

F176

**ROUND 12 CAPITAL PROJECT NOMINATION FORM  
LAKE TAHOE FEDERAL SHARE EIP CAPITAL PROJECTS  
APPENDIX K**

<b>Project Name:</b>	Basin Wide Road Access and Travel Management Plan (ATM) Phase II	<b>EIP Number:</b> <i>(Required)</i>	967
<b>Federal Agency Sponsor:</b> <i>(Required)</i>	Lake Tahoe Basin Management Unit	<b>Contact:</b>	Garrett Villanueva
<b>Threshold:</b>	Water Quality	<b>Phone Number:</b>	530-543-2762
<b>Threshold Standard:</b>	WQ-5	<b>Email:</b>	gvillanueva@fs.fed.us
<b>FUNDING REQUESTED IN THIS ROUND:</b>		\$ 500,000	

**Federal Share EIP Consideration**

Select "yes" or "no" for each question. If you have a "yes" response, briefly describe. Projects must meet one or more of these 5 items.

1. Does the project involve federal land? Yes No  
 If yes, is the federal land involved important to successful implementation of the project?

The National Forest System roads within the Lake Tahoe Basin make up approximately 250 miles of forest roads. The Forest Service is prepared to continue to install best management practices on roads to protect Lake Tahoe.

2. Is this project identified in the EIP? If yes, please ensure the EIP number is identified in the above project information box. If no, provide a description of the project's contribution to the EIP program. Yes No

3. Does the project involve the conservation of a federal or regional threatened, rare, endangered, or special interest species? If yes, identify. Yes No

The proposal may reroute existing roads away from established Protective Activity Centers for both Northern Goshawk and California Spotted Owl.

4. Does the project involve an identified federal interest such as the detection and eradication of non-native invasive species (aquatic or terrestrial)? If yes, identify. Yes No

5. Does the project develop knowledge and/or information to develop future capital projects in the EIP? (such projects that fulfill this function would include technical assistance, data management, and/or resource inventories) Yes No

Resource inventories from this project may be applicable to other projects in the area.

Check all Capital Focus Area(s) that apply (as defined in the Federal Vision):

- 1. Watershed and Habitat Improvement
- 2. Forest Health
- 3. Air Quality and Transportation
- 4. Recreation and Scenic

Check all that apply (must meet a minimum of one category):

- 1. Continued emphasis on forest ecosystem health/fuels reduction projects considering the LTBMU Stewardship Fireshed Assessment and Lake Tahoe Basin Multi-Jurisdictional Fuels Reduction and Wildfire Prevention Strategy.
- 2. Continued implementation and/or completion of projects approved in Rounds 5 through 11 which implement the EIP. Project proposal should clearly describe the phase/product being produced along with the consequence of not completing the project phase proposed for Round 12.

*List Previously Approved Rounds and funding(provide project titles):*

The following SNPLMA projects have been or are being implemented:

Round 7 F089 Road and BMP Upgrades

Round 8 F116 Basin Wide Road Best Management Practice Upgrades

- 3. Project is consistent with and contributes toward TMDL pollutant reductions within the four source categories (atmospheric, urban & groundwater, forested uplands, and stream channel). *NOTE: If "yes", then please respond to questions in the Accomplishments section of the nomination proposal.*
- 4. Control of aquatic invasive species and prevention and/or detection of new aquatic invasive species.

## Project Nomination Proposal Outline

### **Project Summary (a brief summary which clearly describes the proposed project –maximum 200 words)**

- Summarize ONLY the Round 12 project (also summarize scaling of funding to be described in more detail in the “Project Description” section below).

The Road Access and Travel Management plans are methodically moving around Lake Tahoe to analyze the current road system and make changes to establish a sustainable road system that is protective of ecological and historical resources while providing access to National Forest. Initial road ATMs were funded as through the Presidential Deliverables, then the Lake Tahoe Restoration Act and lastly through SNPLMA. The initial ATMs focused primarily on road decommissioning and 108 miles of roads were closed and restored as a result.

### **Project Description**

#### **Introduction**

- Provide project background which explains the situation and state the problem and how it will be addressed.

*Note: Focus needs to be the project in Round 12 not a history of an ongoing project or program.*

Both the High Meadows Road projects are contributing to resource issues including sedimentation of surface water and soil loss. The High Meadows road project would correct erosion and sedimentation issues that result from a lack of best management practices being used on the formerly private road.

- Describe what Round 12 is specifically funding; list the number of years the requested funding will cover; briefly describe how this project links into previous projects/rounds (identify and describe other round projects and funding received). Show scaling of project (reduced funding request and associated reduction in accomplishments).

