

# Memorandum

*Making Conservation  
a California Way of Life*

To: STRUCTURE POLICY BOARD

Date: February 16, 2018

From: THOMAS A. OSTROM  
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T.A.O.

Subject: **NEW MEMO TO DESIGNERS (MTD) 16-1: HYDRAULIC DESIGN FOR STRUCTURES OVER WATERWAYS**

Effective immediately, MTD 16-1 “Hydraulic Design for Structures Over Waterways” and associated Attachment-1 “Roles and Responsibilities”, Attachment-2 “Hydraulic Reports”, and Attachment-3 “Glossary of Terminology for Hydraulics & Scour” supersedes MTD 1-23 dated October 2003.

MTD 16-1 provides direction for the hydraulic design of structures over waterways on the State Highway System (SHS). The intent is to assist the structure designer in understanding the recommendations provided in the Bridge Hydraulic Report.

MTD 16-1 includes general guidance previously found in the MTD 1-23 including roles and responsibilities, means of communication and requirements for hydraulic work requests, and a summary of the hydraulic information included in hydraulic reports.

MTD 16-1 and its attachments should be referenced for use on current projects in all phases pre-RTL.

If you have any questions or concerns, please contact the Hydraulic Engineering Committee (HEC) Manager David Neumann. For any inquiry regarding the interpretation of MTD 16-1, please contact Joel Magaña of the HEC.

c: Michael D. Keever – Chief, Division of Engineering Services  
Ray Zhang, Chief – Division of Local Assistance  
Janice Benton Chief – Division of Design  
Tony Tavares, Chief – Division of Maintenance  
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Mark DeSalvatore – Geotechnical Services  
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Chris Mooring – Manual Editor, Technical Publications