Recycling and Reclamation of Asphalt Pavements Using In-Place Methods
Introduction

- Synthesis for:
  - Hot In-Place (HIR)
  - Cold In-Place Recycling (CIR)
  - Full-Depth Reclamation (FDR)
**Key Issues**

- Project Selection
  - Pavement condition
  - Traffic
  - Geometric considerations
  - Environmental factors

- Different methods = different selection criteria?
Key Issues

- Preconstruction
  - In-place testing
    - Non-destructive
    - Destructive
  - Recyclability
    - Material issues
    - Consistency?
Key Issues

- Construction
  - Types of liquids and stabilizers
  - Mix design methods
  - Structural designs
  - Equipment and construction processing
  - QC/QA
  - Wearing courses
Key Issues

- Post-Construction
  - Performance characteristics
  - Measurements of characteristics
- Numbers
  - Costs
  - Crew
  - Equipment makes, models and age
  - In-service performance measurements
**Key Issues**

- Case studies
  - Examples of best practices
  - Examples of lessons learned
    - What doesn’t work
- Barriers to wider use
  - Engineering design
  - Lack of evidence that it works
  - Lack of experienced contractors
  - Tried it, didn’t work
  - Opposition from competing industries
Work Plan

- Literature review
  - National
  - International
- Agency survey
  - Required with 80% return
- Contractor survey
  - Balance
  - Identify
    - Missing information
    - Communication opportunities
- Detailed case studies
- Environmental benefits
Agency Survey

- NAS Survey program
- Need to be “invited”
Project Identification

- Location of projects for database
  - Google Map?
- CP2 Center web page
  - Ongoing research
Project Location

Address:
3333 California St
San Francisco, CA 94118

Make this my default location
Get directions: To here - From here Search nearby
Summary

- We need your help
  - Emails
  - Project identification
  - Nominations for case studies
  - Participation in NAS survey
    - Statistics need data