

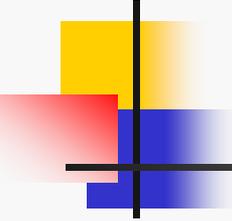


Transportation Planning Academy...

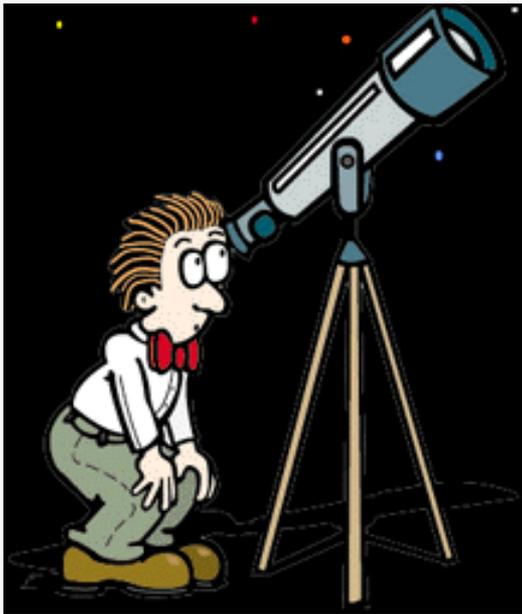
What's Environmental Got to Do with It?



Peter Bond, Division of Environmental Analysis



Presentation Overview



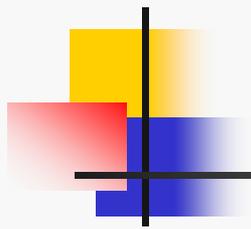
- **Division of Environmental Analysis (DEA)—What do we do?**
- **Interaction between DEA and Planning**

What's Environmental Got to Do with It?



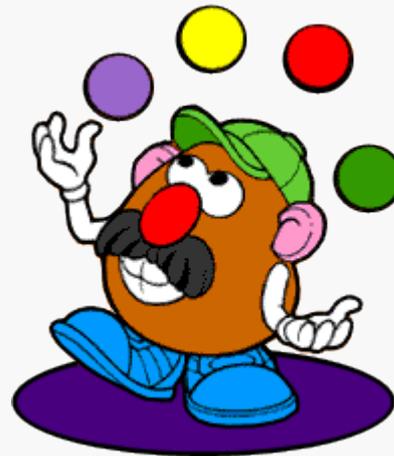
**We're one big team working to
"Improve Mobility Across
California"**

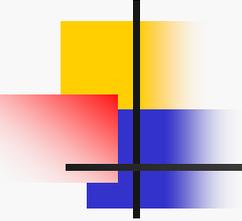




Environmental Analysis

- Making sure that the action complies with all environmental laws, regulations and orders





Environmental Analysis

Section 404 of Clean Water Act

Exec. Order on Floodplains

NEPA

Section 7 of Endangered Species Act

CEQA

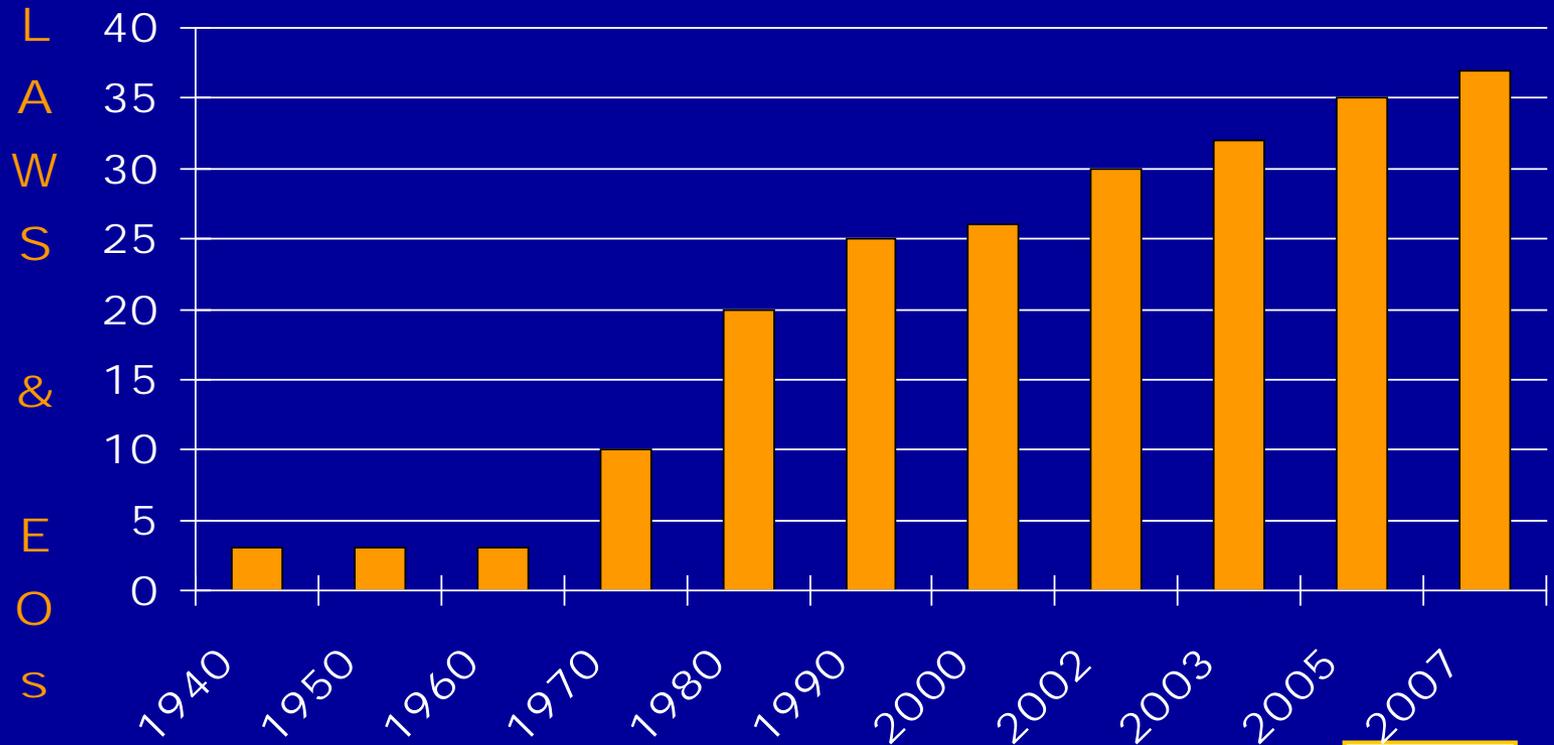
Section 4(f) of U.S. DOT Act

Exec. Order on Wetlands

Section 106 of National Historic Preservation Act

...and many more

Environmental Laws & Executive Orders



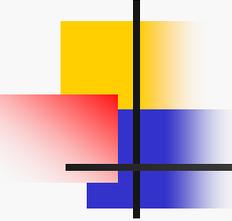
The Big Two



California Environmental
Quality Act



National Environmental
Policy Act



History of NEPA and CEQA

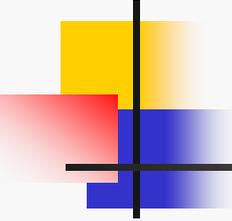
- Enacted NEPA in 1969, CEQA in 1970



Why

Why?

why?



