



SR-4 Wagon Trail Realignment Project

Community Workshop Meeting

November 19, 2009

6:00 pm - 8:00 pm



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Tonight's Agenda

- Welcome and Introductions
- Overview of the Approval Process
- Community Outreach Process
- Overview of the State Route 4 Wagon Trail Realignment Project
- Questions and Answers



Project Team

- Project Team Members
 - Calaveras Council of Governments (CCOG)
 - Caltrans
 - RBF Consulting Team
 - Community Members – Please sign in



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Why are we here tonight?

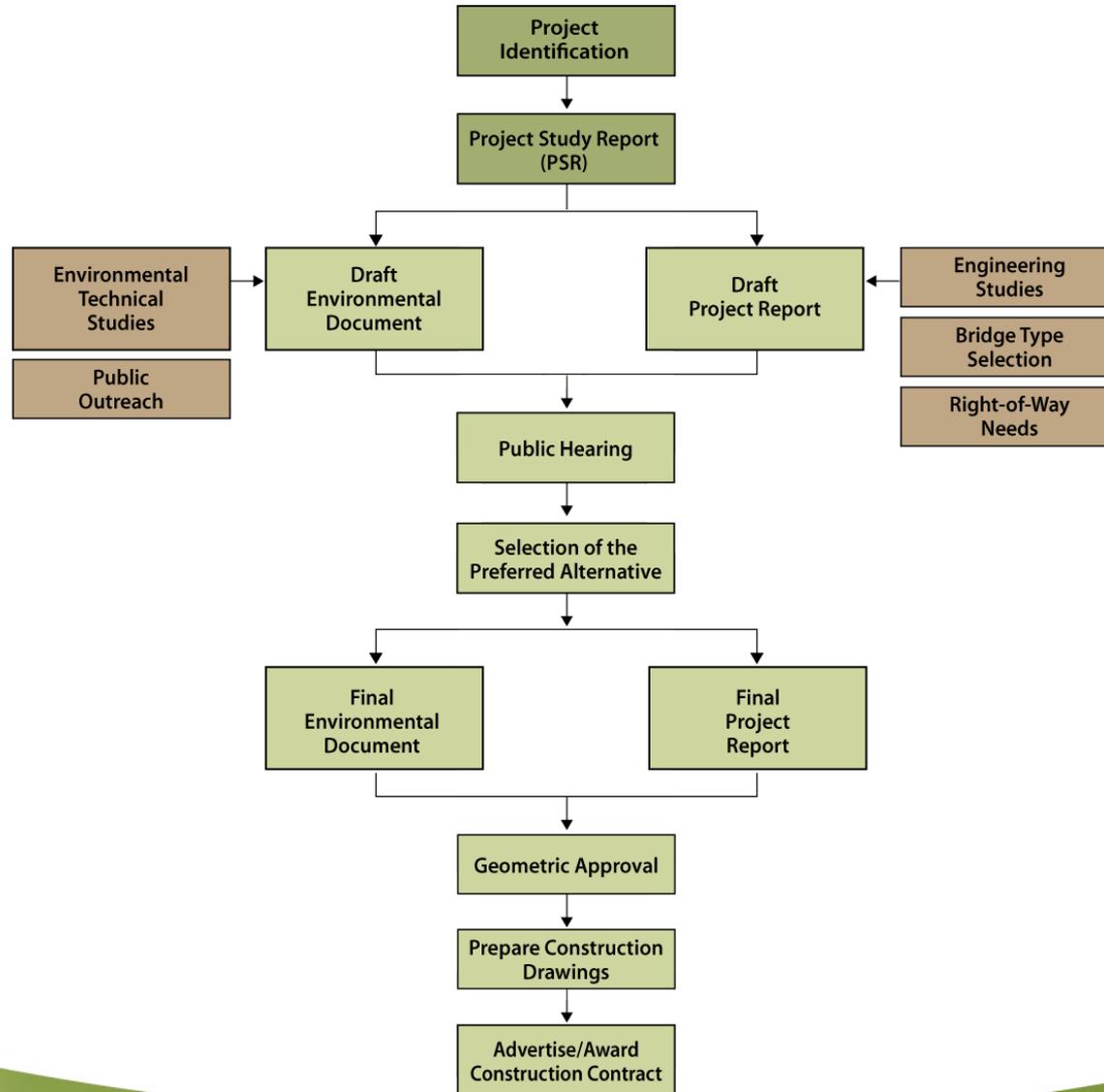
- **Community Workshop #1:**
 - ✓ *Discuss Potential Corridors*
 - ✓ *Identify Project Issues*
 - ✓ *Explore Opportunities*
 - ✓ *Document Community Values*
 - ✓ *Discuss Project Constraints*



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Project Approval Process



The Environmental Approval Process



- **Phase 1**: Opportunities and Issues Identification
- **Phase 2**: Development of Project Alternatives
- **Phase 3**: Preparation of the Draft Environmental Document
- **Phase 4**: Approval of the Environmental Document





Phase 1: Opportunities and Issues Identification

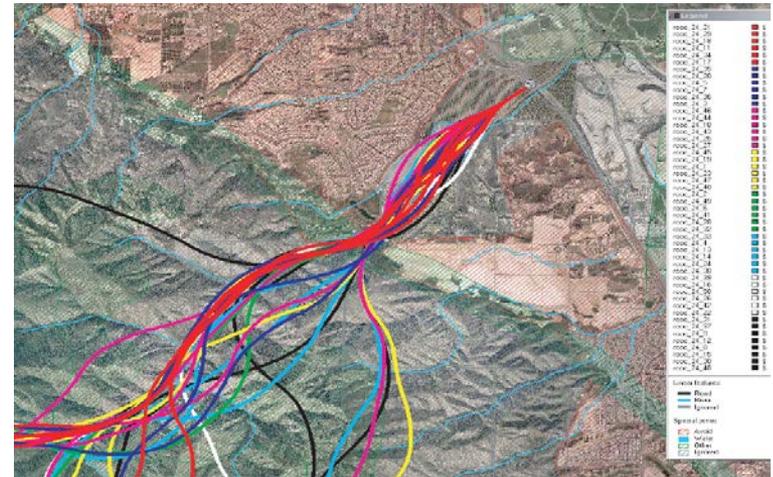
- Review existing information
 - Topography maps and County records
 - Site visits and field observations
 - Concept drainage assessment
 - Identify utility locations
 - Assess existing access points
 - Review available record information



Phase 2: Development of Project Alternatives



- Develop potential highway corridors to accommodate the best alignment
- Quantum Design Software will analyze alternatives



Example only





Phase 3: Preparation of the Draft Environmental Document

- Detailed analysis of the preferred corridors and alignments
- Technical studies to analyze and support the probable alignments
- Public Hearing
- Selection of the preferred alternative



Phase 4: Approval of Environmental Document

- Prepare Final Reports
- Formal approval of the Environmental Document by Caltrans



Community Outreach Process



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Community Involvement Principles

- *Meaningful*
- *Inclusive & Accessible*
- *Transparent*
- *Educational*
- *Diverse*
- *Active Listening*
- *Encourages Dialogue*
- *Fun*



Workshop Overview

- **Community Workshop #1:**

- ✓ *Discuss Potential Corridors*
- ✓ *Identify Project Issues*
- ✓ *Explore Opportunities*
- ✓ *Document Community Values*
- ✓ *Discuss Project Constraints*



During this workshop, participants will have the opportunity to review and discuss the preliminary project alternatives or corridors through a number of fun, interactive exercises.



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Workshop Overview

- **Community Workshop #2:**
 - ✓ *Review Refined Project Alternatives*
 - ✓ *Back Check with Community Values*
 - ✓ *Discuss new Community Concerns*



During this workshop, the Design Team will present refined alignments within the corridors discussed at Community Workshop #1. Participants will work in small groups to evaluate each of the proposed alternatives.



