

**BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS**

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**OFFICIAL NOTICE****BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND  
GEOLOGISTS****MEETING OF THE  
TRAFFIC ENGINEER TECHNICAL ADVISORY COMMITTEE****2535 Capitol Oaks Drive  
Third Floor Conference Room  
Sacramento, CA 95833**

A joint meeting of the Traffic Engineer Technical Advisory Committee of the Board for Professional Engineers, Land Surveyors, and Geologists is scheduled to be held on **Thursday October 29, 2015, , beginning at 10:00 A.M.** The meeting will be held at the address provided above in Sacramento, California.

The meeting is open, and the public is invited to attend. The meeting facilities are barrier-free in accordance with the Americans with Disabilities Act. A person who needs disability-related accommodations or modifications in order to participate in the meeting shall make a request by contacting Celina Calderone at (916) 263-2230 or email [celina.calderone@dca.ca.gov](mailto:celina.calderone@dca.ca.gov) or sending a written request to Ms. Calderone at the Board for Professional Engineers, Land Surveyors, and Geologists, 2535 Capitol Oaks Drive, Suite 300, Sacramento, California, 95833. Providing your request at least five (5) business days before the meeting will help to ensure availability of the requested accommodations.

Board Members are not members of the Technical Advisory Committees; however, Technical Advisory Committee meetings may be attended by Board Members

For further information regarding this meeting, please contact Celina Calderone at (916) 263-2230. Electronic copies of this Official Notice and Agenda are available at <http://www.bpelsg.ca.gov>.

**NOTE: All times indicated and the orders of business are approximate and subject to change.**

**MEETING OF THE  
TRAFFIC ENGINEER TECHNICAL ADVISORY COMMITTEE  
OF THE  
BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND  
GEOLOGISTS**

**2535 Capitol Oaks Drive  
Third Floor Conference Room  
Sacramento, CA 95833**

**Thursday October 29, 2015, at 10:00 A.M.**

**TRAFFIC ENGINEER TECHNICAL ADVISORY COMMITTEE**

<b>Members:</b>	Mahmoud Khodr, PE; Maurice Palumbo, PE; Walter Okitsu, PE; Jason Pack, PE; and Troy Arseneau, PE
<b>Board Liaisons:</b>	Dr. Mohammad Qureshi, PE; and Robert Stockton, PE
<b>Staff Liaisons:</b>	Susan Christ, PE

1. Roll Call
2. Public Comment
3. Discussion of **Traffic Engineering Technical Advisory Committee Workplan** and **Sections 6717, 6731, 6731.1** of the PROFESSIONAL ENGINEERS ACT (Business and Professions Code §§ 6700 – 6799); and **Section 404: (qq)** of the Board Rules and Regulations Relating to the Practices of Professional Engineering and Professional Land Surveying; California Code of Regulations, Title 16, Division 5, §§ 400-476
4. Other Business Not Requiring Committee Action
5. Adjourn

## **2015 WORKPLAN**

### **TECHNICAL ADVISORY COMMITTEE (TRAFFIC ENGINEERING)**

#### **Introduction**

The Traffic Technical Advisory Committee recognizes its position as an advisory committee to the Board, providing input to the liaison Board members on matters requested by the Board for Professional Engineers, Land Surveyors and Geologists. This input may take the form of assistance to Board staff, direct assistance to the two liaison Board members or recommendations made directly to the Board in the form of motions or recommendations.

#### **Work plan**

1. To identify and delineate any overlapping work performed by both civil and traffic engineers.
2. To identify solutions to how the overlapping civil and traffic work experience can be applied to the review of applications for licensing of civil engineers.

# **PROFESSIONAL ENGINEERS ACT**

(Business and Professions Code §§ 6700 – 6799)

Sections 6717, 6731, 6731.1

And

## **Board Rules and Regulations**

Relating to the Practices of Professional Engineering and Professional Land Surveying  
California Code of Regulations, Title 16, Division 5, §§ 400-476

Section 404: (qq)

### **6717. Authority to define scope of practice**

The board may, by regulation, define the scope of each branch of professional engineering other than civil, electrical, and mechanical engineering for which registration is provided under this chapter.

### **6731. Civil engineering defined**

Civil engineering embraces the following studies or activities in connection with fixed works for irrigation, drainage, waterpower, water supply, flood control, inland waterways, harbors, municipal improvements, railroads, highways, tunnels, airports and airways, purification of water, sewerage, refuse disposal, foundations, grading, framed and homogeneous structures, buildings, or bridges:

- (a) The economics of, the use and design of, materials of construction and the determination of their physical qualities.
- (b) The supervision of the construction of engineering structures.
- (c) The investigation of the laws, phenomena and forces of nature.
- (d) Appraisals or valuations.
- (e) The preparation or submission of designs, plans and specifications and engineering reports.
- (f) Coordination of the work of professional, technical, or special consultants.
- (g) Creation, preparation, or modification of electronic or computerized data in the performance of the activities described in subdivisions (a) through (f).

Civil engineering also includes city and regional planning insofar as any of the above features are concerned therein.

Civil engineers registered prior to January 1, 1982, shall be authorized to practice all land surveying as defined in Chapter 15 (commencing with Section 8700) of Division 3.

[NOTE: The last registration number issued to a civil engineer registered before January 1, 1982 was 33,965.]

### **6731.1. Civil engineering; additional authority**

Civil engineering also includes the practice or offer to practice, either in a public or private capacity, all of the following:

- (a) Locates, relocates, establishes, reestablishes, or retraces the alignment or elevation for any of the fixed works embraced within the practice of civil engineering, as described in Section 6731.

(b) Determines the configuration or contour of the earth's surface or the position of fixed objects above, on, or below the surface of earth by applying the principles of trigonometry or photogrammetry.

(c) Creates, prepares, or modifies electronic or computerized data in the performance of the activities described in subdivisions (a) and (b).

(d) Renders a statement regarding the accuracy of maps or measured survey data pursuant to subdivisions (a), (b), and (c).

#### **404. Definitions.**

For the purpose of the rules and regulations contained in this chapter, the following terms are defined. No definition contained herein authorizes the practice of engineering as defined in the Professional Engineers Act.

**(qq) "Traffic engineering"** is that branch of professional engineering which requires such education and experience as is necessary to understand the science of measuring traffic and travel and the human factors relating to traffic generation and flow; and requires the ability to apply this knowledge to planning, operating, and evaluating streets and highways and their networks, abutting lands and interrelationships with other modes of travel, to provide safe and efficient movement of people and goods. The above definition of traffic engineering shall not be construed to permit the practice of civil, electrical, or mechanical engineering.