

## Appendix B-8

### LAKE TAHOE RESTORATION PROJECTS ESTIMATED DIRECT COSTS & KEY MILESTONE DATES

**Project Name:** SR89 at Fanny Bridge  
Roadway Improvement      **Agency:** FHWA (Placer County)  
**Prepared by:** Peter Kraatz      **Phone:** 530 581-6230      **EIP #:** 855

**Identify estimated costs of eligible reimbursement expenses:**

<b>1. Planning, Environmental Assessment and Research Costs</b> (specialist surveys, reports, monitoring, data collection, analysis, NEPA, etc.)	\$ _____	_____	%
<b>2. Direct Labor (Payroll) to Perform the Project</b>	\$ _____	_____	%
<b>3. Project Equipment</b> (tools, software, specialized equipment, etc.)	\$ _____	_____	%
<b>4. Travel</b> (including per diem where official travel status required to carry out project, such as serve as COR, experts to review reports, etc.)	\$ _____	_____	%
<b>5. Official Vehicle Use</b> (pro rata cost for use of Official Vehicles when required to carry out project)	\$ _____	_____	%
<b>6. Cost of Contracts, Grants and/or Agreements to Perform the Project</b>	\$ <u>1,500,000</u>	<u>100</u>	%
<b>7. Other Direct Costs</b> (direct labor for agency personnel to do project procurements; COR; PI; personnel assigned as NEPA lead; personnel assigned to review contracted surveys, designs/drawings, reports, etc.; project manager and/or project supervisor; and contracted costs for project manager and/or project supervisor if contracted separately)	\$ _____	_____	%
<b>TOTAL*:</b>	\$ <u>1,500,000</u>	<u>100</u>	%

**Estimated Key Milestone Dates:**

Milestones/Deliverables:	Date:
<b>Receive Funding</b>	<b>October 2007</b>
<b>Complete Technical Environmental Studies</b>	<b>September 2008</b>
<b>Circulate Environmental Document</b>	<b>June 2009</b>
<b>Complete Design</b>	<b>December 2011</b>
<b>Complete ROW Acquisition</b>	<b>June 2012</b>
<b>Begin Construction</b>	<b>May 2013</b>
<b>Complete Construction</b>	<b>October 2015</b>

**COMMENTS:**

## APPENDIX I

### ROUND 8 LAKE TAHOE CAPITAL PROJECT PROPOSAL

**Project Name:** State Highway 89 at Fanny Bridge  
Roadway Improvement Project

**EIP #:** 855

**Focus Area:** Air Quality and Transportation  
(select from Federal Vision Focus Areas)

**Lead Agency:** Federal Highway Administration

**Contact:** Ms. Susan Klekar, Nevada  
Division

**Threshold:** Air Quality

**Phone Number:** (775) 687-1204

**Threshold Standard:** NOX?

**Email Address:**

[susan.klekar@fhwa.dot.gov](mailto:susan.klekar@fhwa.dot.gov)

**Is this a multi-year Project?** Yes  
(If “Yes”, describe in the Detailed Project Description below  
number of years or phases and which year the requested funding  
will cover)

**Total Project Cost:** \$40,000,000

**Funding Request in this Round:**  
\$1,500,000

**Project Summary (maximum 200 words):**

FHWA, in conjunction with Placer County, Caltrans, TRPA and the North Lake Tahoe Resort Association, is collaborating on a roadway improvement project in Tahoe City. It involves addressing traffic congestion and traffic conflicts with pedestrians and cyclists on the Fanny Bridge over the Truckee River on State Highway (SR) 89. The project will construct water quality improvements, provide bicycle and pedestrian facilities, and reduce traffic conflicts and congestion on the highway corridor south of the SR89/SR28 intersection in Tahoe City. Funding for this request will be used for planning, preliminary engineering, environmental studies and environmental document preparation required for the project. We anticipate obtaining environmental document approval and certification in Fall/Winter 2009.

**Detailed Project Description:**

The project is being developed to address traffic congestion and safety and access for pedestrians and bicyclists. At a minimum, the Fanny Bridge will be upgraded to provide improved pedestrian and bicycle access. Traffic congestion will be addressed through either a widened Fanny Bridge and/or a new highway alignment running through the 64-acre USFS parcel located west of the existing SR89 alignment.

All proposed project improvements will address water quality to ensure storm water runoff meets applicable regulatory standards.

