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# **El Dorado Trail Extension & Bike/Pedestrian Overcrossing Projects**

**Presentation to the  
Parks and Recreation Commission**

**July 21, 2016**

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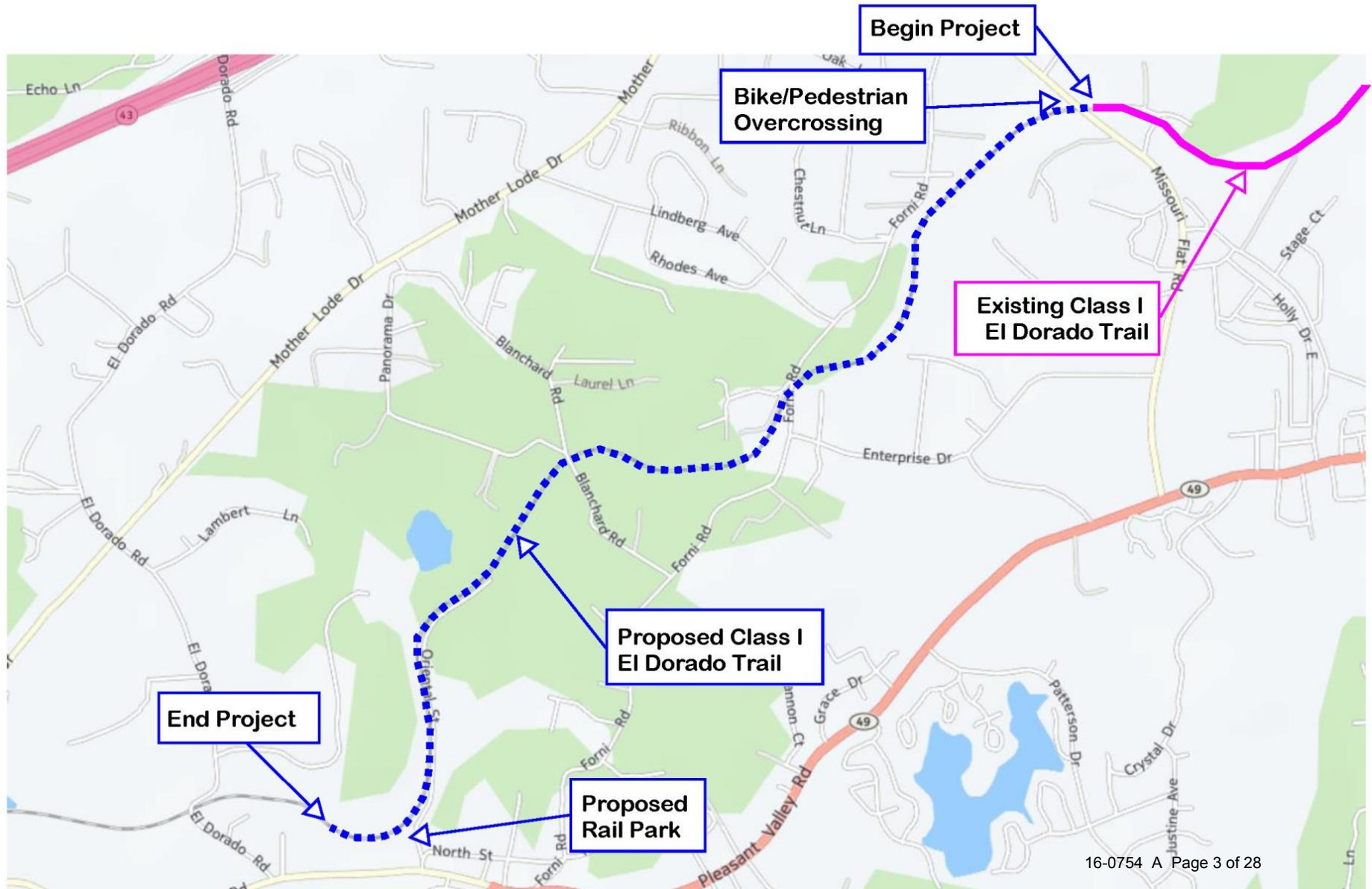
**El Dorado County  
Community Development Agency  
Transportation Division**

# **Project Information**

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- **Extend the existing Class I bike path from Missouri Flat Road to the community of El Dorado**
- **8-foot paved path with 2-foot unpaved shoulders**
- **Construct an overcrossing at Missouri Flat Road to accommodate trail users**
- **A new, larger parking area will be constructed at the future Missouri Flat Road/Diamond Springs Parkway intersection**
- **All improvements anticipated within existing Sacramento Placerville Transportation Corridor (SPTC) right of way**

