

National Trails Intermountain Region

FY 2011 Superintendent's Annual Report Aaron Mahr, Superintendent

P.O. Box 728
Santa Fe, New Mexico, 87504



Dedication for new wayside exhibits and highway signs for the Santa Fe National Historic Trail through Cimarron, New Mexico



Contents

- 1 **Executive Summary**

- 2 **Administration and Staffing**
 - ↳ Organization and Purpose
 - ↳ Budgets
 - ↳ Staff
 - ↳ NTIR Funding for FY11

- 4 **Core Operations**
 - ↳ Partnerships and Programs
 - ↳ Feasibility Studies
 - ↳ California and Oregon NHTs
 - ↳ El Camino Real de los Tejas NHT
 - ↳ El Camino Real de Tierra Adentro NHT
 - ↳ Mormon Pioneer NHT
 - ↳ Old Spanish NHT
 - ↳ Pony Express NHT
 - ↳ Santa Fe NHT
 - ↳ Trail of Tears NHT

- 23 **NTIR Trails Project Summary**
 - ↳ Challenge Cost Share Program Summary
 - ↳ ONPS Base-funded Projects
 - ↳ Projected Supported with Other Funding















- 27 **Content Management System**
- 27 **Volunteer-in-Parks**
- 28 **Geographic Information System**
- 30 **Resource Advocacy and Protection**
- 32 **Route 66 Corridor Preservation Program**
 - ↳ Route 66 Cost Share Grant Program
- 34 **Tribal Consultation**

- 35 **Summary**

Acronym List

BEOL - Bent's Old Fort National Historic Site
BLM - Bureau of Land Management
CALI - California National Historic Trail
CARTA - El Camino Real de Tierra Adentro Trail Association
CAVO - Capulin Volcanic National Monument
CCSP - Challenge Cost Share Program
CESU - Cooperative Ecosystem Studies Unit
CMP/EA - comprehensive management plan/environmental assessment
CTTP - Connect Trails to Parks
DOT - Department of Transportation
EA - environmental assessment
ELCA - El Camino Real de Tierra Adentro National Historic Trail
ELTE - El Camino Real de los Tejas National Historic Trail
FAA - Federal Aviation Administration
FOLS - Fort Larned National Historic Site
FONSI - Finding of No Significant Impact
FOUN - Fort Union National Monument
FS - feasibility study
FY - fiscal year
GIS - Geographic Information System
GPRRAM - Great Platte River Road Archway Monument
MOPI - Mormon Pioneer National Historic Trail
NHT - national historic trails
NPEA - National Pony Express Association
NPS - National Park Service
NTIR - National Trails Intermountain Region
NTS - National Trails System
OCTA - Oregon-California Trails Association
OLSP - Old Spanish National Historic Trail
OREG - Oregon National Historic Trail
OSTA - Old Spanish Trail Association
PECO - Pecos National Historic Park
POEX - Pony Express National Historic Trail
RFQ - request for quote
ROSI - Route 66 Corridor Preservation Program
RTCA - Rivers, Trails, and Conservation Assistance
SAFE - Santa Fe National Historic Trail
SCC - Student Conservation Corps
SFTA - Santa Fe Trails Association
SHPO - State Historic Preservation Office
SOW - scope of work
SRS - special resource study
TOTA - Trail of Tears Association
TRTE - Trail of Tears National Historic Trail
USFS - United States Forest Service
USFW - United States Fish and Wildlife Service

Executive Summary of FY 2011 Accomplishments (October 1, 2010 - September 30, 2011)

-  Held public scoping meetings, conducted consultations, and started sections of the EA for the FS that will examine possible additions to the OREG, CALI, MOPI, and POEX NHTs.
-  Completed scope of work and request for quote to complete sections of the EA as part of the FS for Chisholm and Great Western NHT and for Butterfield Overland Trail.
-  Completed comprehensive management plan and environmental assessment for ELTE.
-  Completed Multiple Property Documentation Forms for OLSP and ROSI through a cooperative agreement; and completed 30 National Register nominations for three trails: 17 on ELCA, seven on SAFE, and six on OLSP.
-  Hosted a design charette in Tuscumbia, Alabama for Tuscumbia Landing and a 45-mile retracement trail from Decatur to Tuscumbia in Alabama for TRTE.
-  Certified 12 sites on ELCA, three sites on TRTE, and one on ELTE.
-  Initiated 10 projects through the ROSI Cost Share Grant program.
-  Completed 18 Challenge Cost Share Projects across nine NHTs.
-  Conducted four Tribal Listening Sessions for tribes associated with the trails.
-  Completed a 3-year teacher internship program (through a Challenge Cost Share cooperative agreement) to train public school instructors in teaching and curriculum development covering historic emigrant trails.
-  Completed 56 new and four replacement wayside exhibits across six NHTs.
-  Dedicated visitor-use sites and exhibits at: (1) Jornada del Muerto in New Mexico for ELCA, (2) Dodge City Ruts outside of Dodge City, Kansas for SAFE, and (3) Great Platte River Road Archway Monument in Kearney, Nebraska for OREG/CALI/MOPI/POEX.
-  Completed Central Wyoming College 3-year Archaeological Field School along Middle Sweetwater River of the OREG, CALI, MOPI, and POEX NHTs.
-  Completed archaeological research at an 18-century Caddo site in Nacogdoches County, Texas for ELTE through a contract.