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Workshop Overview

- **Community Workshop #3:**
 - ✓ *Review Draft Project Alternatives*
 - ✓ *Back Check Community Values*
 - ✓ *Discuss alignments that will be carried forward through the environmental approval process*



During this workshop, the refined alignments will be shared with the community. Participants will have the opportunity to comment on each of the alignments before they are carried forward into the environmental review process.



Workshop Overview

- **Community Workshop #4:**
 - ✓ *Presentation of Final Roadway Alignments*



During this workshop, the final proposed roadway alignments will be shared with the community.



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Public Hearing

- Approval of the Environmental Document and Project Report by Caltrans



Community Workshop #1

- **Review Compiled Project Information**
- **Review Design Criteria to Evaluate Alternatives**
 - ✓ **Quantm design tool**
 - ✓ **Design criteria (engineering design standards)**
 - ✓ **Design criteria (environmentally based)**
 - ✓ **Design criteria (community input)**



Project Information and Design Criteria

Engineering

Steep Terrain
Design Standards
Geological Conditions
Road Connections

Environment

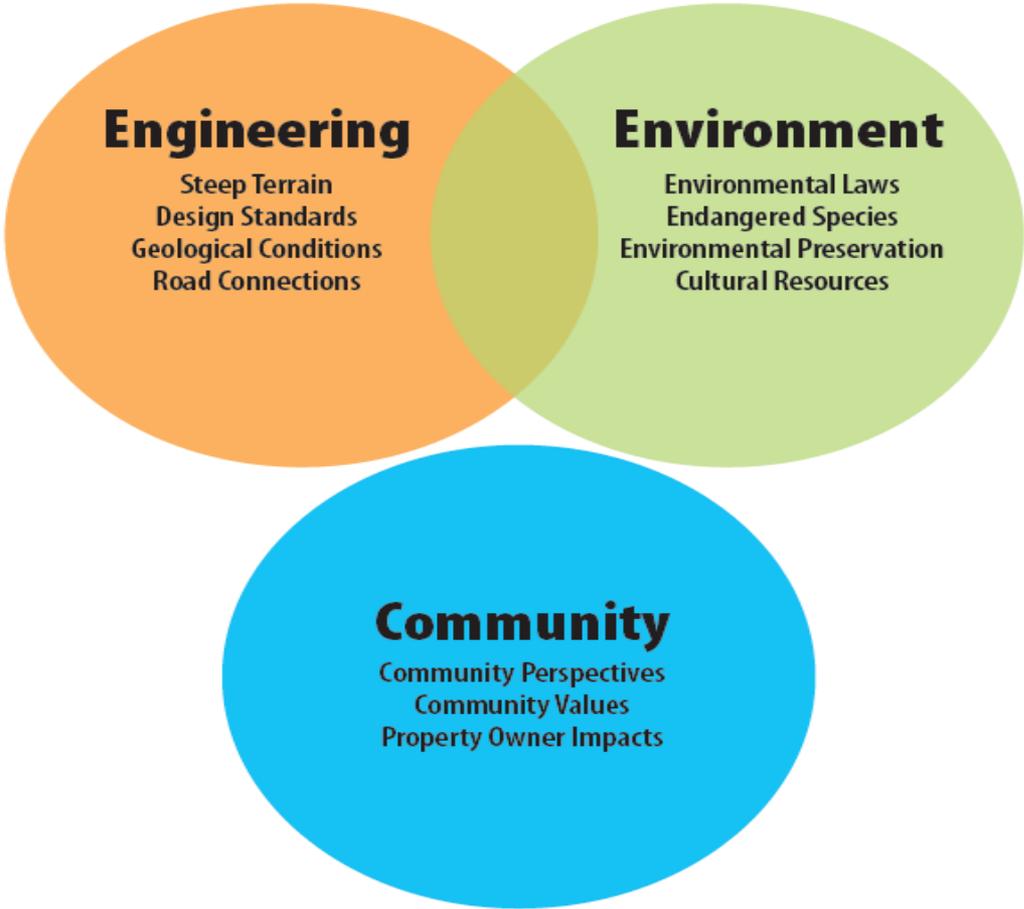
Environmental Laws
Endangered Species
Environmental Preservation
Cultural Resources

Community

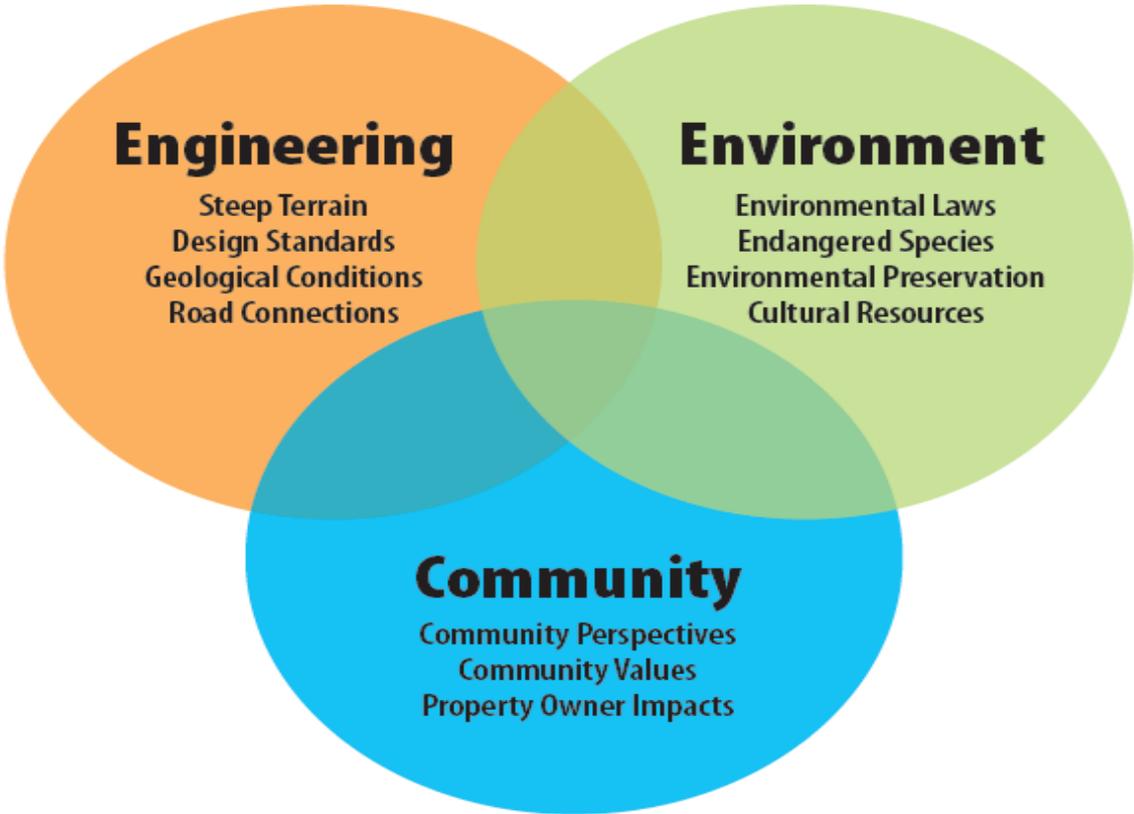
Community Perspectives
Community Values
Property Owner Impacts



Project Information and Design Criteria



Project Information and Design Criteria



Community Workshop #1

- **Document Community Design Criteria**
 - ✓ **Gateway into the community**
 - ✓ **Preservation of community character**
 - ✓ **New roadway alignment along existing alignment**
 - ✓ **Design speed**
 - ✓ **Bridges vs. culverts**
 - ✓ **Roadway cross section (how wide is the roadway?)**



