

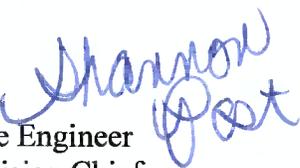
## Memorandum

*Serious drought.  
Help Save Water!*

To: DES DIVISION CHIEF  
DES DEPUTIES

Date: July 3, 2015

File:

From: SHANNON POST   
Acting State Bridge Engineer  
Acting Deputy Division Chief  
Structure Policy and Innovation  
Division of Engineering Services

Subject: PUBLICATION OF THE *BRIDGE DESIGN PRACTICE*, FOURTH EDITION

We are pleased to announce the publication of *Bridge Design Practice (BDP)*, *Fourth Edition*, dated February 2015. The *BDP* has a rich heritage dating back to its first publication as a hardbound book in 1960. The Fourth Edition consists of three volumes that cover the major areas in bridge and highway structure design, and is available online at <http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-design-practice/bdp.html>.

The Fourth Edition is a collaborative product of the Division of Engineering Services' technical organization. Many people dedicated their time and talents to this effort, which will benefit the California Department of Transportation and its partners for years to come. The bridge engineering community gratefully acknowledges the following:

### ***VOLUME I: FUNDAMENTALS AND SUPERSTRUCTURE DESIGN***

*Chapter 1 – Bridge Design Specifications*, Lian Duan.

*Chapter 2 – Bridge Architecture and Aesthetics*, Javier Chavez, Bob Travis & Vanessa Gehringer.

*Chapter 3 – Loads and Load Combinations*, Marc Friedheim & Kammy Bhala.

*Chapter 4 – Structural Modeling and Analysis*, Mina Pezeshpour, Lian Duan & Paul Chung.

*Chapter 5 – Concrete Design Theory*, Jinrong Wang.

*Chapter 6 – Steel Design Theory*, Lian Duan.

*Chapter 7 – Post-Tensioned Concrete Girders*, Bartt Gunter, Gabriel Galo, Edward Mercado & Daryoush Balbas.

*Chapter 8 – Precast Pretensioned Concrete Girders*, Say-Gunn Low, Eric Matsumoto, Bartt Gunter & Jim Ma.

*Chapter 9 – Steel Plate Girders*, Lian Duan, Yusuf Saleh & Yong-Pil Kim.

*Chapter 10 – Concrete Decks*, Newton Armstrong & Lian Duan.

***VOLUME II: SUBSTRUCTURE DESIGN***

*Chapter 12 – Concrete Bent Caps*, Don Nguyen-Tan, Krishnakant Andurlekar & Ahmed Ibrahim.

*Chapter 13 – Concrete Columns*, Ashraf Ahmed.

*Chapter 15 – Shallow Foundations*, Amir Malek, Hernan Perez, Mohammed Islam & Jinxing Zha.

*Chapter 16 – Deep Foundations*, Amir Malek, Sam Ataya, Ryan Stiltz, Mohey El-Mously & Mark Mahan.

***VOLUME III: SEISMIC DESIGN***

*Chapter 21 – Seismic Design of Concrete Bridges*, Christian Unanwa, Mark Mahan, Surjit Dhillon, Tariq Masroor & Jay Quiogue.

A special thank you to *BDP* Editor, Lian Duan, and *BDP* Manager, Roberto Lacalle. Their diligence and steadfast efforts have been crucial to the success of this publication.

c: Tim Craggs, Chief, Division of Design  
Ray Zhang, Chief, Division of Local Assistance  
Dolores Valls, State Bridge Maintenance Engineer, Assistant Division Chief,  
Structures Maintenance & Investigations  
DES Managers & Supervisors  
Roberto Lacalle, *BDP* Manager, Chief, Office of Structure Quality Management  
Lian Duan, *BDP* Editor, Senior Bridge Engineer, Office of State Bridge Engineer  
Support