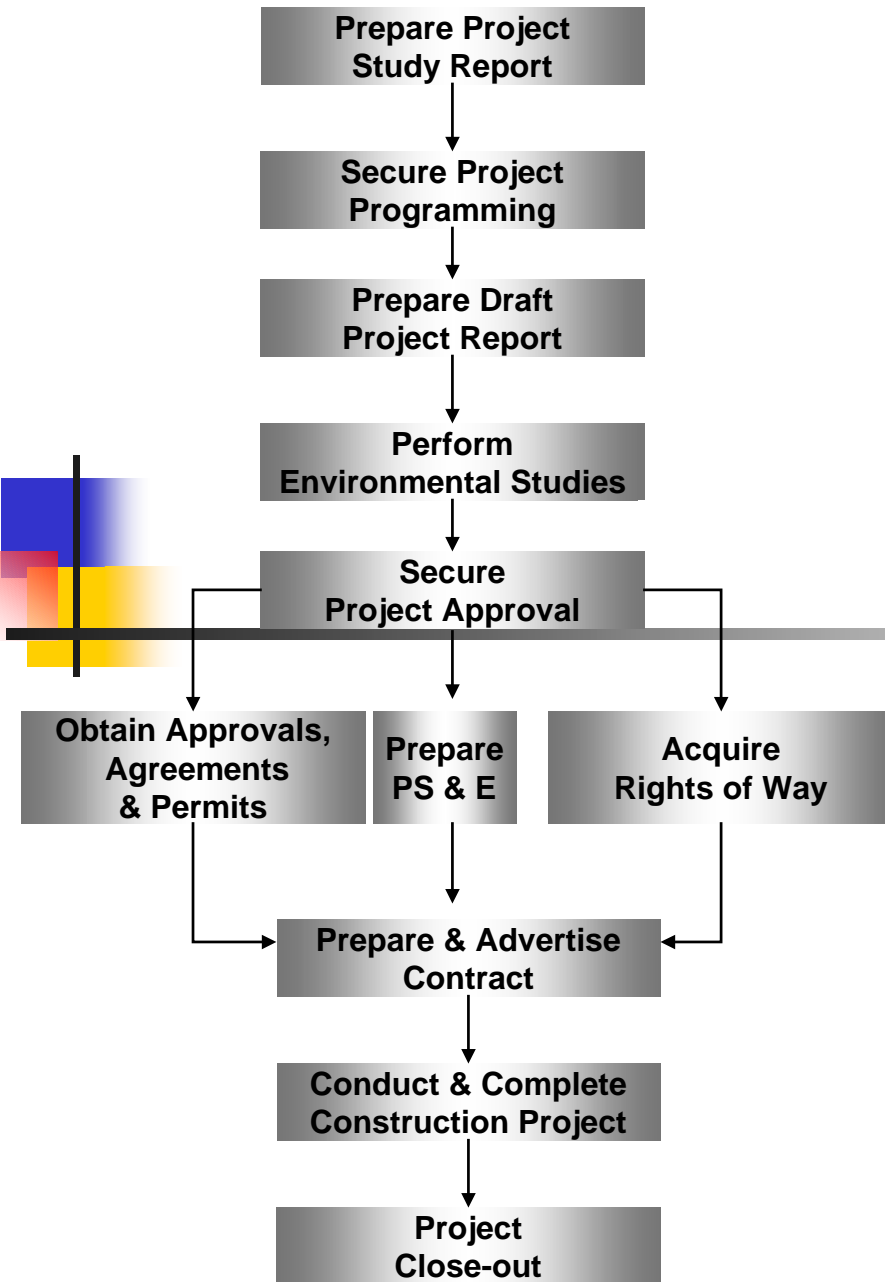


# Project Development Process





# How Caltrans Develops Projects

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The Caltrans project development process:

- Begins with feasibility studies and ends with a completed project.
- Has been designed through statute and regulations to provide many avenues for citizens and agencies to comment on project issues.



# Prepare Project Study Report

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- Prepare Project Initiation Document
- This includes scoping of the physical work, the budget and schedule to deliver the project. Also, the Need and Purpose of the project is refined.
- Typical Timeframe: 6 Months to 12 Months



# Secure Project Programming

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- Project competes for available funding from a variety of sources.
- Timing is dependent on funding cycle and project's relative priority
- For RTIP funds, local councils such as TAMC (Transportation Agency For Monterey County) makes decisions.



