



Technology & Development Status Report

Engineering Program

FY 2009



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PROJECT: **AOP Training CD** **CENTER:** [SDTDC](#)
Number: 6E61L13 **PROGRAM LEADER:** [Alan Yamada](#)
SPONSOR: James Demby **Project Leader:** [Greg Napper](#)
Proposer: [Alan Yamada](#)

PROJECT OBJECTIVES

SDTDC has developed training workshops for the assessment and design of Aquatic Organism Passages at road-stream crossings. These workshops have been held throughout the nation in the past two years. SDTDC will continue to sponsor these workshops through FY2006. The information is useful and valuable to field personnel involved in the design of AOP structures. Many field personnel are not able to attend these workshops due to budget constraints, conflict in schedules, and lack of available time. A tool is needed to bring the workshop information to the field personnel.

OBJECTIVE:

Develop a training CD similar to the

[Riparian Roads and Restoration](#), Training CD. Include the video of the presenter with the PowerPoint presentation. Allow the user to jump to the subject matter without having to view the presentation in a linear format. Include the subjects that are presented at the national AOP design workshops.

Changes to objectives:

To develop an e-Learning Web based and CD application that fully instructs on the topic of Stream Simulation Design.

The AOP e-Learning application will provide an executive summary introduction, general introductory lessons in some of the relevant sciences such as biology, hydrology and geomorphology, and will practice the learners skills in up to 8 case studies. Interactive exercises will challenge and test learners knowledge in Stream Simulation Design against the experience and expertise of the instructors from the National Workshop "Designing for [Aquatic Organism Passage](#) at Road Stream Crossings". The application will also include a searchable version of the complete Design Manual "Stream Simulation: an ecological approach to road-stream crossings". The e-Learning application will be a cross-platform (PC/Mac), interactive presentation that will deploy over the Internet and on CD-ROM.

The objective of the training CD is to provide engineers, biologists, hydrologists, and other engaged disciplines the necessary information and skills to design stream crossing structures that will accommodate aquatic organism passage, provide for more natural channel function, and maximize the structure's long-term stability. The primary design approach is stream simulation. The overall goal is stream restoration!

SIGNIFICANT ACCOMPLISHMENTS

- Agreement with USDA BMTS and completion of USDA AD-845.
- Commitment & Obligation Request form FS-6500-224.
- Recorded screen capture and audio for entire workshop combining presentation in Alaska, Missouri, Michigan, and Oregon. Transcripts of these recordings will be developed.

- Completion of Request for Proposals (Scope of Work) for e-Learning and Web based training.
- Draft shot plan and shot record completed.
- Contract awarded to Kosmo Bates for consulting services.
- Detail for Kim Johansen drafted.
- Scope of work for Dan Cenderelli approved.
- Case study sites were identified at Hogback Creek on the Lolo National Forest and at Summit Creek on the Wallowa Whitman National Forest. Filming of the sites according to the shot plan has been completed at both sites, including aerial shots and some interviews.

Output:

Planned: Scheduled pre-bid meeting for November 29th 2006.

Contract award February 2007.

Actual: Visit our Project WEB site!

[WEB Page](#)
