

# SACOG Intelligent Transportation System Strategic Deployment Plan

Project Wrap-Up  
October 13, 2005

INTELLIGENT  
TRANSPORTATION  
SYSTEMS STRATEGIC  
DEPLOYMENT PLAN

Prepared for  
Sacramento Area  
Council of Governments



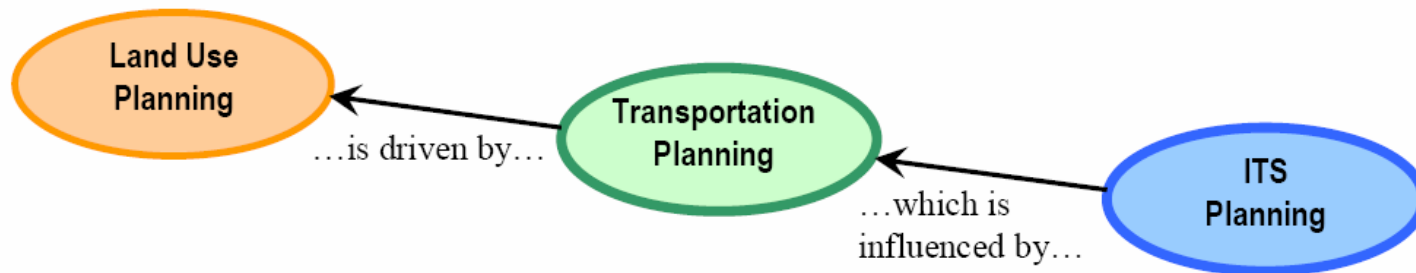
## Project Highlights

- n Project Recap
- n SDP Content Highlights
- n Deliverables
- n Application of SDP



## Project Recap

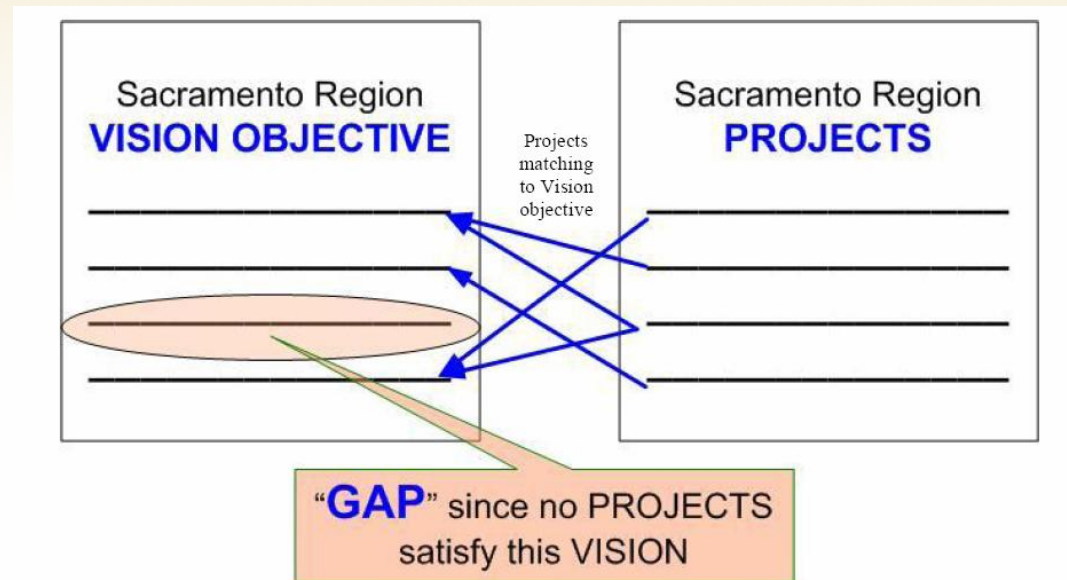
- n Objective was to integrate with land use and transportation planning
- n Create prioritized project list
- n Develop ITS Architecture
- n “Menu” of ITS technologies
- n Accomplished by interactive workshops
- n Tied to Blueprint





# SDP Content Highlights

- n ITS Vision Update
- n Gap Assessment





## SDP Content Highlights

- n Regional ITS Architecture
- n Maintenance Plan
- n ITS Solutions Toolbox



# SDP Content Highlights

n Deployment Plan

t Prioritization of Projects

Table 7.1: Project Sequencing - Short Term Projects (0-5 years)

