TERMINAL NO FLARE</p>	<p>SPECIFICATION REFERENCE 505</p>
<p>SHEET 1 OF 2</p>	<p>REVISION DATE 10/14</p>		
<p>501.16</p>			
		<p>VIRGINIA DEPARTMENT OF TRANSPORTATION</p>	