# Project Location





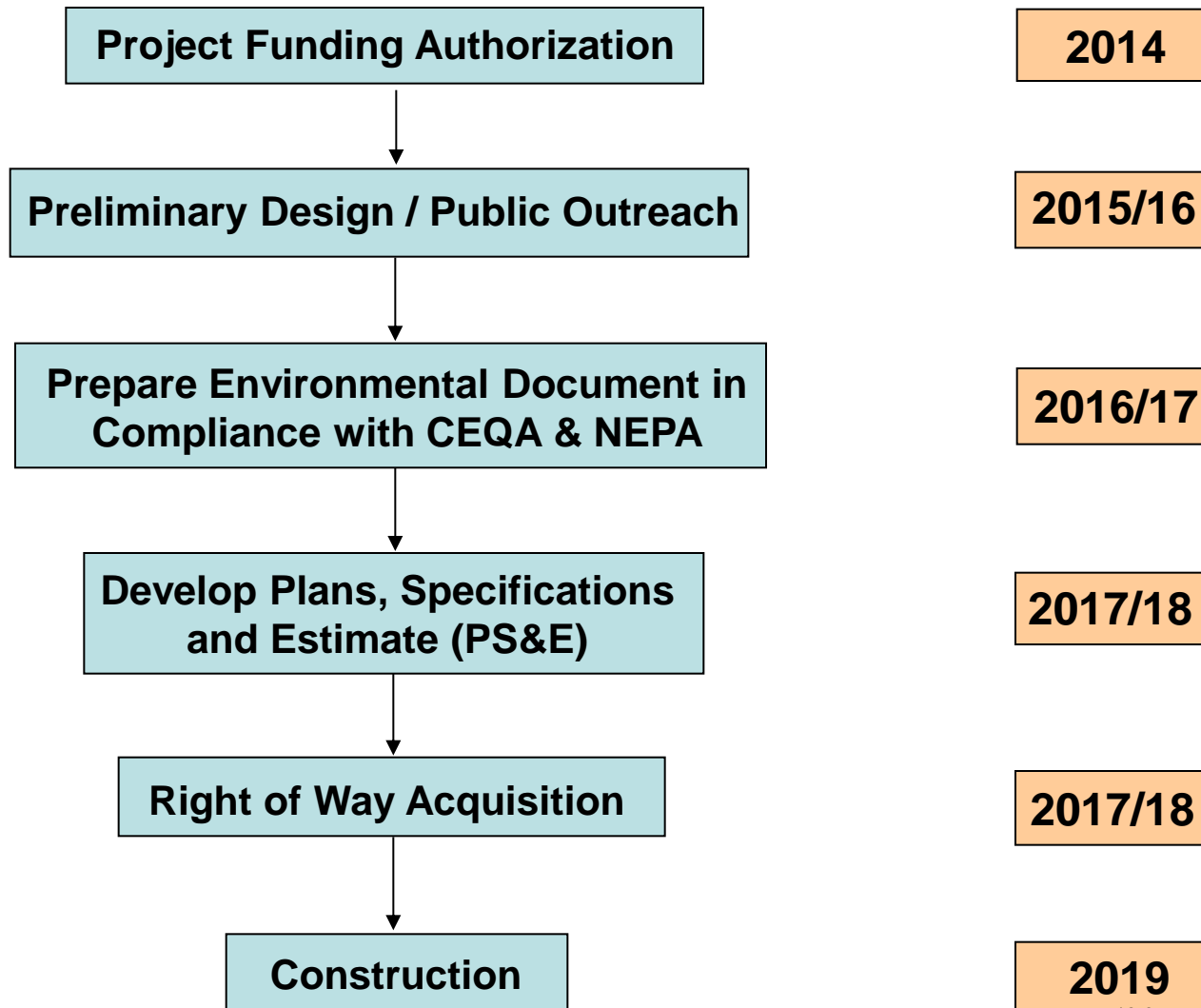
# **Project Funding & Estimated Costs**

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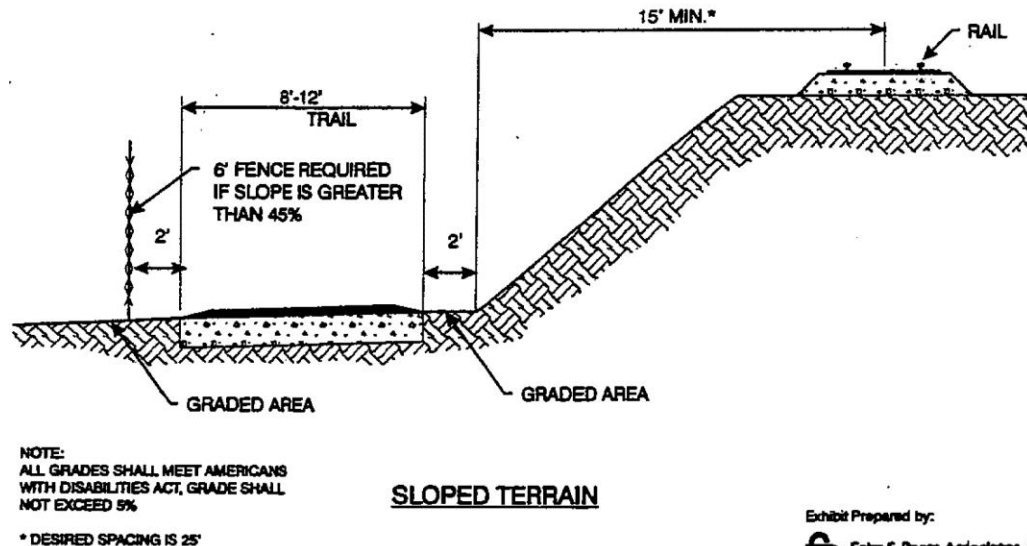
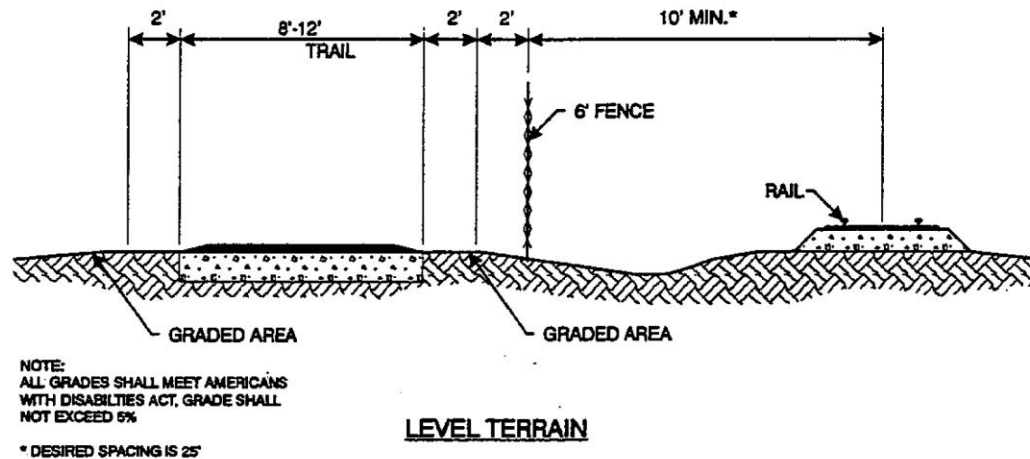
- **Environmental & Design Phase funding obtained through Congestion Mitigation Air Quality (CMAQ) program federal grants**
