



ASCE MLAB & LA YMF Presents:

San Francisco-Oakland Bay Bridge Project

TECHNICAL PRESENTATION

**TUESDAY
JANUARY 31, 2012**

**5:30 - 8:00 PM
Cost: FREE**

Location:
Caltrans District 7
100 S. Main St.
Los Angeles, CA
90012

Conference Room
01.040 A&B
(on the first floor)

Refreshments will be
served from
5:30 - 6:00 PM

RSVP online at
www.mlab-ymf.org
or via email to

Jinny.c.huang@mwhglobal.com

Presenters by:



The Self-Anchored Suspension Bridge Segment of the San Francisco-Oakland Bay Bridge (SFOBB) East Spans of the Seismic Safety Project continues to advance their work of steel erection in Oakland as they have received all major fabricated steel components from China. **Dr. Brian Maroney** and **Karen Wang** will present the uniqueness of this bridge with the design elements and the complex nature of the construction and steel fabrication involved. They will discuss how quality is driven as a main element throughout the entire steel fabrication and erection process. This will be further demonstrated by Smith-Emery Company Lead Inspector, **Leonard Cross**, who will discuss and show the technology currently used on the bridge during weld inspections. They will also present the current status of the project as they strive towards a bridge opening of 2013. For more information related to the Bay Bridge, visit <http://baybridgeinfo.org/>.



Dr. Brian Maroney is a Civil PE with over 25 years experience in Bridge Design, Earthquake Engineering, Construction and Project Management. He is employed by Caltrans and currently the Principal Bridge Engineer & Deputy Toll Bridge PM overseeing all aspects of the design for the Toll Bridge Program.

Karen Wang is a Civil PE with over 10 years at HNTB, and a member of HNTB's Program Management Team on the East Span of the SFOBB Project. She is currently working on the Self-Anchored Suspension Bridge involving management of all issues related to the orthotropic box girders, and is bringing together an expert seismic safety peer review panel and expert welding panel and leading them through an oversight process of the steel fabrication completed in China.

Leonard Cross is the Lead Inspector for Smith-Emery Company, a sub to American Bridge/Fluor JV on the Bay Bridge Project. Smith-Emery Company performs the inspection and testing for structural steel of the SFOBB SAS project. He will present a demonstration on two types of non-destructive testing performed on welds similar to those placed on the SAS steel structure. These include Magnetic Particle Testing and Ultrasonic Testing.