

**Appendix B-8**

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

**Project Name:** Spring Creek Road Crossing Construction-Implementation      **Agency:** USDA Forest Service, LTBMU  
**Prepared by:** Kristine Senkier      **Phone:** (530) 543-2783      **EIP #:** 967.113  
**SNPLMA Project #:** \_\_\_\_\_

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

<b>1. Planning, Environmental Assessment and Research Costs (specialist surveys, reports, monitoring, data collection, analysis, NEPA, etc.)</b>	\$ <u>0</u>	<u>0</u>	%
<b>2. Direct Labor (Payroll) to Perform the Project</b>	\$ <u>3,000</u>	<u>1</u>	%
<b>3. Project Equipment (tools, software, specialized equipment, etc.)</b>	\$ <u>0</u>	<u>0</u>	%
<b>4. Travel (including per diem where official travel status required to carry out project, such as serve as COR, experts to review reports, etc.)</b>	\$ <u>0</u>	<u>0</u>	%
<b>5. Official Vehicle Use (pro rata cost for use of Official Vehicles when required to carry out project)</b>	\$ <u>1,000</u>	<u>.3</u>	%
<b>6. Cost of Contracts, Grants and/or Agreements to Perform the Project</b>	\$ <u>234,000</u>	<u>78</u>	%
<b>7. Other Direct Costs (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>	\$ <u>30,000</u>	<u>10</u>	%
<b>8. Indirect Costs</b>	\$ <u>42,600</u>	<u>14</u>	%
<b>TOTAL:</b>	\$ <u>300,000</u>	<u>100</u>	%

**Estimated Key Milestone Dates:**

<b>Milestones/Deliverables:</b>	<b>Date:</b>
<b>Final Completion Date:</b>	<b>December 2009</b>

**COMMENTS:**

## APPENDIX I

### LAKE TAHOE CAPITAL PROJECT PROPOSAL

<b>Project Name:</b> Spring Creek Road Crossing Construction/Implementation	<b>Capital Focus Area:</b> Water Quality Improvements/BMP's	<b>EIP #:</b> 967.113
<b>Lead Agency:</b> USDA Forest Service, LTBMU		<b>Contact:</b> Kristine Senkier
<b>Threshold:</b> Water Quality		<b>Phone Number:</b> (530) 543-2783
<b>Threshold Standard:</b> WQ1- Decrease sediment load from roads		<b>Email Address:</b> ksenkier@fs.fed.us
<b>Is this a multi-year Project?</b> (If "Yes", describe in the Detailed Project Description below number of years or phases and which year the requested funding will cover)	<b>Total Project Cost:</b>	
	<b>Funding Request in this Round:</b>	\$300,000

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

Replacement of stream crossing on road 1307 in the Spring Creek Recreation Residence, designed to pass 100-year storm event and prevent flooding of roadway.

#### **Detailed Project Description:**

The project includes construction of a bridge or embedded concrete box culverts, replacing the current crossing, which currently floods each year. In addition, implementation will include channel adjustments to the gradient for approximately 600 feet upstream and reestablish the inboard ditch of the road. The design and construction contract package is funded by round 5 and is in progress.

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

The objective of this project is to upgrade the existing crossing to safely pass the 100-year event and minimize roadway flooding and potential crossing failure. The project objective is: **WQ-4:** Upgrade all critical drainage facilities and crossing on USFS system roads, trails and recreation facilities to withstand the appropriate storm criteria.

#### **Describe the anticipated project accomplishments:**

Implementation will result in a crossing that will pass 100-year storm event and prevent flooding of roadway and crossing failure.

#### **Describe the "readiness" of this project to move forward (Environmental documentation, etc.):**

NEPA is complete for this project and design and contract preparation are currently in progress and funded by round 5.

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

Partnership includes collaboration with the Spring Creek Home Owner's Association as they will be replacing their waterline that runs under the current crossing.

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

**(1) The questions the monitoring program is designed to answer**

The monitoring program is designed to assess the extent to which the implementation of temporary and permanent BMPs effectively minimizes the generation and transport of sediment, and protects the water quality of Lake Tahoe.