Overview of the State Route - 4 Wagon Trail Realignment Project



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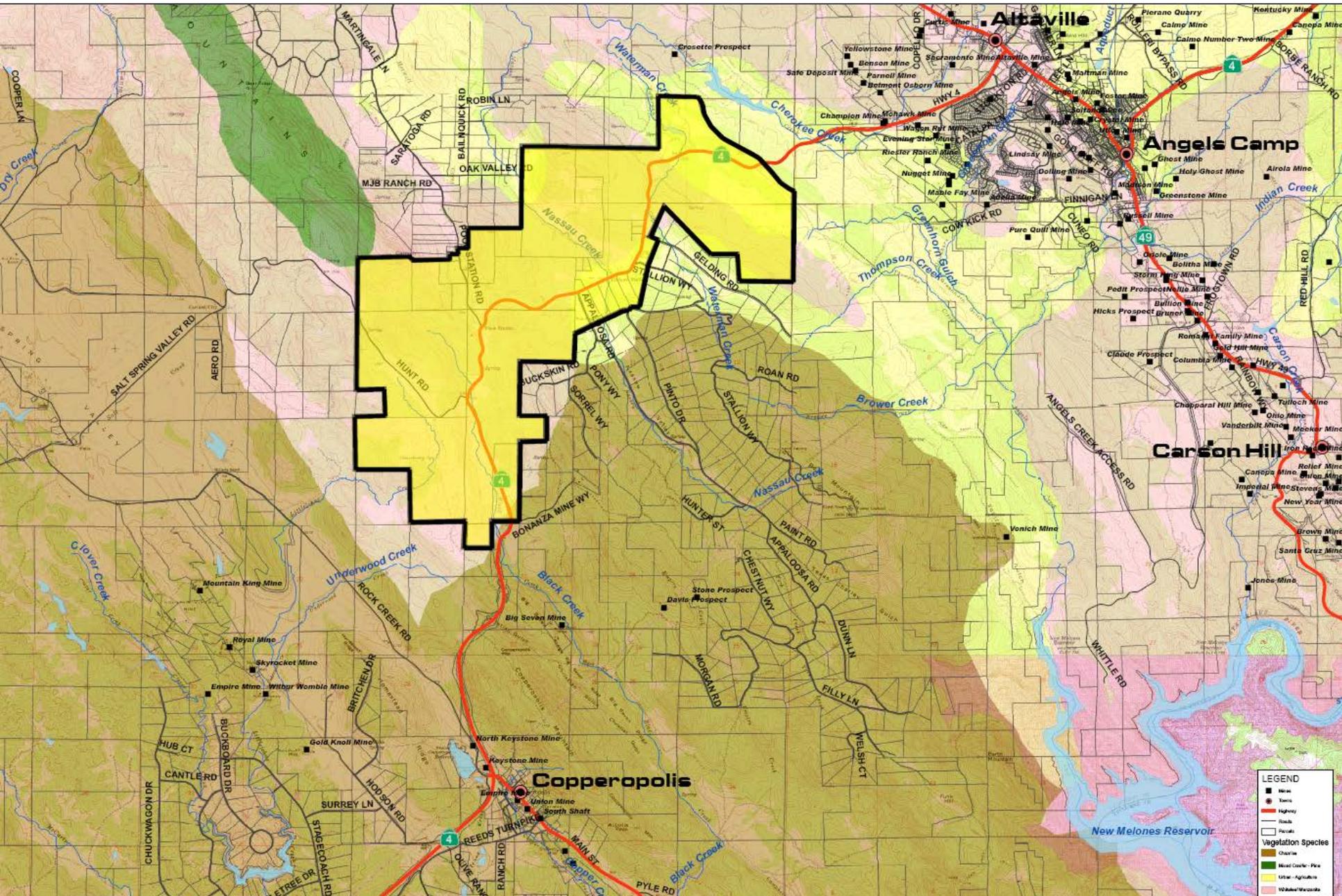


Project Introduction

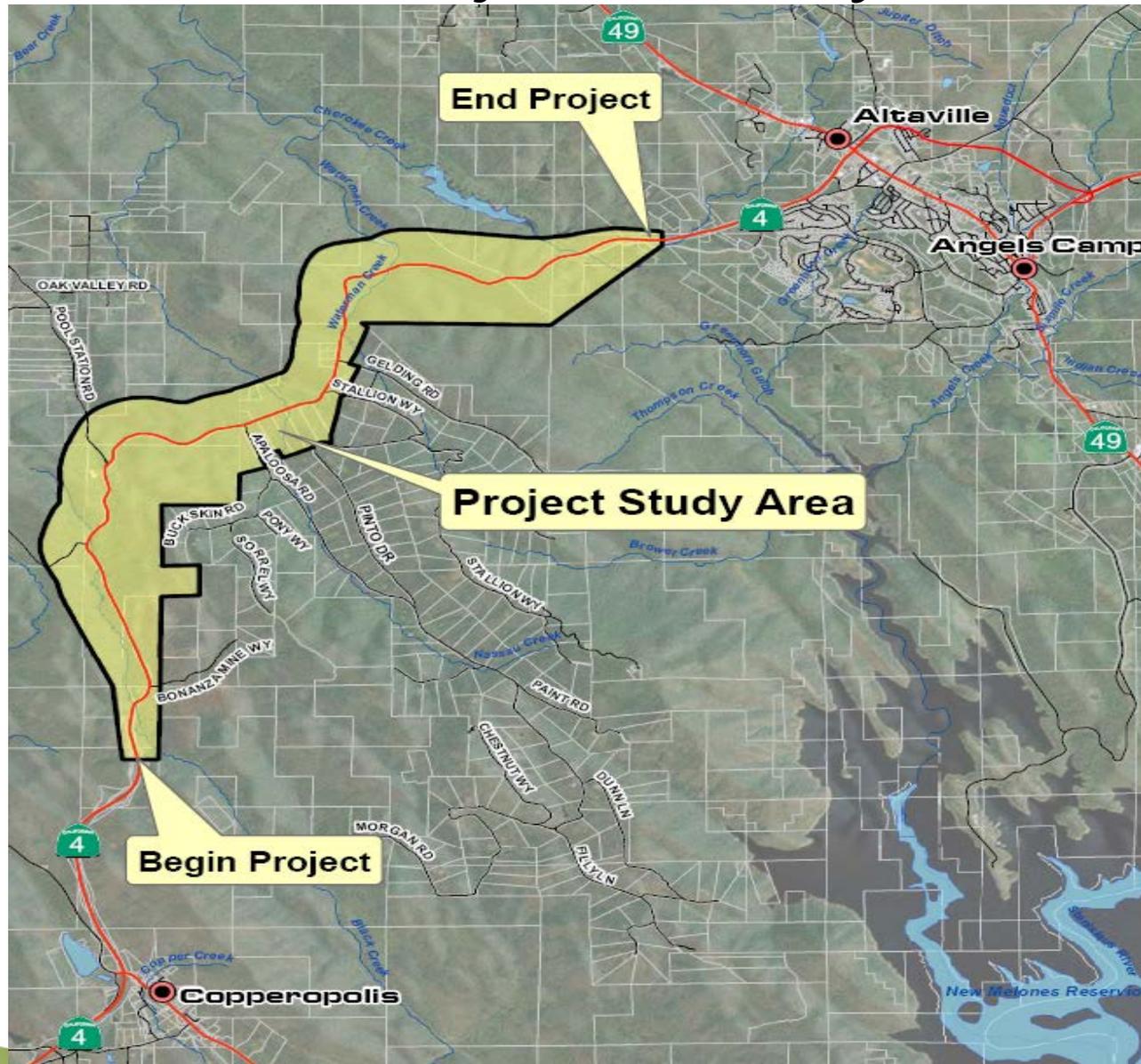
- State Route - 4 Improvements -
Copperopolis to Angels Camp
 - Operational and Safety Improvements
 - Evaluation of Existing Alignment
 - Evaluation of Possible Alignments