*NOTE: Focus should be on finishing current/phased projects. If project is new in Round 12, clearly identify if the project is for planning or implementation and how it will be completed with Round 12 funds. Identify if other funds will be needed to complete the project. Please identify total non-SNPLMA funds that are being contributed/dedicated to the proposed Round 12 project and the source of those funds.*

The Road Access and Travel Management plans are methodically moving around Lake Tahoe to analyze the current road system and make changes to establish a sustainable road system that is protective of ecological and historical resources while providing access to National Forest. Initial road ATMs were funded as through the Presidential Deliverables, then the Lake Tahoe Restoration Act and lastly through SNPLMA. The initial ATMs focused primarily on road decommissioning and 108 miles of roads were closed and restored as a result.

The following projects would be completed for the round 12 request:

High Meadows Road BMP Upgrades is associated with the round 5 F019 project. NEPA was completed for this project during that project. The project will complete upgrades that were analyzed in the NEPA document.

Work would be completed in FY12, FY13 and FY14.

F089 Road and BMP Upgrades

Funding was used for the planning of water quality upgrades on various roads and for implementation of the Genoa Peak Restoration Project.

Round 8 F116 Basin Wide Road Best Management Practice Upgrades

Completed 32 miles of ditch clearing, culvert cleaning and leadoff ditch cleaning around the basin, not including in the north shore area (covered in F099). Road inventories have been complete for FY11 projects. Road regrading and additional ditch cleaning are planned for FY11. Regrading projects will be designed to improve road drainage and further protect water quality. Additional road inventories will continue road upgrades on the 250 mile road system. Additional funding will allow for more of the roads to be upgraded for resource protection.

- Describe the “readiness” of this project to move forward (urgency, capacity, capability, environmental documentation, interagency agreements, etc).

The above work is able to be complete with Categorical Exclusions which may be completed in as little as 30 days. The easement to relocate the road at High Meadows needs to be negotiated prior to implementation of the project.

- Describe partnerships for this project. (if applicable, project should identify and describe committed/secured partner funding and/or other partner contributions and how it is integrated into the project).

Partnerships with the private land owner of the High Meadows parcel are possible and perhaps likely. Partners could address permitting, planning and approval as well as provide funding for additional road work.

*Note: The form requests information about project goals, objectives, accomplishments, and questions the program is designed to answer across several different sections. These issues are closely linked and your individual responses should provide a cohesive description.*

**Goal – Purpose and Need (“larger” statement of future expected outcome – usually not measurable)**

The purpose and need for this project is to establish long term sustainable access to National Forest System Lands. In addition, this project will reduce existing impacts to water quality and soil resources.

**Objectives (specific measurable statements of action – Round 12 only - which when completed will move towards achieving the goal)**

*Note: Objectives will form the basis for the milestones/deliverables to be identified in Appendix B-8*

- Describe how fulfilling objectives will contribute to the achievement of one or more environmental thresholds (air quality, water quality, soil conservation, vegetation, fisheries, wildlife, scenic, noise, recreation). Provide measures if applicable. For example: acres treated, miles of stream restored for each objective.

Upgrading and perhaps rerouting the above roads would provide improvement to water quality, soil conservation, fisheries, and wildlife.

Water quality – Roads will receive best management practice upgrades to reduce hydrologic connectivity of the road to surface water and riparian zones.

Soil Conservation – Installation of best management practices will reduce soil loss substantially. Currently these roads are unstable and continuously eroding. Upgrades will stabilize the road surfaces.

Fisheries – Reduced sedimentation will benefit fisheries.

Wildlife – Erosion and sediment reduction will improve and protect wildlife habitat.

- Describe the estimated environmental risks from unintended consequences of the proposed project (if applicable).

Short term impacts from construction of these projects will result, however the use of temporary best management practices to protect against erosion and sedimentation are intended to minimize short term adverse affects.

## Accomplishments

- Describe the anticipated project accomplishments (i.e. products or identifiable environmental benefits being produced or implemented under this project), and how the project results/accomplishments will be communicated and made available to the public.  
*Note: Differentiate between direct and/or primary project effects and secondary and/or overall watershed effects.*

The round 12 Basin Wide Road ATM Upgrades Phase II will provide funding to further establish a sustainable road system on National Forest System Lands within the Lake Tahoe Basin.

The following projects are identified for future work:

Reroute of the High Meadows road.

Negotiation of new easement

New construction: 1 mile

Stream crossing upgrades: 4

Close and restore: 1 mile

Cost: \$500,000

The result of not funding this project would be that only the following would be accomplished:

Negotiation of new easement

New construction: 1 mile

Stream crossing upgrades: 4

Close and restore: 1 mile

Accomplishments will be communicated to the public through the LTBMU website.

- If you checked “yes” for the project being consistent with and contributing to TMDL pollutant reductions, please consider and integrate the following in the project description:

a) Describe whether, and how, the project demonstrates advanced, alternative, or innovative practices.

