

Inter-state Partnerships:

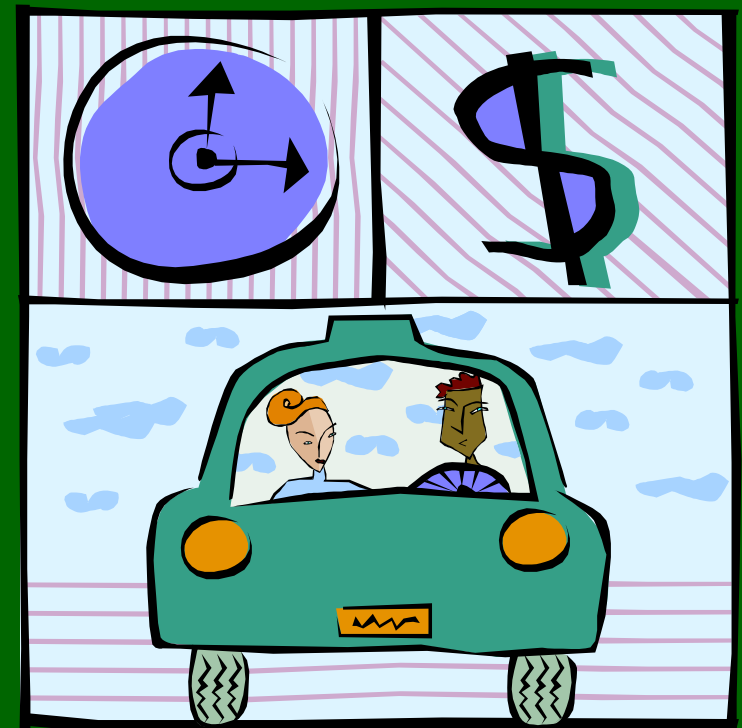
Lessons Learned

National Operations Agenda Regional Forum &
ITS Rock Mountain Annual Meeting
October 2001

Coco Briseño
California Department of Transportation
Division of New Technology and Research

Presentation Overview

- *COATS Partnership*
 - *Planning*
 - *Deployment*
- *Techniques*
 - *Project Management*
 - *Institutional*
 - *Technical*
- *Lessons Learned*
- *Remaining Challenges*



COATS: *Description*

- *Rural California Oregon Advanced Transportation Systems*
- *ITS planning, demonstration and evaluation effort*



Purpose

- *Identify transportation and information needs*
- *Determine ITS solutions*
 - *Beneficial*
 - *Cost-effective*
 - *Implementable*
- *Demonstrate and evaluate “early winner” projects*
- *Develop a Strategic Deployment Plan (SDP)*

How To Do It?

Partnership



Project Elements

- *Strategic Deployment Plan*
 - *Outreach*
 - *Regional vision vs. local projects*
 - *Regional Architecture*
 - *ITS strategies and infrastructure*
- *Early Winner Projects*
 - *Showcase ITS*
 - *Evaluate*
 - *Technology Transfer*



Plan of Action

COATS

**Project Management
Administration**

**Tiered
Organizational
Structure**

- **Planning**
- **Infrastructure Improvements (Demos)**
- **Evaluation**

Project Management

- *Getting Started*
 - *Flexible funding*
 - *Pre-scoping and consultative meetings with ALL regions*
 - *Selected academic partner - WTI/MSU*
 - *Interstate Agreement*
- *Business Plan*
 - *Clarify roles, responsibilities, and expectations*

Project Management

- *Flexible Internal and External Communication Plans*
 - *Co-Project Managers, but lead state*
 - *Regularly scheduled teleconference calls*
 - *Web Site*
 - *Newsletters*
 - *Monthly/Quarterly Reports*
 - *Outreach Workshops*



Partnership Management

- *Tiered Project Management Structure*
 - *Governing Board*
 - *Steering Committee*
 - *Regional Teams, Task Force*
 - *Coordinating Group*
- *Academic-led Research*
 - *WTI/MSU served as expert*
- *Multi-discipline internal “peer” groups*

Partnership Management

- *Funding*
 - *Flexible funding (SPR, Part I, Pooled Funds)*
 - *Travel reimbursement*
 - *California DOT District resources*
- *Technical Support*
 - *Local technical expertise, including software*
 - *Capability to remotely trouble shoot technical problems*
- *Retrospective Questionnaire*