# Prepare Draft Project Report

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- Prepare Draft Project Report - engineering report that describes the work.
- Consideration of Alternatives
- Timeframe: parallel with Environmental Document

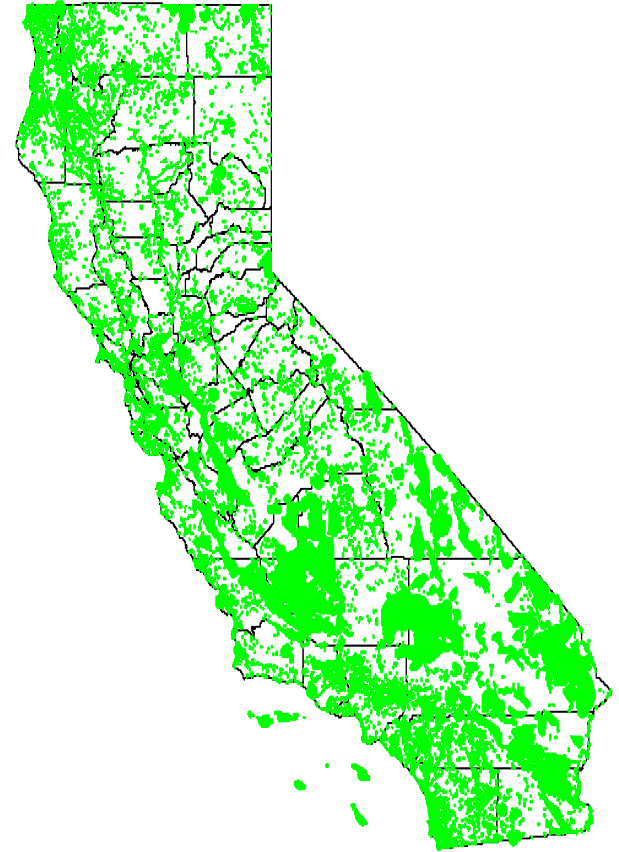
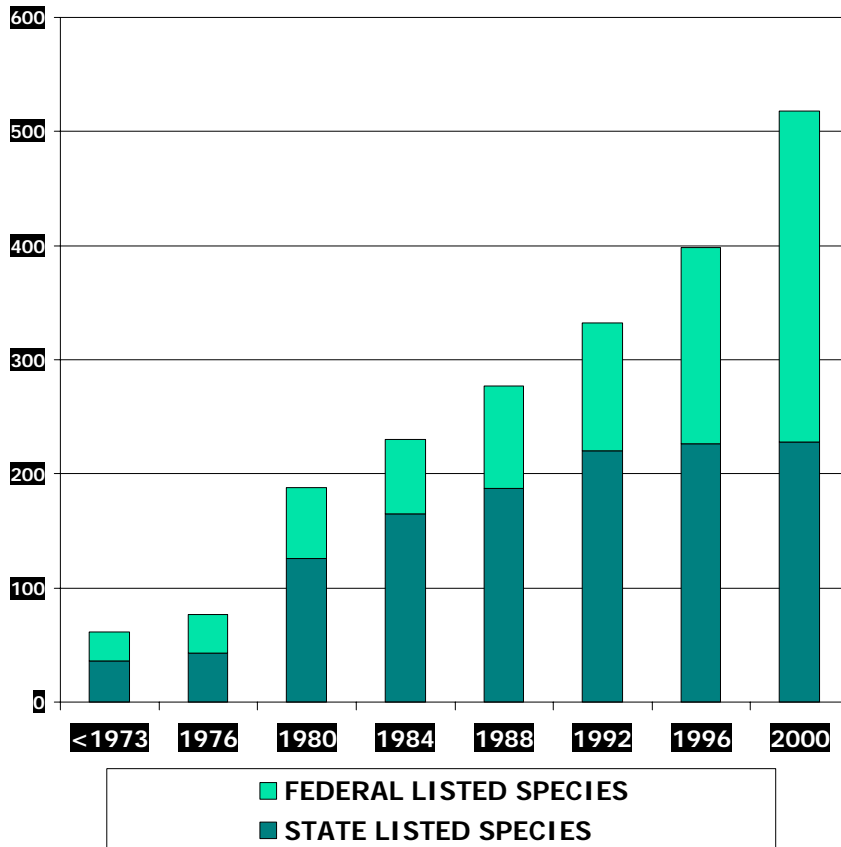
# Perform Environmental Studies



