


## Memorandum

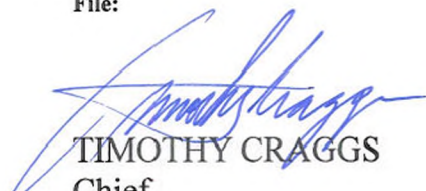
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**To:** DISTRICT DIRECTORS  
DEPUTY DISTRICT DIRECTORS  
DIVISION CHIEFS

**Date:** August 23, 2013

**File:**

**From:**   
DENNIS T. AGAR  
Chief  
Division of Traffic Operations

  
TIMOTHY CRAGGS  
Chief  
Division of Design

**Subject:** INTERSECTION CONTROL EVALUATION (ICE) AND DESIGN GUIDANCE

This memorandum adopts interim engineering policy, guidance and process updates, and establishes the ICE Technical Assistance Program to guide and support investment proposals and decisions affecting access to and from State highways, as described below:

- Traffic Operations Policy Directive (TOPD) #13-02 establishes a context and performance-based evaluation process to identify viable and practical access alternatives; produce engineering recommendations on intersection traffic control strategies and geometric configurations for location-specific needs and conditions.
- The TOPD supplements the California MUTCD warrant and engineering study requirements pertaining to the use of traffic signals and multi-way stop control, and adds yield control to the menu of intersection control options.
- Roundabout intersection proposals no longer require Conceptual Approval by the Headquarters Traffic Operations Liaison and Design Coordinator as specified in section 5.1 of Design Information Bulletin (DIB) 80-01 dated October 3, 2003. Step one of the ICE process will constitute Conceptual Approval. In addition, roundabout intersection proposals shall be planned, developed, and evaluated in accordance with the National Cooperative Highway Research Program (NCHRP) Report 672 entitled "Roundabouts: An Informational Guide, 2<sup>nd</sup> Edition," which superseded the Federal Highway Administration (FHWA) Roundabout Informational Guide published in 2000 and referenced in DIB 80-01. Roundabout proposals are still subject to headquarters approval of all non-conforming geometric and operational features as set forth in section 5.2 of DIB 80-01. A soon to be released Highway Design Manual update will supersede DIB 80-01.
- Single Point Interchanges no longer require the Conceptual Approval of the Headquarters Division Chiefs of Traffic Operation and Design as specified in the memorandum dated June 15, 2001. The screening criteria established in the ICE TOPD will constitute the Conceptual Approval. The Planning, Design, and Operations Guidelines provided in that memorandum are still in effect.

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The multi-functional ICE Technical Assistance Program will support the evaluation and design of complex and innovative access proposals, especially those involving non-conforming design and operational features. When required or desired, technical assistance may be arranged through the district ICE Coordinator or the responsible-charge engineer may contact the ICE Technical Assistance Program directly. For contact and additional information on the above resources, please visit the Intersection Control Evaluation TOPD website at <<http://onramp/hq/traffops/ICE.html>>.

The above listed updates are effective on August 30, 2013. Traffic Operations Policy Directive #13-02, implementation guidance, and related documents are available at the aforementioned website.

If you have any questions, please contact Jerry Champa, Traffic Engineering Liaison, Division of Traffic Operations, by phone at (916) 712-5881, Kevin Herritt, Chief, Office of Geometric Design Standards, Division of Design, by phone at (916) 653-0253, or your district ICE Coordinator.

c: Maiser Khaled, Director of National Programs, Federal Highway Administration, California  
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