

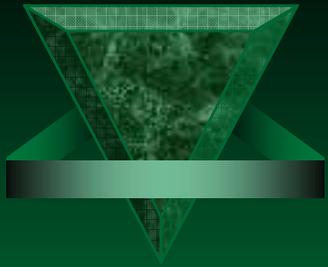


Pavement Preservation Task Group Innovation Sub-Task Group

Innovation Plan

PPTG 2005 Forum

April 19, 2005



The Team

- ✔ Innovation Task Group is a subcommittee of the Pavement Preservation Task Group
- ✔ This is a Joint effort between Caltrans and Industry
- ✔ Co-chairs: Scott Metcalf and Joe Holland



Vision Statement

- ✓ A streamlined process that allows Caltrans to evaluate and implement innovations quickly, safely and objectively



Current Processes

- ✓ No consistent strategy to implement new innovations:
 - CCO's (not a well designed experiment)
 - New Products Committee (perceived as a black hole)
 - PST (specification process is lengthy)
 - Innovations not well documented/tracked



Problems

External

- Current policy is not clearly understood
- Industry bias
- Legislative mandates (special interest groups)
- Lobbying Caltrans Management
- Cost / Low Bid / Cooperation
- Integrity (product may not work)



Problems

▼ Internal

- No incentives to take additional risk
- Change is hard
- Current policy is under staffed and not enforced
- No authority (SSP's, funding)
- Bureaucratic
- No urgency
- No thinking outside of the box (new test methods, etc.)
- Appropriate and timely training



Draft Innovation Process

- ✓ Pre-Proposal
- ✓ Proposal
 - Use other specifications (e.g., another DOT, etc.)
 - NSSP
- ✓ Construction
 - Testing before, during and after
- ✓ Final Report
 - Analysis of testing and recommendations
- ✓ Develop SSP



Draft Innovation Process

- ✓ Developing Process
(Roles/Responsibilities)
- ✓ Developing Flow Chart (Contacts)
- ✓ Solves the problem of the process not
being clearly understood



Pre-Proposal, Proposal and Final Report Format

- Defines what information we need to assess innovation
- Identifies problems and their remedies
- Each successive stage uses previous information (pre-proposal -> proposal)
- Solves the problem of no incentive to take additional risk



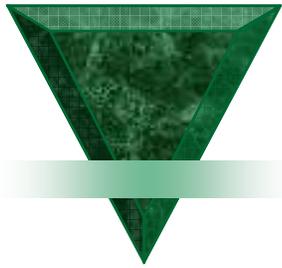
Examples of Innovations

- ✓ European Gap-Graded
 - No NSSP
 - To be constructed
- ✓ Rubberized Bounded Wearing Course
 - NSSP
 - In Construction
- ✓ Hot In-Place Recycled
 - NSSP
 - In Construction



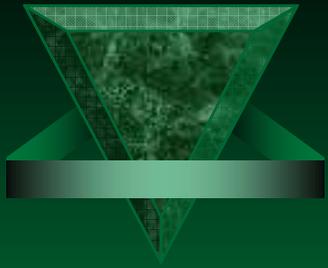
Status

- ✓ Finalizing Process
- ✓ Finalizing Formats
 - Pre-Proposal
 - Proposal
 - Final Report
- ✓ Establishing Coordination Functions
- ✓ Group Website
http://www.dot.ca.gov/research/maintenance/pavement_preservation/pavement_preservation.htm



Innovation Management System





Questions?