

# Falsework Update

Caltrans-Industry Falsework  
Advisory Team

- Falsework removal specification
- Bridge removal – Engineer of Record requirements
- Fire and form release agents
- Wind loads

## Falsework Removal Specification

**Add the following after the 14<sup>th</sup> paragraph of section 48-2.03D:**

Falsework at or over roadways with a vertical traffic opening less than 20' will be removed:

- Within 60 days of the structure being self-supporting.
- Within 7 days after the falsework has been released.

## Bridge Removal

Engineer of Record present during bridge removal

Develop criteria to allow substitution

- Safety
- Ensure plan is followed
- Provisions for modifications
- Engaged and understand their role

## Form release agents

- Three fires over the last three years
- Burnt falsework
- Major freeway closure
- Petroleum based – flash points - 120°F to 284°F
- Plywood may ignite - 500°F to 900°F
- Prevention:
  - Minimum flash point of 275°F or water based
  - Flame cutting on/near falsework will require a fire plan
    - Wetting and/or monitoring for 3 hours after

## Wind loads

- Reviewing our criteria
- Based on '70's era UBC
- Looking at IBC and ASCE 7-10, Minimum Design Loads for Buildings and Other Structures
- Protect the public