The project will use the latest designs and techniques to achieve project goals. Designs will include drainage dips designed for longevity and minimize ditch “daylighting”. Thus drainage outlets will need less maintenance in the future and will be allowed to revegetate and stabilize.

b) If project includes project level monitoring, describe ability of proposed monitoring strategy to contribute to the state of TMDL knowledge. Also describe if purpose of the capital project is to conduct data collection and/or analysis related to Lake Tahoe clarity.

Hydrologists will review pre and post project effects using the LTBMU water quality assessment protocols. Results from the monitoring will be shared with project engineers and included in the 5 year monitoring report which is distributed through the LTBMU website for the public.

Project level monitoring would occur by personnel overseeing contractors and include daily diaries. In addition, an erosion control plan will be developed and used during the project. At the end of the project a summary report will be prepared summarizing changes to the erosion control plan and effective temporary best management practices.

c) Describe treatment approach for reducing pollutants and/or measures to address connectivity between pollutant sources and Lake Tahoe or its tributaries. Identify target pollutants, and, to the degree feasible, provide quantitative estimates of project effectiveness at reducing pollutant loads (and/or a commitment to provide post-project estimates).

The project is designed to reduce if not eliminate sediment contribution to surface water. This will be achieved by using complete bridge spans of the 100 year flow, using road aggregate surfacing with subgrade stabilization, and increasing drainage frequency.

d) If appropriate, describe whether, and how, the project can be combined or coordinated with other TMDL implementation projects.

## Monitoring

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

- List the questions the monitoring program is designed to answer.

The project implementation will be monitored to ensure that temporary construction BMPs and permanent site improvements are both installed as intended, and that they are effective at reducing threats to water quality and clarity.

- Describe any coordination with, or input from, the science community on monitoring and adaptive management that has occurred on the development of this nomination and what changes (if any) to the project were made as a result of this input.

Results from the monitoring of this project's implementation will be summarized in an annual BMP report. Every five years these reports are consolidated into a five-year comprehensive report which evaluates trends and provides feedback to project managers and designers to improve future BMP design.

- Describe the methods and strategies (i.e. monitoring, research, or both) that will be used to verify whether the project goals and objectives have been met? (*Note: A detailed monitoring plan and/or research plan is not required, however, enough detail must be provided to allow someone that is unfamiliar with the project to understand and evaluate the proposed methods and strategies.*)

Temporary BMPs and permanent improvements will be reviewed by resource specialists during the engineering design phase of this project to ensure they meet USFS and local standards. The project will be monitored by USFS hydrologists in accordance with the Storm Water Protection Plan (SWPP) to ensure the maintenance and effectiveness of temporary BMPs. This monitoring will utilize qualitative protocols similar to those used in the USFS Region 5 BMP Evaluation Program (BMP EP). Any deficiencies will be documented and communicated to the construction administrator. Additionally, the construction administrator will conduct regular site inspections during implementation to ensure compliance with contract documents and all specified environmental protection measures.

The project will be included in the pool of construction projects to be monitored under the USFS Region 5 BMP EP. If the project is randomly selected from this pool it will be monitored by USFS hydrologists following implementation to ensure the project's permanent improvements are effective. This monitoring will be based on established qualitative analysis protocols. Any deficiencies identified will be communicated to the LTBMU's engineering staff to evaluate cause/effect and to correct any BMP shortcomings.

- Describe whether the monitoring or research associated with this project fits into or is part of a larger monitoring or research program.

