

APPENDIX I

ROUND 8 LAKE TAHOE CAPITAL PROJECT PROPOSAL

Project Name: Road Planning, Operations, Maintenance, & BMP Upgrades

Capital Focus Area: Water Quality Improvements/BMP

EIP #: 967

Lead Agency: USDA Forest Service, LTBMU

Contact: Cheryl Schumacher

Threshold: Water Quality, Soil Conservation

Phone Number: 530-543-2858

Threshold Standard: WQ-4 Stormwater Runoff. WQ-6 Decrease sediment loads from roads. WQ-3 Decrease water quality risk.

Email Address: csschumacher@fs.fed.us

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: \$4,991,000

Funding Request in this Round: \$ 950,000

Project Summary (maximum 200 words):

The LTBMU Adaptive Management Group conducted a follow up inventory of the roads water quality risk assessment in 2004 and 2005 to determine the effectiveness of the BMP upgrades. This resulted in the identification of sites that are either new water quality problems or sites that were not implemented due to funding constraints. This project will fund the design and implementation of the second phase of the improvements detailed in the Road Access and Travel Management Plans, including enhancement, protection and reduction of coverage in SEZs as primary design considerations. The project was funded in Round 7 for \$225,000.

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, the transportation system 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), public access and utility needs are considered. Projects will be prioritized based on the ranking of their risk to water quality.

Describe the goals and objectives of the project:

The goals and objectives of this project are the following:

WQ-3: Inventory roads that were not captured under the initial ATM and evaluate water quality risks associated with those roads. Additionally, roads that received upgrades but that are identified as a continued threat to water quality will be evaluated and considered for redesign. Provide a plan and public process to determine which roads should be maintained, upgraded, relocated or decommissioned. Decommission relocate, maintain or upgrade National Forest System Roads based on water quality risk assessment and public or administrative need.

WQ-4: Upgrade all critical drainage facilities and crossings on National Forest System Roads to withstand the appropriate storm criteria.

WQ-6: Upgrade all National Forest System Roads 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 the installation of BMP upgrades on roads and parking areas on National Forest System lands to meet thresholds, regulatory standards and Forest Service design criteria and objectives.

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

Planning has been completed for some projects areas as part of the initial 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

(1) Are Temporary BMPS being adequately designed, implemented and maintained during construction projects?(I)

(2) How are BMPS performing during storm events on roads considered to have moderate to high sediment yield potential?

(2) The monitoring approach

The monitoring approach utilizes qualitative surveys using the Region 5 BMPEP protocols to assess permanent BMP implementation and effectiveness on high risk road segments connected to stream channels during storm events only, and temporary BMP's.

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

This monitoring is part of the LTBMU 5 Year Plan for project level monitoring of Forest management activities as it relates to impacts to Lake Clarity. The results from the monitoring program for this project will be available to provide input to the Total Maximum Daily Load (TMDL) model that is currently being developed by the Regional Water Quality Control Board.

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

Results/accomplishments summarized in Annual Forest Monitoring Program Report, as well as project-specific monitoring reports. Project/Program specific monitoring reports will be produced one to five years after project implementation, depending on the variables being monitored and the questions to be answered.

The information created from this project will be disseminated to three audiences: 1) the general public, 2) other resource agencies, and 3) the broader scientific community. The audiences will be informed respectively through the USFS website, public/interagency meetings, and peer-reviewed publication.

Include an 8 1/2 X 11 map depicting the project.

The work may occur anywhere on National Forest lands within the Lake Tahoe Basin, including both California and Nevada. See attached Map

Appendix B-8

**ROUND 8 LAKE TAHOE RESTORATION PROJECTS
ESTIMATED NECESSARY EXPENSES & KEY MILESTONE DATES**

Road Access and Travel
Management Planning and

Project Name: BMP Upgrades Agency: USDA Forest Service, LTBMU
 Prepared by: Cheryl Schumacher Phone: (530) 543-2858 EIP#: 967
 SNPLMA Project#: _____

