Mt. Murphy Road Bridge
At the South Fork of the American River

PROJECT UPDATE
&
DRAFT ENVIRONMENTAL IMPACT REPORT (EIR)

Virtual Public Meeting

January 26, 2022
AGENDA

→ Welcome / Introductions

WHERE WE’VE BEEN

→ Project Update

WHERE WE ARE

→ Public Review of Draft Environmental Impact Report (EIR)

WHERE WE’RE GOING

→ Project “Look Ahead”
→ Open Discussion
AGENDA

- Welcome / Introductions

WHERE WE’VE BEEN

- Project Update

WHERE WE ARE

- Public Review of Draft Environmental Impact Report (EIR)

WHERE WE’RE GOING

- Project “Look Ahead”
- Open Discussion
AGENDA

» Welcome / Introductions

WHERE WE’VE BEEN

» Project Update

WHERE WE ARE

» Public Review of Draft

   Environmental Impact Report (EIR)

WHERE WE’RE GOING

» Project “Look Ahead”

» Open Discussion
Project Update

Why We are Here...

- Project Progress & Update
- Comments on Draft EIR
  - Public Review Period: 1/10/22 – 2/25/22
  - Email or Mail
- Project “Look Ahead”
Purpose & Need:

- **Sufficiency Rating (SR) = 0.00**
  (2011), 13.5 (2014), 2.0 (2016), 20.6 (2018), one of the Lowest Rating of ALL County Maintained Bridges

- Structurally Deficient (has Fracture Critical Members, FC inspections by Caltrans annually)

- Extensive Maintenance & Repairs (including multiple emergency closures)

---

*Courtesy of Vickie Longo*
Purpose & Need:

- Ongoing Maintenance
- Emergency Repair(s)
  - 2007
  - 2021
Purpose & Need:

Emergency Repair (2021)

- Accident Sept. 2021
  - Structural Damage to Truss
- Immediate Closure
- Testing of Truss Members
- Unique Challenges & Unique Repair
- Reduced Load Rating Limit
- Importance of Bridge Replacement Project
**Project Progression:**

- **Purpose & Need:**
  - To provide safe and reliable passage to the traveling public across Mt. Murphy Bridge

- **Structural Analysis and Rehabilitation Feasibility Study (2014)**
  - Concluded Rehabilitation Infeasible

- **Alternatives Report (2015)**
  - Included three SAC & PDT meetings (2014)
  - Identified nine (9) Alternatives
  - Recommended three (3) Alternatives for Environmental Evaluation

- **Alternatives Feasibility Study (2016)**
  - Evaluated three (3) Alternatives

- **Recommended On-Alignment Alternative**
Mt. Murphy Road Bridge – Virtual Meeting

Environmental Schedule

PRELIMINARY


Outreach
PA & ED

PUBLIC MTG – 2015 (Update & NOP of EIR)
PUBLIC MTG – 2017 (Update)
PUBLIC MTG – 2018 (Update)
BOS MEETING – 2019 (Update & UUD)
PUBLIC MTG – 2022 (IDEIR Circulation)
BOS MTG – 2022 (FEIR)

2016: PRELIMINARY
2015: TECHNICAL STUDIES (FIELD STUDIES; FIELD SURVEYS; BRIDGE TYPE; TRAFFIC; GEOTECH, ETC.)
2017: DRAFT ENVIRONMENTAL ANALYSIS
2018: APS & TSR APPROVAL
2019: CALTRANS & OHP COORDINATION & REVIEW
2020: CALTRANS & OHP FINAL REVIEW & MOA
2021: DRAFT EIR
2022: FINAL EIR and NEPA Approval

We Are Here!!

EL DORADO COUNTY CALIFORNIA

APPROVED

Outreach
PA & ED
Proposed Project

- Technical & Engineering Studies
  - Structure Advanced Planning Study (APS)
  - Type Selection Report (TSR)
  - Geotechnical Study
    - Vibration Considerations
Proposed Project

- Technical & Engineering Studies
- Traffic Study
- Noise Study
Proposed Project

- **Alternative 1 (Corridor 1)** – “On Alignment”

- Avoidance & Minimizing Impacts
  - Cultural & Historic Resources
  - Biological Resources
  - Visual Impacts, etc.
Proposed Project

Alternative 1 (Corridor 1) – “On Alignment”
Proposed Project

**Alternative 1 (Corridor 1) – “On Alignment”**
Proposed Project

- Integrating the Past
- Continuity
- Minimize Impacts
Proposed Project
Proposed Project

“Truss Tower Portals” with Cables
Proposed Project

- Alternative 1 (Corridor 1) – “On Alignment”

Table 3-1. Bridge Design Elements Compared Against Historic Bridge Elements

<table>
<thead>
<tr>
<th>Feature</th>
<th>Historic Bridge Reference Image</th>
<th>Proposed Bridge Detail Simulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truss crossbars</td>
<td>![Historic Image]</td>
<td>![Proposed Simulation]</td>
</tr>
<tr>
<td>Cables</td>
<td>![Historic Image]</td>
<td>![Proposed Simulation]</td>
</tr>
</tbody>
</table>

PRELIMINARY CONCEPT
**Proposed Project**

**Alternative 1 (Corridor 1) – “On Alignment”**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Historic Bridge Reference Image</th>
<th>Proposed Bridge Detail Simulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box relief and arched curves in concrete girders</td>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
</tr>
<tr>
<td>Mono slab pier walls with flared pedestals and trim accents</td>
<td><img src="image3.png" alt="Image" /></td>
<td><img src="image4.png" alt="Image" /></td>
</tr>
</tbody>
</table>
Proposed Project

