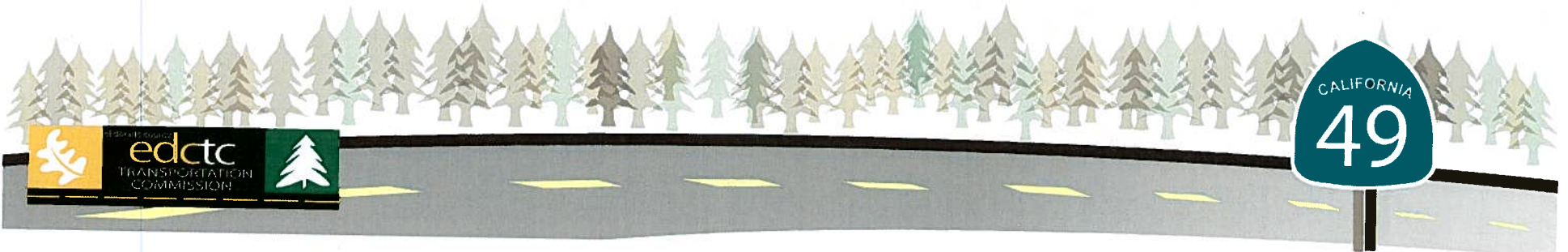


El Dorado County Transportation Commission  
Presents

# State Route 49 Realignment Study

November 5, 2009

**TY·LIN** INTERNATIONAL

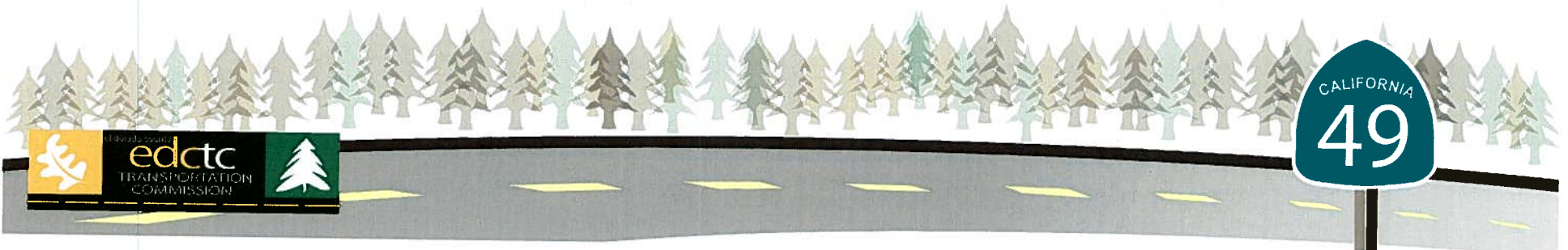


# PRESENTATION

- ❑ **Project History / Study Limits / Purpose & Need**
- ❑ **Project Development Process / Organization**
- ❑ **What is a Realignment Study?**
- ❑ **Community Involvement / Comments Heard**

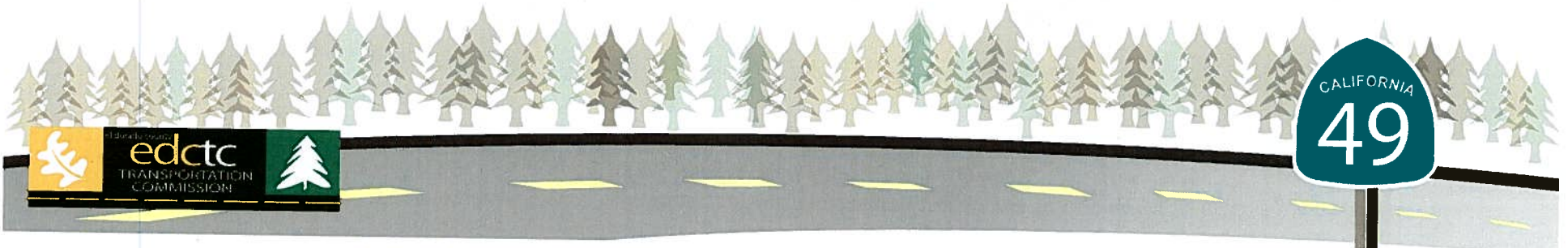
**(Dan Bolster, EDCTC)**

- ❑ **Alternative Evaluation / Project Issues / Schedule**  
**(Keith Rhodes, TY Lin International)**



# Project History / Study Limits / Purpose & Need

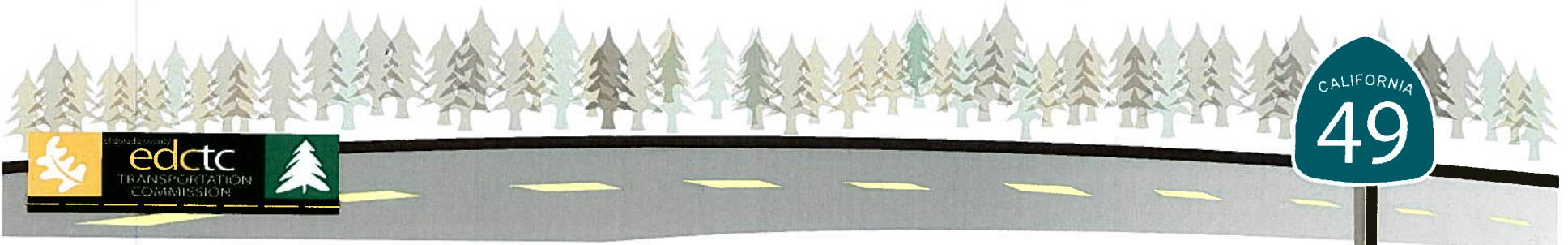
**Dan Bolster – EDCTC**



# Project History

TYLIN INTERNATIONAL

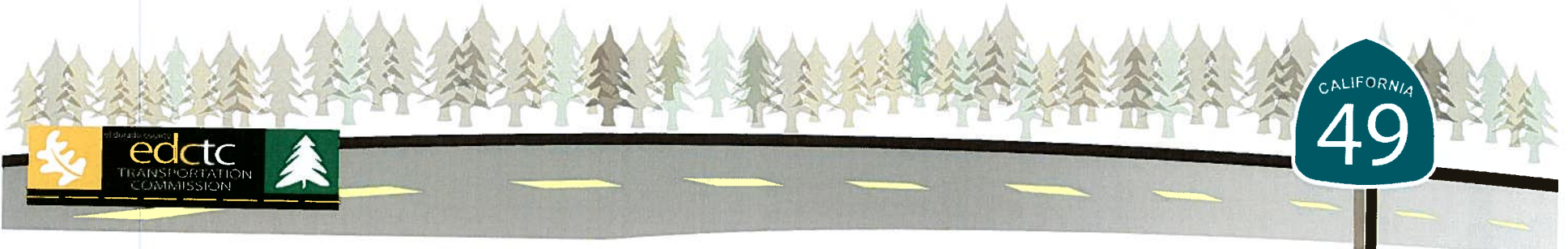
- EDCTC Identifies Need for Study
- EDCTC Applies for Partnership Planning Grant – January 2008
- Caltrans Awards EDCTC \$250,000 Partnership Planning Grant to fund SR 49 Realignment Study – August 2008
- SR 49 Realignment Study begins – January 2009