History of NEPA and CEQA

Love Canal



Niagara, New York

History of NEPA and CEQA



Cleveland, Ohio

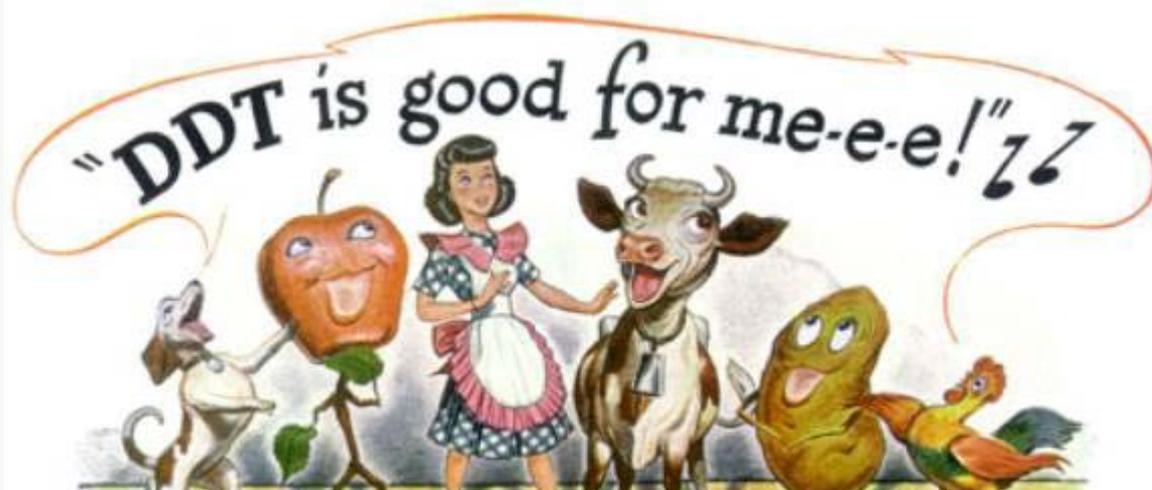
History of NEPA and CEQA

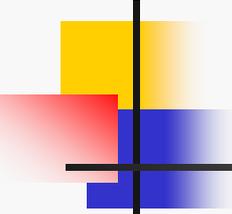
The Story of Silent Spring

How a courageous woman took on the chemical industry and raised important questions about humankind's impact on nature.

Although their role will probably always be less celebrated than wars, marches, riots or stormy political campaigns, it is books that have at times most powerfully influenced social change in American life. Thomas Paine's *Common Sense* galvanized radical sentiment in the early days of the American revolution; *Uncle Tom's Cabin* by Harriet Beecher Stowe roused Northern antipathy to slavery in the decade leading up to the Civil War; and Rachel Carson's *Silent Spring*, which in 1962 exposed the hazards of the pesticide DDT, eloquently questioned humanity's faith in technological progress and helped set the stage for the environmental movement.

Birds poisoned with DDT laid eggs with shells so thin that the weight of the parents crushed them.



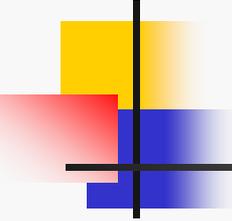


NEPA and CEQA Basics

Goals of NEPA and CEQA

- Promote General Welfare
- Allow People and Nature to Live in Productive Harmony
- Fulfill Social, Economic, and Environmental Requirements of Present and Future Generations

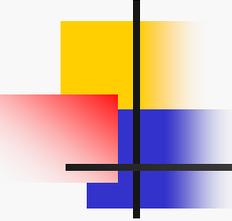




When Does NEPA Apply?

NEPA

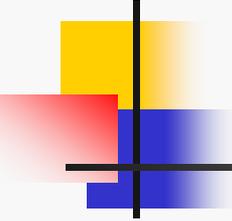
- **Applies to Federal Actions**
 - **Federal Funding**
 - **Federal Property**
 - **Federal Approval**



When Does CEQA Apply?

CEQA

- **Applies to State Actions**
 - **State Funding**
 - **State Property**
 - **State Approval**



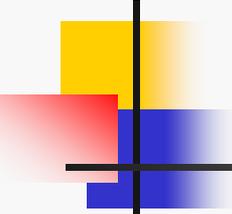
NEPA and CEQA Basics

- **To Comply We Must:**

- **Analyze and Evaluate** Impacts on Natural, Social, and Economic Elements

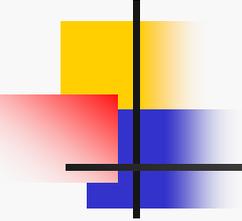
- **Mitigate** Impacts [CEQA and FHWA Reg. 23 CFR 1.105(d)(2)]





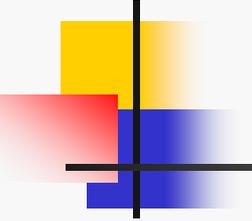
NEPA and CEQA Documents

CEQA	Impact Type (the "S" word)	NEPA
Categorical Exemption (CE or Cat. Ex.) 1-12 months	Not significant	Categorical Exclusion (CE or Cat. Ex.) 1-12 months
Initial Study (IS) 1 1/2 to 5 years	Potentially significant	Environmental Assessment (EA) 1 1/2 to 5 years
Environmental Impact Report (EIR) 5 to 10 years...or until you retire or rotate	Significant	Environmental Impact Statement (EIS) 5 to 10 years...or until you retire or rotate



NEPA and CEQA Documents

NEPA Document Type	NEPA Decision Document	CEQA Document Type	CEQA Decision Document
Categorical Exclusion	Categorical Exclusion (CE)	Categorical Exemption	Categorical Exemption (CE)
Environmental Assessment (EA)	Finding of No Significant Impact (FONSI)	Initial Study (IS)	Negative Declaration (ND) or Mitigated Negative Declaration (MND)
Environmental Impact Statement (EIS)	Record of Decision (ROD)	Environmental Impact Report (EIR)	Notice of Determination (NOD)