Alternative 1 (Corridor 1) – “On Alignment”

Table 3-1. Bridge Design Elements Compared Against Historic Bridge Elements

<table>
<thead>
<tr>
<th>Wood texture and color tones</th>
<th></th>
</tr>
</thead>
</table>

PRELIMINARY CONCEPT
Proposed Project

- **Alternative 1 (Corridor 1)** – “On Alignment”
AGENDA

- Welcome / Introductions

WHERE WE’VE BEEN

- Project Update

WHERE WE ARE

- Public Review of Draft Environmental Impact Report (EIR)

WHERE WE’RE GOING

- Project “Look Ahead”
- Open Discussion
Public Review – Draft EIR

- Comments on Draft EIR
  - Public Review Period: 1/10/22 – 2/25/22
  - Email or Mail

- Draft EIR Highlights
  - Summary of Mitigation Measures

---

Mt. Murphy Bridge Replacement Project

Draft Environmental Impact Report

SCBA: 2015012056

Prepared For: El Dorado County Department of Transportation
3030 Fairway Court, Placerville, CA 95667
Contact: Atkins Bridge Project Coordinator
Phone: 530-621-5948

Prepared By: SWCA Environmental Consultants
6335 Broadway Blvd, Suite C, Sacramento, CA 95831
Contact: Jeffrey Lillis
Phone: 916-427-0781

January 2022
### Public Review – Draft EIR

**Table 5-1: Summary of Significant Impacts and Mitigation Measures**

<table>
<thead>
<tr>
<th>Impact</th>
<th>Mitigation Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aesthetics:</td>
<td>BIO-5 (Riparian), BIO-6 (Oak Trees), BIO-7 (SF American River)</td>
</tr>
<tr>
<td>Air Quality:</td>
<td>HAZ-2 (Lead)</td>
</tr>
<tr>
<td>Biological Resources:</td>
<td>BIO-1 (FYLF), BIO-2 (Migratory Birds), BIO-3 (Bats), BIO-4 (Balsamroot, Sedge), BIO-5 (Riparian), BIO-6 (Oak Trees), BIO-7 (SF American River)</td>
</tr>
<tr>
<td>Geology &amp; Soils:</td>
<td>NOI-1 (Vibration)</td>
</tr>
<tr>
<td>Hazardous Materials:</td>
<td>HAZ-1 (Arsenic), HAZ-2 (Lead), HAZ-3 (Treated Wood), WILD-1 (Fire Protection)</td>
</tr>
<tr>
<td>WQ &amp; Water Resources:</td>
<td>Bio-1 (FYLF), Bio-7 (SF American River)</td>
</tr>
<tr>
<td>Noise:</td>
<td>NOI-1 (Vibration)</td>
</tr>
<tr>
<td>Recreation:</td>
<td>REC-1 (Relocate Park Uses), REC-2 (Whitewater Boaters), REC-3 (SR-49 &amp; Mt Murphy Park Character), REC-4 (Traffic Delays)</td>
</tr>
<tr>
<td>Wildfire:</td>
<td>WILD-1 (Fire Protection)</td>
</tr>
</tbody>
</table>
### Table 5-1: Summary of Significant Impacts and Mitigation Measures

<table>
<thead>
<tr>
<th>Impact:</th>
<th>Mitigation Measures:</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Cultural Resources:</td>
<td>CULT-1 (Design Features), CULT-2 (HAER), CULT-3 (Interpretive Exhibits), CULT-4 (Revised National Register Nomination), CULT-5 ( Reporting), CULT-6 (Post Review Plan), CULT-7 (ESA Action Plan)</td>
</tr>
<tr>
<td>Tribal Cultural Resources:</td>
<td>CULT-8 (Native American Monitoring)</td>
</tr>
</tbody>
</table>
Public Review – Draft EIR

Coordinated Efforts

- Extensive Coordination Efforts
  - County Of El Dorado, State Parks, Caltrans, FHWA, Tribes, OHP, Public, etc.

- Design Features
  - Evolution of Proposed Project

- Interpretive Exhibits
  - Integrating Efforts & Uses
AGENDA

→ Welcome / Introductions

WHERE WE’VE BEEN

→ Project Update

WHERE WE ARE

→ Public Review of Draft Environmental Impact Report (EIR)

WHERE WE’RE GOING

→ Project “Look Ahead”

→ Open Discussion
Project “Look Ahead”

- Environmental “Next Steps”

- Draft EIR Public Review Period:
  - 1/10/22 – 2/25/22
- Response to Comments
- Final EIR (includes Response to Comments, Errata, etc.)
- BOS Meeting (Final EIR Approval) – 2022
- Caltrans & OHP Approvals (parallel process)
- NEPA Approval - 2022
Project “Look Ahead”

- Anticipated Schedule & Development Process

*Opportunities for Overlap (ROW, Design, PS&E)
CONCLUDING REMARKS

PRELIMINARY CONCEPT
OPEN DISCUSSION

We Want to Hear from You!

- Draft EIR available at project website or hard copy at the El Dorado County Library (Placerville)

EIR Comments – What to Do

- Submit Comments (email or mail) to the County by Feb. 25, 2022
- Email: mtmurphybridge@edcgov.us
- Mail: El Dorado County Department of Transportation
  Attn: Bridge Project Coordinator
  2850 Fairlane Court
  Placerville, CA 95667
  Phone: (530) 621-5900

http://www.edcgov.us/MtMurphyBridge/