**Describe the goals and objectives of the project:**

The purpose of the project is to:

1. Improve traffic flow through the Fanny Bridge area of SR89.
2. Improve public safety through reduction of traffic conflicts with pedestrians and bicyclists.

3. Improve access for pedestrians and bicyclists along and across SR89 in the Fanny Bridge area.

The need for the project is driven by the following:

1. Traffic studies completed to date indicate significant periods of traffic congestion south of the SR28/SR89 intersection.
2. Pedestrian and bicycle mobility is limited due to lack of facilities and space for separated travel spaces in the Fanny Bridge area of SR89. Facilities adequately accommodate pedestrians and bicycles on either side of SR89, but diminish at the highway/bridge crossing.
3. The Fanny Bridge will become structurally deficient and will require a seismic retrofit within the next 10 years.
4. A public bus transit and parking facility is planned just south of Fanny Bridge and west of SR89. Increased bus, parking, pedestrian and bicycle traffic is anticipated as a result of the planned facility. Without roadway/bridge improvements, traffic congestion and pedestrian/bicycle safety is expected to worsen.

The goals of this project are to:

1. Construct roadway/bridge improvements to lessen traffic congestion.
2. Construct dedicated bike lanes for bicyclists.
3. Construct bridge under-crossings or over-crossings for pedestrians.
4. Coordinate with the planned transit facility design so that access points and other improvements are appropriately sited and linked between both projects.
5. Construct water quality treatment facilities for all project improvements that will meet regulatory requirements to the maximum extent practicable.

**Describe the anticipated project accomplishments:**

Create an improved roadway condition that provides a higher level of service as well as increased safety and access for pedestrian and bicyclists. These project accomplishments must be coordinated with the planned transit facility with respect to automobile, pedestrian and bicycle access and flow which will provide seamless improvements for the benefit of the public and overall quality of Lake Tahoe. At the same time, all mobility improvements must be designed to minimize impacts to the water quality and the greater physical environment of the Lake Tahoe Basin to the maximum extent practicable.

**Describe the “readiness” of this project to move forward (urgency, capacity, capability, Environmental documentation etc.):**

TRPA, in collaboration with Caltrans, conducted technical environmental studies and preliminary engineering tasks for this project over the last five years. Current efforts for project work to date can be view at [www.fannybridge.com](http://www.fannybridge.com). Unfortunately, project progress has slowed, but with new funding, Placer County is prepared to move forward with the existing environmental studies and begin assembling an environmental document for the project.

**Describe partnerships for this project.\*\* (Include documentation):**

TRPA is the current lead on the project and they have received strong support from the North Lake Tahoe Resort Association. Recent discussions with TRPA, Caltrans and the

NLTRA indicate that a strong partnership will continue to develop with Placer County becoming the lead project proponent.

**Describe the project monitoring that will be implemented as part of this project including:**

- 1) The questions the monitoring program is designed to answer**
- 2) The monitoring approach**
- 3) Whether this project monitoring fits into a larger monitoring or research program?**

A project-effectiveness monitoring program will be developed during the design phase to allow adaptive management. The project is encompassed within an overall watershed improvement planning effort, which will ensure that storm water improvements are consistent with the overall watershed restoration plans for the area. The size of the project will allow selective use of pilot strategies to improve water quality. In addition, previous and current monitoring efforts of existing watershed BMPs by UC Davis will be incorporated into future BMP designs resulting in appropriately sized and pollutant-targeted BMPs for the core project.

**Describe how the project results will be communicated and made-available to the public.**

Placer County will likely develop a project steering committee representing various interest groups in the area and will distribute project results through this group. We will also work closely with the North Tahoe Business Association and the North Tahoe Resort Association who we keep informed regarding project status. In addition, the current web site, [www.fannybridge.com](http://www.fannybridge.com), will both be updated and possibly linked to Placer County's website ([www.placer.ca.gov](http://www.placer.ca.gov)).

**Include an 8 ½ X 11 map depicting the project.**

See the attached drawings that illustrate two potential project alternatives. Alternative 2 includes upgrading Fanny Bridge with more capacity (widening) and pedestrian facilities (over-crossing or under-crossing). Alternative 4 would include a new highway alignment to the west and minor improvements to the bridge including sidewalks on both sides.

**Page 117 – Implementation Agreement  
Southern Nevada Public Land Management Act of 1998  
Public Law 105-263 (as amended) June 7, 2006**

### **ROUND 8 SNPLMA CAPITAL PROJECT SUPPLEMENTAL INFORMATION**

Please ensure you integrate this information into your Round 8 project proposal.

