

***National Park Service***  
***Challenge Cost Share Project Accomplishment Report***

***Return form to: Lewis and Clark National Historic Trail, Challenge Cost Share Program, 601 Riverfront Drive, Omaha, NE 68102***

**Project Name or Title:** Lewis and Clark gNET Enterprise Resource Planning & Interactive Map Server

**Project Number:** CCS # FY04-144

**Project Coordinator:** Dr. Ken Dick

**Address, Phone, & Email:**

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**Field Area:** Midwest Region

**Park or Trail:** Lewis and Clark National Historic Trail

Briefly describe the Trail project products and results in measurable terms (provide details so that project results and benefits can be publicized). Attach reports, documents, pictures, invoices and/or final product example as needed:

During the 2004 fiscal year (FY 04), the following tasks were completed.

**3D**

- Created storyboard for opening animation (intro movie) for new Flash site
- Installed 3D software in conjunction with College of Fine Arts
- Modeled 3D interface for new site
- Started 3D intro animation for new site: modeled eagle, Lewis, Sacagawea

**General**

- Presented a session and held a booth at the Midwest Internet Institute for gNET
- Moved office locations from 356 to 367
- Started and completed project plan for new Flash site.
- Started and completed new database design: ERDs, form flow, data flow diagrams.
- Started and completed review of admin process for video and events
- Taught a class for Neal Top in the College of Education, talking about Lewis and Clark gNET and what it takes to create the site
- Recreated, printed, and folded 300 brochures for Durham Western Heritage Museum event
- Content Manager (G. Isaeva) won an essay contest and received a trip to the United Arab Emirates where she presented the educational perspective of the Lewis and Clark gNET website
- Created educational brochure, technical brochure, and a wall poster to highlight project and encourage use and visibility among educators and partners
- Worked on logo development
- Completed CCS application for 2005
- Completed interim reports for year 1 and year 2

- GIS / Map development takes lower priority as videos become priority one
- Purchased new sound software for loops, effects, and sequences
- Successfully adjusted 05 CCS application to account for receiving 40% of requested budget. Required moving to "maintenance mode" earlier than expected
- Upgraded NetApp NAS unit software and firmware
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#### **Personnel**

- Interviewed 6 students for "Content Manager" position
- Interviewed 1 student for "GIS" position
- Hired Gulnora and Chris as Content Managers/Education Liaisons
- Posted positions for Video Editors, GIS Specialists, and Webs Developers
- Transitioned from Greg Nunamaker to Zac Fowler as Project Manager
- Hired temporary video editors to catch up with 2004 videos

#### **Videos**

- Updated video search pages with expandable lists and highlighted search terms
- Updated post-production lab with new IBM computers provided by PKI.
- Ordered and installed multiple firewire hard drives for video editors
- Received and dubbed more tapes from NPS for 2004
- Added FLV (Flash Video) format to archive videos
- Fixed various encoding and capturing problems with Avid
- Adjusted post production lab image to fix issues with Cleaner and Avid
- Moved machine to 367 from post production lab, dedicated to compressions
- Completed capturing and archiving presentations from 2004 videos
- Compressions are now automated using Sorenson Squeeze software
- Designed new system for post production lab
- Implemented new system for post production lab, process of capturing archives, compressing, and posting them is now streamlined
- Completed put online 76 video presentations from Corps II

#### **Website**

- Completed new "green" version of gNET website with Flash menu system
- Fixed search functions on calendar
- Added driving directions to calendar results
- Researched trivia system for online game
- Implemented and then discontinued (per NPS request) photo library system
- Completed video flyby system using Red Hen videos and GPS/XML data
- Researched Flash technologies to incorporate their use into the new site design
- Designed pages and subpages for new Flash site
- Completed main tree animation for new Flash site
- Created wrapper program to convert database queries to XML, to be used with Flash
- Planned and completed conversion from old database to new database
- Created Flash system for new site using XML queries to database
- Completed Videos, Lesson Plans, Links, and Journals page for new site
- Developed audio for new site
- "No new redesigns" for the site
- Moving to "maintenance mode"
- Created internal help page for developers with code snippets

**List All Participating Partners:** (Include Federal Agencies and Native American participants as specified in original grant application or additional involvement since beginning.)

The Peter Kiewit Institute  
University of Nebraska at Omaha  
Army Corps of Engineers  
IBM  
ESRI

First National Technologies  
Network Appliance  
Red Hen Systems, Inc.

**Detail Volunteers used:** (Attach volunteer worksheet if volunteers are used during the project and CCS funds are used to directly support them.)

Number of Volunteers: 0 Total Number of Hours: 0

Rate/value used for cost accounting: \$ \_\_\_\_\_ 0 \_\_\_\_\_

(NPS value for volunteers is \$17.69 per hour.)

Justification for rate if different than NPS value:

**Where and how have you acknowledged NPS support?**

NPS is acknowledged on all published materials, printed or electronic, using links to the NPS website and/or NPS logos. Additionally, when tours of PKI are given to prospective students, visiting business leaders, and government officials, the NPS/PKI partnership is always highlighted as a stop on the tour, pointing out equipment purchased or donated for the project, as well as describing the support NPS has given through the collection and management of video tapes from the Corps II traveling exhibit.