**(2) The monitoring approach**

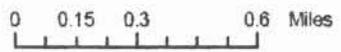
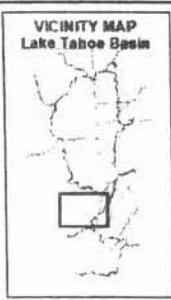
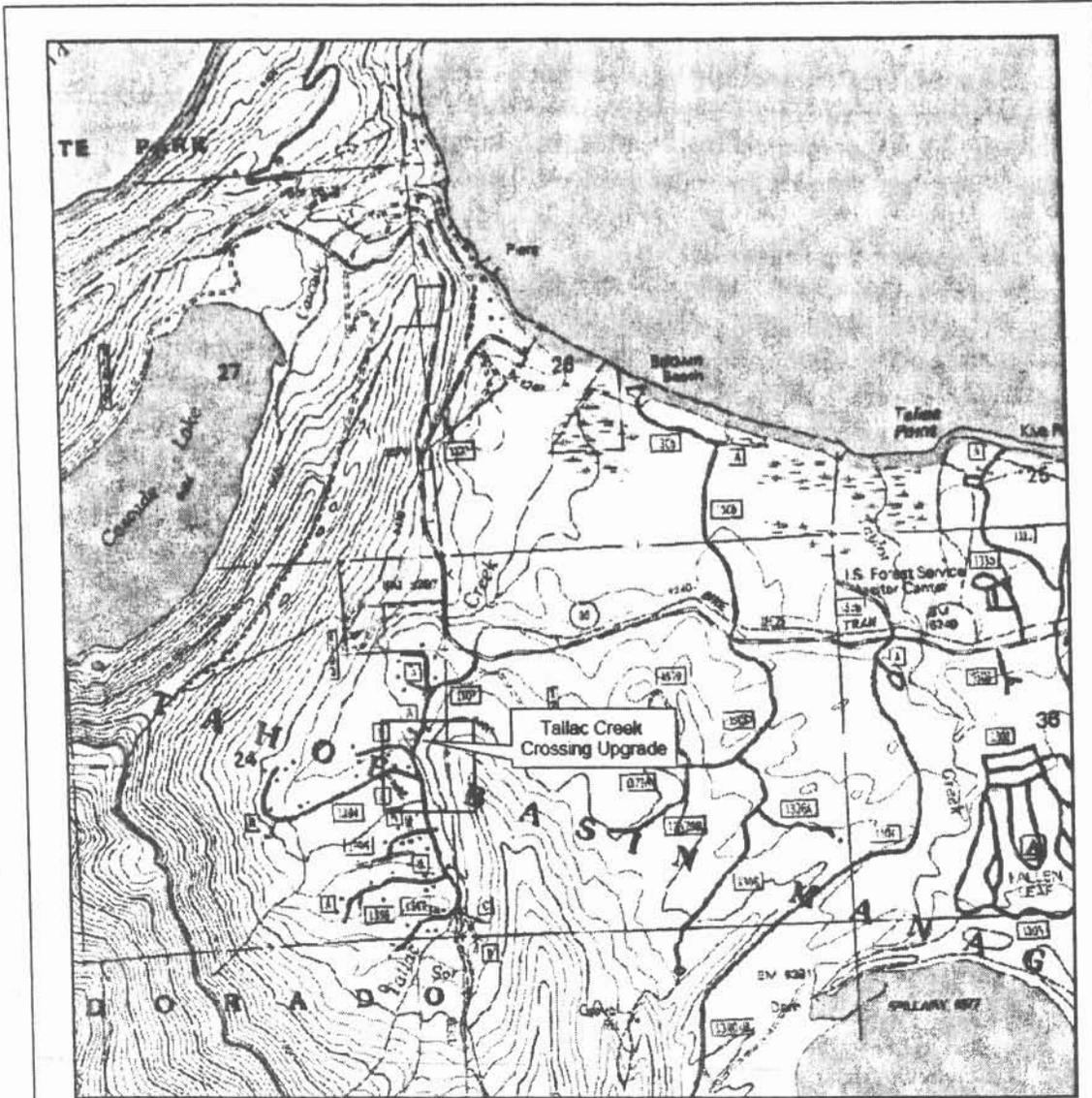
An Adaptive Management approach will be used to monitor the implementation and effectiveness of revegetation areas associated with roads and trails. A major component of the monitoring program will use Region 5 Best Management Practices Evaluation Program (BMPEP) to evaluate the implementation and effectiveness of the BMPs. The program will involve monitoring before, during, and after construction. Pre-construction monitoring will establish a baseline of existing threats to water quality and help to develop a plan to resolve the threats. Construction monitoring will ensure that the resource protection measures specified are both being followed, and are effective. Post-construction monitoring will evaluate the success of the project implementation. The project site will be evaluated for two years in the spring, summer, and fall to measure changes in sediment production and transport. This will be compared against the baseline condition. Evaluation of the effectiveness of this project will enable the Forest Service to take corrective measures and modify monitoring protocols if needed, and improve the design of future water quality BMP efforts.

**(3) Whether this project monitoring fits in to a larger monitoring or research program?**

The results from the monitoring program for this project will be available to help refine the Total Maximum Daily Load (TMDL) model that is currently being developed by the Regional Water Quality Control Board. Monitoring for this project will be performed in conjunction with the Basin-wide BMP retrofit adaptive management monitoring program. The purpose of this program is to determine the need and effectiveness of BMP retrofits on Forest Service roads and trails.

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

The results of the project level monitoring will be compiled in a report that will be updated as the post-construction monitoring is completed. This report will be part of the project record and will be available for public/agency review and use upon request at the LTBMU Supervisors Office.



SNPLMA Project Proposal  
Spring Creek Road  
Tallac Creek Crossing  
Implementation

USDA Forest Service  
Lake Tahoe Basin Management