**All projects must have the following minimum criteria to be considered (June 7, 2006 SNPLMA Implementation Agreement, p. 32):**

1. Qualify as an Environmental Improvement Program (EIP) project and be the responsibility of the federal government; and
2. Have a willing and ready federal sponsor;

The Fanny Bridge Project qualifies as an EIP project under EIP #855 for air quality/transportation.

Federal Highway Administration staff verbally indicated that they would be a willing and ready sponsor.

**Projects must fit (be consistent with) into one of the focus areas and associated programs from the June 2006 Federal Vision (pp. 8-9):**

1. Watershed and Habitat Improvement
  - Threatened, Endangered and Sensitive Species
  - Watershed and Stream Environment Zone Restoration
  - Habitat Improvement
  - Water Quality Protection
  - Road and Trail Water Quality Retrofit
  - Facilities Water Quality Retrofit
2. Air Quality and Transportation\*
3. Forest Health
  - Vegetation Management
  - Fuels Management
4. Recreation and Scenic\*
  - Interpretation Services
  - Recreation

\* Projects from these two focus areas must demonstrate a primary resource benefit, such as water or air quality and habitat improvement.

The Fanny Bridge Project fits into the Air Quality and Transportation focus area. Transportation improvements would be designed to treat storm water runoff to meet applicable water quality standards to the maximum extent practicable. The intent of the project would be to improve water runoff conditions in the area above current runoff conditions.

**Other Considerations:**

**Projects that demonstrate a cumulative benefit because they are adjacent to, or enhanced by, other EIP projects.**

The Fanny Bridge Project most definitely demonstrates cumulative benefits through planned enhancements to water quality, air quality and transportation environmental thresholds identified in the EIP. Specifically, the project benefits EIP #s 855 (air quality/transportation) described as improving traffic flow. The project will also have cumulative benefits for air quality EIP #s 854 (reduce traffic conflicts and increase

pedestrian/bicyclist mobility and access), 856 (Tahoe City Transit Center), and 797 (Traffic Management Program).

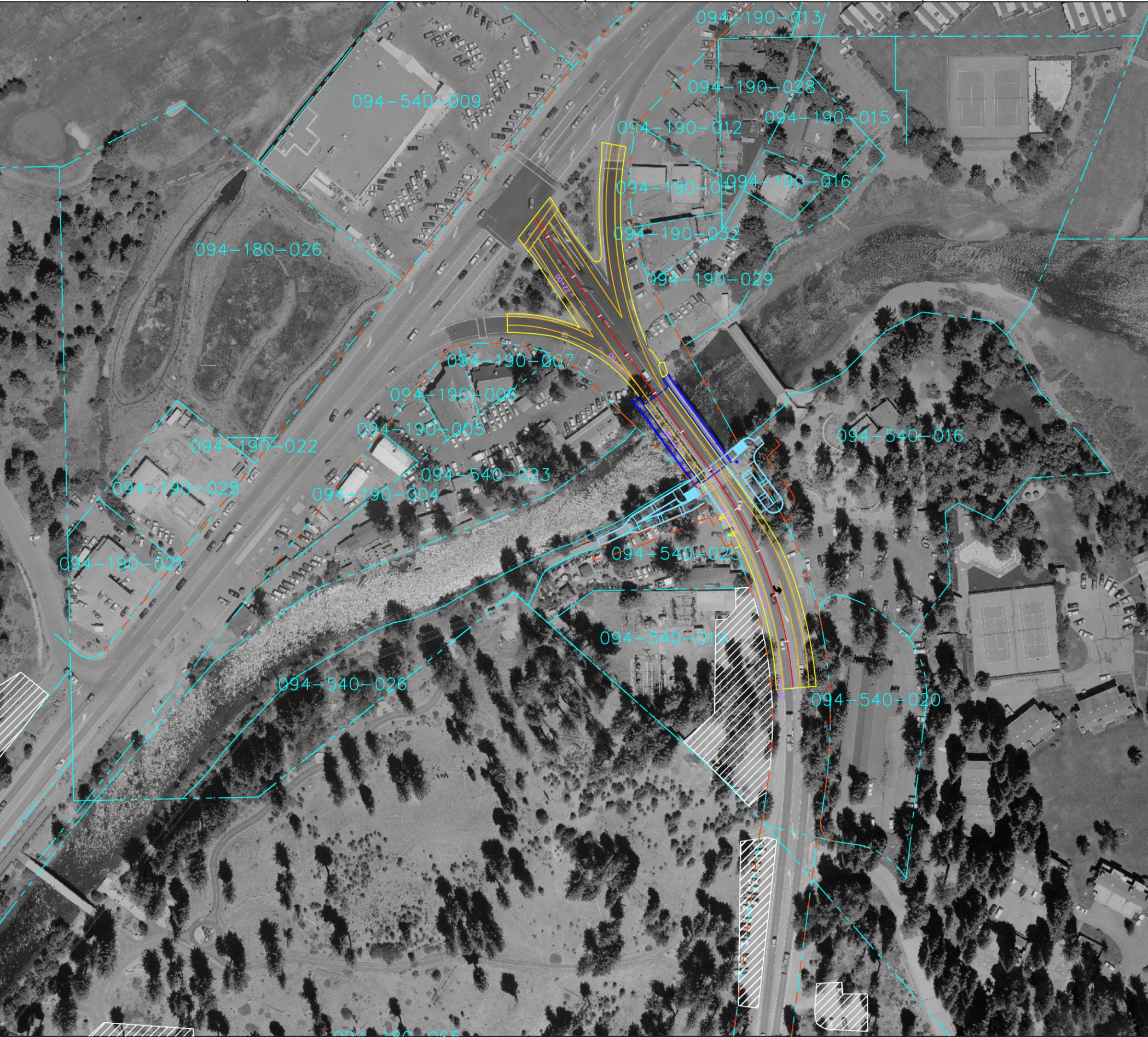
*Projects that include a cost-share component from State, local or private sources.*

