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ERRATA for ***Technical Manual for Design and Construction*** ***of Road Tunnels—Civil Elements, 2010 Edition***

April 2014

Dear Customer:

Recently, we were made aware of some technical revisions that need to be applied to the *Technical Manual for Design and Construction of Road Tunnels—Civil Elements*, 2010 edition.

The full errata can be downloaded from AASHTO's online bookstore at:

<http://downloads.transportation.org/DCRT-1-Errata.pdf>

AASHTO staff sincerely apologizes for any inconvenience to our readers.

Summary of Errata Changes for DCRT-1, April 2014

Page	Existing Text	Corrected Text
<i>Chapter 6</i>		
6-13	Table 6.3.6-1 header in Column 1 reads: Rock Mass Deformation Modulus (MPa)	Revise text to read: Rock Mass Deformation Modulus (<u>GPa, unless otherwise noted</u>)
6-13	Table 6.3.6-1 ** table note reads: ** D is a factor that depends upon the degree of disturbance due to blast damage and stress relaxation. It varies from 0 for undisturbed in situ rock masses to 1 for very disturbed rock masses. Guidelines for the selection of D are presented in Table 6.3.6-2.	Insert new sentence to read: ** D is a factor that depends upon the degree of disturbance due to blast damage and stress relaxation. It varies from 0 for undisturbed in situ rock masses to 1 for very disturbed rock masses. Guidelines for the selection of D are presented in Table 6.3.6-2. <u>The equation calculates E_m in MPa, instead of GPa.</u>
6-13	The equation on the second row in Table 6.3.6-1 reads: $E_m = 15 \log_{10} Q$	Revise equation to read: $E_m = 25 \log_{10} Q$
6-13	The equation on the third row in Table 6.3.6-1 reads: $E_m = \sqrt{\frac{\sigma_{ci}}{100} \times 10^{\frac{GSI-10}{40}}}$	Revise equation to read: $E_m = \sqrt{\frac{\sigma_{ci}}{100}} \times 10^{\frac{GSI-10}{40}}$
6-13	The equation on the fourth row in Table 6.3.6-1 reads: $E_m = 100000 \left[\frac{1 - D / 2}{1 + e^{((75+25D-GSI)/11)}} \right]^{**}$	Revise equation to read: $E_m = 100000 \left[\frac{1 - D / 2}{1 + e^{((75+25D-GSI)/11)}} \right]^{**} \text{ (MPa)}$