Initial Project Study Area



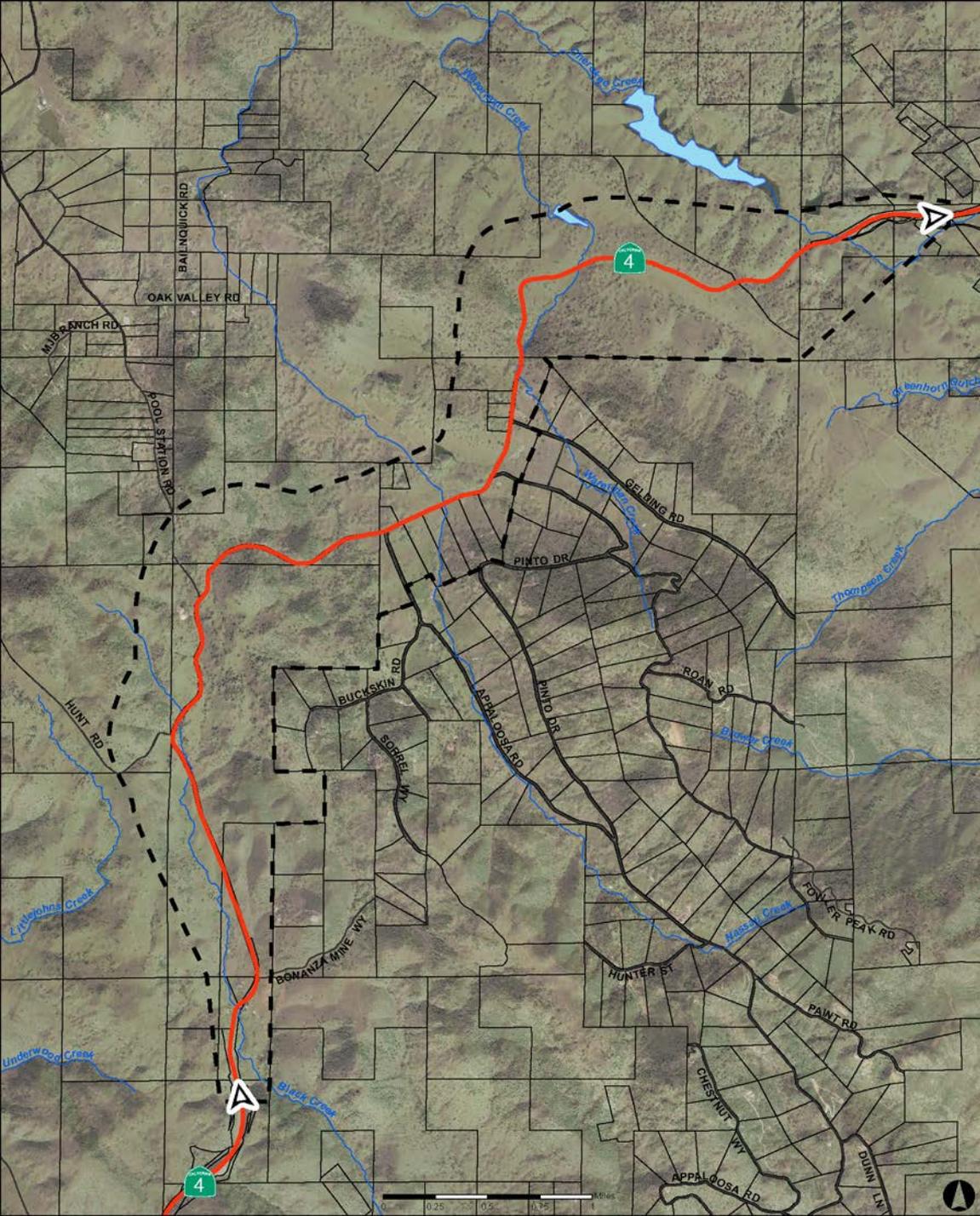
Current Project Study Area



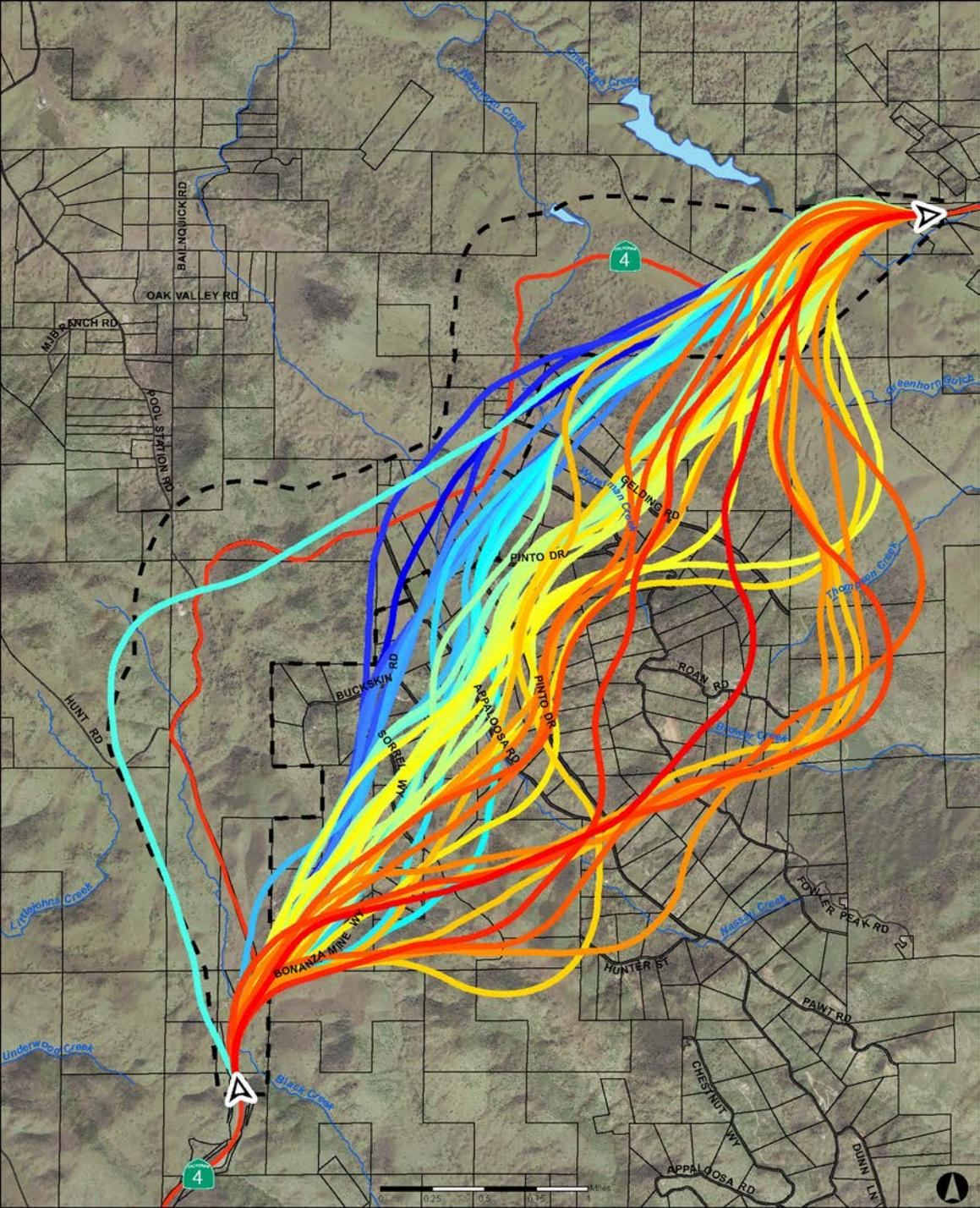
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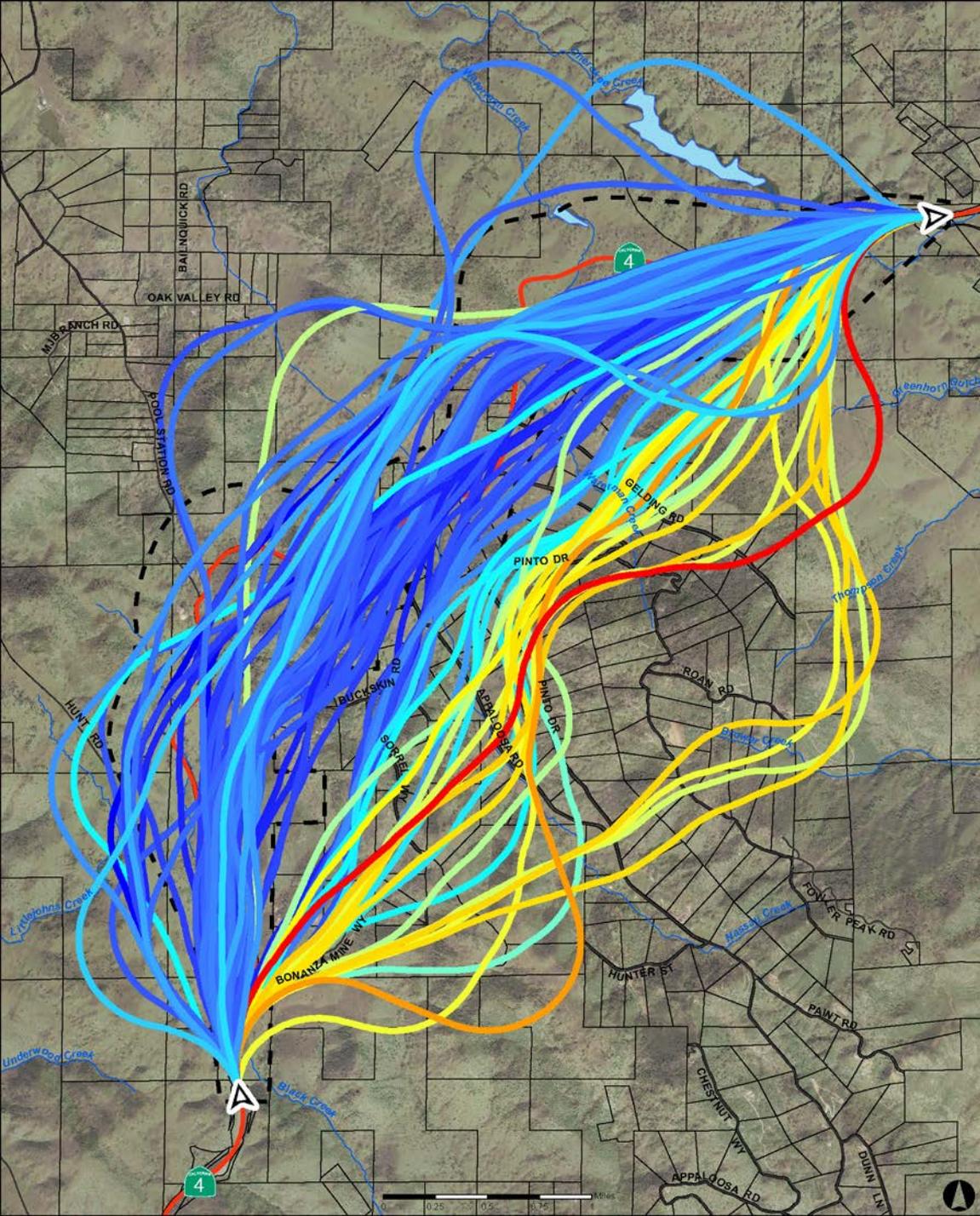
Existing Study Area