Coordination

**Environmental Process Can Take
Anywhere from 1 week**



to 10 years...or longer





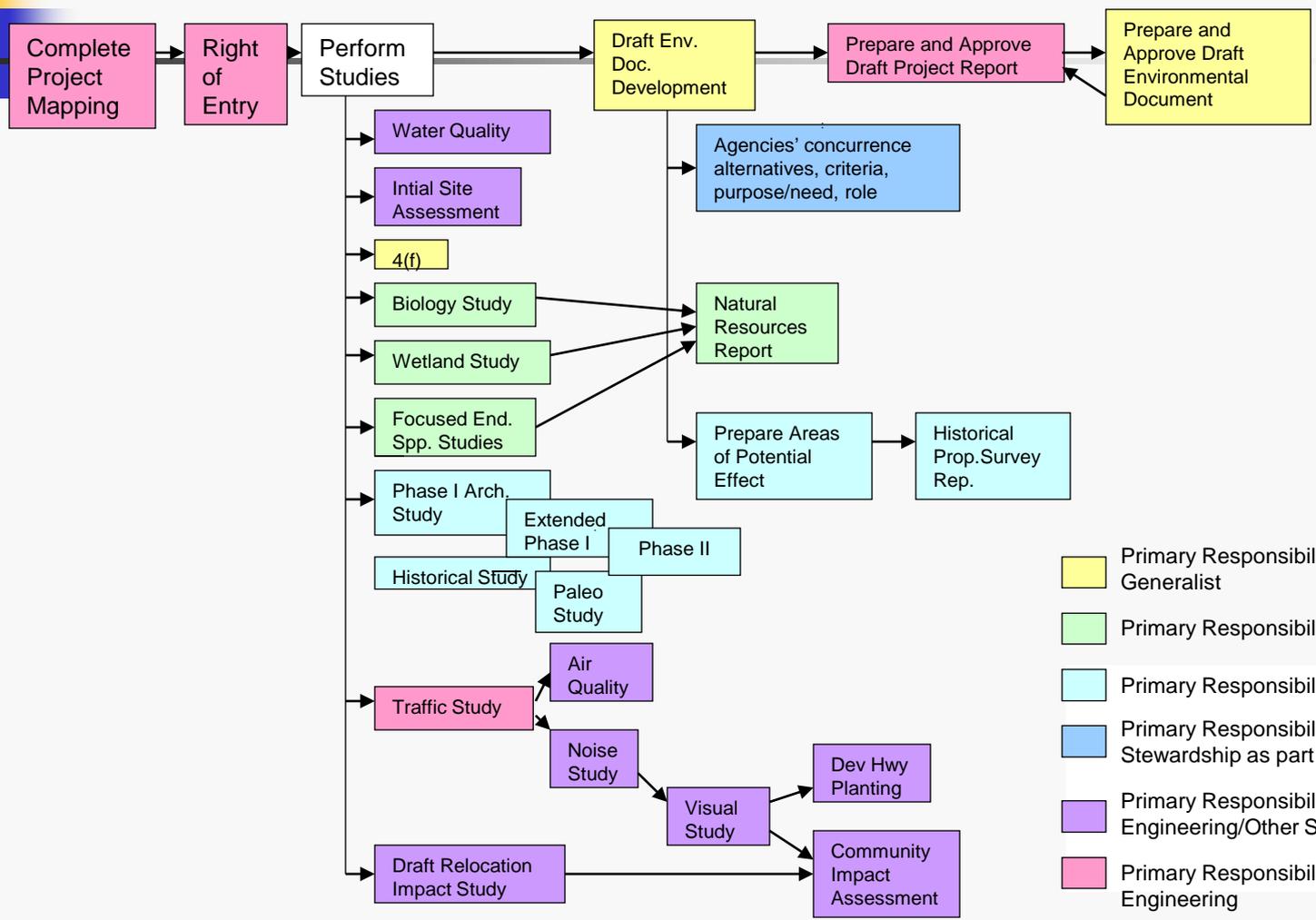
Coordination

The fewer the impacts, the quicker the project will be approved

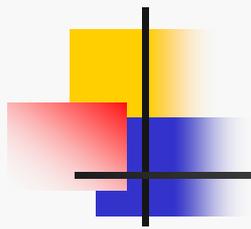


Don't Be Annoyed, Avoid.

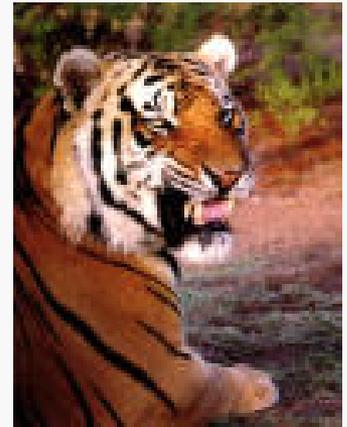
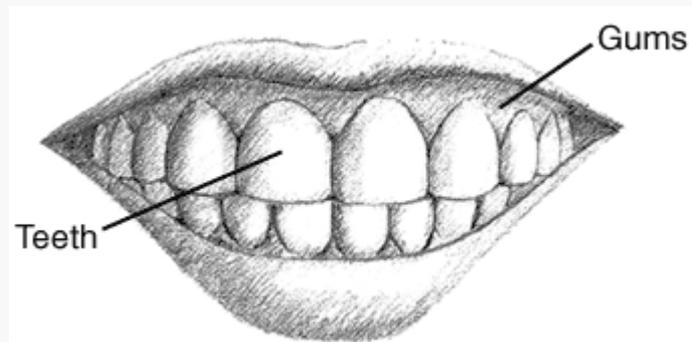
Be Wise, Minimize.



- Primary Responsibility of Environmental Generalist
- Primary Responsibility of Biology
- Primary Responsibility of Cultural Resources
- Primary Responsibility of Environmental Stewardship as part of NEPA/404
- Primary Responsibility of Environmental Engineering/Other Specialists
- Primary Responsibility of Project Mgmt/Engineering



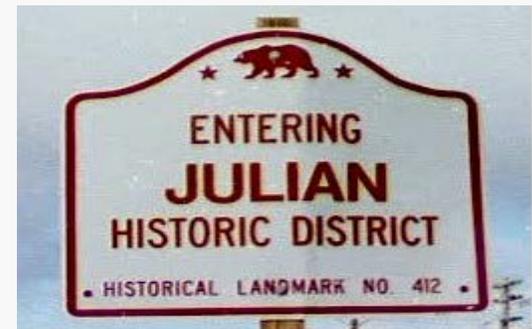
Related Laws Most Likely to Affect Project Design

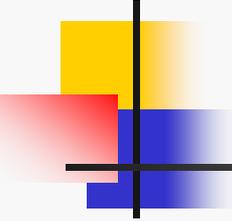


(a.k.a. the laws with the biggest teeth)

Section 4(f)

- Federal Transportation Project
- that “uses”
 - **publicly owned public park, recreation area**, or
 - **wildlife and waterfowl refuge**, or
 - land of **historic site** of national significance
- can be approved - **only if** -
 - there is **no prudent and feasible alternative** - **and** -
 - project includes **all possible planning to minimize harm to the resource**



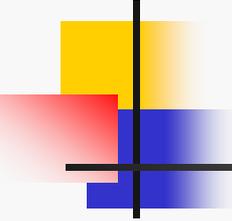


Section 4(f)

**In Other Words,
Avoid Public Parks, Refuges, and Historic
Resources Wherever Possible**



Just Say No!



Env. Laws with Big Teeth

Executive Order 11990: Protection of Wetlands

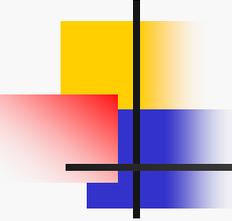


E.O. on Wetland Protection

- When a construction **project involves wetlands**, a finding must be made by the federal agency (FHWA for our projects) that:
 - there is **no practicable alternative - and -**
 - the proposed action **includes all practicable measures to minimize impacts**



Black-necked Stilt



E.O. Wetlands

- In other words, avoid wetlands wherever possible



Just Say No!

