



Illinois Department of Transportation

Memorandum

To: ALL BRIDGE DESIGNERS
From: D. Carl Puzey *D. Carl Puzey* 1.1
Subject: Discontinued Use of Wave Equation Analysis of Piles
Date: March 3, 2011

Previously the Department has asked designers to include Guide Bridge Special Provision (GBSP) # 66 (Wave Equation Analysis of Piles) on piling projects with nominal bearing values exceeding 600 kips. This requirement was intended to address concerns AASHTO noted over the accuracy of the Gates driving formula above this level. However, since the Department has changed to the WSDOT formula this requirement is no longer necessary for the maximum nominal pile bearing values specified in the Bridge Manual. Thus, please discontinue placing Bridge Manual note # 24 and GBSP # 66 in the contract plans and specifications.

These changes should be considered effective immediately. If you have any questions, please contact William Kramer of the Foundations & Geotechnical Unit by telephone at (217) 782-7773 or by e-mail at William.Kramer@illinois.gov for further assistance.

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