

APPENDIX I

LAKE TAHOE CAPITAL PROJECT PROPOSAL

Project Name: Road Planning Operations and Maintenance & BMP Upgrades
Capital Focus Area: Water Quality Improvements / BMP
EIP #: 967

Lead Agency: USDA Forest Service, LTBMU

Contact: Kristine Senkier

Threshold: Water Quality, Soil Conservation

Phone 530-543-2783

Threshold Standard: WQ5-Stormwater Runoff. WQ1-Decrease sediment loads from roads. SC2-naturally functioning sez

Number: ksenkier@fs.fed.us

Is this a multi-year

Email Address:

Total Project Cost: \$1,000,000

Project? YES

Funding Request in this Round: \$250,000

(If "Yes", describe in the Detailed Project Description below number of years or phases and which year the requested funding will cover)

Project Summary (maximum 200 words):

Currently, the U.S. Forest Service (LTBMU) manages roads and parking areas on National Forest system lands that do not meet required thresholds and regulatory BMP standards. This project is to plan, design and implement any outstanding BMP projects on forest service system roads, especially at stream crossings and parking areas. This project is meant to fund projects that were previously not funded in other SNPLMA funding rounds of through normal forest service funding. The goals and objectives of this project is to improve water quality through the installation of BMPs, reduction of coverage, and improved stream function at crossing sites.

Detailed Project Description:

Wherever possible, the enhancement, protection, and reduction of coverage in SEZs are primary design considerations. All prescribed BMPs are considered best available treatments for protecting water quality. As part of the ATM, roads and parking areas will be evaluated by weighing their risk to water quality against their utility for continued access and therefore a priority for implementation. Both administrative (e.g., fire protection, public safety) and public access needs are considered.

Round 7 submittal is the first year of a 4 year multi-project, where \$250,000 will be requested each round to be completed in 2010.

Describe the goals and objectives of the project:

The goals and objectives of this project are the following:

WQ-3: Inventory and evaluate water quality risks associated with all USFS roads, trails and recreation facilities. Provide a plan and public process to determine which roads,

trails and facilities should be maintained, upgraded, relocated or decommissioned. Decommission relocate, maintain or upgrade USFS roads, trails and recreation facilities based on water quality risk assessment and public or administrative need.

WQ-4: Upgrade all critical drainage facilities and crossing on USFS system roads, trails and creation facilities to withstand the appropriate storm criteria.

WQ 6: Upgrade and maintain USFS system roads, trails and recreation facilities in a manner that provides for water quality protection by minimizing rutting, failures, side casting, and blocking of drainage facilities.

Describe the anticipated project accomplishments:

Project implementation will result in upgrades of roads, stream crossings and parking area on National Forest system lands to meet thresholds, regulatory standards and Forest Service objectives.

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

Planning has been completed for some projects areas as part of the road ATM, however newly identified project sites will need to be analyzed through NEPA.

Describe partnerships for this project. (Include documentation):

N/A

Describe the project monitoring that will 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.

**Appendix B-8
LAKE TAHOE RESTORATION PROJECTS
ESTIMATED DIRECT COSTS & KEY MILESTONE DATES**

Road Planning, Operations,
Maintenance, and BMP

Project Name: Upgrades Agency: USDA Forest Service, LTBMU
 Prepared by: Kristine Senkier Phone: (530) 543-2783 EIP #: 967
 #: _____ : _____
 SNPLMA Project