Other Environmental Laws and Issues

Human Environment



Cultural Resources

National Historic Preservation Act requires all Federal agencies to **take into account the effects of their actions on historic properties**

HISTORIC HIGHWAY BRIDGES OF CALIFORNIA |



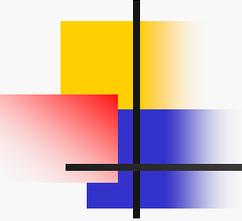
CALIFORNIA DEPARTMENT OF TRANSPORTATION



Visual / Aesthetics

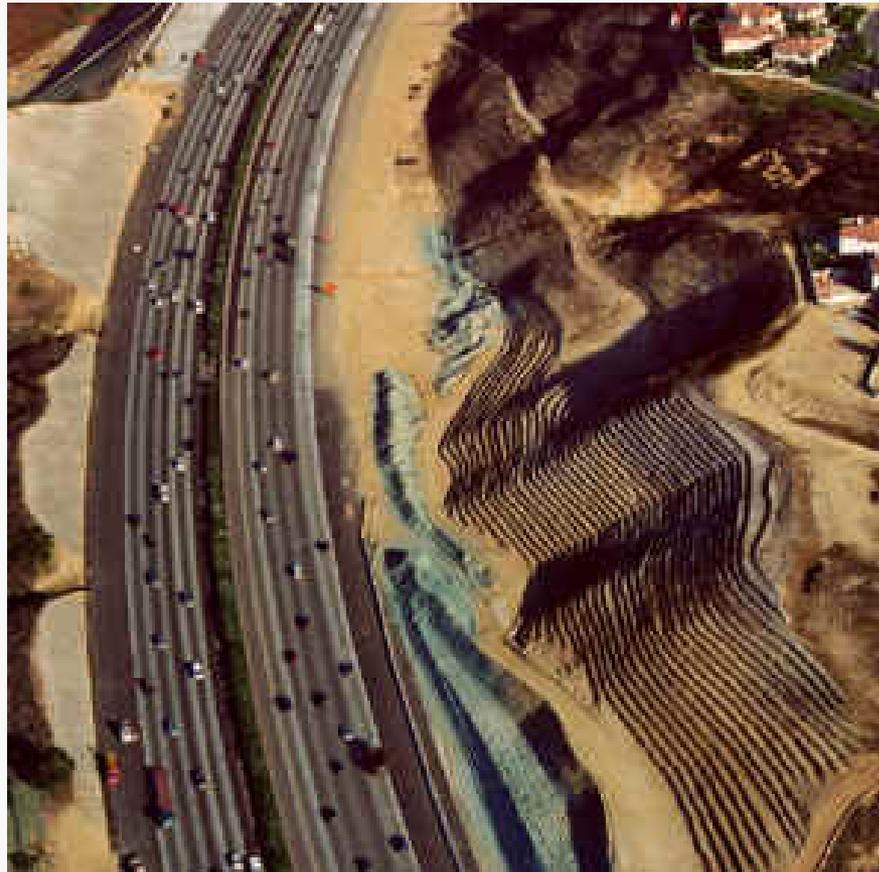
Mass Grading (Not so Good)





Visual / Aesthetics

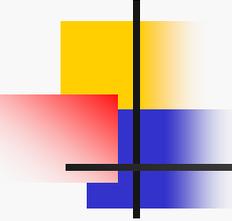
Contour Grading (Good!)



Other Environmental Laws and Issues

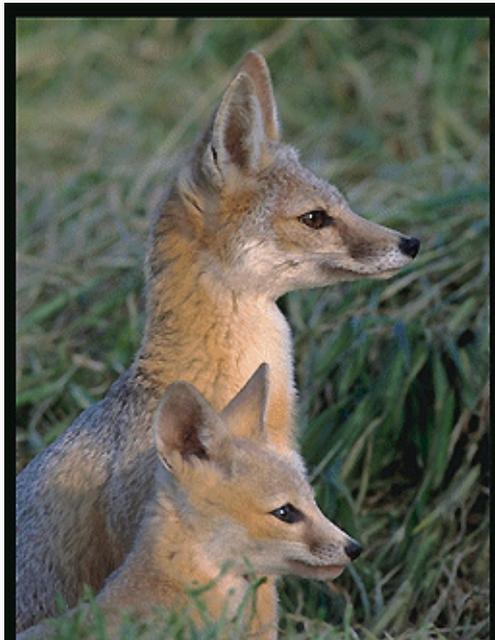
Biological Environment





Endangered Species Act

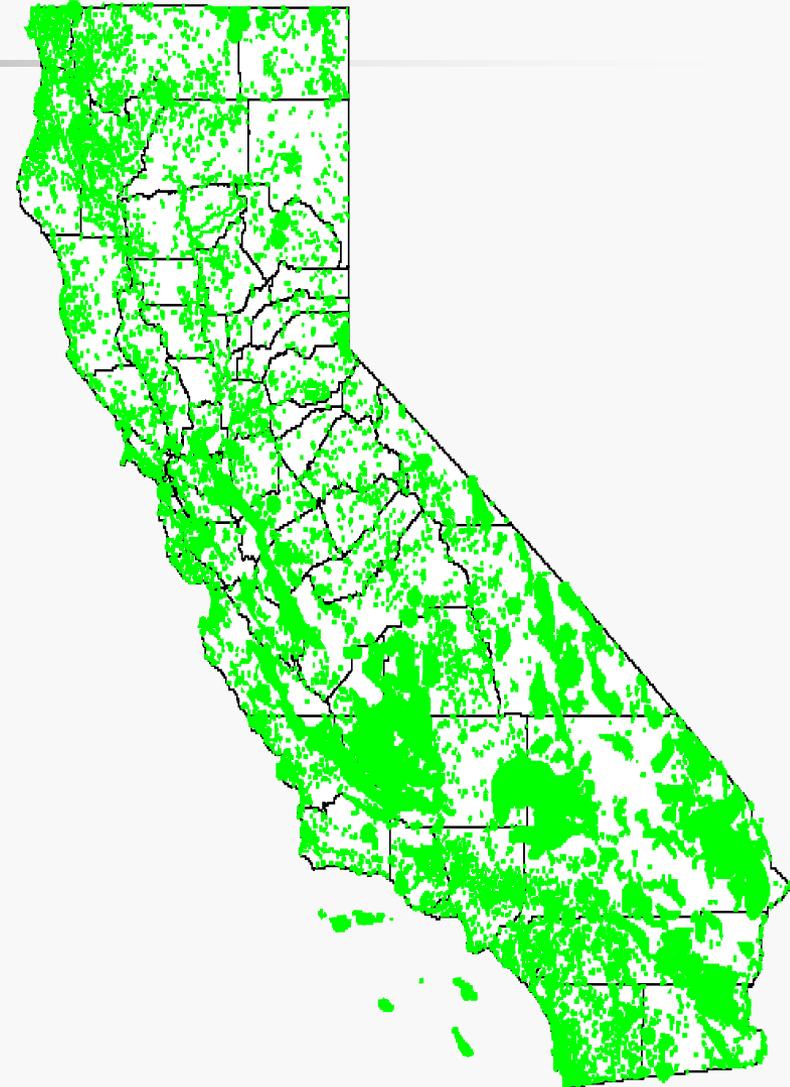
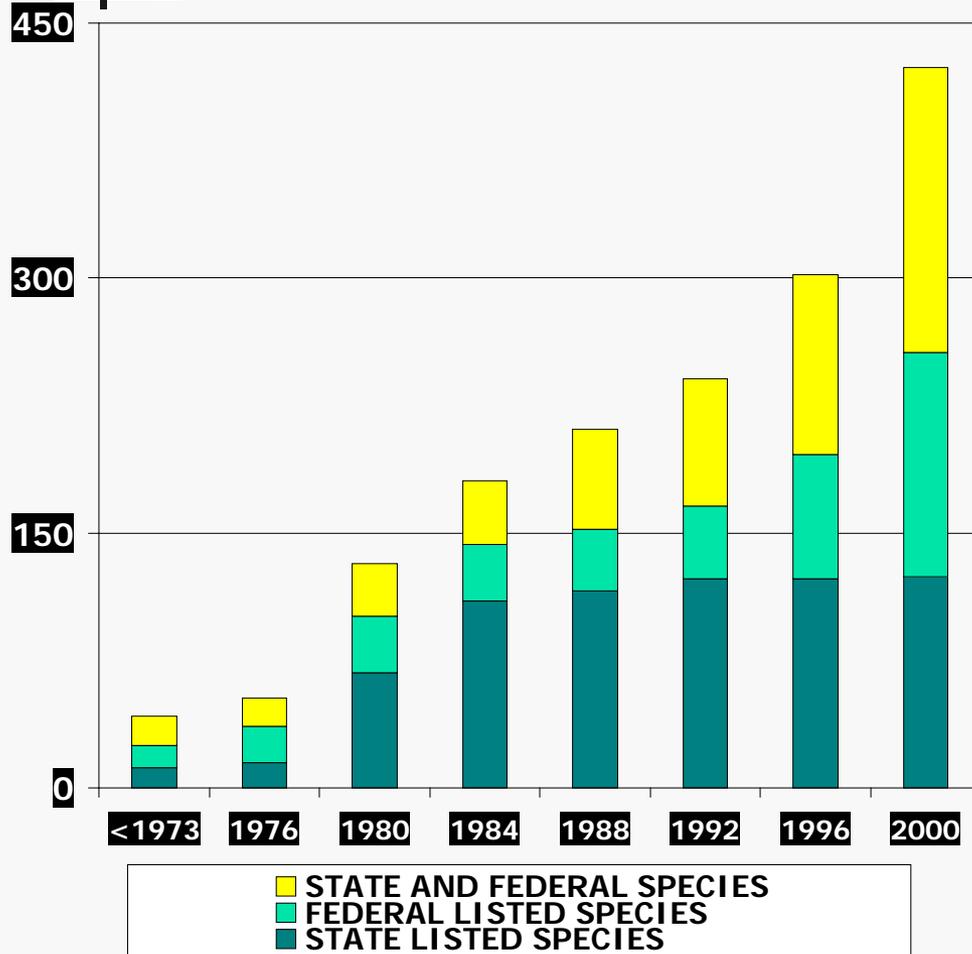
All federal departments and agencies shall seek to **conserve endangered species and threatened species...**



