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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

DESIGN DIVISION

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HOWARD H. ELEY COMMISSIONER BILL LEE GOVERNOR

INSTRUCTIONAL BULLETIN NO. 22-14

Regarding Updates to Chapter 7 of the Roadway Design Guidelines

Effective with the December 9, 2022 letting (September 28th turn in), Chapter 7 of the Roadway Design Guidelines has been updated to fix an error for the item number for Brooming and Degrassing as well as remove a note instructing designers to multiply the amount of water needed in urban areas by 6. Section 104.08 of the 2021 TDOT Specifications for Road and Bridge Construction states payment for dust control is incidental to applicable Contract items; therefore, modification of the water quantity in urban areas is no longer needed.

The revised section is shown below:

7-203.05 COMPUTATIONS FOR ITEM NO. 203-06 WATER

Water will be measured by the thousand gallons (M.G.). Embankment:

Earth embankment (C.Y.) × 2.525 Gal/C.Y. 1000 Gal/M.G.

Base material and granular backfill:

Compacted volume (C.Y.) × 15.150 Gal/C.Y. =M.G.

Foundation preparation (Item No. 204-10.01 through 204-10.25):

Width of subgrade (Ft) x 0.5 Ft × Length of project (ft) × 4 Gal/C.Y. =M.G. 27 C.F./C.Y. × 1000 Gal/M.G.

Subgrade treatment (hydrated lime) (Item No. 302-01.01):

Subgrade treatment volume (C.Y.) × 40.400 Gal/C.Y. 1000 Gal/M.G.

Soil-cement base (Item No. 304-01.02):

Volume of base (C.Y.) × 15.150 Gal/C.Y. 1000 Gal/M.G. IB 22-14 Page 2

Aggregate-cement base (Item Nos. 309-01.01 and 309-01.02):

Lime fly-ash base (Item Nos. 312-01, 312-02, and 312-03):

7-208.00 SHOULDERS AND DITCHES

Item Number	Description	Unit of Measureme nt	Comment
208-01	Shoulders and Ditches	L.M.	
208-01.05	Brooming and Degrassing Shoulders	L.M.	See RDG Chapter 9- 135.02, Notes 5 and 6

Chapter 7:

https://www.tn.gov/content/dam/tn/tdot/roadway-design/documents/design_guidelines/DG-C7.pdf

KJL:LHC:WKA September 12, 2022 Civil Engineering Director Roadway Design Division