Priority Level	Location	Description	Project Cost	Year	ITS Vision
H	Caltrans District 3	Signal installation at U.S. 50 eastbound ramps	\$250,000 per signal	2006	2
M	Caltrans District 3	Install ramp metering, traffic monitoring stations, Closed Circuit TV installation, message signs, and upgrade count stations to Traffic Management System on I-80 from Yolo Co. line to Route 244 (Longview Dr.).	\$5,600,000	2005	2 • 3
M	Caltrans District 3	Install ramp meters, HOV Bypasses, additional on ramps, traffic monitoring stations and Closed Circuit TV installation on I-5 from Pocket Rd. to I-80.	\$6,000,000	2005	2 • 3



# SDP Content Highlights

n Deployment Plan

t Early Winner Projects

## **Early Winner projects include:**

**Project #1 – STARNET Systems Engineering Report and Implementation**

**Project #2 – Sacramento 511 Traveler Information System**

**Project #3 – Elk Grove communication connection to future STARNET**

**Project #4 – Folsom communication connection to future STARNET via 50-Fig**

**Project #5 – Roseville backbone connection to Citrus Heights for future STARNET**

**Project #6 – Extension of Regional Transit Backbone**

**Project #7 – Arden Way ITS**

**Project #8 – Watt Avenue Smart Corridor**

**Project #9 – Caltrans Fiber Interconnect Project to future STARNET**

**Project #10 – Stockton Boulevard Enhanced Bus**



# SDP Content Highlights

## n Deployment Plan

t Gap Resolution (in architecture and vision)

Priority	Market Package	Responsible Agency	Description	Project Cost	Year
H	Work Zone Management (MC08)	Caltrans District 3	Provide real-time construction activity region-wide.	TBD	TBD
			Deploy surveillance and detection systems for truck activity within construction zones.	TBD	TBD
M	Work Zone Safety Monitoring (MC09)	Caltrans District 3	Develop a Work Zone Safety Plan.	TBD	TBD
			Deploy technologies to enhance work zone safety.	TBD	TBD
M	Transit Maintenance (APTS06)	Sacramento Regional Transit	Install on-board real-time transit vehicle monitoring devices. This includes the notification of impending failures within the transit vehicle.	TBD	TBD
			Integrate vehicle monitoring devices with the AVL systems and maintenance scheduling system	TBD	TBD



# SDP Content Highlights

## n Deployment Plan

### t Gap Resolution (in architecture and vision)

ITS Vision Objective	Responsible Agency	Description	Project Cost	Year
Improve bicycle and pedestrian mobility and safety	All	Design and implement surveillance, signal operations, and detection devices along key bicycle and pedestrian facilities	TBD	TBD
Improve mobility and reliability for pedestrians and bicycles	All	Design and implement a bike and walking trip planning system within transit trip planning system currently under development	TBD	TBD
Improve mobility and reliability for pedestrians and bicycles	All	Implement a bike and walking trip planning system within the 511 system for the region	TBD	TBD
Improve mobility and reliability for pedestrians and bicycles	All	Install bicycle detection and improve signal timing to enhance bicycle mobility	TBD	TBD



## SDP Content Highlights

n Deployment Plan

t Stakeholder Agreements

Agreement and Agencies	Status	Agreement Description	Considerations
<b>SDP Implementation</b> All project stakeholders	Drafted as the ITS MOU	This agreement would define the responsibilities of stakeholders to implement the recommendations of the Strategic Deployment Plan. Each stakeholder will be asked to commit to utilizing the ITS tools in an effort to include ITS solutions as part of typical CIP projects, when applicable.	This agreement is a zero-dollar agreement, in that there is no charge among agencies to implement the SDP.  This agreement should be executed as soon as possible after the completion and approval of the Final SDP.
<b>Data Sharing and Usage (Public)</b> Caltrans and Public Agencies within the Region	Future	This agreement would define the parameters, guidelines, and policies for inter- and intra-agency ITS data sharing. This data sharing would support regional activities related to traffic management, incident management, traveler information, and other functions. The terms of this agreement should generally address such items as:	These agreements are typically zero-dollar agreements, in that there is no charge among agencies for the actual data, although there might be some cost incurred for infrastructure, systems or fiber to enable communications between



## Deliverables

- n High-Level Executive Summary
- n Mid-Level Executive Summary
- n ITS Solutions Toolbox
- n CD with Appendices
- n All documents are posted on SACOG link



## Application of SDP *Mainstreaming*

- n ITS Solutions Toolbox
- n Regional ITS Architecture helps projects comply with Plan
- n Implement Blueprint



## Application of SDP *Mainstreaming*

n Resource during planning and CIP processes

