Illinois Department of Transportation

Memorandum

То:	ALL BRIDGE DESIGNERS	19.2
From:	D. Carl Puzey Membrane Waterproofing System for Buried Struct	
Subject:	Membrane Waterproofing System for Buried Struc	tures
Date:	March 5, 2019	

To adequately waterproof a buried structure, IDOT requires a self-adhering membrane sheet with film, a geocomposite drainage sheet (i.e. geocomposite wall drain), and ancillary materials to attach these components. Previous versions of the Membrane Waterproofing System for Buried Structures Guide Bridge Special Provision (GBSP 81) contained Physical Property tables for these components, which were not consistent with products known to be effective in the field. Moreover, the geocomposite wall drain was a hidden cost not obvious to designers and contractors.

In order to simplify testing requirements and make pay items more consistent with those used on bridges, the pay item Membrane Waterproofing System for Buried Structures is being split into two pay items: Membrane Waterproofing System for Buried Structures and Geocomposite Wall Drain. The Guide Bridge Special Provision has been updated to simplify the Physical Property table for the membrane sheet and remove the references to the geocomposite drainage sheet. The Geocomposite Wall Drain specifications are found in Section 591 of the Standard Specifications.

The attached figures show revised pay limits, with the Geocomposite Wall Drain and Membrane Waterproofing for Buried Structures shown as separate pay items.

The details specified in this memorandum shall be effective for projects beginning with the April 26, 2019 letting. The Bureau of Bridges and Structures will coordinate with design consultants and district offices to make necessary revisions.

Please direct questions to Mark Shaffer in the Policies, Standards, and Specifications Unit at (217) 785-2914.

Attachments

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