California has a similar law-the California Endangered Species Act.



Endangered Species Act





Endangered Species Act



Critter Crossings

Linking Habitats and Reducing Roadkill

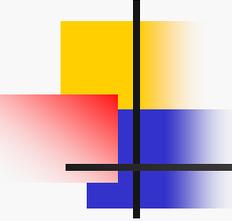


Clean Water Act

Section 404 of the Clean Water Act

- **Regulates the discharge of dredge or fill material in jurisdictional waters**





Clean Water Act

Sections 319, 401 & 403 of the Clean Water Act

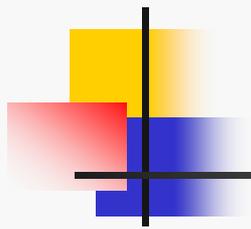
- Water Quality Certification
- Stormwater and NPDES





CA Fish & Game Code 1602 Streambed or Lake Alteration

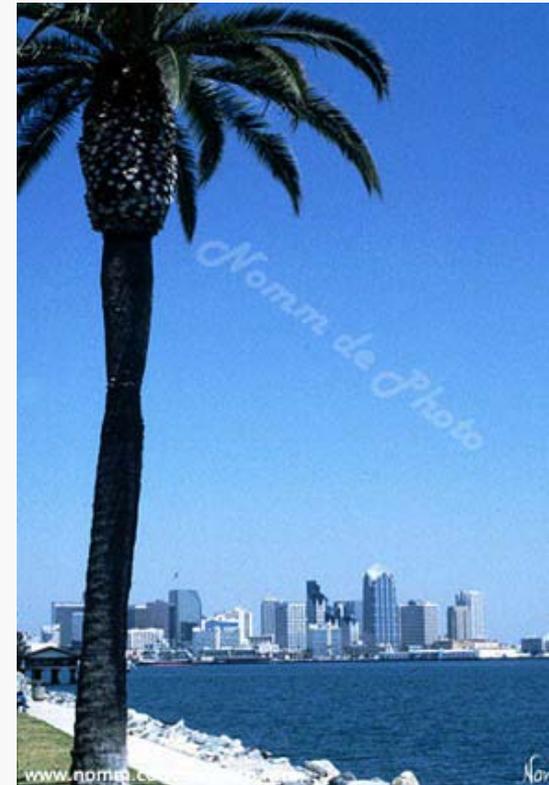




Coastal Development Permit

Coastal Zone Management Act
requires coastal permit when there's:

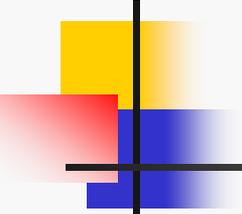
- Loss of public access to the shoreline & recreational opportunities and resources.
- Loss of natural resources - biological, cultural, visual.
- Loss of life and property from coastal hazards.



Other Environmental Laws and Issues

The Physical Environment





Hazardous Waste



Environmental works to I.D., Investigate, and Clean Up

If at all possible, AVOID!