- **Additional grant funding currently being pursued for Construction Phase**
- **Class I Trail Extension Project Total Cost = \$4.1 million**
- **Bike/Pedestrian Overcrossing Project Total Cost = \$6.4 million**

# Project Schedule

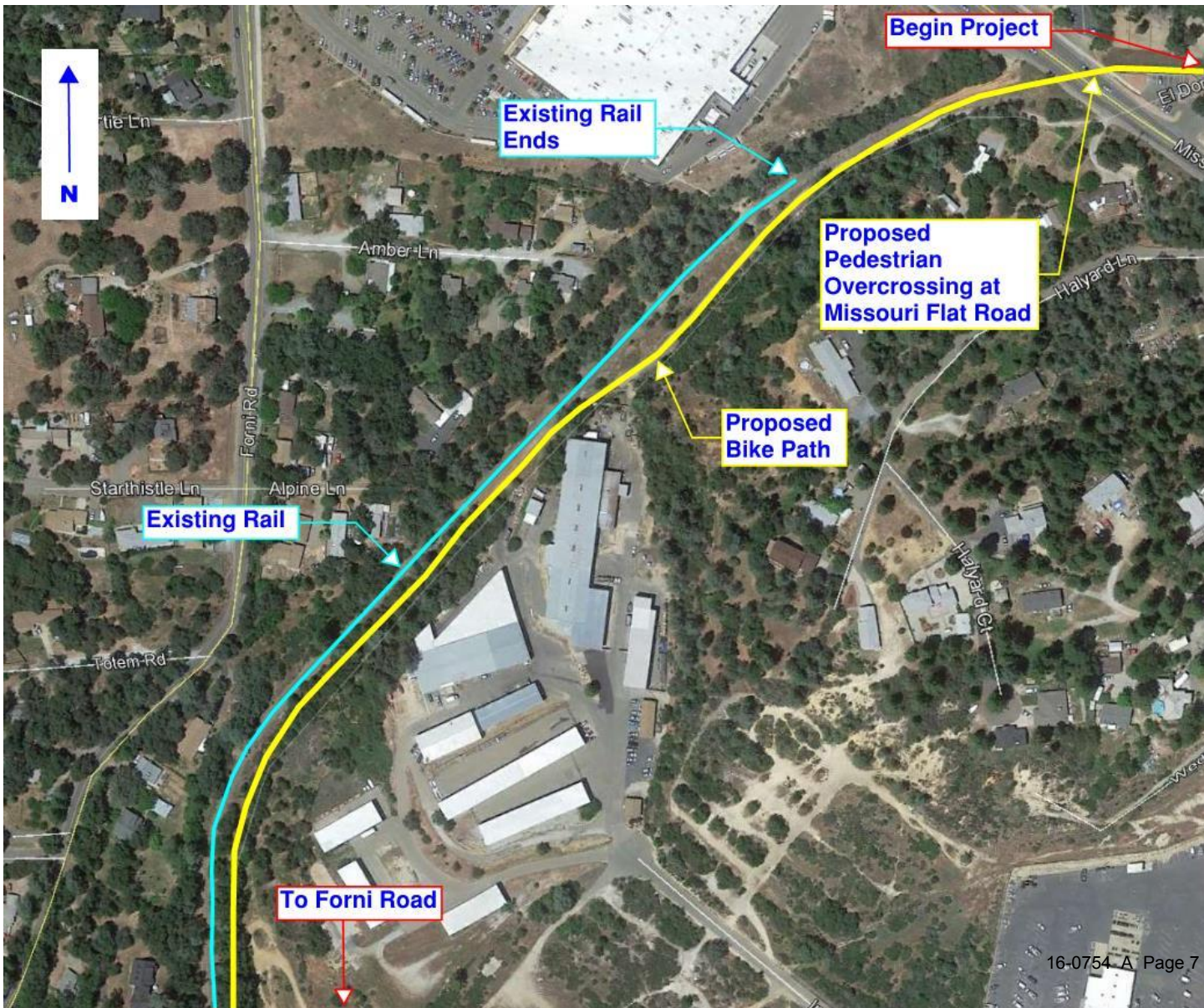
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# Class I Bike Path Design Criteria