The Fanny Bridge Project has had past funding from the State and TRPA, and Placer County has traffic mitigation fees set dedicated to the project.

*Projects that are continuing phases of previously approved SNPLMA projects.*

Not applicable. This would be the first round of SNPLMA funding requested for this project.

AGENCY NAME	DESIGN OVERSIGHT	CALCULATED/DESIGNED BY	DATE	REVISOR	BY	REVISION
TAHOE REGIONAL PLANNING AGENCY						



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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Plac	28, 89	0.0 / 0.1 12.1 / 15.1		

REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER  
 R. BRENT LEMON  
 No. 46715  
 Exp. 6-30-07  
 CIVIL  
 STATE OF CALIFORNIA

PLANS APPROVAL DATE \_\_\_\_\_

The County or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

**Quincy Engineering, Inc.**  
 3247 Ramos Circle  
 Sacramento, CA 95827

**Entrix Environmental Consultants**  
 1048 Ski Run Boulevard  
 South Lake Tahoe, CA 96150

Legend	
<span style="color: cyan;">—</span>	Existing Property Boundaries (APN #)
<span style="color: blue;">—</span>	Fanny Bridge West Widening
<span style="color: lightblue;">—</span>	Proposed Route 89 Bridge (alt 4&5)
<span style="color: yellow;">—</span>	Edge of Pavement
<span style="color: red;">—</span>	Centerline
<span style="color: grey;">—</span>	Curb
<span style="color: orange;">—</span>	Striping
<span style="color: orange; border-bottom: 1px dashed orange;">—</span>	Right of Way
<span style="color: orange; border-bottom: 1px dashed orange;">—</span>	Temporary Construction Easement
<span style="color: grey; border-bottom: 1px dashed grey;">—</span>	Cut/Fill Lines
<span style="color: blue; border-bottom: 1px solid blue;">—</span>	Retaining Walls
<span style="color: magenta; border-bottom: 1px solid magenta;">—</span>	Bike Path
<span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Unpaved/Gravel Access
<span style="background-color: lightgreen; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Potential Drainage Basin Locations
<span style="background-color: white; border: 1px solid black; border-style: dashed; display: inline-block; width: 15px; height: 10px;"></span>	Potential Staging Location