# Project Study Limits

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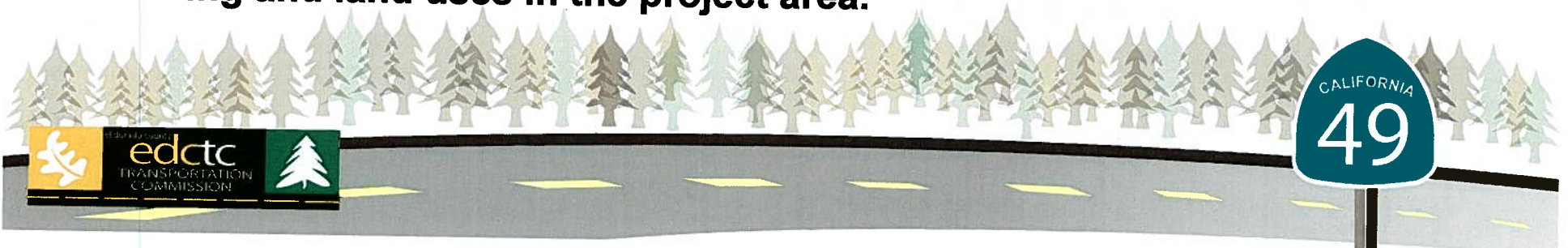
State Route 49 (SR 49) from the intersection of SR 49 with Lotus Road in the town of Coloma to the intersection of SR 49 with Pleasant Valley Road in the town of El Dorado.



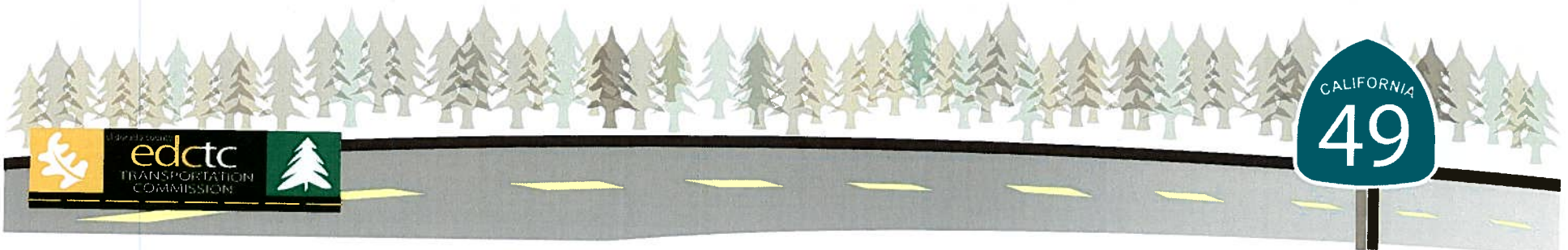
# Purpose & Need

## Key Goals

- Provide safe and efficient transport of goods and people (i.e. tourists and local traffic) along SR 49 from Coloma to the community of El Dorado while minimizing impacts to historic, cultural, and natural resources.
- Eliminate the at-grade intersection of SR 49 and U.S. 50.
- Eliminate the existing alignment of SR 49 through Marshall Gold Discovery State Historic Park.
- Relieve SR 49 traffic impacts to densely populated residential areas and business districts of City of Placerville, El Dorado, and Diamond Springs.
- Reduce the amount of resources necessary to achieve improved conditions in the SR 49 corridor by using existing roads.
- Consider and analyze land uses identified in the City of Placerville, El Dorado County, and Marshall Gold Discovery State Historic Park General Plans to ensure that potential new alignments are compatible with planned zoning and land uses in the project area.





# Project Development Process / Project Organization



# Project Development Process

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## LEGEND:

-  - Current Phase
-  - Opportunities For Public Comment

**Identify Project (Realignment Study)** 2009 / 2010

**Project Study Report (PSR)** 1 - 2 years

**Project Funding**

**Draft Project Report (DPR)** 2 - 4 years

**Environmental Document**

**Project Report (PR)**

**Prepare Plans, Specifications & Estimate (PS&E)** 1 - 2 years

**Acquire Right of Way** 1 year

**Advertise** 6 months

**Construction**

**APPROXIMATE TIMELINE TO CONSTRUCTION**  
6.5 - 10.5 years \*

\*Timeline is an estimate based on historical project development experience.





# Project Organization

## SAC

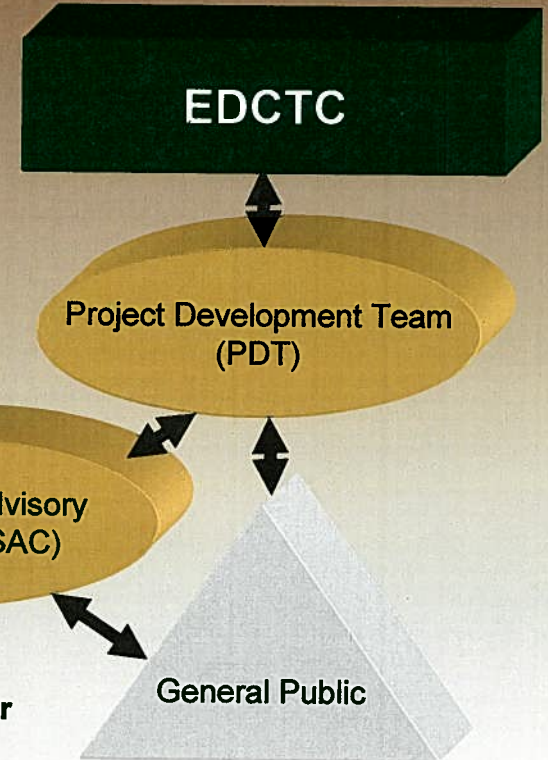
- ◆ Broadway Village Association
- ◆ California Outdoors
- ◆ California State Parks- Gold Fields Division
- ◆ California Trucking Association
- ◆ Coloma Lotus Valley Community Association
- ◆ EDC Chamber of Commerce
- ◆ ED Citizens for Smart Growth
- ◆ EDC Office of Education
- ◆ EDC Office of Emergency Services
- ◆ EDC Parks and Recreation Commission
- ◆ EDC Historical Society
- ◆ ED Union High School District
- ◆ ED Youth Commission
- ◆ Farm Trails
- ◆ Friends of Diamond Springs / El Dorado
- ◆ Greenstone Country Owners Association
- ◆ No Gridlock Committee
- ◆ Placerville Drive Business Association
- ◆ Placerville Downtown Association
- ◆ Sierra Club Maidu Group
- ◆ Tax Payers Association of EDC
- ◆ Trails Now

## PDT

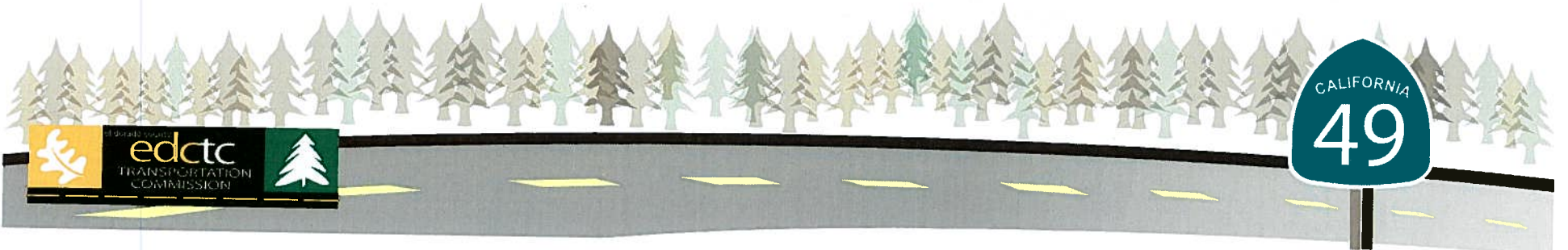
- ◆ Caltrans
- ◆ EDC DOT
- ◆ ED Transit
- ◆ EDCTC
- ◆ City of Placerville
- ◆ CHP
- ◆ State Parks
- ◆ Consultant

