



U.S. Department  
of Transportation  
**Federal Highway  
Administration**

The California Department of Transportation (Caltrans) – San Francisco Bay Region has embarked on a major pavement rehabilitation project using a combination of jointed precast prestressed concrete pavement (JPPCP) and precast prestressed concrete pavement (PPCP) to replace sections of an existing jointed concrete pavement (I-680 near Oakland) in need of rehabilitation. This project features a number of differences from previous precast pavement projects including the use of two-way pretensioning (longitudinal and transverse directions), elimination of stressing pockets, reduction of the number of post-tensioning ducts, and utilization of longer panels ranging from 18-36 feet in length. The project is currently in construction and will near completion this summer.

You are invited to attend an Open House introducing California's latest approach to precast concrete pavements. Registration is limited to the first 60 responses.

For additional project details, please contact Tinu Mishra  
tinu\_mishra@dot.ca.gov

# Caltrans Precast Concrete Pavement Open House

Caltrans, District 4 – San Francisco Bay Region

Date: June 15 2011

Activity:

8:00 am -12:30 pm- Visit to steel strand & precast facility (for highway agency personnel, academia, and consultants)

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1 – 5:30 pm – Workshop (see agenda for details)

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8:30 pm - Site visit (I-680 work site)

Place:

Hilton – Pleasanton at the Club  
7050 Johnson Drive  
Pleasanton, CA 94588  
(925) 463-8000  
Event Code: FUGRO or FUG

Organized by:

Caltrans and  
FHWA (Office of Pavement  
Technology and Highways for LIFE  
Program Office)

Co-sponsored by:

Strategic Highway Research  
Program 2 (SHRP2)  
Precast/Prestressed Concrete  
Institute (PCI)

To register for this event,  
contact:

Cari Jefferson  
Fugro Consultants, Inc.  
cjefferson@fugro.com  
(410) 997-9020



# **Caltrans/FHWA Precast Concrete Pavement Showcase**

**Project: I-680, District 4 – San Francisco Bay Region  
Precast Prestressed Concrete Pavement (PPCP) and  
Jointed Precast Prestressed Concrete Pavement (JPPCP)**

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## **Hilton-Pleasanton at the Club**

**7050 Johnson Drive, Pleasanton, CA 94588 - (925) 463-8000  
Event code for room reservation: FUGRO or FUG**

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**June 15, 2011 - 8:00 am to 12:30 pm**

### **STEEL STRAND MANUFACTURER TOUR/PRECAST PLANT TOUR**

**Bus departs Hilton at 8:00 am and returns at 12:30 pm**

**Note: Tour is for government agency personnel, academia, and consultants**

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**June 15, 2011 – 1:00 to 5:30 pm**

### **WORKSHOP**

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|-----------------------|---|
| <b>1:00 – 1:15 pm</b> | <b>Welcome and Self-Introductions</b> <ul style="list-style-type: none"><li>• <b>Tinu Mishra, P.E., Caltrans / District 4-District Materials Engineer</b></li><li>• <b>Bijan Sartipi, P.E., D-4 District Director</b></li><li>• <b>Steve Healow, FHWA Division Office, Sacramento</b></li><li>• <b>Sam Tyson, P.E., FHWA Office of Pavement Technology</b></li><li>• <b>Mary Huie, FHWA Highways for LIFE</b></li></ul> |
| <b>1:15 – 1:30 pm</b> | <b>Caltrans Perspective</b> <ul style="list-style-type: none"><li>• <b>Rick Land, P.E., Caltrans Chief Engineer</b></li></ul>   |
| <b>1:30 – 2:00 pm</b> | <b>Precast/Prestressed Concrete Pavement</b> <ul style="list-style-type: none"><li>• <b>FHWA Demonstrations – David Merritt, P.E., The Transtec Group</b></li><li>• <b>Guidance Documents – William Nickas, P.E., Transportation Director, Precast/Prestressed Concrete Institute</b></li></ul>   |
| <b>2:00 – 2:30 pm</b> | <b>National Overview &amp; SHRP2 Precast Concrete Pavement Products</b> <ul style="list-style-type: none"><li>• <b>Shiraz Tayabji, P.E., Fugro Consultants, Inc.</b></li></ul>  |
| <b>2:30 – 3:00 pm</b> | <b>I-680 Project Overview</b> <ul style="list-style-type: none"><li>• <b>Tinu Mishra, P.E., Caltrans</b></li></ul>  |
| <b>3:00 – 3:30 pm</b> | <b>Caltrans METS Perspective (QC/QA Challenges)</b> <ul style="list-style-type: none"><li>• <b>Bobby Petska, P.E., Caltrans / Sacramento</b></li></ul>  |
| <b>3:30 – 3:45 pm</b> | <b>BREAK</b>  |

- 3:45 – 5:15 pm I-680 Project Details
- General Contractor (Bay Cities Paving and Grading) (20 minutes)
  - LCB Subcontractor (Vanguard Construction) (10 min.)
  - Post-Tensioning and Grouting – Schwager-Davis (10 min.)
  - Precast Supplier – Con-Fab (20 min.)
  - Lessons Learned – Q & A - Tinu Mishra, P.E., Caltrans (30 min)
- 5:15 – 5:30 pm Site Safety Requirements (Class 3 vest/hardhats/safety shoes)
- Tinu Mishra & Kevin Barker (Bay Cities Paving and Grading)
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June 15, 2011 – 8:30 pm to 2:00 am (next day)

### PROJECT VISIT – I-680

Bus boards at the Hilton at 8:45 pm; returns to hotel at 2:00 am

(All attendees will be required to fill out a Liability Waiver form before boarding the bus for the site visit. Also, all attendees must wear a Class 3 safety vest, safety shoes, and a safety hard hat for the site visit.)

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### NOTES

1. Pre-registration is required to attend any Open House activity.
  2. Attendance to the Open House activities will be limited to the first 60 registrants due to site visit limitations.
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### CONTACTS

For project information, contact:

Tinu Mishra, Caltrans, [tinu\\_mishra@dot.ca.gov](mailto:tinu_mishra@dot.ca.gov)

For Open House registration, contact:

Cari Jefferson, Fugro Consultants, [cjefferson@fugro.com](mailto:cjefferson@fugro.com); (410) 997-9020