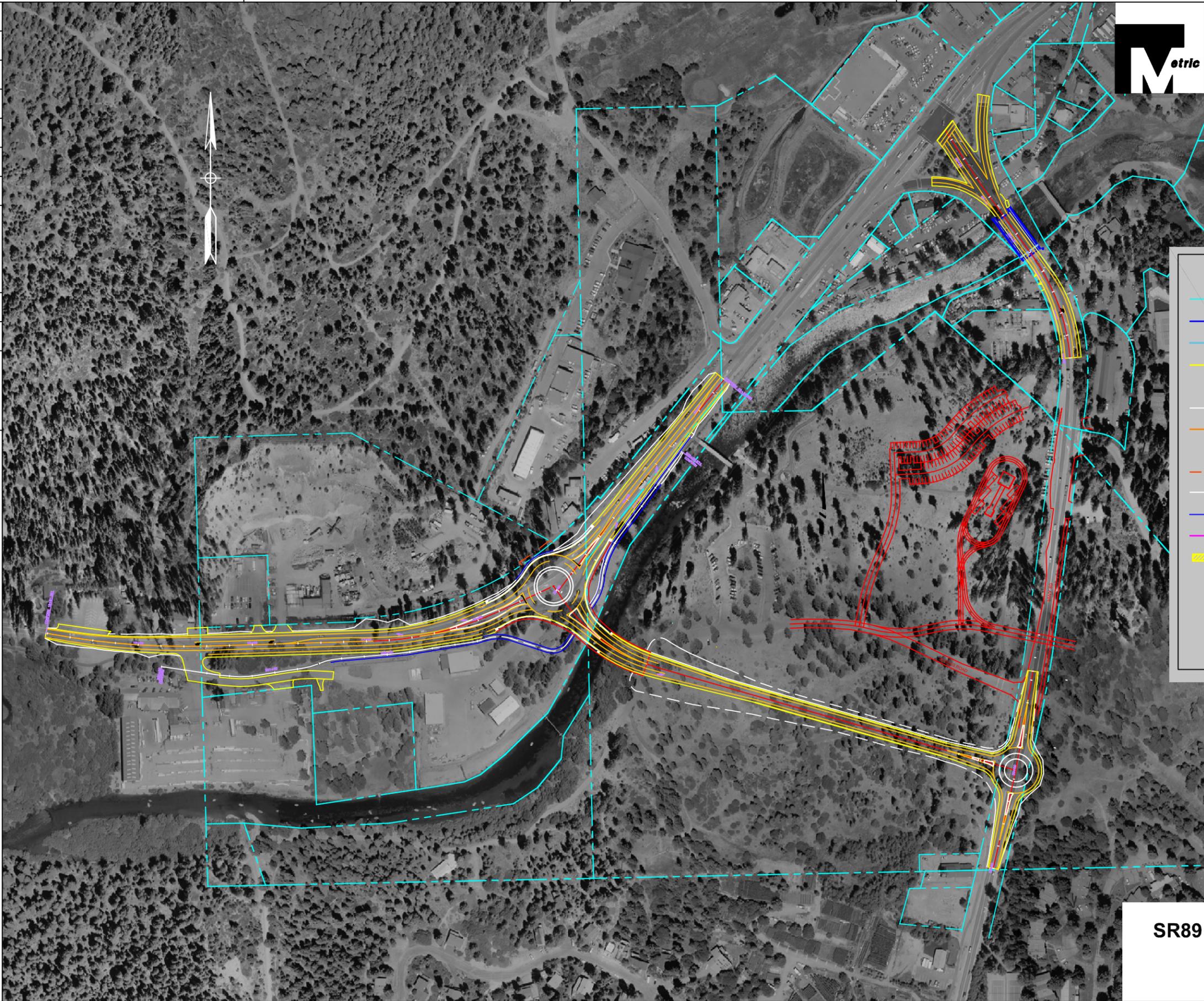
SR89 FANNY BRIDGE PROJECT  
ALTERNATIVE 2

NO SCALE

CU 00000      EA 00000

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AGENCY NAME <b>TAHOE REGIONAL PLANNING AGENCY</b>	DESIGN OVERSIGHT		CALCULATED/ DESIGNED BY	DATE	REVISOR	BY
			CHECKED BY			



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pls	28, 89	0.0/ 0.1 12.1/15.1		

**Metric**  
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**Legend**

- Existing Property Boundaries (APN #)
- Fanny Bridge West Widening
- Proposed Route 89 Bridge (alt 4&5)
- Edge of Pavement
- Curb
- Striping
- - - Temporary Construction Easement
- - - Cut/Fill Lines
- Retaining Walls
- Bike Path
- Unpaved/Gravel Access
- Potential Drainage Basin Locations
- Potential Staging Location

**SR89 FANNY BRIDGE PROJECT  
 ALTERNATIVE 4**  
 NO SCALE

CU 00000      EA 000000

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