### LEGEND:

-  - Decision Maker
-  - Advisory
-  - Input / Feedback



# What is a Realignment Study?

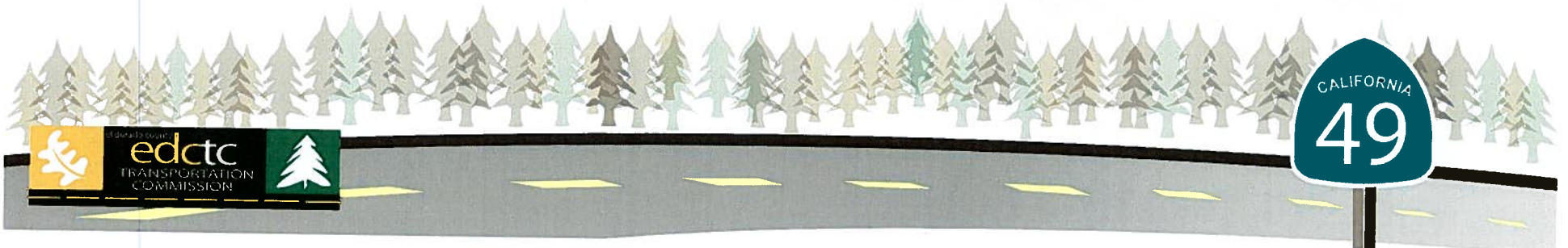


# A Realignment Study is...

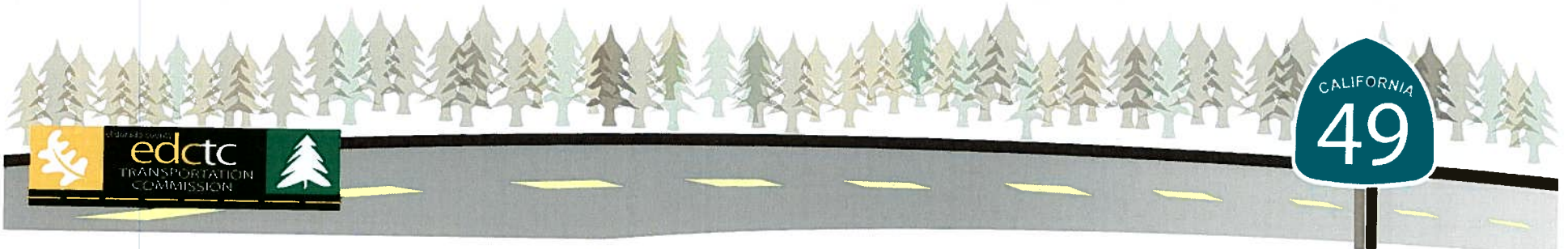
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- Preliminary planning/conceptual document.
- Identifies potential alternatives to address the purpose and need of the project.
- Identifies approximate project cost, scope and schedule.

***It isn't a Final Design or Environmental Impact Analysis document.***



# Community Involvement / Comments Heard



# Community Involvement

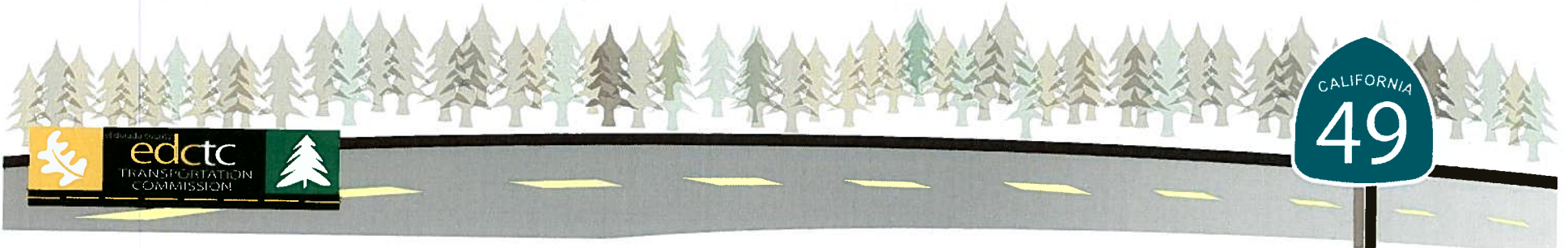
TYLIN INTERNATIONAL

- **Stakeholders Advisory Committee (SAC)**

**6 Meetings**

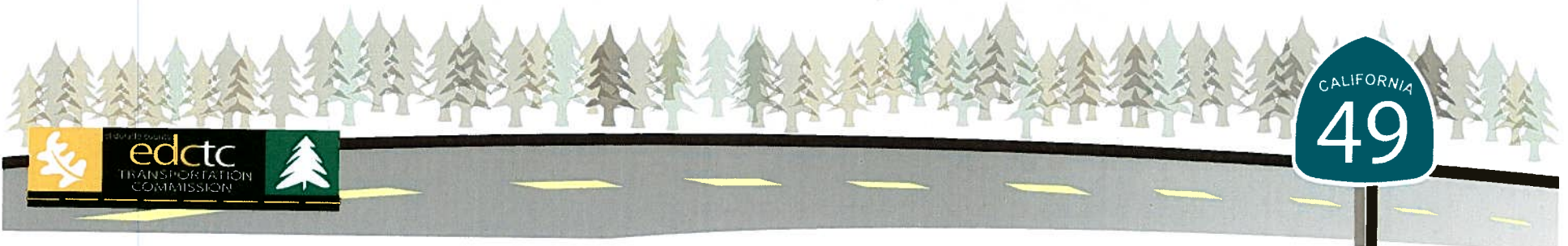
- **Public Information Meetings**

**2 Meetings**



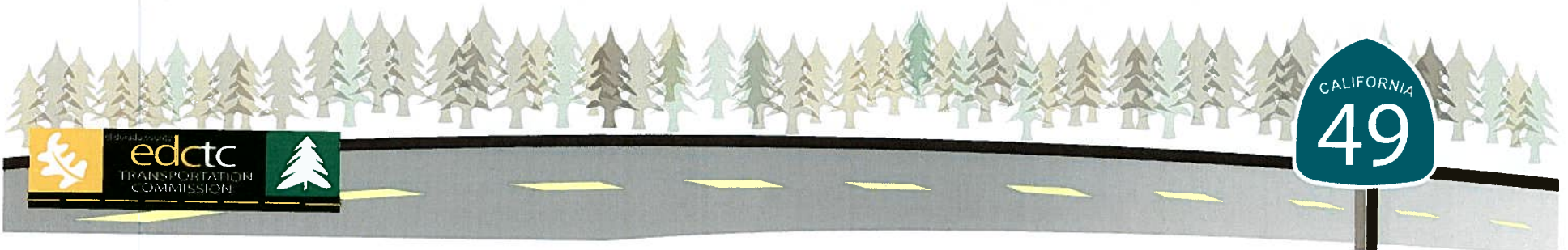
# Comments Heard

- Safety is an important issue
- Honor existing historical heritage – “Golden Chain”
- Minimize impacts on existing businesses & residents
- Remove SR 49 from Marshall Gold Discovery Historic State Park
- Address intersection of SR 49 and US 50
- Reduce congestion on SR 49 through Diamond Springs area
- Maximize bicycling, pedestrian and transit opportunities
- Improve emergency vehicle access
- Address school-related safety issues
- Consider land use impacts of alternatives



