

Accelerating Project Delivery

California Transportation Commission
August 22, 2012



California Department of Transportation

State Contract Act Requirements

- Emergency
 - Allows for waiving or postponing certain requirements
 - Paramount Bridge replacement is an example
- Non-emergency
 - Working within the requirements, acceleration is still possible.

Project Delivery Acceleration Toolbox

- Developed by Caltrans
- Describes options to accelerate project delivery
- Initiated in 2002 and updated regularly
- To date, 169 improvements identified
 - Includes:
 - Training for Project Managers and Engineers
 - Standardized processes or forms
 - Project Development and Contracting

Project Development Phase

- NEPA Delegation
- Permit Engineering Evaluation Report (PEER)
- Project Agreement Construction Tool (PACT)
- Programmatic Agreements
 - 106 Agreement with SHPO
 - Biological Opinions with US Fish & Wildlife Service (Giant Garter Snake, Red-legged Frog, San Joaquin Kit Fox, Desert Tortoise, etc.)



Innovative Construction Contract Tools

- Construction Partnering
- Cost + Time (A+B) Contracting
- Incentives/Disincentives
- Smart (Flexible) Start
- Accelerated Bridge Construction

Merging Design and Construction

- Pilots In Progress
 - Design-Sequencing
 - Design-Build

Upcoming Opportunities

- Construction Manager/General Contractor
- Job Order Contracting
- Terrestrial Laser Scanning (Surveys)
- 3D Constructability reviews
- Conflict Detection
- Machine Guidance
- Map - 21