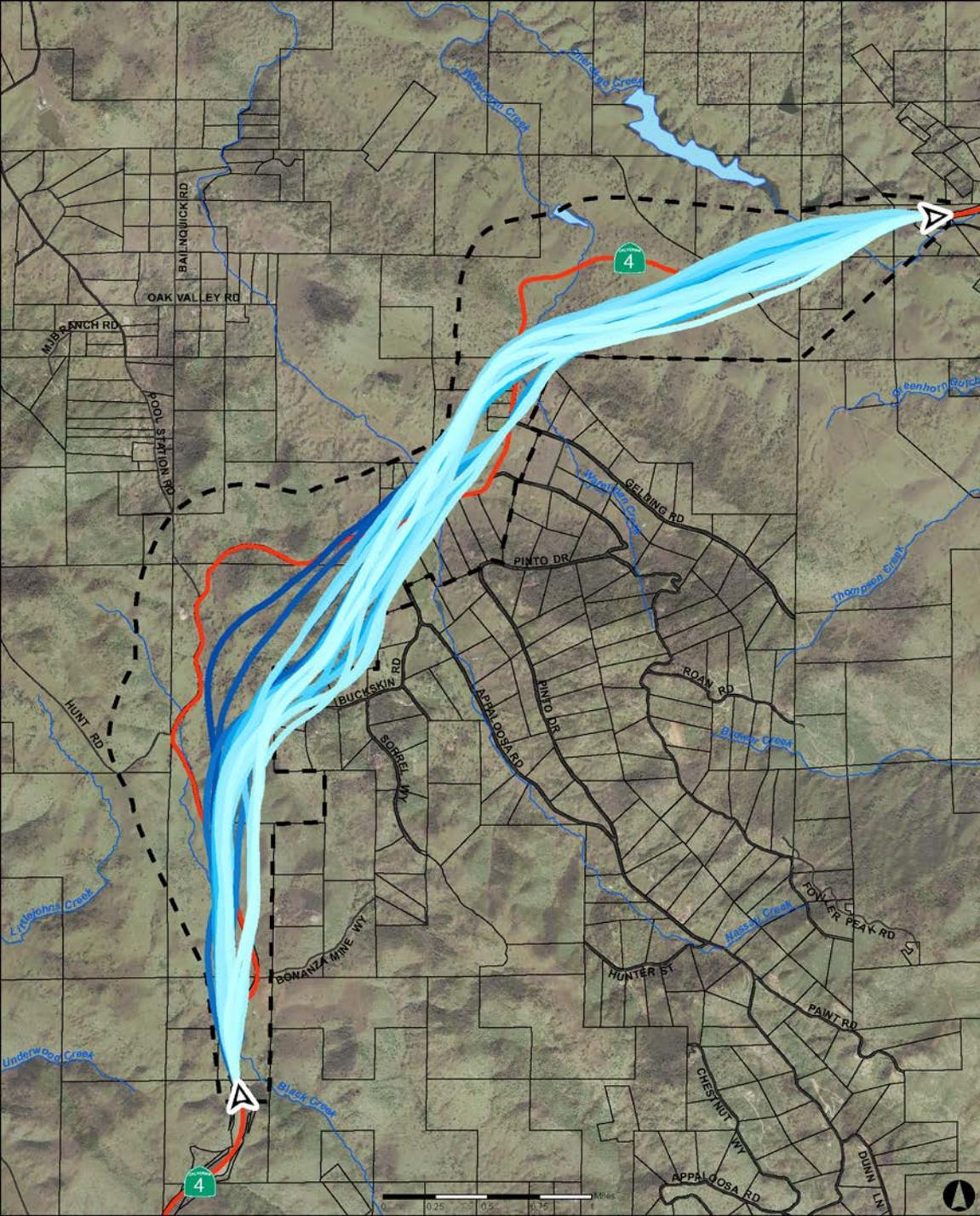
Unconstrained Alignments



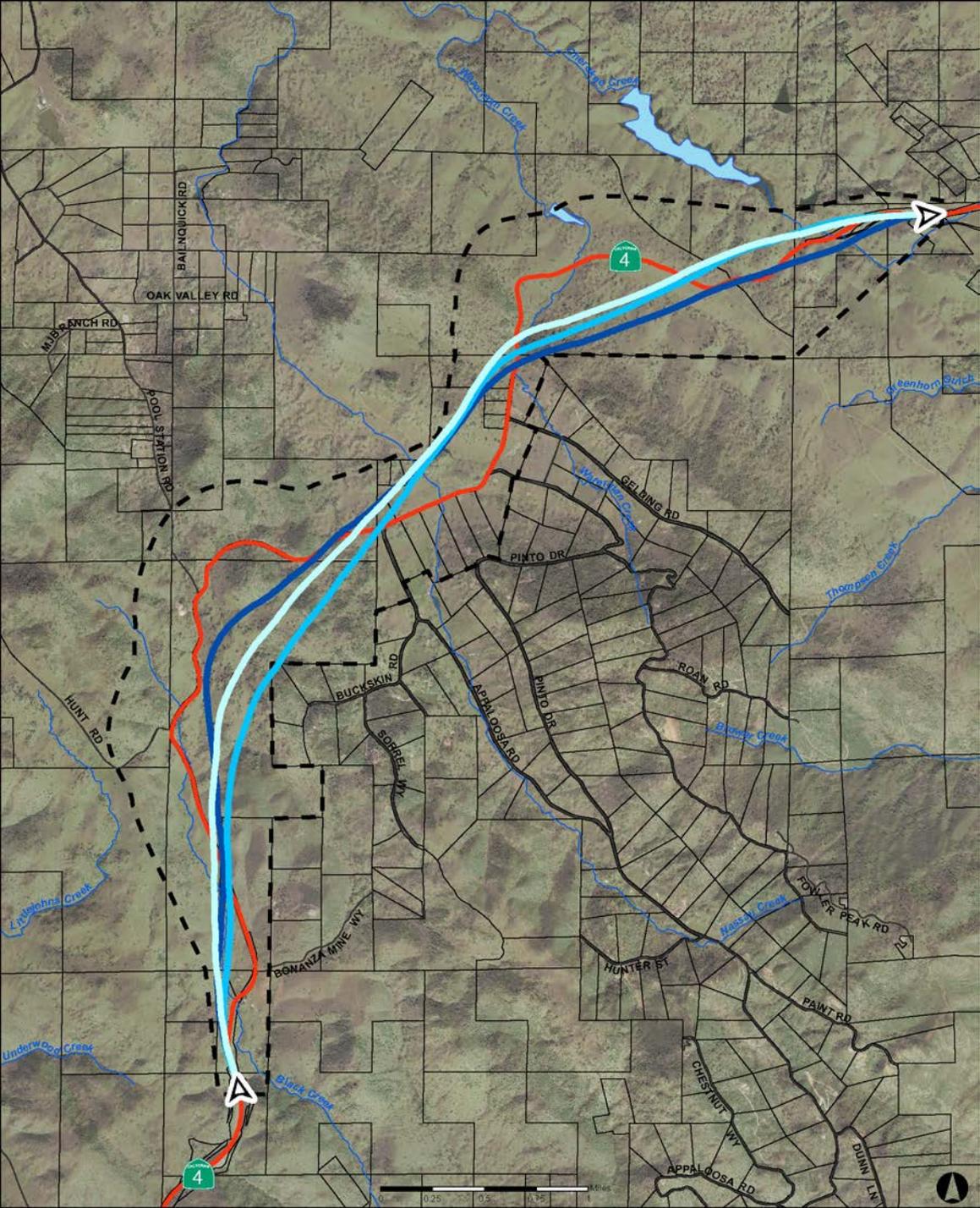
All Alignments



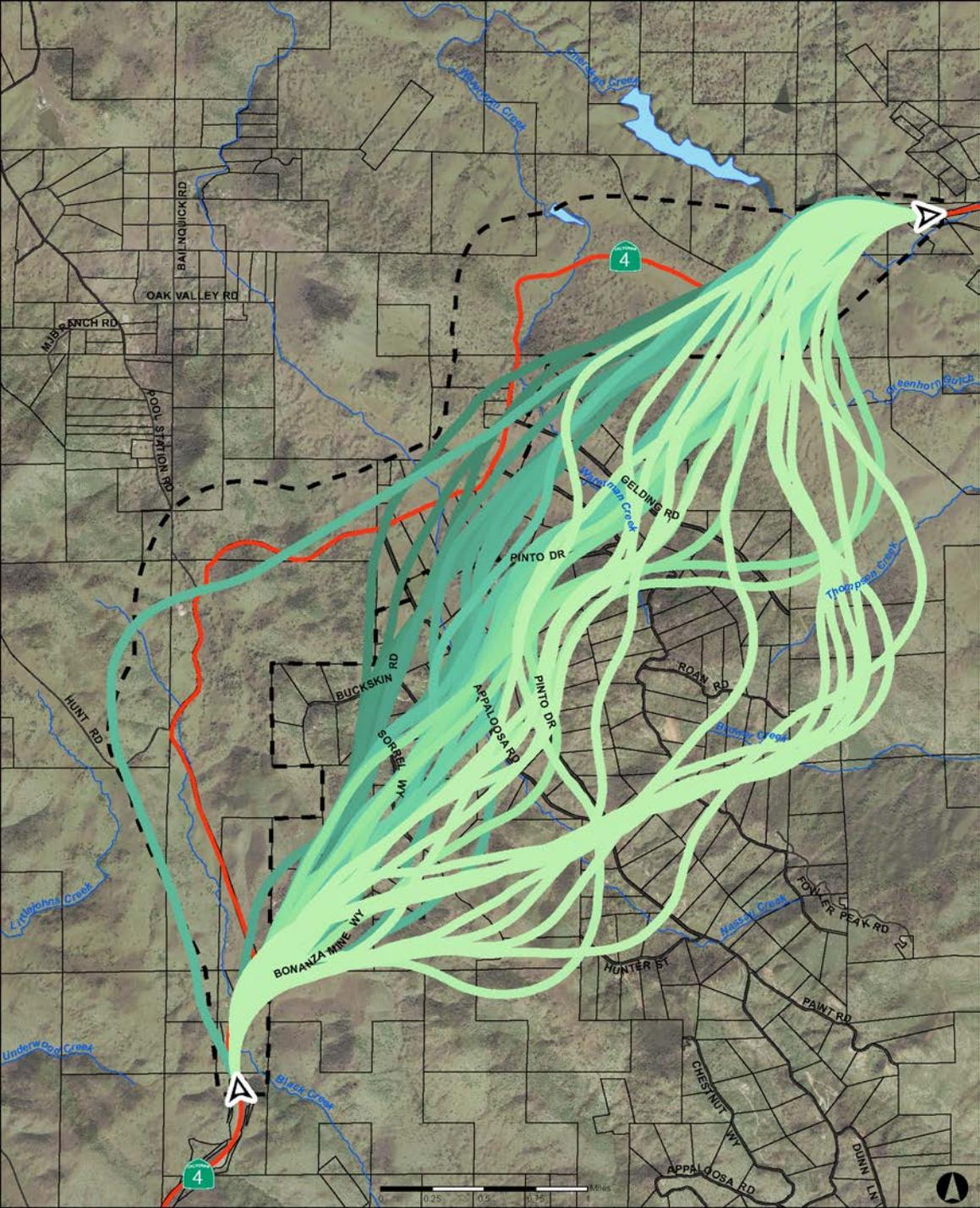
Alignments Generally Confined to the Project Study Area



