Continuously Reinforced Concrete Pavement

FHWA & CRSI Long-Life Concrete Pavement Workshop Series

California Department of Transportation – Fresno
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Long-Life Pavement

• International Conference on Long-Life Concrete Pavements – October 25-27, 2006, Rosemont, IL

• What is a Long-Life Pavement?
  • Original service 40+ years;
  • No premature construction defects or material-related distress;
  • Reduced potential for cracking, faulting & spalling;
  • Smoothness and surface texture easily maintained.
Benefits Derived from Long-Life Pavements

- Maintenance of Traffic
- Work Zone Safety
- Reduced User Delays
- Life-Cycle Cost
- Sustainability
  - Economic Impacts
  - Environmental Impacts
  - Social Impacts

State road officials are coming under fire from politicians and drivers from a disastrous road repair project on the 10 Freeway that jammed traffic west of Palm Springs for much of Sunday.

The Caltrans project backed up traffic for about 25 miles Sunday, forcing drivers to endure delays of five hours or more and sparking a furious political backlash that has put Caltrans on the defensive.

On Thursday, Caltrans offered its most detailed account yet of what went wrong, saying that a series of errors ranging from a delay in getting concrete shipments to removing too much worn pavement contributed to what they admit was a “horrible situation.”
Long-Life Options

- Options with Concrete –
  - Jointed Plain (Reinforced);
  - Continuously Reinforced;
  - Precast Jointed;
  - Precast Prestressed;
  - Bonded Overlays;
  - Unbonded Overlays;
  - Roller Compacted.
FHWA – CRSI

Cooperative Agreement

• Strategy for Technology Transfer –
  • Develop printed and electronic documents;
  • Maintain repository of CRCP guidance.

• Strategy for Implementation –
  • Deliver information to DOTs and others in the pavement community;
  • Assist DOTs with acceptance and modifications, as needed, to utilize CRCP guidance.
FHWA – CRSI Cooperative Agreement

- Workshop Series from January 2010 to present time;
- LA, OK, AZ, OR, CA, GA completed.
Long-Life CRCP

- Documentation of good long-term performance –
  - In the USA – Illinois; Texas; Virginia; and others.
  - International – Belgium; and The Netherlands.
Thank you for participating in this CRCP workshop.

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