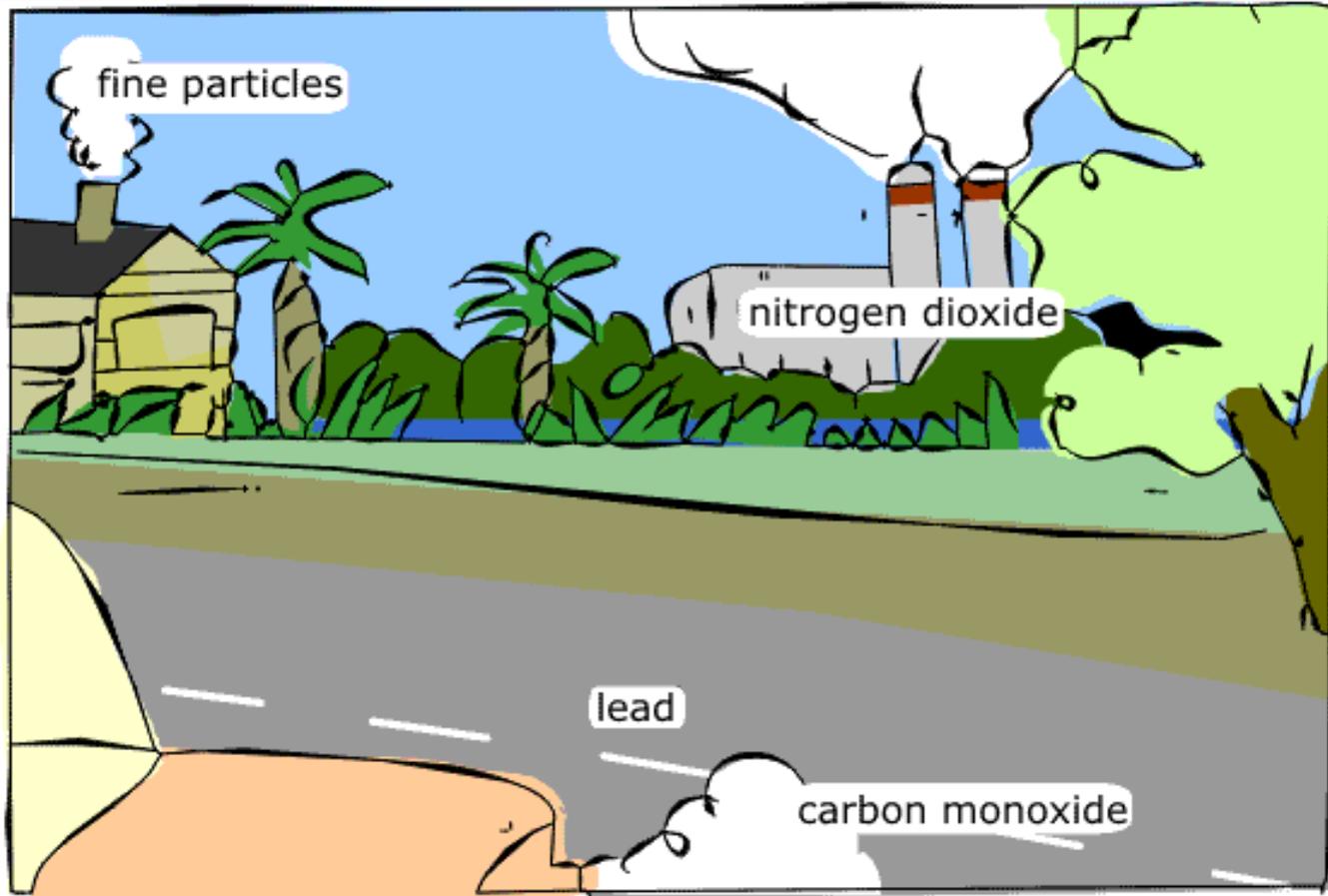
**Known
Hazardous
Waste Sites**



Noise



Air Quality

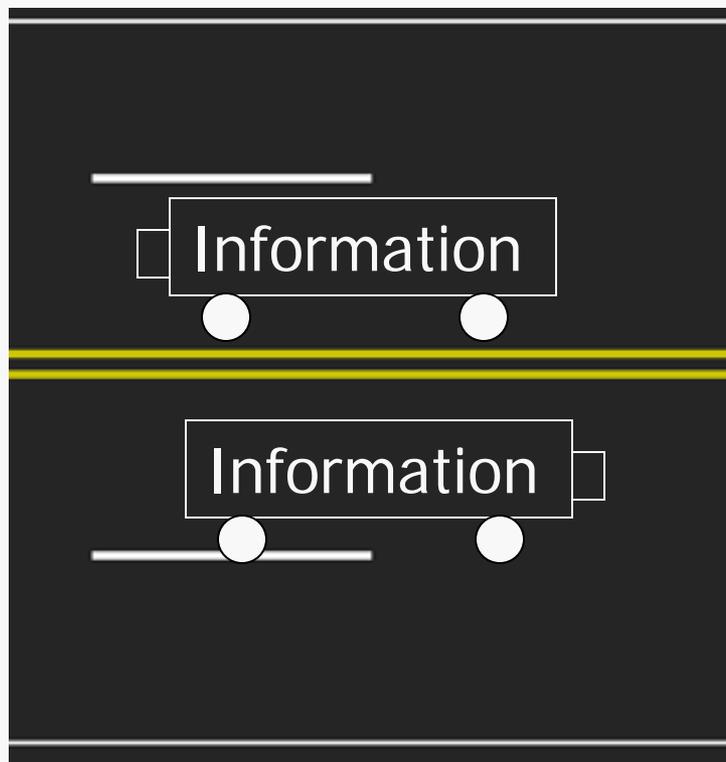




Interaction Between Environmental and Transportation Planning

It's a two-way street.

**Transportation
Planning**



Environmental

What Environmental Needs from Transportation Planning

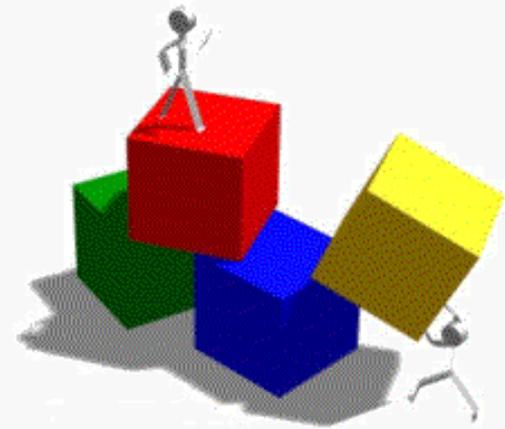
- **A Good Hand-Off of Early Project Development Information**





What Environmental Needs from Transportation Planning

- **Key Items—Project “Building Blocks”**
 - Purpose and Need
 - Project/Corridor History
 - Development of Alternatives
 - Consistency with Statewide, Regional and/or Local Plans



What Environmental Needs from Transportation Planning

- **Purpose and Need**

- **Regional Population & Traffic Forecasts**
- **Modal Interrelationships and System Linkages**
- **Social Demands or Economic Development**
- **Air Quality Improvements**



What Environmental Needs from Transportation Planning

- **Alternatives**

- **Multimodal**

- **TSM/TDM**

- **Avoidance**

- **Criteria—the How & the Why**



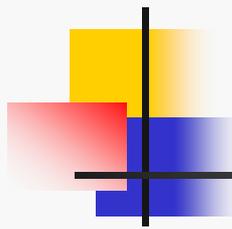


What Transportation Planning Needs from Environmental

Environmental Data and Analysis

- Share GIS Data as well as Field Survey Data
- Help to Identify Potential Impacts and Mitigation Measures