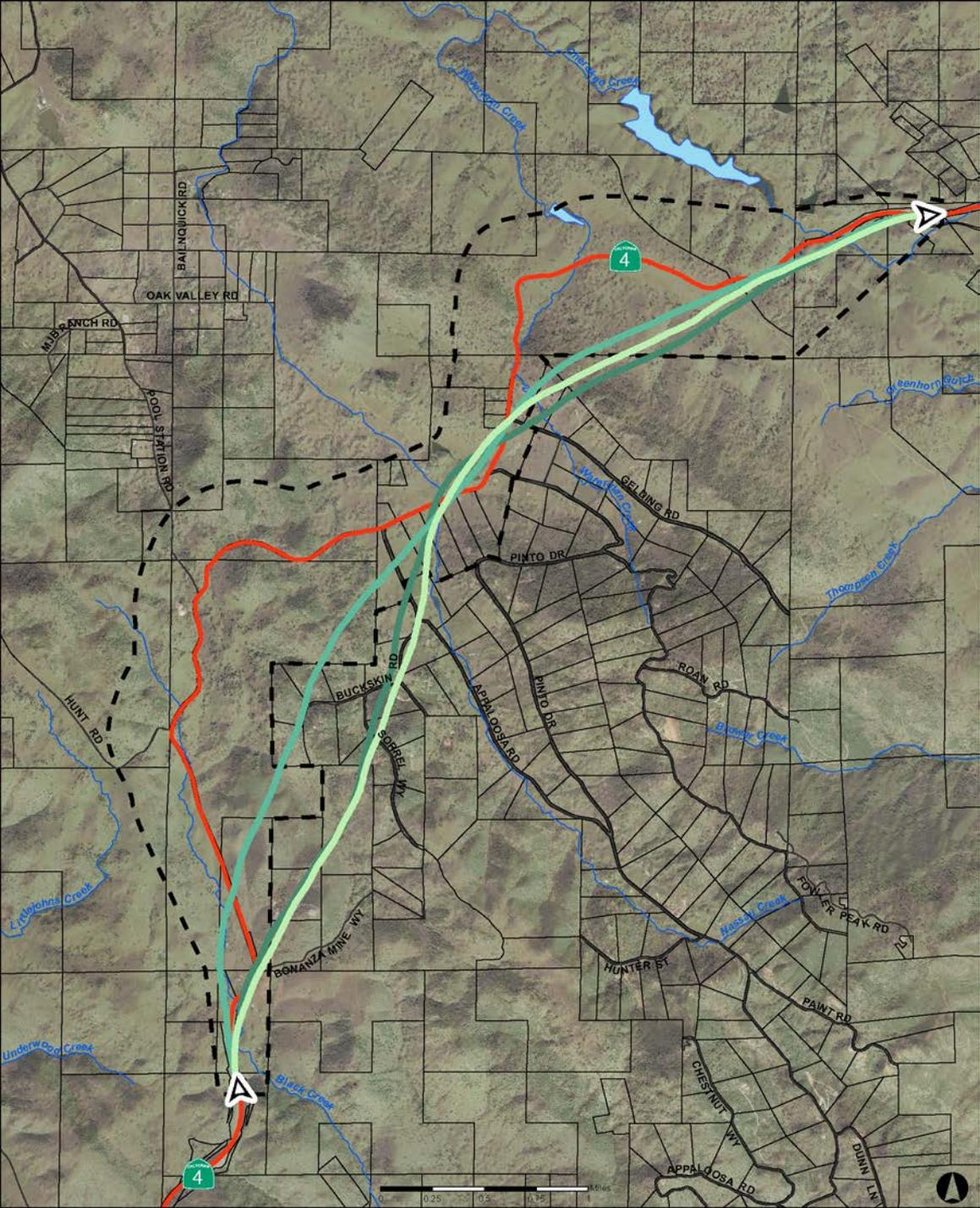
The Three most Economical Alignments within the Study Area