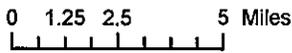
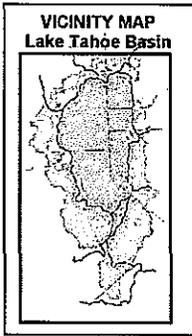
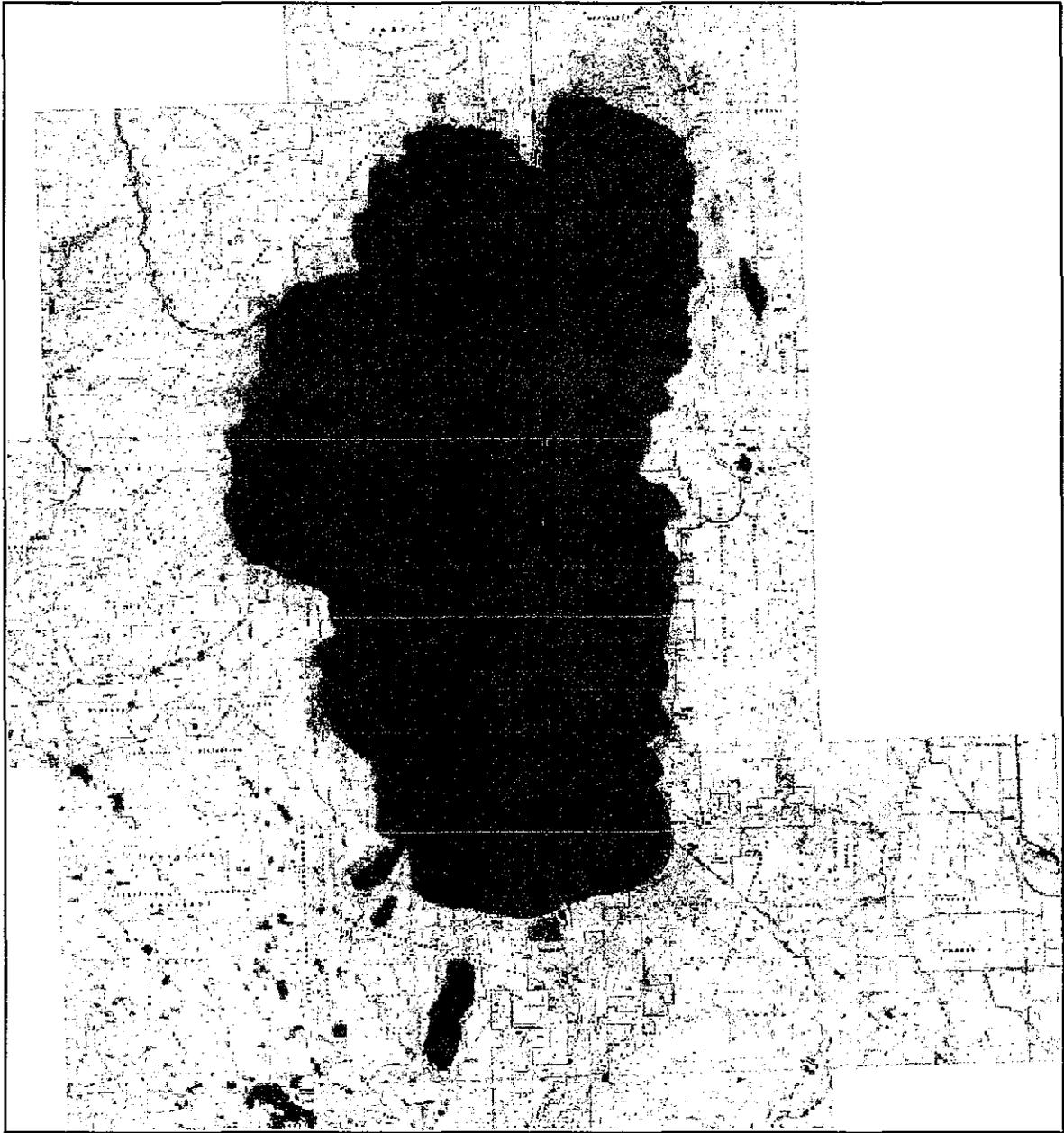
Results from the monitoring of this project's implementation will be summarized in an annual BMP report. Every five years these reports are consolidated into a five-year comprehensive report which evaluates trends and provides feedback to project managers and designers to improve future BMP design.

- Describe how information from the monitoring and/or research will be used to improve the continued performance of the proposed project or future similar projects.

Results from monitoring will be used to verify or make changes to designs that will benefit this project and other projects.

**Attachments**

- If applicable, include 8 ½ X 11 map depicting the project



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

**USDA Forest Service**  
**Lake Tahoe Basin Management**



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**Appendix B-8**

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

Project Name:	Basin Wide Road ATM Phase II	Agency:	US Forest Service, LTBMU
Prepared by:	Garrett Villanueva	Phone:	530-543-2762
SNPLMA Project #:		EIP #:	967

**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. FWS Consultation – Endangered Species Act</b>	\$ _____	_____ %
<b>3. Direct Labor (Payroll) to Perform the Project</b>	\$ 100,000	20 %
<b>4. Project Equipment</b> (tools, software, specialized equipment, etc.)	\$ _____	_____ %
<b>5. 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>6. Official Vehicle Use</b> (pro rata cost for use of Official Vehicles when required to carry out project)	\$ 12,500	2.5 %
<b>7. Cost of Contracts, Grants and/or Agreements to Perform the Project</b>	\$ 327,500	65.5 %
<b>8. Other Direct and Contracted Labor:</b> 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 contract(s)	\$ _____	_____ %
<b>9. Other Necessary Expenses</b> (see Appendix B-11): Indirect costs associated with implementing a project, such as support services, budget tracking etc.	\$ 60,000	12 %
<b>TOTAL:</b>	\$ 500,000	100 %

**Estimated Key Milestone Dates:**

<b>Milestones/Deliverables:</b>	<b>Date:</b>
Complete planning and designs	12/31/2013
Complete construction	11/30/2015
Project Closeout	6/1/2016
<b>Final Completion Date: 6/1/2016</b>	

**COMMENTS:**