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- Environmental Studies Include:
  - Visual Impact analysis
  - Air Quality studies
  - Noise impacts
  - Water Quality studies
  - Hazardous Waste investigations
  - Hydraulic/Floodplain studies
  - Paleontology studies
  - Biological studies and assessments
  - Wetlands studies
  - Archeological surveys
  - Cultural and historical studies

# Listed Species





# Perform Environmental Studies

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- Alternatives must be formally considered under a variety of circumstances
- Goal is to find least environmentally damaging alternative that fulfills Need and Purpose
- Timeframe on large documents averages 5 years



# Secure Project Approval

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- Project Approval/Environmental Approval
- FHWA and other regulatory Agencies must approve



# Final Design

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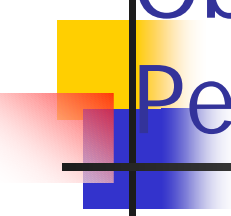
- Detailed Design, preparing of contract documents to be bid
- Entails range of activities from detailed engineering to color of walls and type of landscaping
- Timeframe: 2 years typical



# Acquire Rights of Way

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- Concurrent with detailed design
- Ensures that there is physical room and rights to build project
- Timeframe: Typically 6 months to 2 years



# Obtain Approvals, Agreements & Permits

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- Concurrent with R/W and Final design.  
Includes:
  - Permits
  - Cooperative Agreements
  - Freeway and Controlled Access Highway Agreements
  - Relinquishment Agreements
  - Maintenance Agreements



# Prepare & Advertise Contract

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- Design is complete.
- Right of Way - All needed properties have been obtained either by easement or acquisition, and all utilities have been taken care of.
- All permits and Agreements obtained
- California Transportation Commission must approve a fund request.
- Final project documents and bid package are then assembled for advertising.