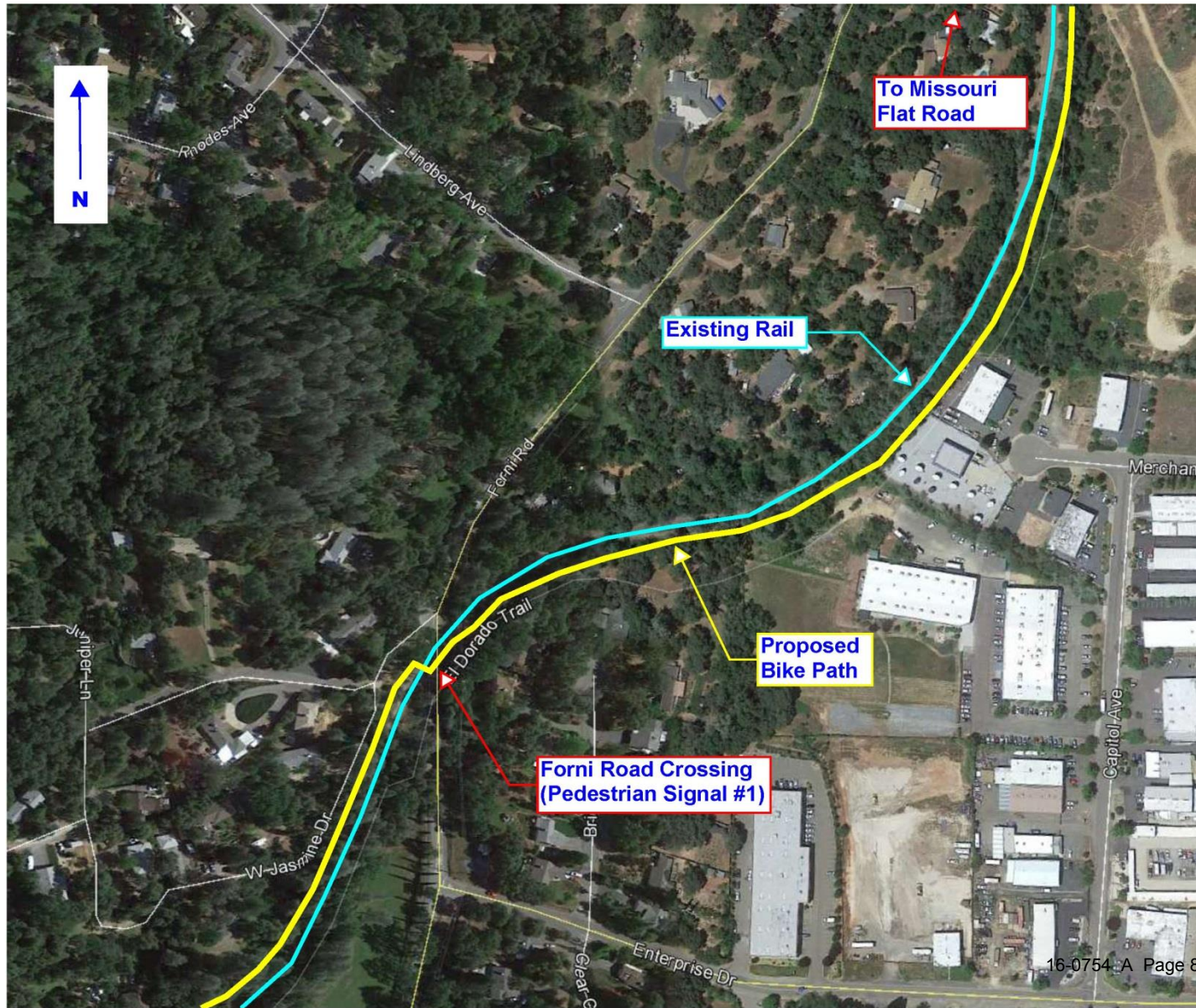


# Trail Extension Project Plan



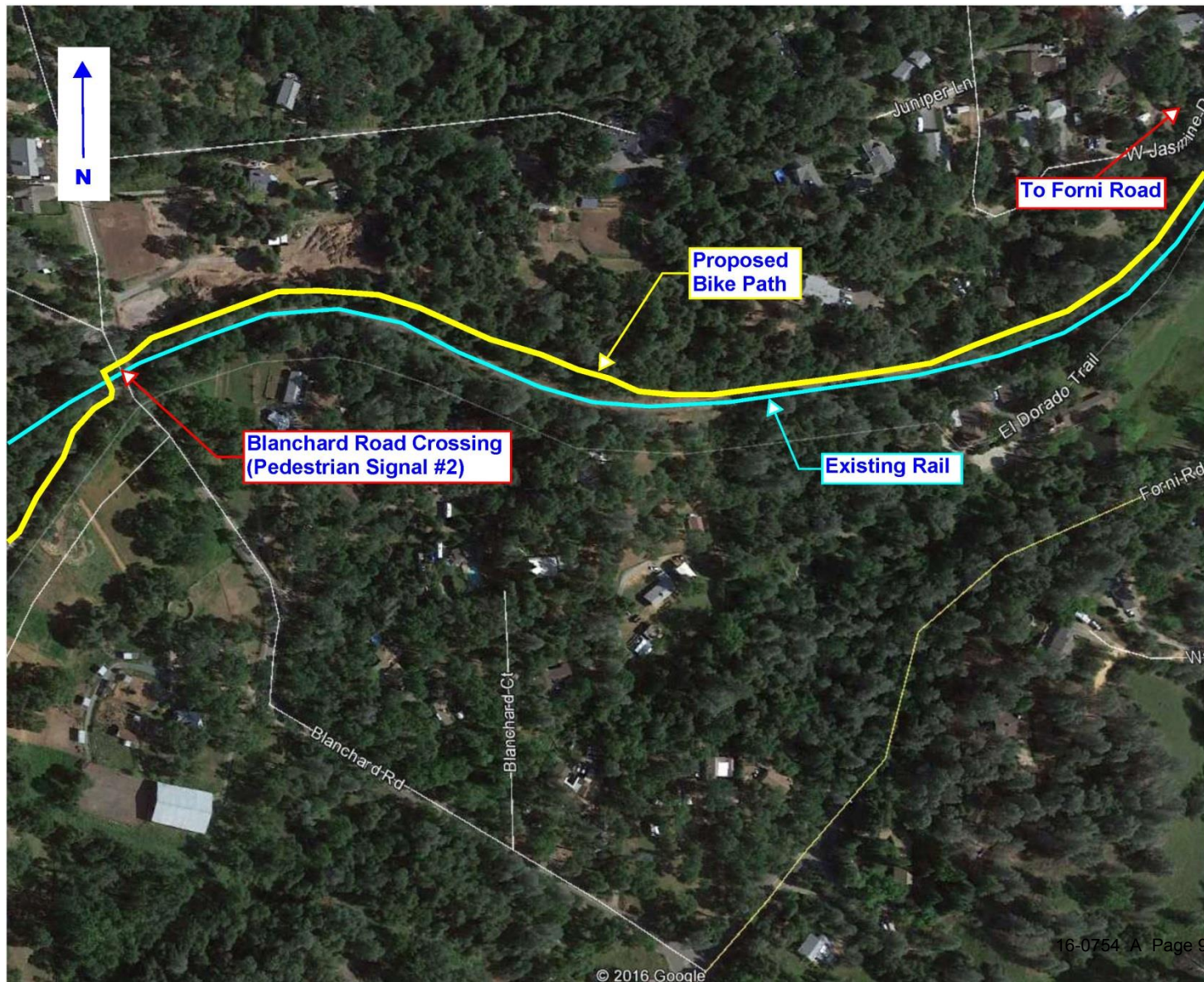


# Trail Extension Project Plan





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# Trail Extension Project Plan





