

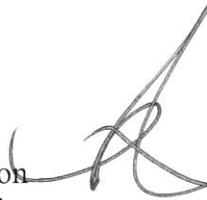
Memorandum

*Serious drought.
Help save water!*

To: DES DEPUTIES
Division of Engineering Services
RAY ZHANG
Division of Local Assistance

Date: June 3, 2014

From: BARTON NEWTON
Deputy Division Chief
Structure Policy and Innovation
Division of Engineering Services



Subject: **UPDATE OF *Memo to Designers (MTDs) 4-1 Spread Footings***

Effective immediately, Memo to Designers (MTD) 4-1 "Spread Footings" is approved for use. This MTD provides guidance for design of bridge shallow 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 design of abutments in LRFD, CTABUT, was made available internally and will soon be available for purchase externally.

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

Use of MTD 4-1 may be helpful to projects based on *AASHTO-CA BDS-4*.

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

CC: Bob Pieplow, Chief, Division of Engineering Services
Tim Craggs, Chief, Division of Design
Dolores Valls, Assistant Division Chief, Division of Maintenance
Susan Hida – Office Chief, State Bridge Engineer Support