# Alternative Evaluation / Project Issues / Project Schedule

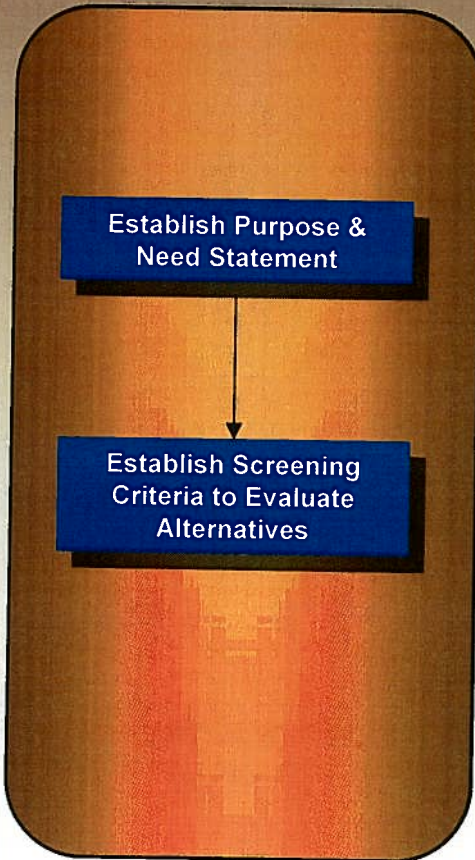
## Keith Rhodes – TY Lin International



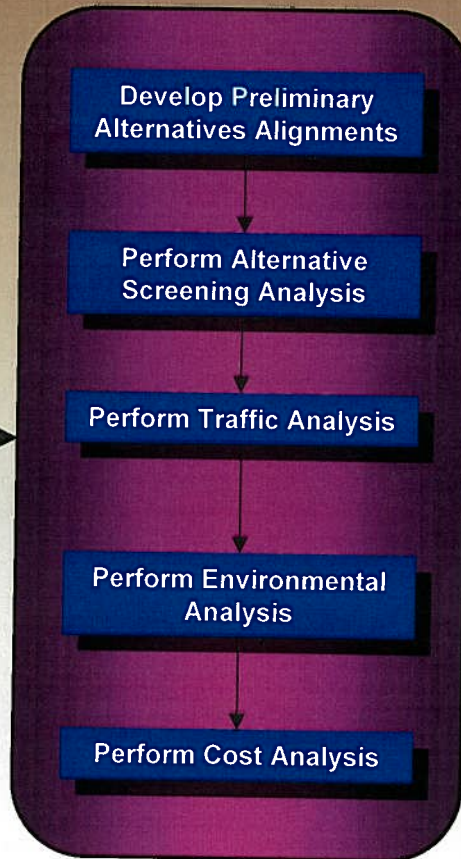
# Project Process

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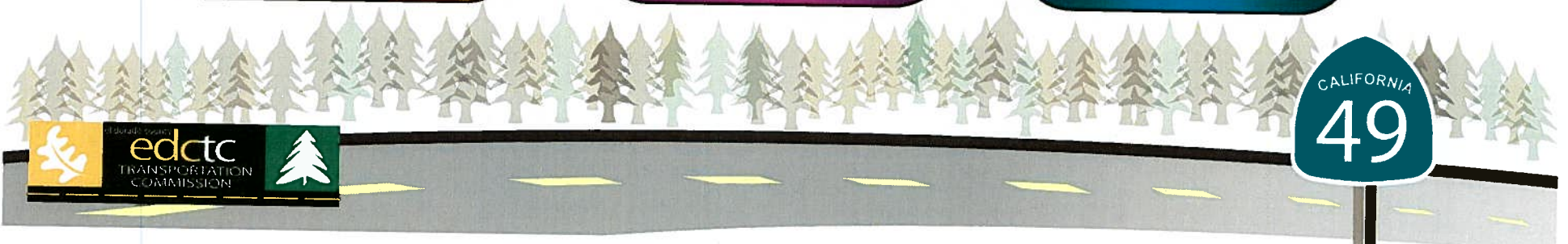
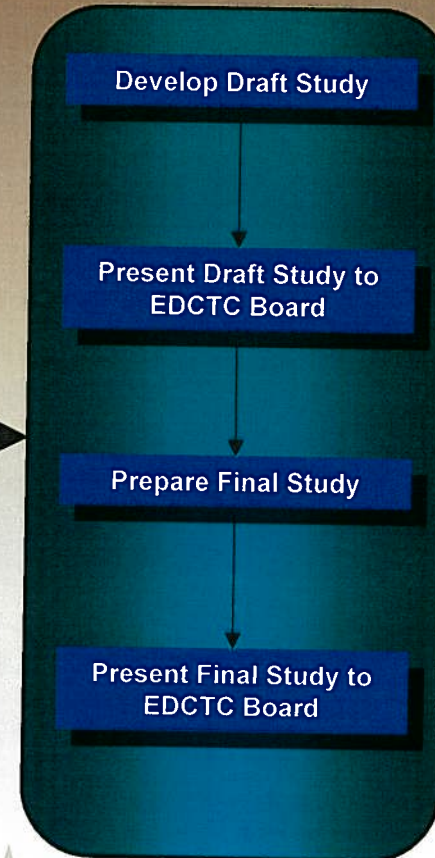
## PURPOSE & NEED / SCREENING CRITERIA



## ALTERNATIVE ANALYSIS



## DOCUMENTATION

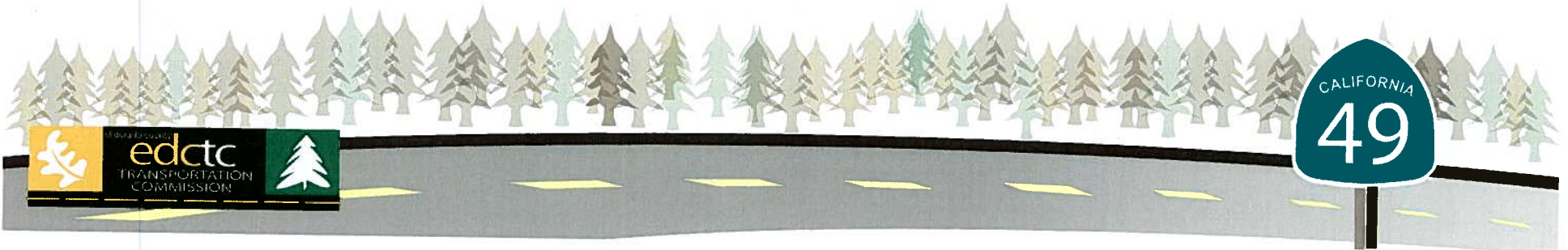




# Alternative Evaluation

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## LEVEL 1 SCREENING



# Alternative Evaluation

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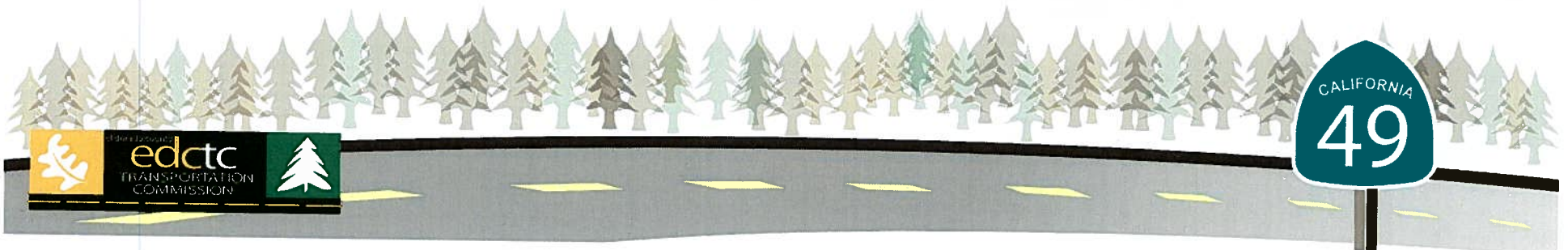
## LEVEL 1 SCREENING:

### Criteria:

- Meet Purpose & Need
- Constructability & Operationally Feasible

### Scoring:

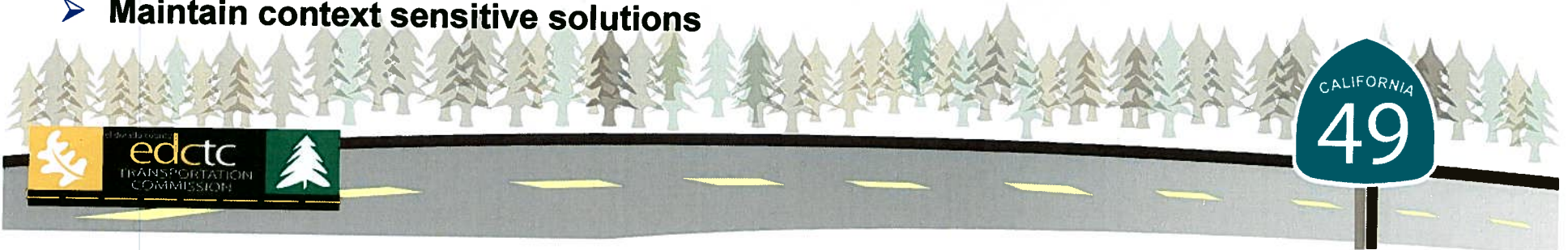
- “YES” of “NO”



# Alternative Evaluation

## Level 1 Screening Key Goals

- Improve traffic operations
- Improve interregional and regional conditions
- Ensure compatibility with General Plans
- Eliminate the existing alignment of SR 49 through MGDShp
- Eliminate the at-grade intersection of SR 49 and U.S. 50
- Reduce travel times
- Relieve SR 49 traffic impacts to residential & business districts of Placerville and Diamond Springs
- Minimize environmental impacts
- Reduce the amount of resources by the utilization of existing local roads
- Maximize multi-modal opportunities
- Improve safety
- Maintain context sensitive solutions

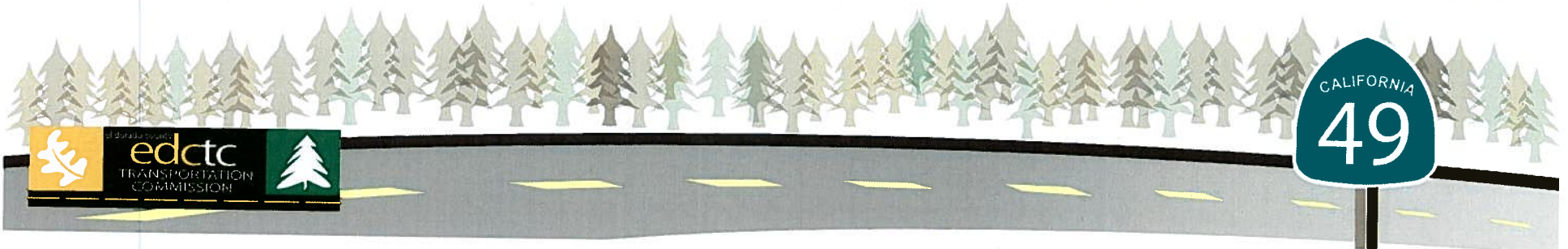


# Alternative Evaluation

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## LEVEL 1 SCREENING RESULTS:

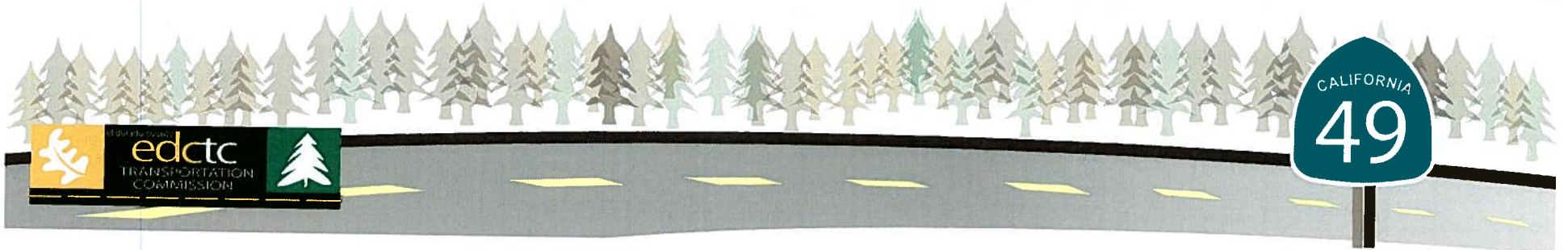
- **52 alternatives were evaluated**
- **10 alternatives recommended for advancement to Intermediate Level 1 Screening**



# Alternative Evaluation

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## INTERMEDIATE LEVEL 1 SCREENING



# Alternative Evaluation

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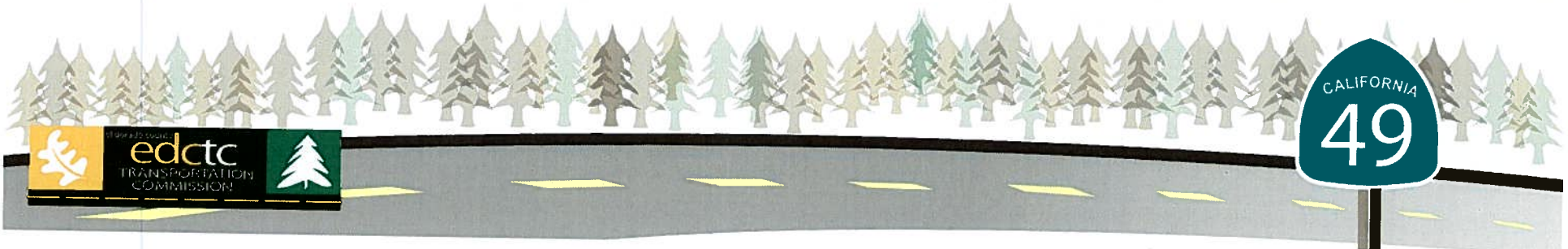
## INTERMEDIATE LEVEL 1 SCREENING:

### Criteria:

- Meet Purpose & Need

### Scoring: 1 to 4 (Weighted )

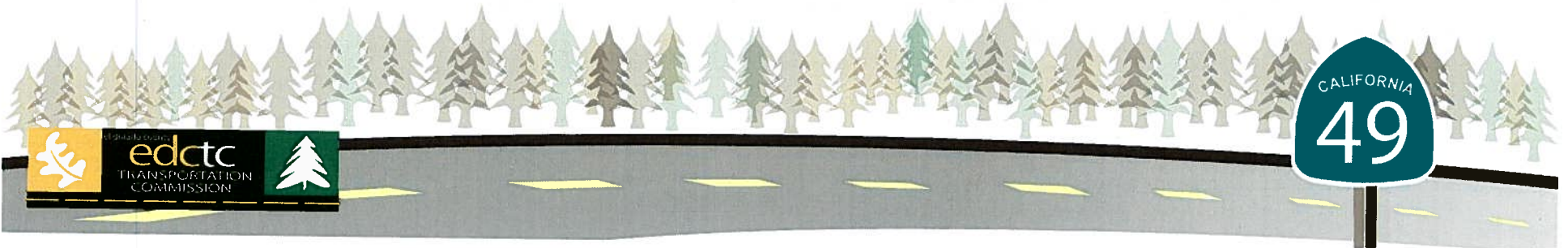
- 1 = No improvement or unacceptable impact
- 2 = Marginal improvement or high impact
- 3 = Acceptable improvement or moderate impact
- 4 = Substantial improvement or low impact



# Alternative Evaluation

## Intermediate Level 1 Screening Goals

- **Goal 1: Safe transport of goods and people (20%)**
- **Goal 2: Efficient transport of goods and people (15%)**
- **Goal 3: Improve accessibility of traffic between City of Placerville, Diamond Springs, and El Dorado (15%)**
- **Goal 4: Improve accessibility of traffic between Coloma and El Dorado (15%)**
- **Goal 5: Maximize the use of existing roads to minimize resources (15%)**
- **Goal 6: Minimize impacts to historic, cultural, and natural resources (5%)**
- **Goal 7: Ensure compatibility with land uses identified in GPs of the El Dorado County, City of Placerville, and the Marshall Gold Discovery State Historic Park (15%)**

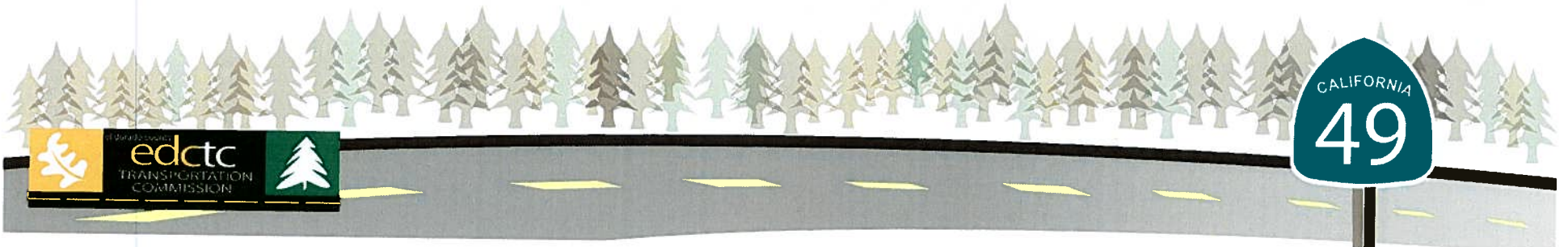


# Alternative Evaluation

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## INTERMEDIATE LEVEL 1 SCREENING RESULTS:

- 10 alternatives were evaluated
- 3 alternatives recommended for advancement to Level 2 Screening
- Alternatives 3E, 5G, and 5H.





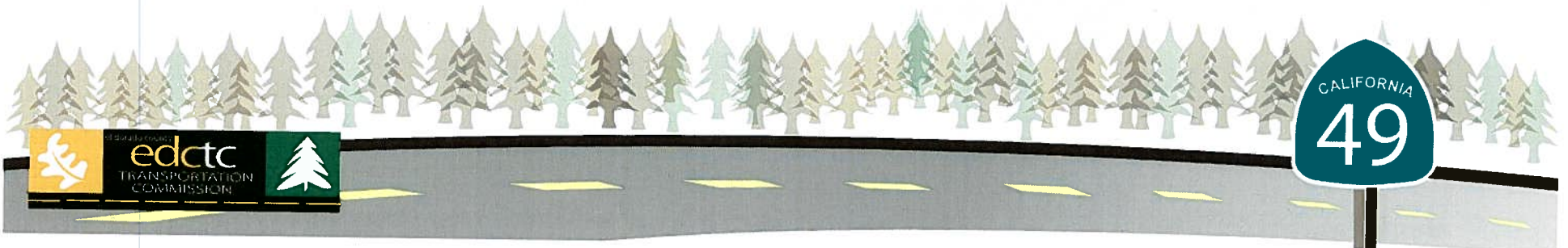
# Alternative Evaluation

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INTERMEDIATE  
LEVEL 1 SCREENING

## Alternative 3E:

- **Begin: Lotus Rd / SR 49 Intersection**
- **Lotus Rd to Green Valley Rd**
- **Green Valley Rd to Missouri Flat Rd**
- **Missouri Flat Rd to SR 49 (Pleasant Valley Rd)**
- **End: SR 49 (Pleasant Valley Rd) / SR 49 intersection in El Dorado**



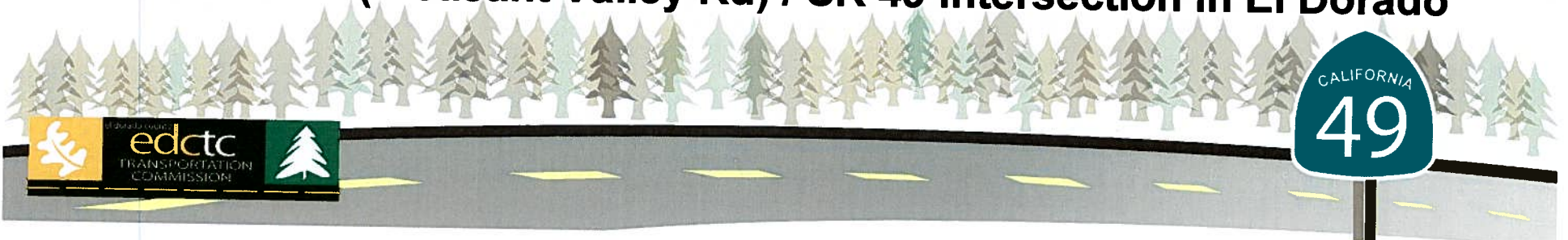
# Alternative Evaluation

## Alternative 5G:

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INTERMEDIATE  
LEVEL 1 SCREENING

- **Begin: Lotus Rd / SR 49 Intersection**
- **Lotus Rd to Gold Hill Rd**
- **Gold Hill Rd to Cold Springs Rd to Pierroz Rd**
- **Pierroz Rd to Placerville Dr to Ray Lawyer Dr**
- **Ray Lawyer Dr to Ray Lawyer Dr Extension**
- **Ray Lawyer Dr Extension to SR 49**
- **SR 49 to Diamond Springs Parkway**
- **Diamond Springs Parkway to Missouri Flat Rd**
- **Missouri Flat Rd to SR 49 (Pleasant Valley Rd)**
- **End: SR 49 (Pleasant Valley Rd) / SR 49 intersection in El Dorado**



