



*in El Dorado County*



*Echo Summit Bridge Replacement/Rehabilitation Project*



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- Project Information
- Project Purpose and Need
- Project Scoping Alternatives
- Project Delivery Schedule
- Environmental Planning

*Echo Summit Bridge Replacement/Rehabilitation Project*



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- Project Name:

Echo Summit Bridge  
Replacement/Rehabilitation Project

- Project Description:

Replace or Rehabilitate the  
Echo Summit Bridge

- Project Location:

US Highway 50 in El Dorado County,  
7 miles west of the City of South Lake Tahoe

*Echo Summit Bridge Replacement/Rehabilitation Project*



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- Project Purpose:

Replace or Rehabilitate the bridge

- Project Need:

Age, weather, and use created the following deficiencies:

- Severe deck cracking
- Extensive rust in reinforcing steel
- Concrete cracking and spalling



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- Existing bridge:
  - Built 1939
  - 3 spans
  - Reinforced Concrete Girders
  - Reinforced Concrete Piers
  - 24 feet wide with 11 foot travel lanes

*Echo Summit Bridge Replacement/Rehabilitation Project*



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Concrete spalling and exposed rusted reinforcing steel in piers

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Concrete cracking and exposed reinforcing steel in girders and deck

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Concrete cracking and spalling in girders and piers

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Concrete spalling in pier walls

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- Project Scope Summary Report (PSSR) Alternatives:
- **Alternative 1A:**
  - Replace with 26 foot wide bridge
  - Total 120-150 days in one construction season
    - 60-90 days under full closure and 10-30 days under one-way traffic control
  - Estimated Cost: \$5,200,000
- **Alternative 1B:**
  - Replace with 26 foot wide bridge
  - Total 100-130 days in two construction seasons
    - 20-50 days under full closure and 50-70 days under one-way traffic control
  - Estimated Cost: \$5,200,000



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- Project Scoping Alternatives (Cont.):
  - **Alternative 2A:**
    - Replace with 30.75 foot wide bridge
    - Total 200-230 days in two construction seasons under one-way traffic control (8-hour work shifts)
    - Estimated Cost: \$5,200,000
  - **Alternative 2B:**
    - Replace with 30.75 foot wide bridge
    - Total 160-190 days in two construction seasons under one-way traffic control (10-hour work shifts)
    - Estimated Cost: \$5,300,000



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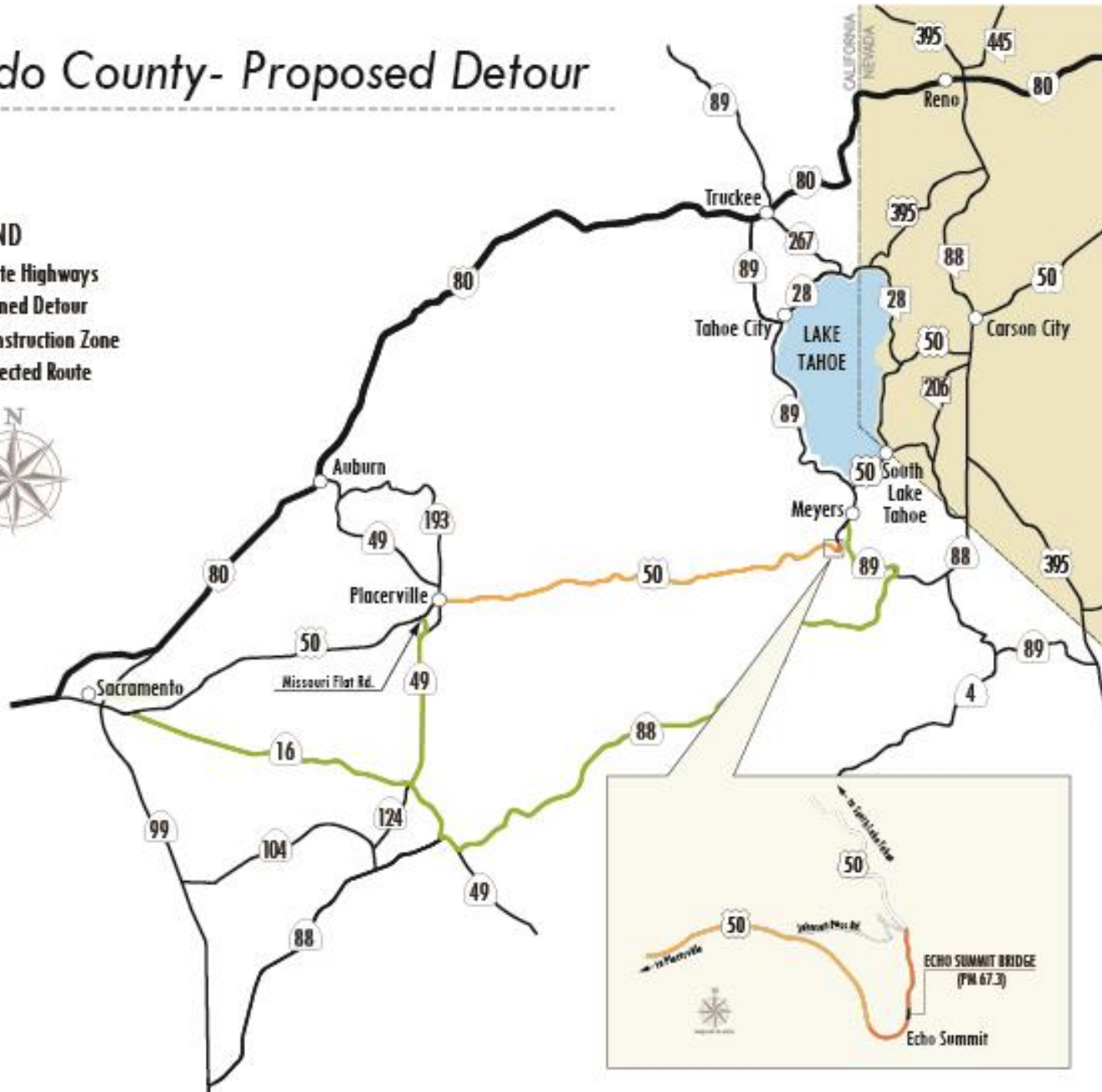
- Project Scoping Alternatives (Cont.):
  - **Alternative 3:**
    - Rehabilitate existing bridge
    - Total 150-180 days in two construction seasons
      - 20-50 days under full closure and 90-120 days under one-way traffic control
    - Estimated Cost: \$6,100,000
  - **Alternative 4:**
    - No Build



# in El Dorado County- Proposed Detour

### LEGEND

- State Highways
- Signed Detour
- Construction Zone
- Affected Route





## *in El Dorado County*

- Project Delivery Process and Schedule:
  - Identify Project – July 2012
  - Develop Project Scope Summary Report – June 2013
  - Program Funding – April 2014
  - **Prepare Environmental Document and Project Report – October 2014 to July 2016**
  - Prepare Project Design Documents
    - July 2016 to April 2018
  - Advertise and Award Construction Contract
    - April 2018 to November 2018
  - Construction Start – 2019



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- Environmental Planning:
- Environmental Impact Report (EIR)
  - Notice of Preparation (NOP)
    - Starts the EIR process
    - Request input from public regarding anticipated impacts and studies needed.
    - 30 day public comment period
    - Public Meeting:
      - Date & Time: February 26, 2015, 6:00pm-8:00pm
      - Location: South Lake Tahoe City Hall  
1901 Airport Road  
South Lake Tahoe, CA 96150



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- Project Website:

<http://www.dot.ca.gov/dist3/Projects/3F350/prjindex.htm>