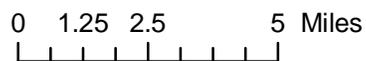
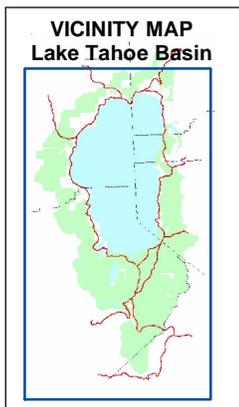
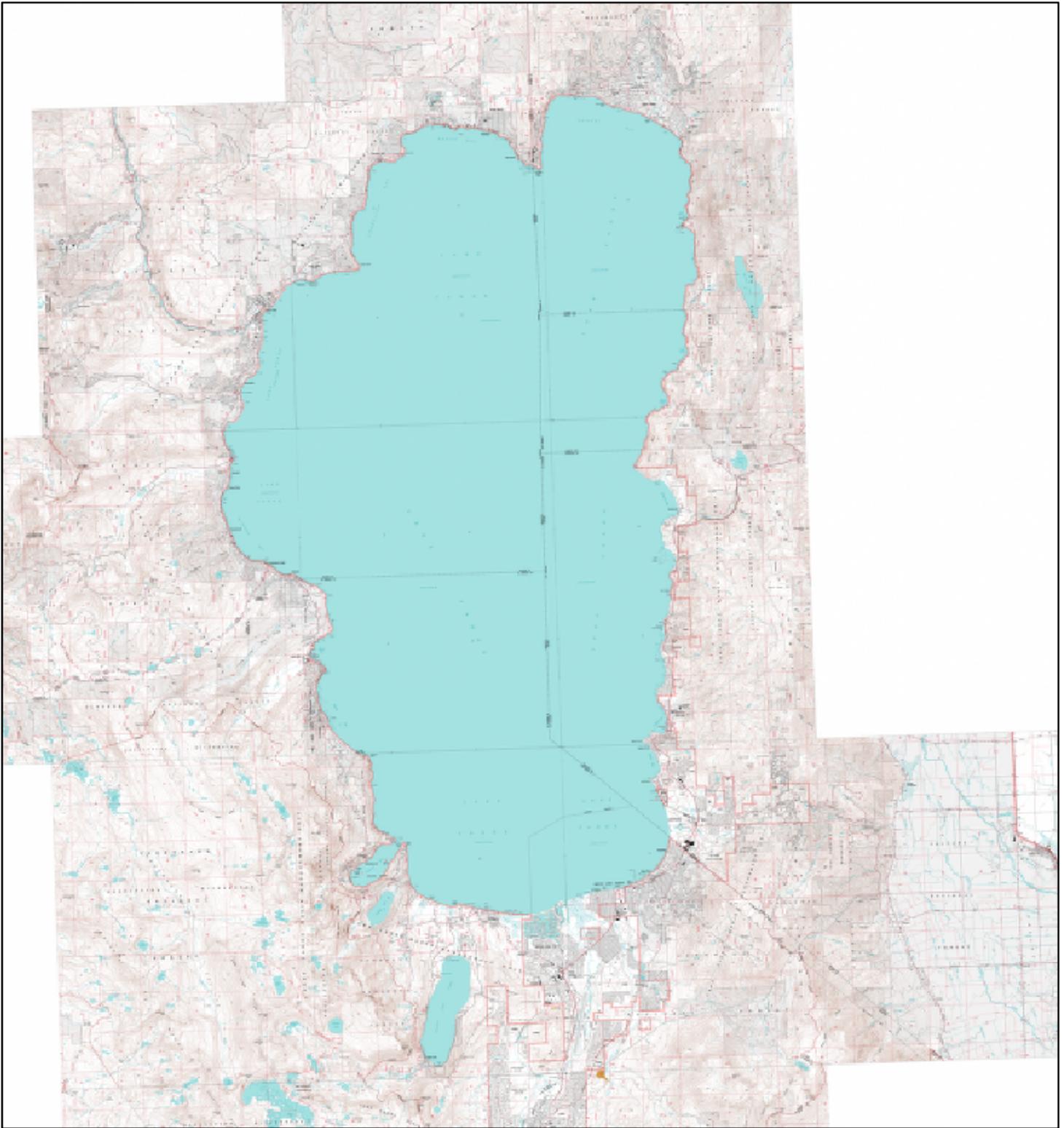
Identify estimated costs of eligible reimbursement expenses:

1. Planning, Environmental Assessment and Research Costs (specialist surveys, reports, monitoring, data collection, analysis, NEPA, etc.)	\$	<u>95,000</u>	<u>10</u> %
2. FWS Consultation – Endangered Species Act	\$	<u>0</u>	<u>0</u> %
3. Direct Labor (Payroll) to Perform the Project	\$	<u>20,000</u>	<u>8</u> %
4. Project Equipment (tools, software, specialized equipment, etc.)	\$	<u>0</u>	<u>0</u> %
5. 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> %
6. Official Vehicle Use (pro rata cost for use of Official Vehicles when required to carry out project)	\$	<u>0</u>	<u>0</u> %
7. Cost of Contracts, Grants and/or Agreements to Perform the Project	\$	<u>711,500</u>	<u>75</u> %
8. Other Direct and Contracted Labor: Agency payroll for the Contracting Officer to do project procurement, COR, Project Inspector, Sec. 106 Consultation if required, NEPA Lead, Project Manager, Project Supervisor, and subject experts to review contracted surveys, designs/drawings, plans, reports, etc.; Also covered is the cost to contract for a Project Manager and/or Project Supervisor if contracted separately from other project contracts)	\$	<u>123,500</u>	<u>13</u> %
9. Other Necessary Expenses (See Appendix B-9)	\$	<u> </u>	<u> </u> %
TOTAL:	\$	<u>950,000</u>	<u>100</u> %

Estimated Milestone Dates:

Milestones/Deliverables	Date:
Final Completion Date:	December 2011

COMMENTS:



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

USDA Forest Service
Lake Tahoe Basin Management



The Forest Service uses the most current and complete data available. GIS data and product accuracy may vary. This report developed from sources of differing accuracy; accuracy only at certain scales. Errors or omissions or incompleteness, while being created or revised, etc. Using GIS products for purposes other than those for which they were created, may pose risks to users or resulting damage. The Forest Service reserves the right to correct, update, modify or replace GIS products without notification.

For more information, contact: Lake Tahoe Basin Management Unit
1600 College Park Drive, South Lake Tahoe, CA 96150
(530) 535-2650 (330) 911-4039 TTY