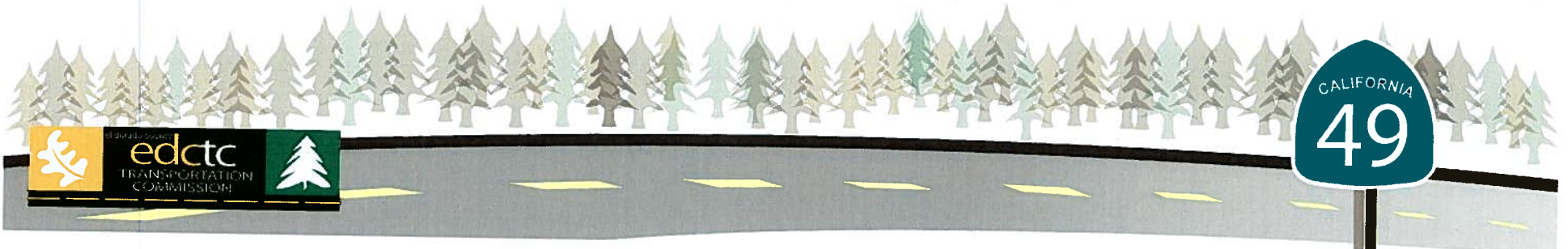
# Alternative Evaluation

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INTERMEDIATE  
LEVEL 1 SCREENING

## Alternative 5H:

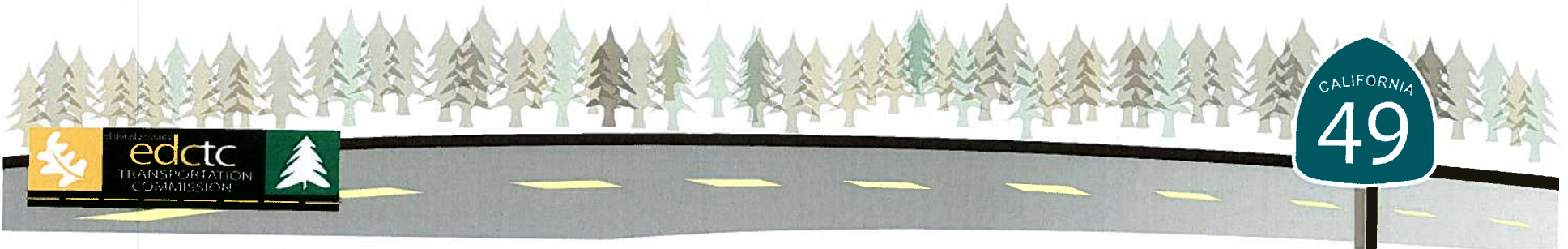
- **Begin: Lotus Rd / SR 49 Intersection**
- **Lotus Rd to Gold Hill Rd**
- **Gold Hill Rd to Cold Springs Rd to Pierroz Rd**
- **Pierroz Rd to Placerville Dr to Ray Lawyer Dr**
- **Ray Lawyer Dr to U.S. 50 (Ray Lawyer Dr Interchange)**
- **U.S. 50 to U.S. 50 (Missouri Flat Rd Interchange)**
- **Missouri Flat Rd to SR 49 (Pleasant Valley Rd)**
- **End: SR 49 (Pleasant Valley Rd) / SR 49 intersection in El Dorado**



# Alternative Evaluation

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## LEVEL 2 SCREENING



# Alternative Evaluation

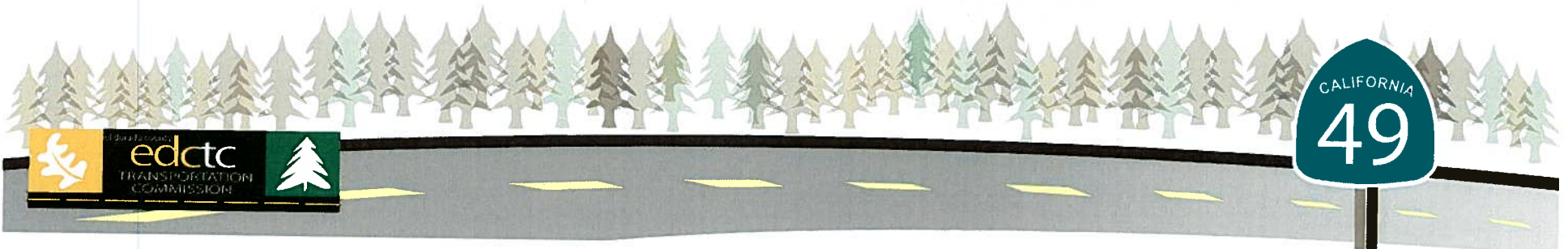
## LEVEL 2 SCREENING:

### Criteria:

- **Transportation Benefits**
- **Responsiveness to Environmental Goals**

### Scoring: 1 to 4

- **1 = No improvement or unacceptable impact**
- **2 = Marginal improvement or high impact**
- **3 = Acceptable improvement or moderate impact**
- **4 = Substantial improvement or low impact**



# Alternative Evaluation

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## LEVEL 2 SCREENING

### CRITERION 2A: TRANSPORTATION BENEFITS

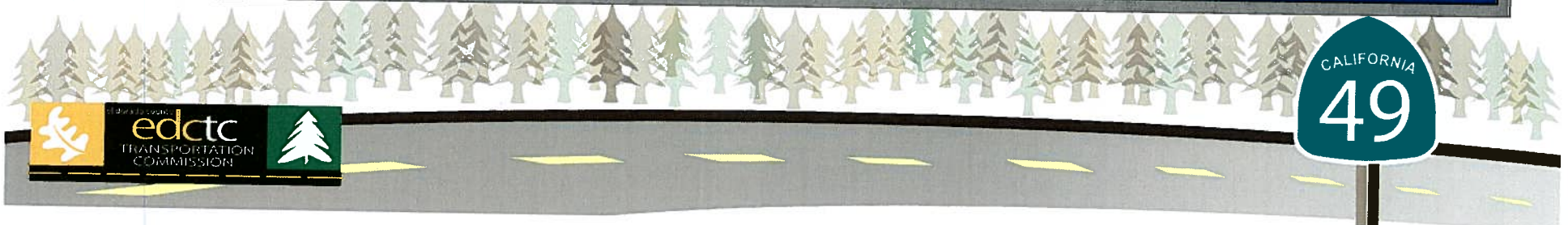
#### Goals:

- ▣ Improve Safety
- ▣ Improve interregional and regional traffic operations
- ▣ Reduce travel times
- ▣ Reduce vehicle-miles traveled
- ▣ Improve vehicular accessibility
- ▣ Relieve SR 49 traffic impacts to business districts in the area
- ▣ Relieve SR 49 traffic impacts to densely populated residential areas
- ▣ Utilization of existing local roads
- ▣ Maximize multi-modal opportunities