What Transportation Planning Needs from Environmental

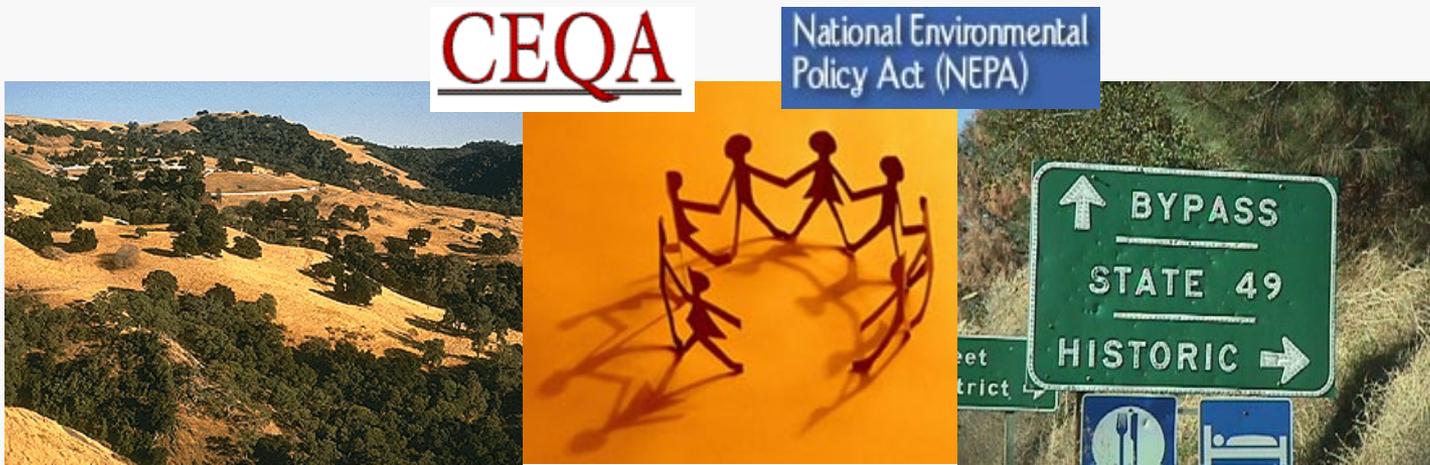
Key Times When Environmental Can Help:

- **IGR/CEQA Review**
 - I.D. Potential Conflicts, Impacts and Mitigation Measures
- **Advanced Planning/System Planning**
 - Route and Corridor Reports



Summary

- **Analysis and Coordination is key. Why?**
 - **Build “Good” Projects that Comply with All those laws!**
- **Environmental ↔ Transportation Planning**



Standard Environmental Reference (SER)

www.dot.ca.gov/ser/

Caltrans - Standard Environmental Reference Home Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail

Address <http://www.dot.ca.gov/ser/> Go Links >>

California Home Friday, December 16, 2005

Welcome to California

SER Home

Purpose of the SER - New Users Read This First

How to Use The SER - Printing Problems? Site Organization; Trouble with Acrobat Reader

Topics Matrices

Env Handbooks

Vol 1: General - Topics Chapters

Vol 2: Cultural

Vol 3: Biological

Vol 4: Community

Storm Water

Other Guidance

Forms & Templates

Policy Memos

MOUs/MOAs - NEPA/404

Caltrans Standard Environmental Reference

Caltrans > SER

Last Updated: October 4, 2005

What is the SER? The Standard Environmental Reference (SER) is an on-line resource to help state and local agency staff plan, prepare, submit, and evaluate environmental documents for transportation projects. The SER contains information appropriate to all transportation projects developed under the auspices of Caltrans, and to all local agency highway or local streets and roads projects with funding or approvals by the Federal Highway Administration (FHWA).

The SER includes:

- **Caltrans Environmental Handbooks**, including:
 - **Vol 1: Guidance for Compliance** - NEPA and CEQA documentation; a general technical resource for planners; and a compendium of applicable federal and State laws and regulations
 - **Vol 2: Cultural Resources** - For archaeologists, historians and other cultural resources specialists

Got Questions about the SER? Caltrans staff should contact the [Environmental Coordinator](#) for your district. Local agency staff should contact the [Caltrans Local Assistance Engineer](#) for your district.

If you have suggestions for improving this site, or experience difficulty with its use, you may email the [website coordinator](#) directly or use the [suggestion box](#).

This site is produced by the Caltrans Division of Environmental Analysis and Division of Local Assistance

http://my.ca.gov/state/portal/myca_homepage.jsp Internet

How Do Projects Affect Communities?