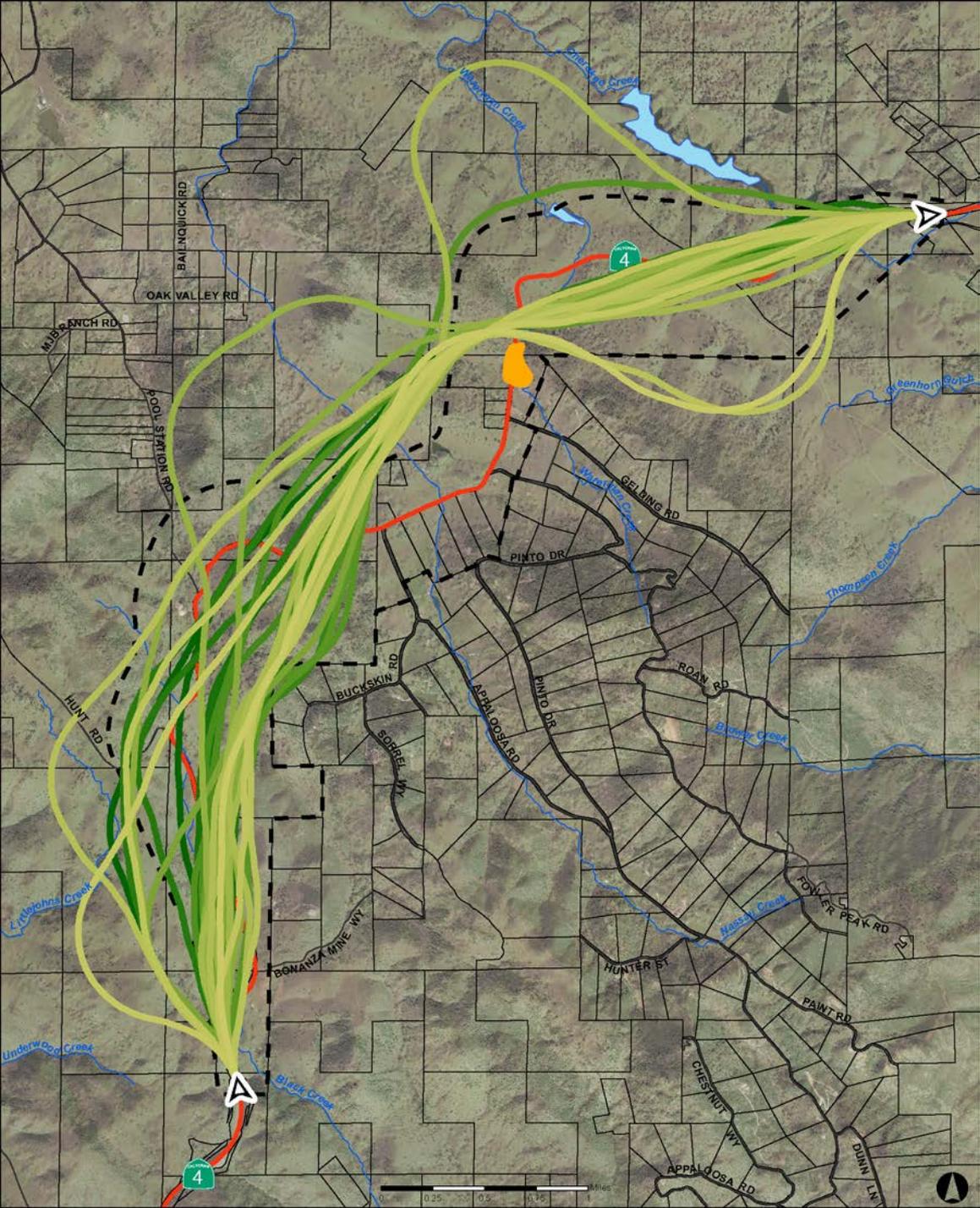
Alignments without Constraints



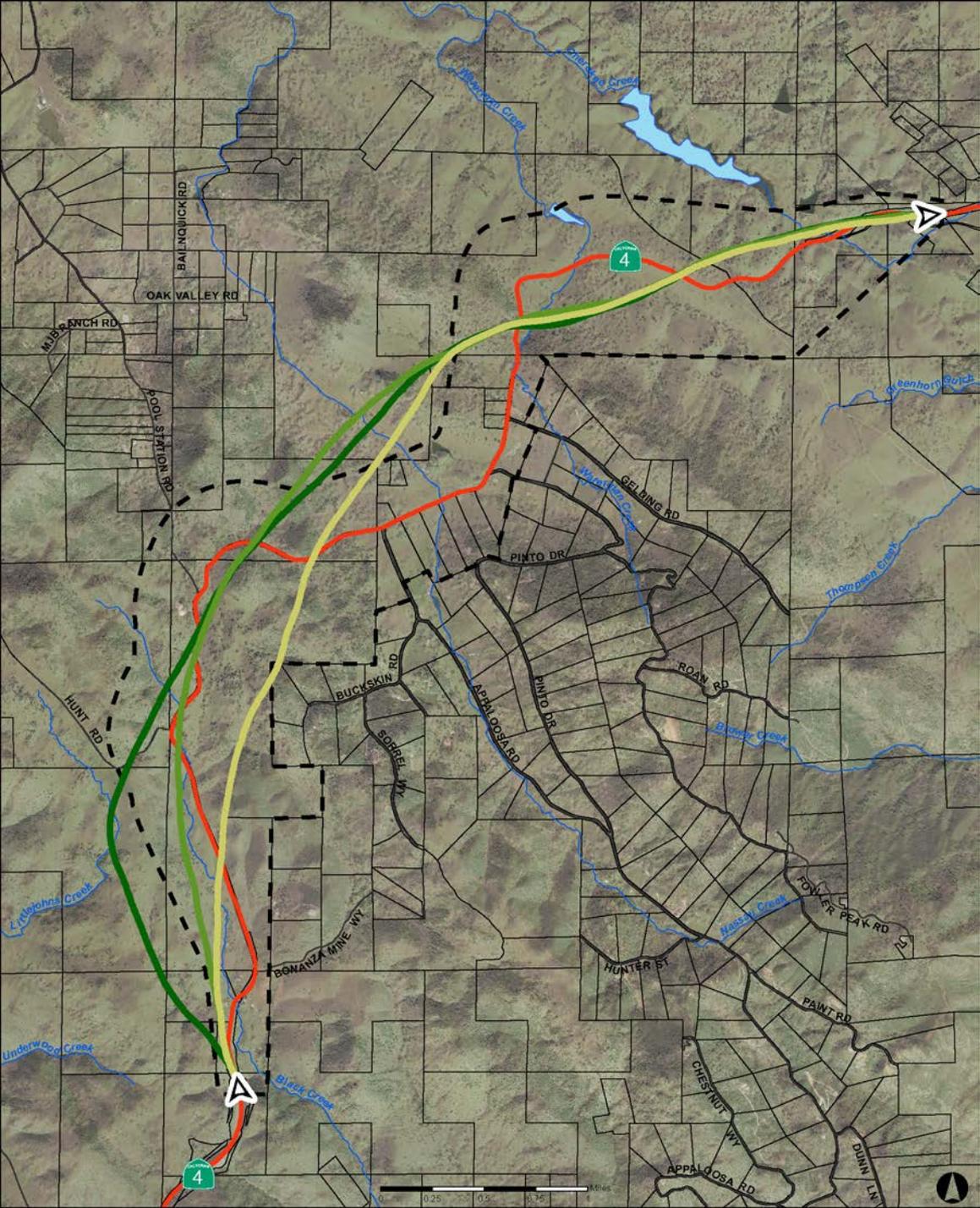
The Three most Economical Alignments Using the Unconstrained Condition



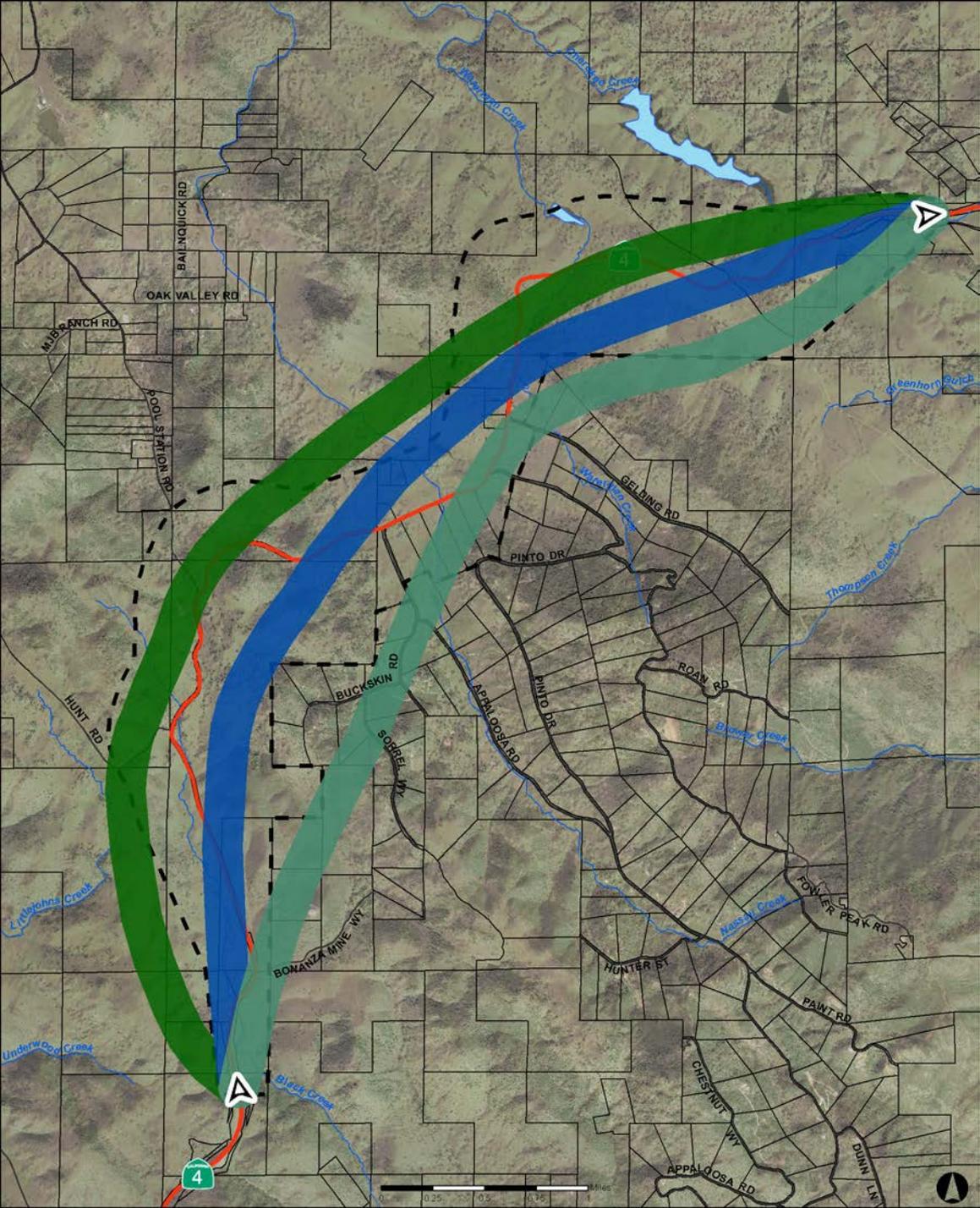
Alignments Forced to the North Around an Environmental Resource



The Three most Economical Alignments Forced to the North



Northern, Middle, and Southern Corridors



Corridor A



KEY FEATURES:

- Generally follows existing State Route 4

ADVANTAGES:

- Minimize right of way acquisitions
- Construction cost estimates are reasonable
- Minimize impacts to adjacent private property owners

DISADVANTAGES:

- Challenging stage construction
- Several known environmentally protected resources

PREFERENCE SURVEY

Place a dot sticker along the survey scale below to share your opinion on this concept



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Corridor B



KEY FEATURES:

- Unconstrained alignment – easiest to construct

ADVANTAGES:

- Shortest alignment between the join points
- Construction cost estimates are reasonable
- Constructing in previously impacted areas

DISADVANTAGES:

- Alignments cross through the existing residential neighborhood
- Right of way costs will be more than a northerly alignment

PREFERENCE SURVEY

Place a dot sticker along the survey scale below to share your opinion on this concept



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Corridor C



KEY FEATURES:

- Alignment forced to the north away from residential neighborhood

ADVANTAGES:

- Minimize impacts to private property owners
- Avoids a challenging resource area

DISADVANTAGES:

- Longest alignment between the join points
- Construction cost estimates are generally higher

PREFERENCE SURVEY

Place a dot sticker along the survey scale below to share your opinion on this concept



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Questions?



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Thank You!

Remember to visit <http://www.calacog.org/wagon.shtml>
for project updates and upcoming meetings!



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