### CRITERION 2B: RESPONSIVENESS TO ENVIRONMENTAL GOALS

#### Goals:

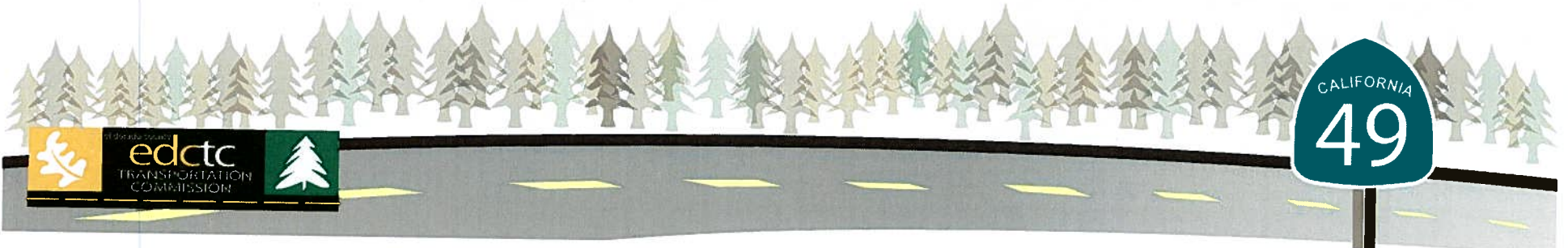
- ▣ Maintain visual integrity of the natural environment
- ▣ Maintain agricultural land uses
- ▣ Maintain air quality integrity of the natural environment
- ▣ Maintain ecological integrity of the natural environment
- ▣ Preserve historical properties
- ▣ Maintain geological integrity of the natural environment
- ▣ Maintain noise integrity of the natural environment
- ▣ Maintain transportation / circulation integrity of the environment
- ▣ Promote recreational opportunities



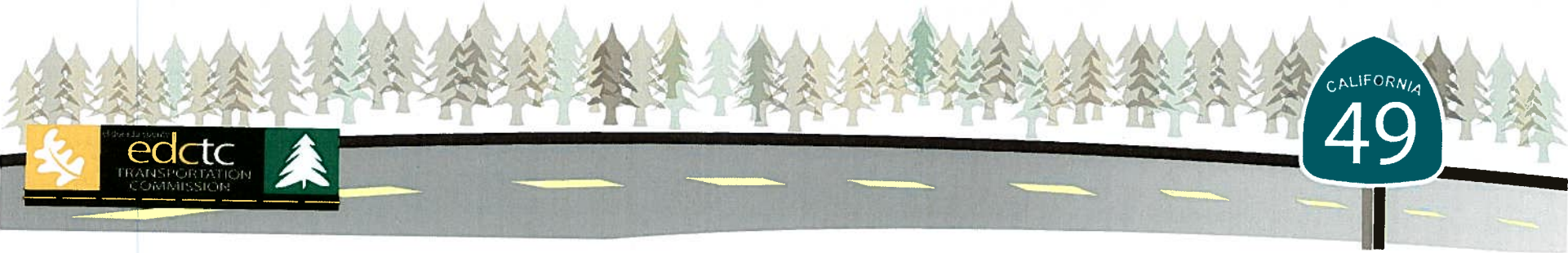
# Alternative Evaluation

## LEVEL 2 SCREENING RESULTS:

- Alternatives 3E, 5G, & 5H were evaluated
- Rank #1 – Alternative 5H (\$23.6 million)
- Rank #2 – Alternative 3E (\$17.4 million)
- Rank #3 – Alternative 5G (\$28.7 million)



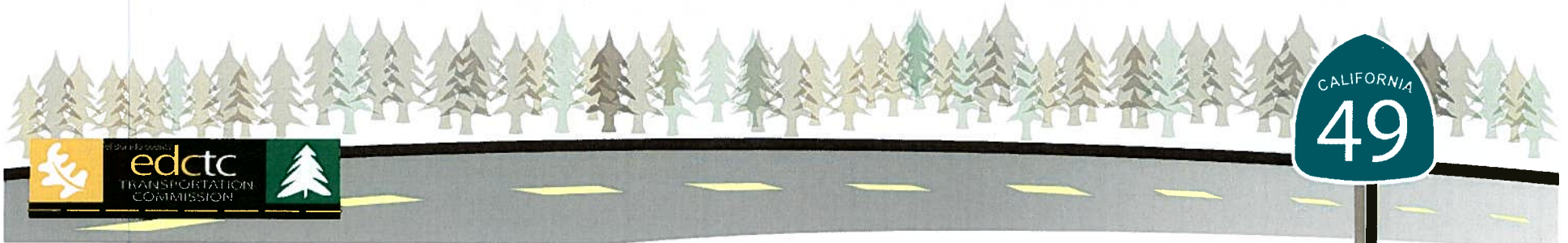
# Project Issues



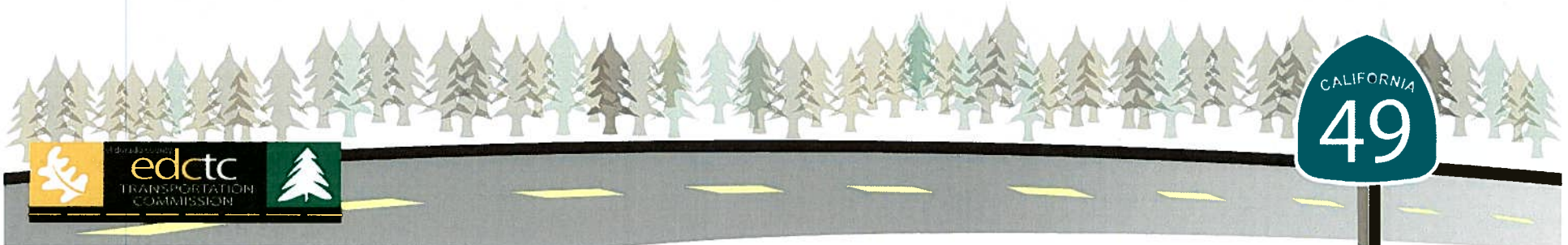


# Project Issues

- **Caltrans Design Requirements**
- **Existing SR 49 Relinquishment**
- **State Route Encroachments**
- **Marshall Gold Discovery State Historic Park General Plan**
- **Eliminated Alternatives**
- **Impacts to Business Districts**



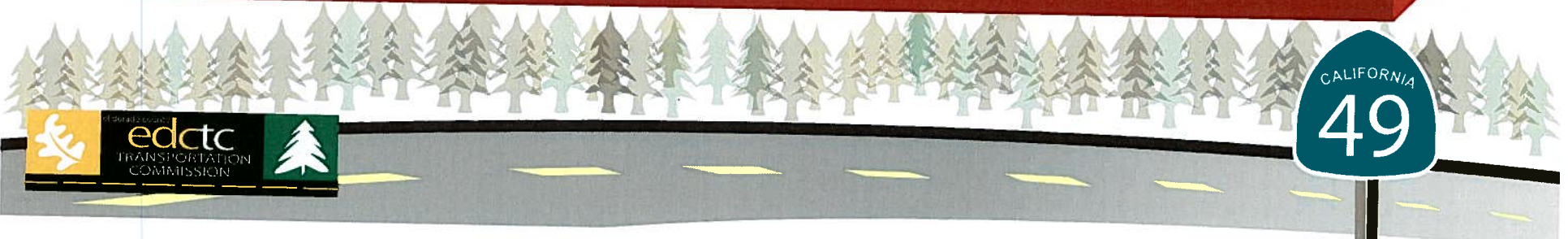
# Project Schedule



# Project Schedule

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- Project Began Jan 2009
- SAC Meetings 1 & 2 Feb 25 & Mar 30, 2009
- Public Information Meeting #1 Apr 30, 2009
- SAC Meetings 3, 4, 5, & 6 May 18, Jun 24, Jul 22, & Sep 28, 2009
- Public Information Meeting #2 Oct 14, 2009
- Present Alternatives to EDCTC Board Nov 5, 2009
- Present Alternatives to EDC Board of Supervisors & Placerville City Council Dec 8, 2009
- Present Draft SR 49 Realignment Study to EDCTC Board Feb 2010
- Present Final SR 49 Realignment Study to EDCTC Board Mar 2010



# Questions?