BARRIO CHILD DEVELOPMENT CENTER
CENTRO PRE ESCOLAR DEL BARRIO



11 19 '01

















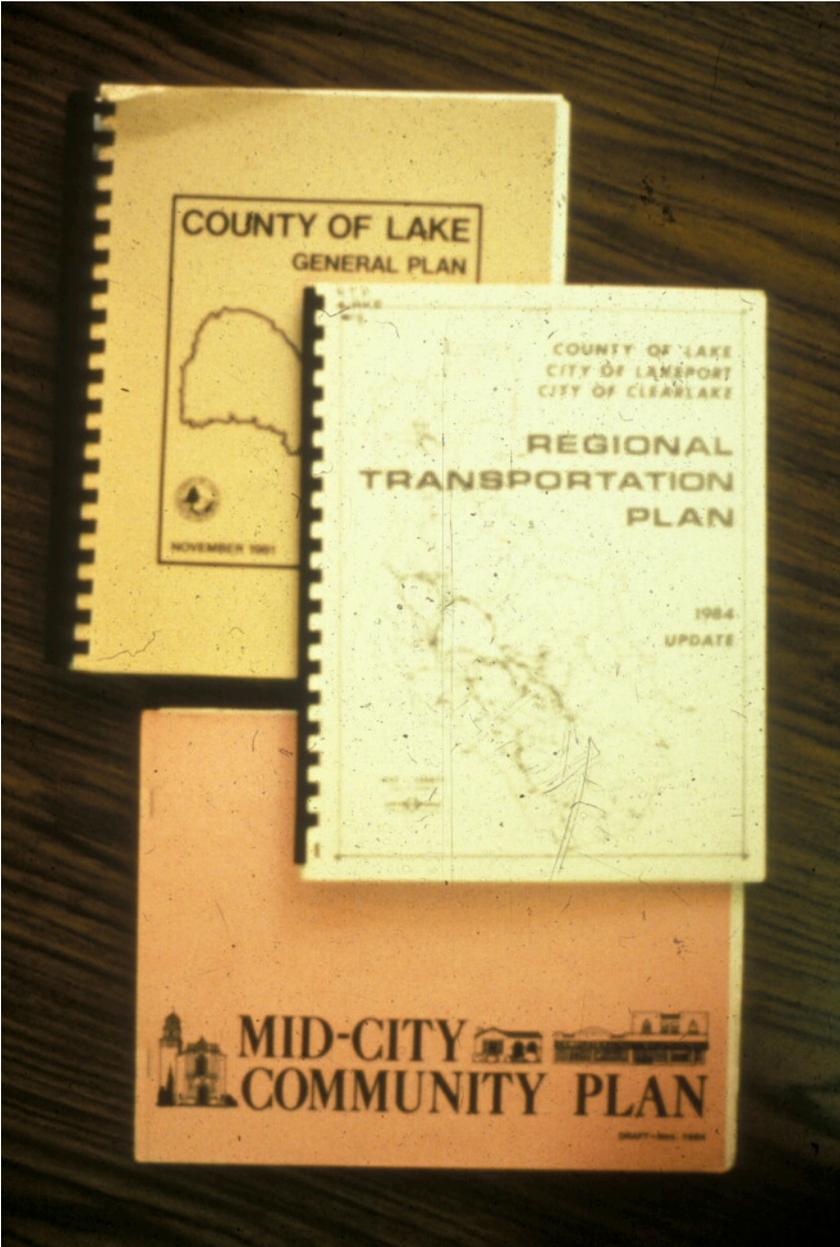


MEADE AVE DC
BRIDGE NO. 57-998
2000









**COUNTY OF LAKE
GENERAL PLAN**



NOVEMBER 1981

COUNTY OF LAKE
CITY OF LAKESPORT
CITY OF CLEARLAKE

**REGIONAL
TRANSPORTATION
PLAN**



1984
UPDATE



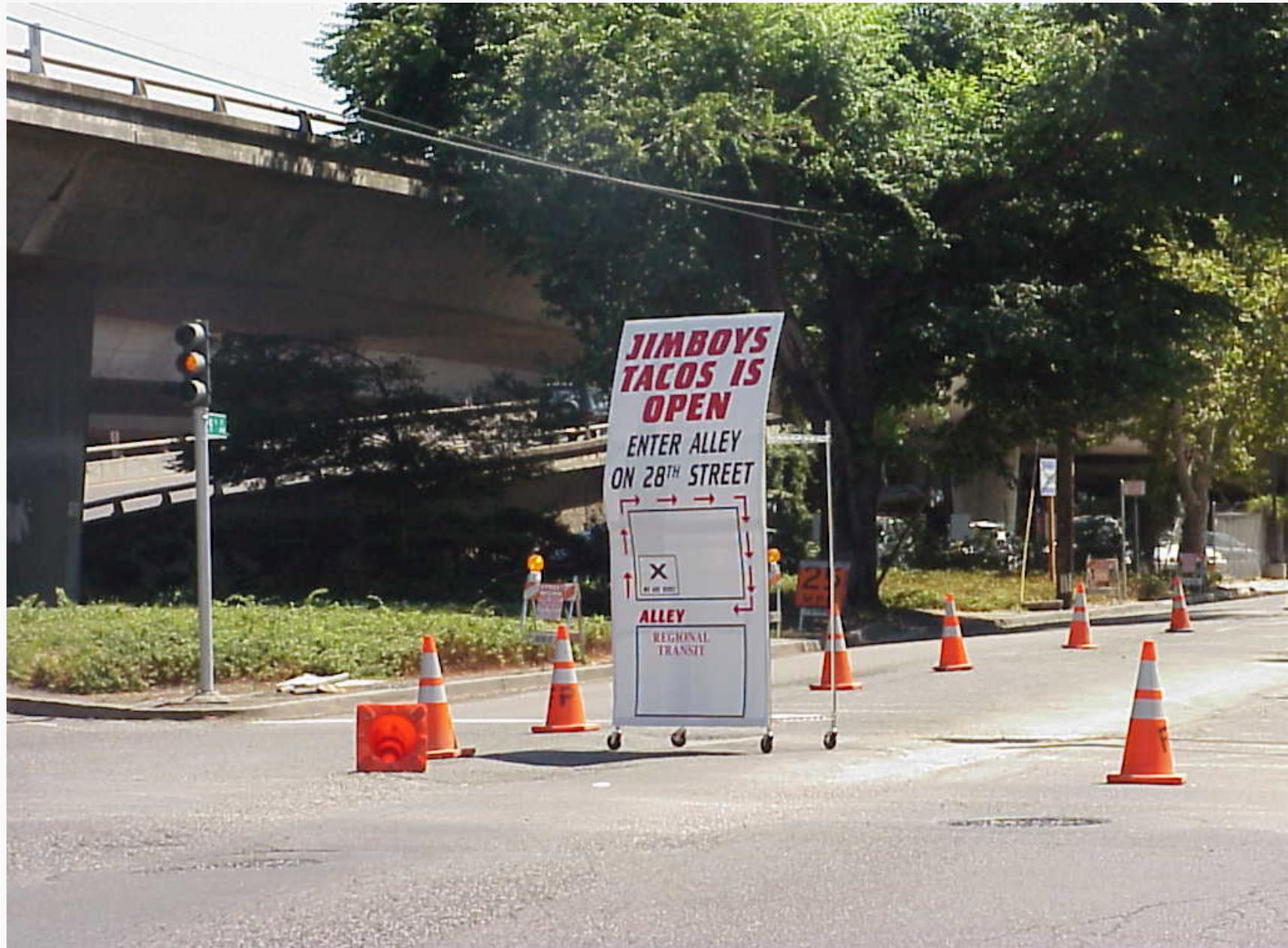
**MID-CITY
COMMUNITY PLAN**

DRAFT - Nov. 1984









**JIMBOYS
TACOS IS
OPEN**

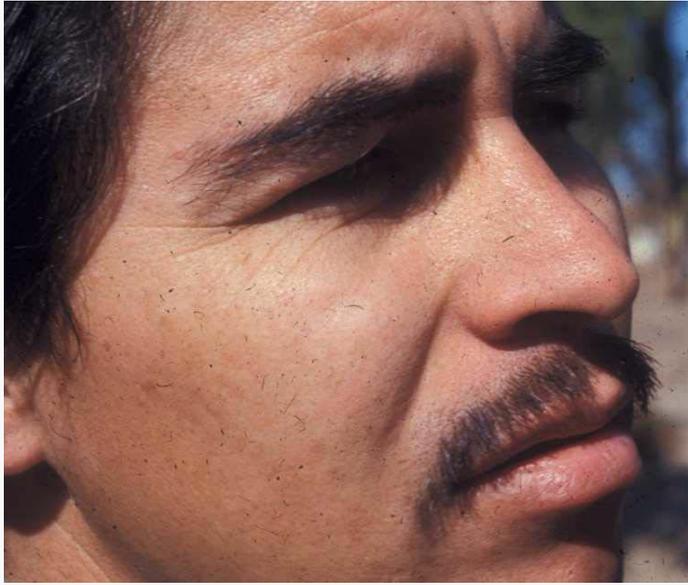
**ENTER ALLEY
ON 28TH STREET**



ALLEY
REGIONAL
TRANSIT



























Definition: According to the U.S. EPA Environmental Justice “is the fair treatment and meaningful involvement of all people regardless of race, color national origin, or income with respect to the development, implementation and enforcement of environmental laws, regulations, and policies.”









Cypress Freeway











Hinkley School

PICTURE DAY SEPT 18
OPEN HOUSE
THURSDAY SEPT 19
6 TO-730 PM

DCB Desert Community Bank

9 19 '02







HELP PLAN THE FUTURE
OF CARMICHAEL
COMMUNITY WORKSHOP
THIS FEBRUARY
FOR DATES, TIMES, & LOCATIONS,
CALL: 874-4444 OR VISIT
www.saccounty.net/planning/carmichael

ARD
MISSION
STREET



1537

1537



weGrow
"The First Honest Hydro Store"



♿
PARKING ONLY

♿
E-ENTERING ONLY

ALL RIGHTS RESERVED
NO PARTS OF THIS
PUBLICATION MAY BE
REPRODUCED OR
TRANSMITTED IN ANY
FORM OR BY ANY
MEANS, ELECTRONIC OR
MECHANICAL, INCLUDING
PHOTOCOPYING, RECORDING,
OR BY ANY INFORMATION
SYSTEM.

NO
LITTERING
IS ALLOWED
ON THE
PROPERTY OF
HARRIS.

CUSTOMER
PARKING
IN REAR
NO
OUTLET



flow-er-ing

[flou-er-ing]-adj.

1. developing and bearing flowers and resin.
2. third stage of the perpetual growing cycle when a change in light signals the plant that the season is over. THC crystals become milky white indicating that harvest is near.



MEDICONE



weGrow

"The First Honest Hydro Store"

NO
STOPPING
ANY
TIME