# Trail Extension Project Plan





# Roadway Crossing Safety Measures



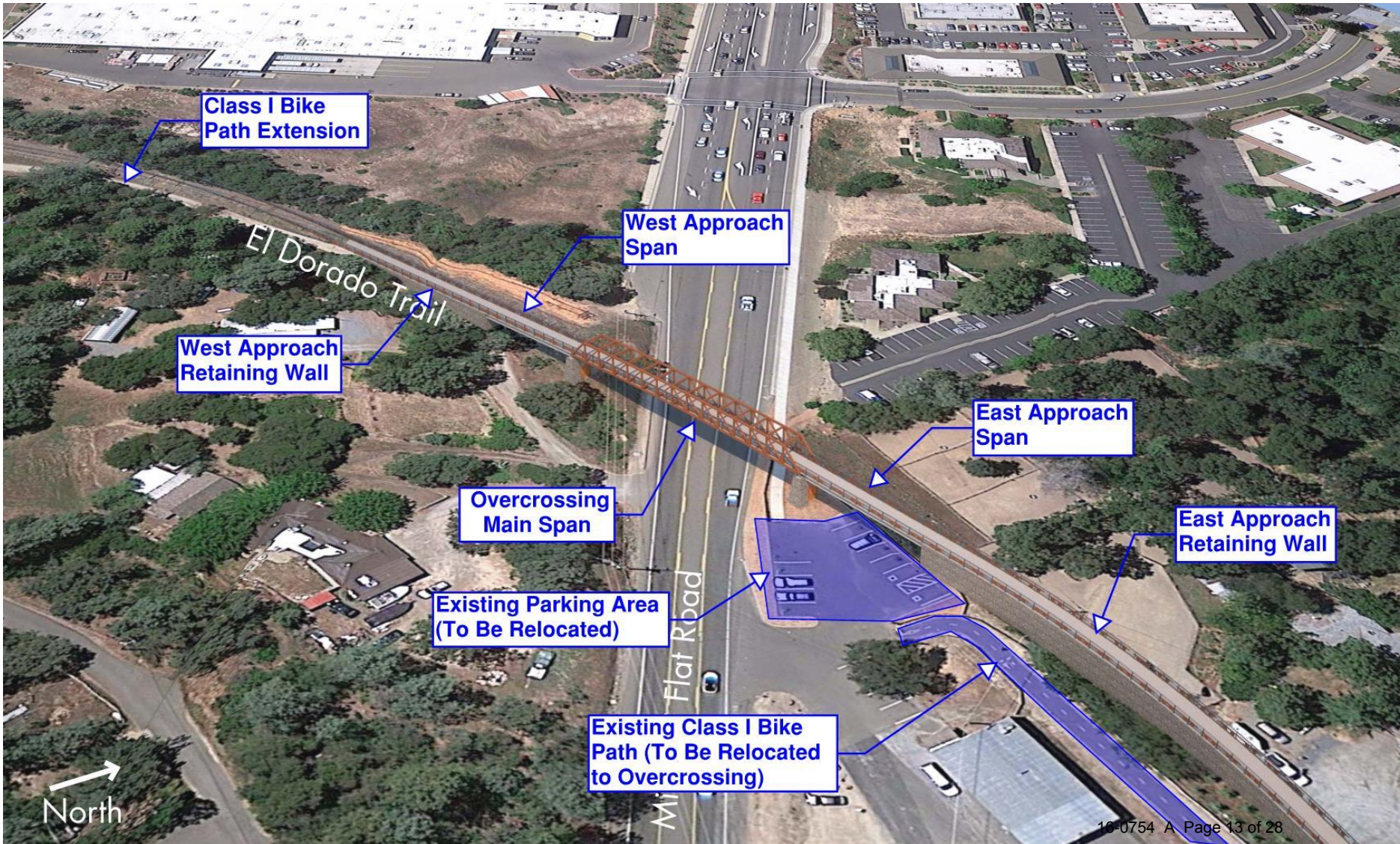
**Solar-Powered Roadside  
Pedestrian Signal**

