



Pavement
Recycling
and
Reclaiming
Center

CAL POLY
POMONA

Caltrans
ARRA

August 2010

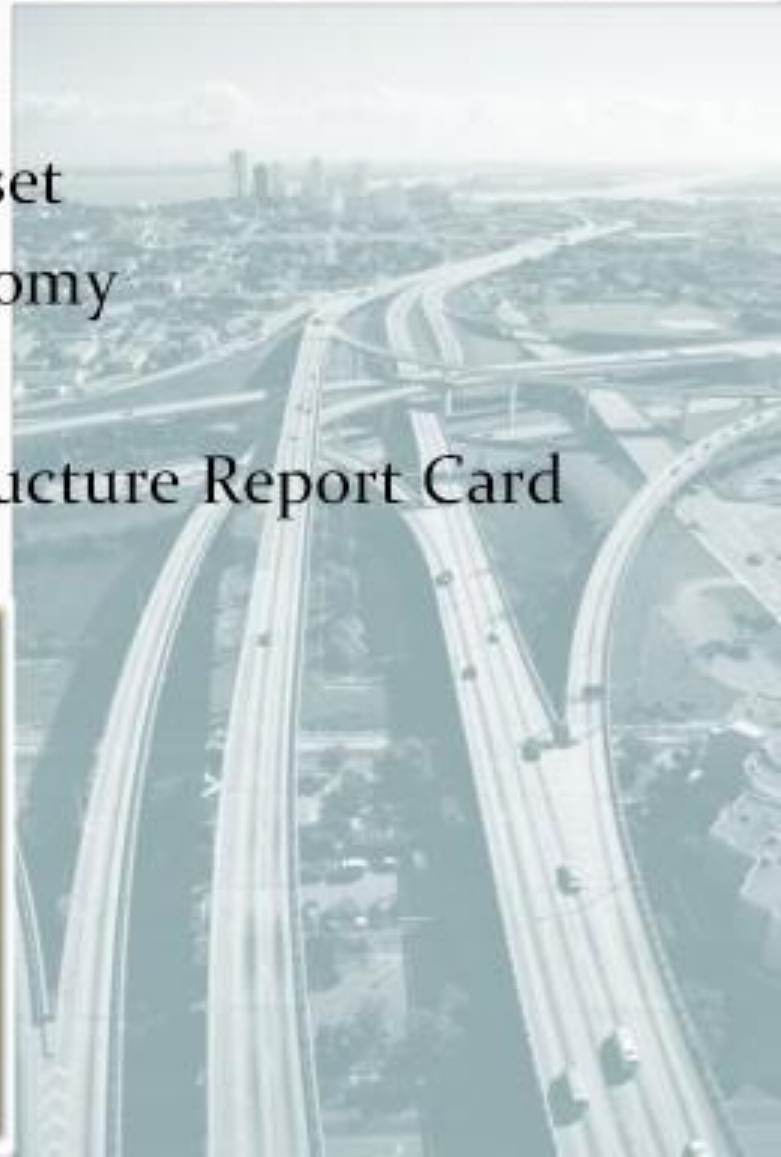
Pavements are:

- Agencies' largest investment/asset
- The backbone of a healthy economy
- Deteriorating as we speak
- **D-** on ASCE's America's Infrastructure Report Card
- Designed to fail...

REPORT CARD				
GRADING PERIOD	1	2	3	4
BRIDGE	A			
HAZARDOUS HIGHWAY	A			
ROADWAYS	C			
INTERSTATES	B			
STATE HIGHWAYS	B			
AVIATION	A			
SEAS	A			
WATER SUPPLY	A			
POWER	B			
TRANSPORTATION	D			
INFRASTRUCTURE	D			

Overall Grade: D

ASCE's America's Infrastructure Report Card
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Why recycle?

- Spend less on new materials and associated transport costs
- Reduce truck traffic, energy consumption and carbon footprint
- Reduce construction time and impact
- Address aggregate shortages and imbalance



Implementation Hurdles

- Areas needing improvement:
 - Education
 - Training
 - Experience
 - Research
 - Performance data
 - Performance prediction models
 - Technical assistance



Cooperation = Solution

PR²C



PARTNERSHIP
FOCUSED
CREDIBLE

Agencies



Industry

Academia



PR²C Goals

- Champion and facilitate the successful implementation of sustainable pavement recycling strategies by public agencies and others
- Act as a credible third party for state DOT's, local agencies and industry (one of the few centers involving both agencies and industry)
- Provide educational and technical resources on pavement recycling and reclaiming technologies
- Identify issues and seek improvements in the current state of the art and state of practice





PR²C Services

- Technical assistance/Help desk
- Online technical library
- Training and certification programs
- Specification review and development
- Evaluation and monitoring of pavement recycling and reclaiming projects performance
- Contracted applied research



Organization



PR²C Seed Funding



CAL POLY POMONA



Growth Plan

- Official opening – October 2010
 - Search for Executive Director
 - Extend partnership to other state DOT's, local agencies, academia and industry
 - Offer services at international level



PR²C



Cal Poly Pomona

- Established 1938
- 20,000+ students
- 3000+ faculty and staff
- 9 colleges
- Polytechnic = Learn by doing
- Top 10 public schools in the nation
 - Engineering
 - Diversity
- Largest Civil Engineering undergraduate program in the nation (1500+ students).



Contact us:

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