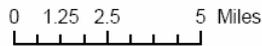
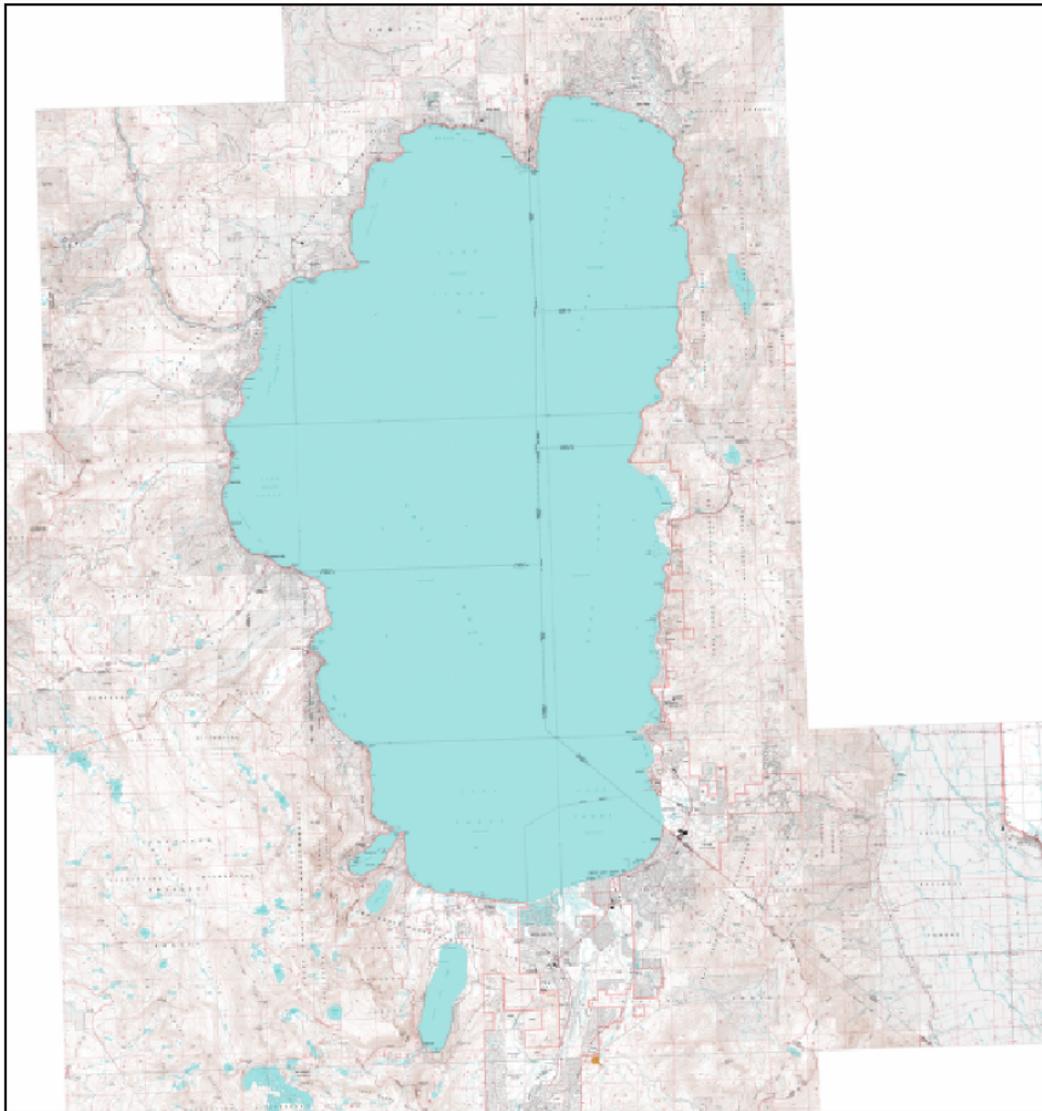
Identify estimated costs of eligible reimbursement expenses:

1. Planning, Environmental Assessment and Research Costs (specialist surveys, reports, monitoring, data collection, analysis, NEPA, etc.)	\$ <u>5,200</u>	<u>2</u>	%
2. Direct Labor (Payroll) to Perform the Project	\$ <u>6,400</u>	<u>3</u>	%
3. Project Equipment (tools, software, specialized equipment, etc.)	\$ <u>0</u>	<u>0</u>	%
4. Travel (including per diem where official travel status required to carry out project, such as serve as COR, experts to review reports, etc.)	\$ <u>0</u>	<u>0</u>	%
5. Official Vehicle Use (pro rata cost for use of Official Vehicles when required to carry out project)	\$ <u>0</u>	<u>0</u>	%
6. Cost of Contracts, Grants and/or Agreements to Perform the Project	\$ <u>158,000</u>	<u>63</u>	%
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)	\$ <u>46,400</u>	<u>18</u>	%
8. Indirect Costs	\$ <u>35,000</u>	<u>14</u>	%
TOTAL:	\$ <u>250,000</u>	<u>100</u>	%

Estimated Key Milestone Dates:

Milestones/Deliverables:	Date:
Final Completion Date:	December 2009

COMMENTS:



SNPLMA Project Proposal Road Planning, Operations, Maintenance and BMP's

USDA Forest Service
Lake Tahoe Basin Management



FOR MORE INFORMATION, CONTACT LAKE TAHOE BASIN MANAGEMENT UNIT
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