**Overhead “Hawk”  
Pedestrian Signal**





# Bike/Pedestrian Overcrossing Overview





# Structure Types

**Girder**



**Truss**



**Arch**



**Cost: \$**



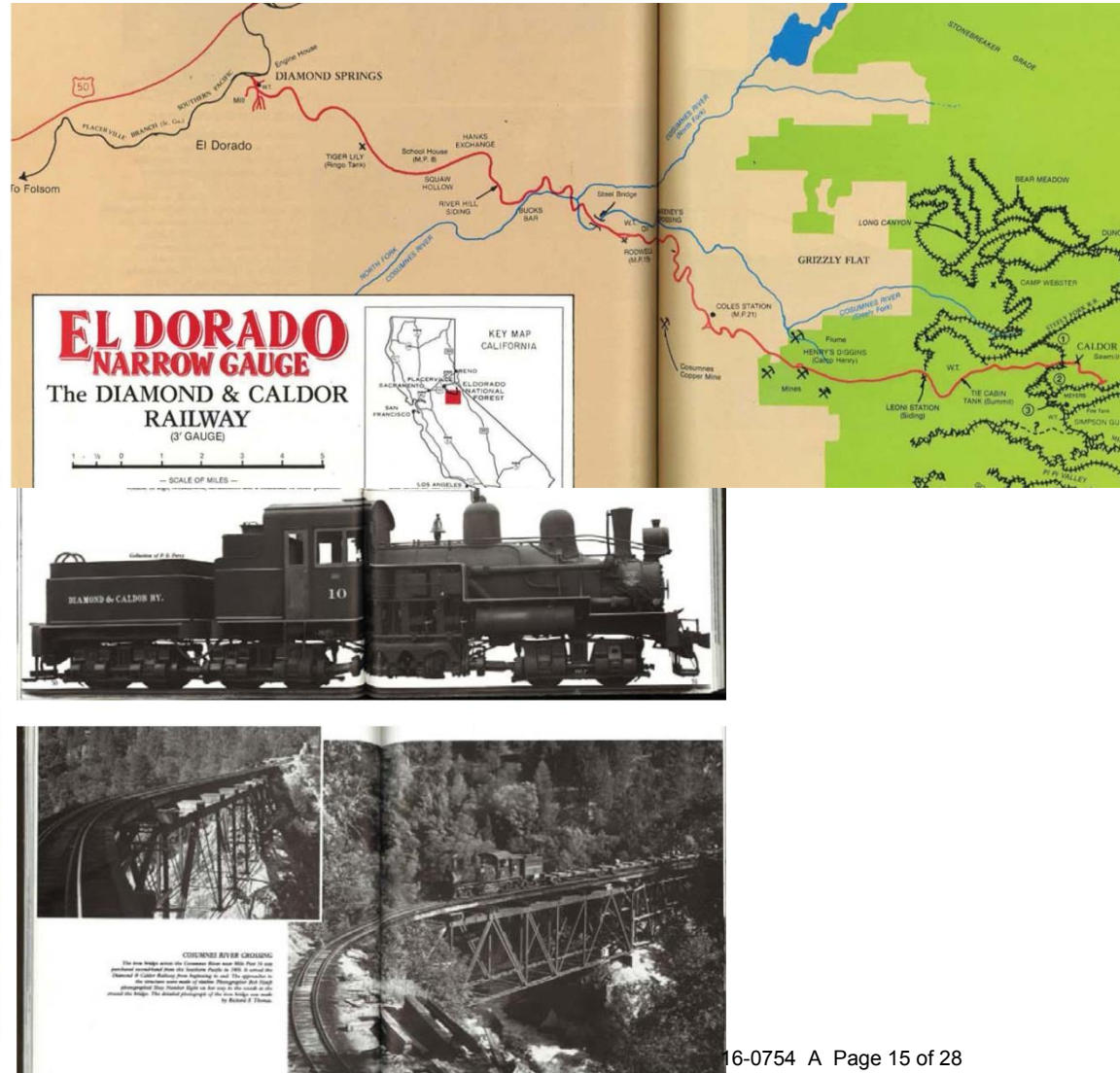
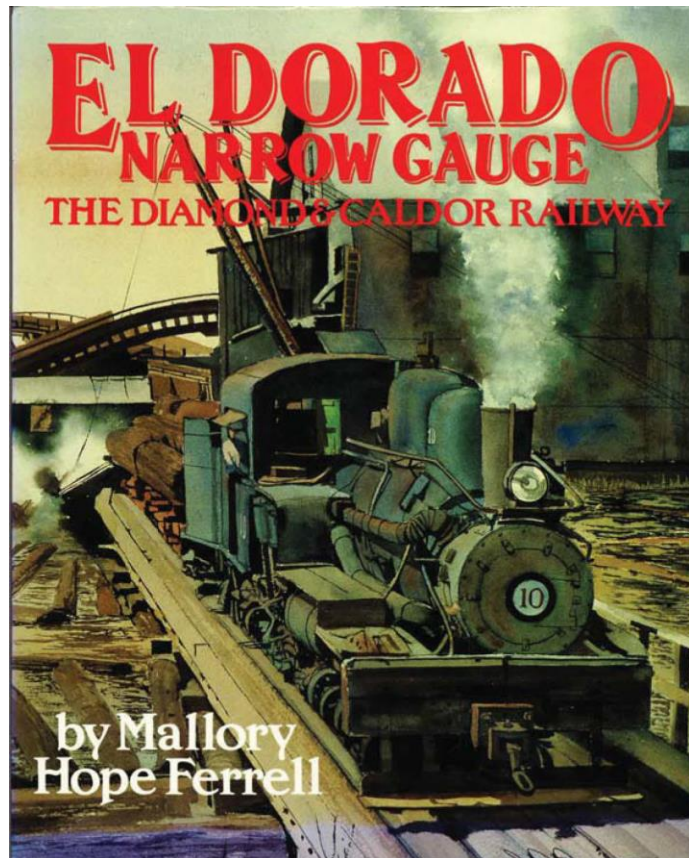
**Cost: \$\$**



**Cost: \$\$\$**



# Truss Bridge – Reflecting Railroad History



# Truss Bridge – Reflecting Railroad History

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**Narrow Gauge Shay Locomotive  
(Diamond & Caldor Railway, circa 1936)**



# Truss Types

**Truss 'A'**



**Truss 'B'**





# Truss 'A'



# Truss 'A'





# Truss 'B'





## Truss 'B'



# Wall Finish Treatments

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**Brick & “Fractured Fin” Concrete Pier**



**Brick Retaining Wall**



# Wall Finish Treatments

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**Stacked Rock & Concrete Pier**



