

Memorandum

*Serious drought.
Help Save Water!*

To: DES DEPUTIES
Division of Engineering Services

Date: June 24, 2014

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From: BARTON NEWTON
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for

Subject: UPDATE OF MEMO TO DESIGNERS (MTD) 3-1 "DEEP FOUNDATIONS"

Effective immediately, Memo to Designers (MTD) 3-1 "Deep Foundation" is approved for use. This MTD provides guidance for design of bridge deep foundations using the *AASHTO LRFD Bridge Design Specifications*, 6th Edition, and corresponding California Amendments (*AASHTO-CA BDS-6*).

The revised memo accommodates design of abutments using LRFD methodology. The software for the design of abutments in LRFD, CTABUT, is available internally and will soon be available for purchase externally.

The revised memo includes a detailed design procedure and revised tables for communications between Structure and Geotechnical Designers during the foundation design process. Its usage should lead to a more efficient design process.

MTD 3-1 shall be used for projects designed according to *AASHTO-CA BDS-6*, and may be helpful to projects in progress and designed based on *AASHTO LRFD Bridge Design Specifications*, 4th Edition. The documents have been posted on the publications website (<http://www.dot.ca.gov/hq/esc/techpubs/>).

For questions or concerns, you may contact Technical Committee Chair/Specialist Amir Malek at (916) 227-5981.

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