Partnership Management

- *Multiple Tiers*
 - ✓ *Helped alleviate institutional and geographical barriers*
 - ✓ *Pre-meetings were beneficial*
 - *Didn't succeed in securing feedback and involvement from all tiers*
 - *Irregular attendance and participation*
 - 📁 *Provide travel and staff resources*
 - 📁 *Implement a more proactive approach to solicit active involvement*

Partnership Management

- *Retrospective Questionnaire*
 - ✓ *Strong / Dedicated Project Managers*
 - ✓ *Rotating Meetings*
 - *Didn't have "fall-out" plan for lack of resources*
 - *Quarterly Reports were not effective*

 *Market results*

Planning

- *Architecture*

- ✓ *Support for initial planning and architecture development*

- ✓ *Good local champions*

- *Low turn-out at architecture workshops*

- ✓ *Education and awareness to raise understanding of ITS BEFORE workshops*

- ✓ *Limit and target NEEDED participants*

Implementation

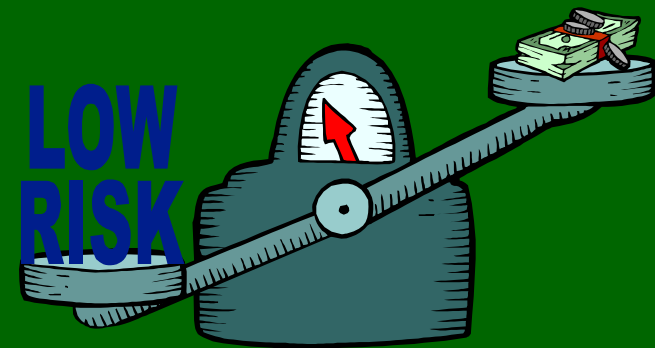
- *Infrastructure Improvements (Demos)*
 - ✓ *Made improvements vs. just planning*
 - ✓ *Developed rural TMCs (lower cost)*
 - ✓ *Improved safety and highway management*
 - ✓ *Prompted California acceptance of ATMS*
 - ✓ *Developed in-house expertise*
 - *Lack transit or non-highway improvements*
 - *Not necessarily inclusive process*
 - *Delays*

Implementation

- *Infrastructure Improvements (Demos)*
 - 📁 *Increase engagement of transit agencies and other non-highway stakeholders*
 - 📁 *Be more inclusive*
 - 📁 *Spread resources over longer term*

Remaining Challenges

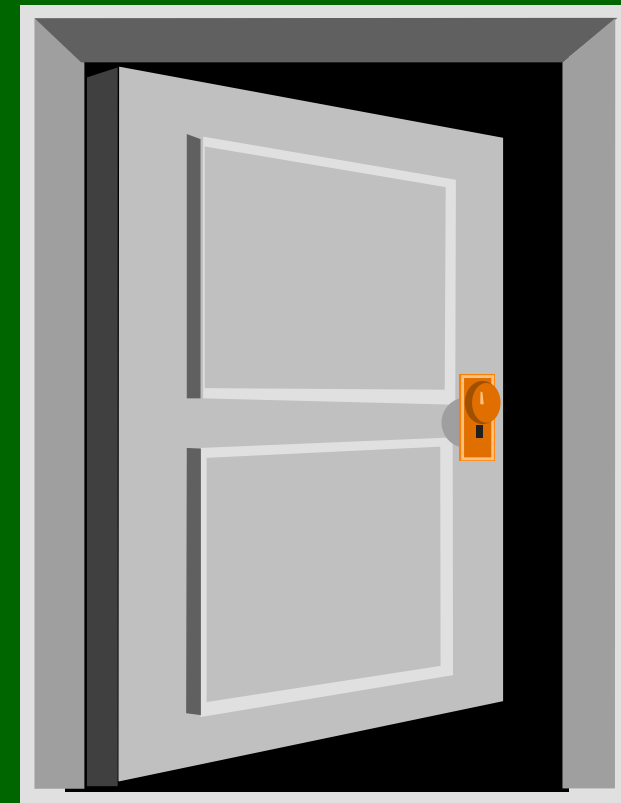
- *Provide updates on ITS developments*
- *Technical Assistance*
- *Transfer Architecture / ITS Mainstreaming*
- *Operational Agreements*
- *Pursue research opportunities*
- *Revisit organizational structure*



Challenges

Stay Tuned ... Transition

- *Research to implementation*
- *Answer tough questions*
- *Function under a lack of dedicated resources*



The End

Questions?



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