**Stacked Rock Retaining Wall**

# Bridge Lighting Options



Low-Profile Path Lighting Example





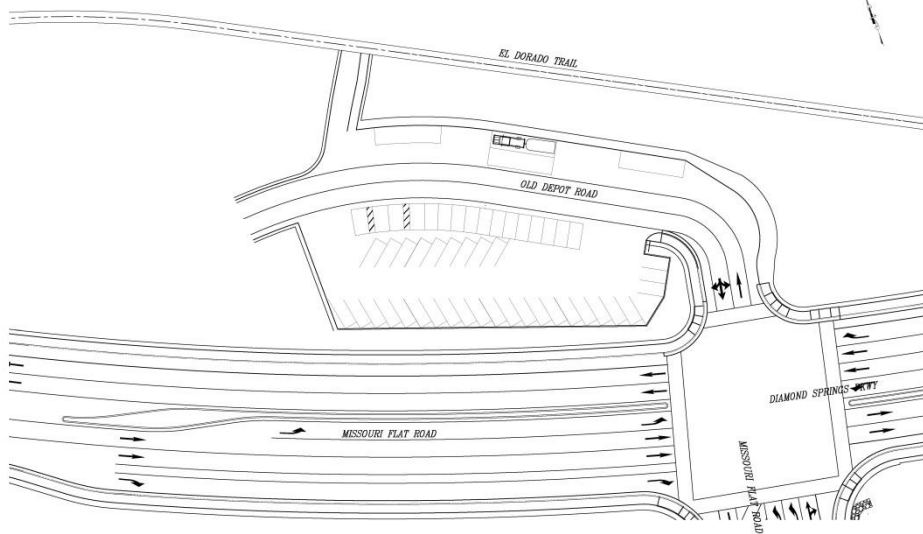
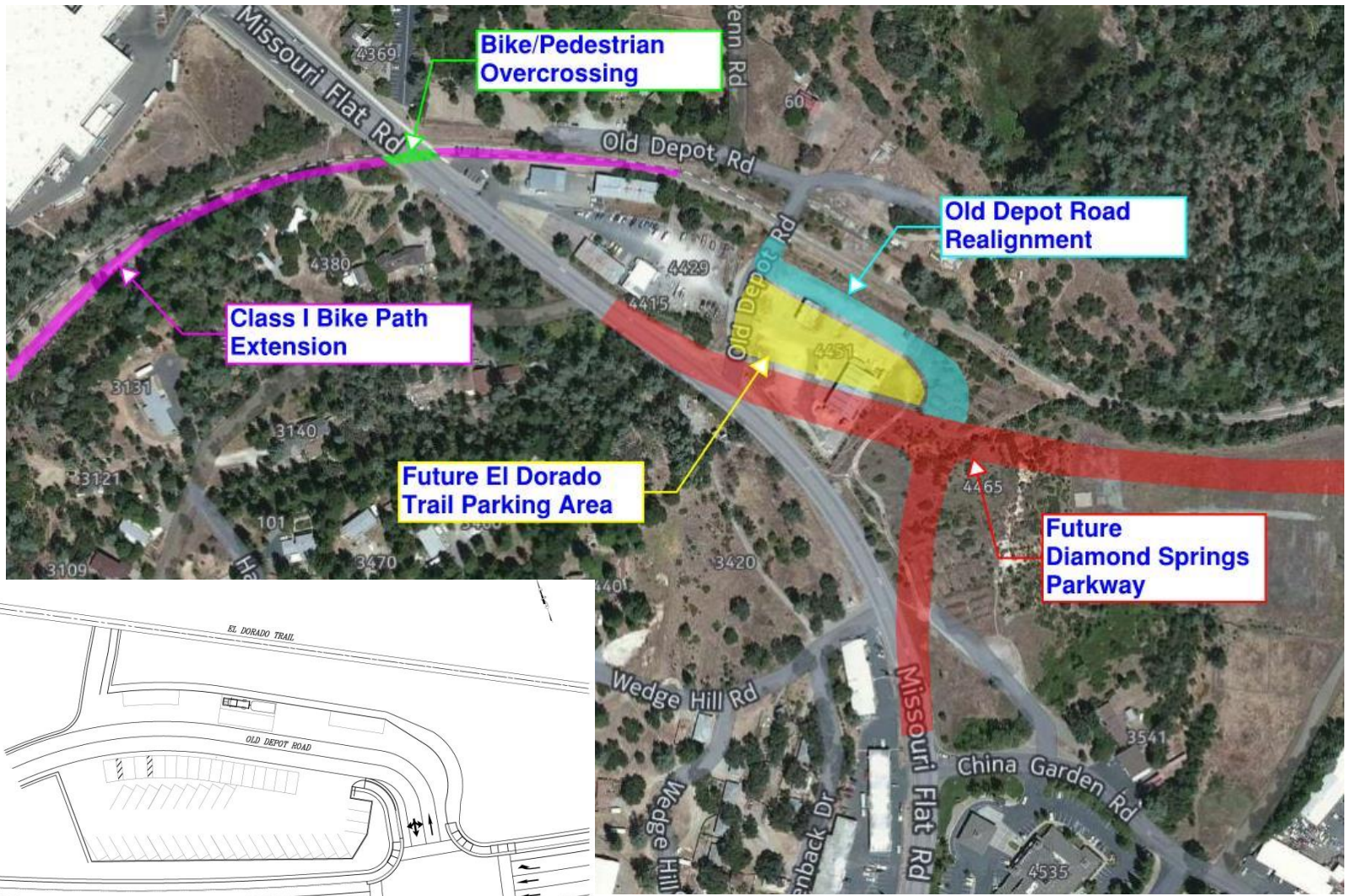
# Bridge Lighting Options



Overhead Lighting Example



# New Parking Area





# Summary of Overcrossing Design Options

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- **Structure Type: Girder, Truss, Arch, Other?**
- **Truss Type: 'A' vs. 'B'**
- **Wall Finish Treatments: Brick vs. Stacked Rock & "Fractured Fin" vs. Smooth Finish Concrete**
- **Bridge Lighting: Low Profile vs. Overhead**



# Questions?

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