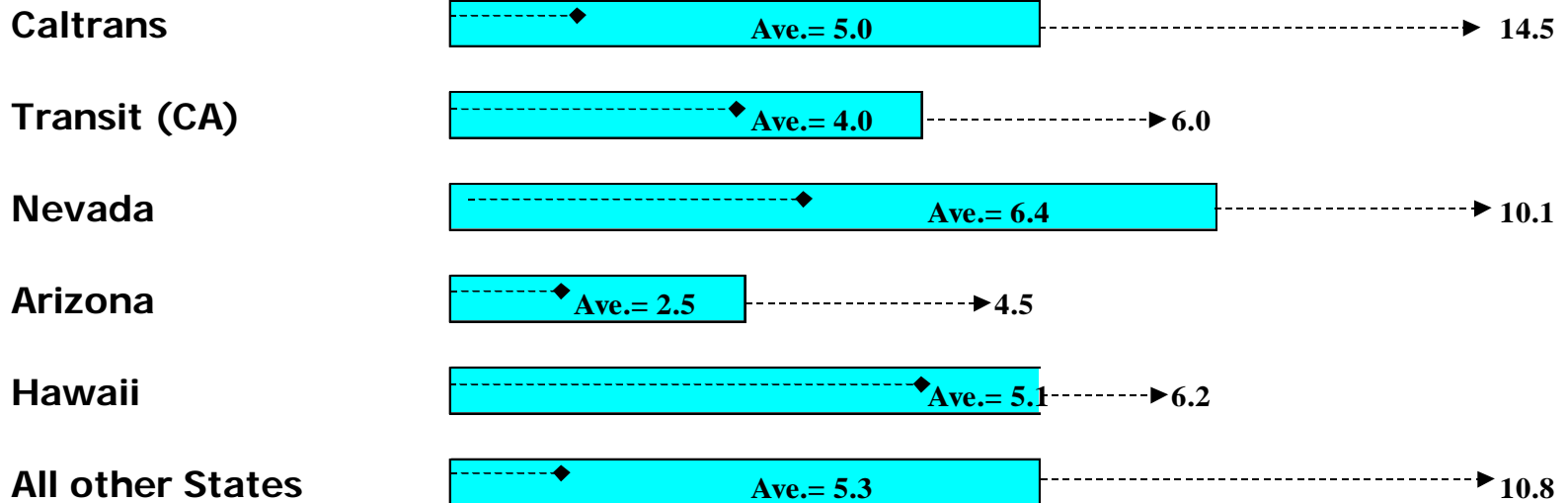
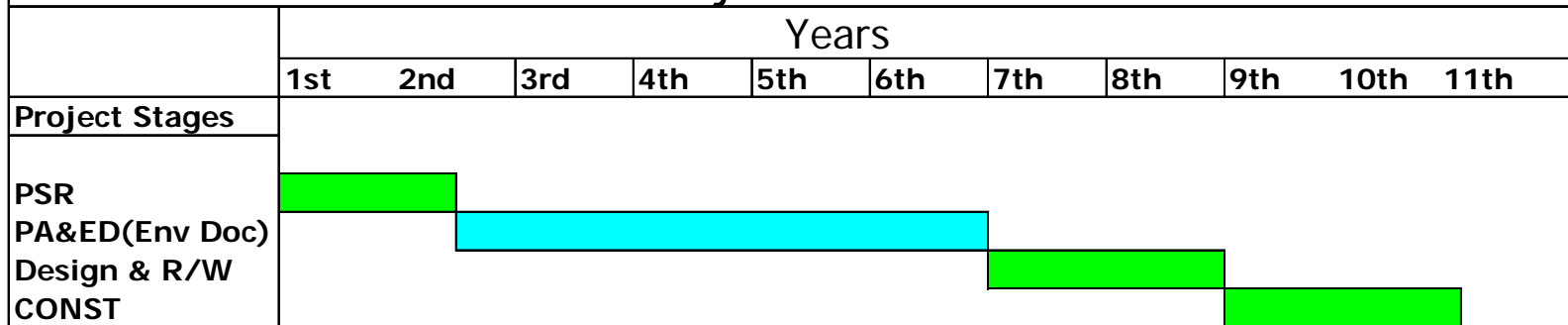
# Conduct & Complete Construction Project

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- A Contractor is selected and the Construction contract is awarded
- Timeframe: Varies, 6 months to 3 years

# Typical Highway Improvement Project

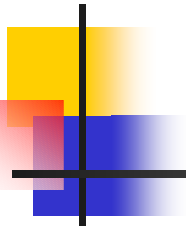
Project Schedules



# Highway 1/17 Interchange Project Timeline



# Highway 1/17 Interchange Project Timeline (Cont.)



■ Summer

Supplemental Environmental Document Started

97



■ Fall 97

Caltrans Presents New Design, \$63 Million Cost Exceeds Available Funding



■ Apr-98

Caltrans Presents Four Additional, Lower Cost Interchange Options



■ Dec-98

SCCRTC Approves \$33.4 Million Option for Merge Lane Improvements



■ Dec-99

Open House/Focused Neighborhood Workshops

# Highway 1/17 Interchange Project Timeline (Cont.)



- Feb-02 Supplemental Environmental Document Complete and Public Hearing Scheduled



- 2001-04 Project Design, Right of Way Acquisition, Utility Relocation etc.



- Spring-04 Estimated Start of Construction



- 2007 Estimated Project Completion



# Challenges - PSR

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- Need and Purpose
- Scope of work clear and obtainable
- Consensus



# Challenges - PA&ED

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- Timeline for Environmental Analysis
- Reviews time by other agencies can be 40% or more of time



# Challenges - Design and R/W

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- Ensuring Need and Purpose met



# Streamlining Efforts

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- Involve Resource Agencies at Project Initiation
- Manage MOUs - continuously improve
- Good project Scopes and Schedules



# Streamlining

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- Funds for staff at Resource and Regulatory agencies to deal with expanding Transportation Program
- Partnering meetings with EPA/CT/FHWA
- Enhance Coordination with Coastal Commission, NMFS, USEPA, USACoE, USFWS, SHPO, CDFG



# Streamlining

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- Reduce reworking project decisions by more involvement and outreach at critical times
- Perform activities concurrently when possible
- Utilize consultants for peak workloads and specialties