Administration and Staffing

The National Trails Intermountain Region offices in FY11 administered nine national historic trails, a historic highway, and conducted four ongoing trail feasibility studies.

Organization and Purpose

NTIR staff in Santa Fe and a branch office in Salt Lake City administer the California, El Camino Real de Tierra Adentro, El Camino Real de los Tejas, Mormon Pioneer, Old Spanish, Oregon, Pony Express, Santa Fe, and Trail of Tears NHTs and the Route 66 Corridor Preservation Program. ELCA and OLSP are coadministered with Bureau of Land Management.

Budgets

In FY11, NTIR received a total of \$3,533,500 in ONPS funding. In addition, NTIR received \$339,000 for planning (three feasibility studies), and \$40,000 for completion of National Register nominations on six NHTs. See Table 1 for a breakdown of funding by trail.

Staff

New staff included Interpretive Specialists Lynne Mager and Kimberly Finch, Landscape Architects Coreen Kolisko and Kristin Van Fleet, Outdoor Recreation Planner Gretchen Ward, and Cultural Resource Specialist Michael Elliott. Interpretive Specialist Ann Marie Ballou moved to another park site in January 2011. Sixteen Star Awards were given.



NTIR staff, October 28, 2010 at El Rancho de las Golondrinas along ELCA.

Table 1. NTIR Funding for FY11

<i>Funding Source</i>	<i>Trail or Program</i>	<i>Received</i>
ONPS	Santa Fe National Historic Trail	\$715,600
	Trail of Tears National Historic Trail	\$493,900
	Route 66 Corridor Preservation Program	\$291,600
	Masau Trail	\$ 33,700
	El Camino Real de Tierra Adentro National Historic Trail	\$286,800
	Old Spanish National Historic Trail	\$244,300
	El Camino Real de los Tejas National Historic Trail	\$198,800
	California National Historic Trail	\$348,100
	Mormon Pioneer National Historic Trail	\$242,300
	Oregon National Historic Trail	\$428,200
	Pony Express National Historic Trail	\$250,200
	TOTAL ONPS	
IMR Cultural	Santa Fe Trail National Historic Register Nominations	\$40,000
Planning	Butterfield Overland Trail Special Resource Study	\$139,000
	Chisholm and Great Western NHT (Cattle Trails) Study	\$170,000
	Four Northern Trails Feasibility Study	\$30,000
TOTAL PLANNING		\$339,000
TOTAL		\$3,912,500

OREG, CALI, MOPI, and POEX all cross the Continental Divide at South Pass, Wyoming.



Operations

NTIR remained well below the target fixed cost ratio of 93 percent due to budget increases in FY09 and FY10. The budget cost projection, using FY10 as a base model, was revised near the end of FY10 and provided management with a more accurate framework for budget planning for out years.

Partnerships and Programs

Each of our national historic trails has a primary partner organization that supports trail-related research, interpretation, development, and promotes public interest and heritage tourism. NTIR provides some level of administrative support to each of these organizations. Table 2 below identifies the financial support that NTIR provided each trail organization in FY11.

Table 2. NTIR Organizational Support for FY11

<i>Partner Organization</i>	<i>Funding Provided</i>
Santa Fe Trail Association	\$142,100
Trail of Tears Association	\$165,500
El Camino Real de Tierra Adentro Association	\$ 55,488
Old Spanish Trail Association	\$ 91,500
El Camino Real de los Tejas Trail Association	\$ 86,600
Oregon/California Trails Association	\$139,300
National Pony Express Association	\$ 46,900
Oregon Historic Trails Advisory Council	\$ 13,000
TOTAL ONPS	\$740,388

Wagon ride on the four-trail corridor (OREG, CALI, MOPI, POEX) at Chimney Rock in Nebraska.



Feasibility Studies

FOUR-TRAILS FEASIBILITY STUDY

The 2009 Omnibus Public Land Management Act directed the Secretary of the Interior to conduct a feasibility study for 64 additional trail segments on the OREG, CALI, MOPI, and POEX NHTs.

KEY ACHIEVEMENTS:

- Conducted kick-off meeting with AECOM, Inc. for the production of the affected environment and environmental consequences sections of the EA; continued work with contractors to produce the document.
- Prepared materials for scoping meetings: newsletter, mailing list, press releases, maps, and a PowerPoint presentation.
- Held 16 public scoping meetings in 13 states over two months.
- Consulted with: 13 SHPOs in 13 states; 36 BLM offices; 27 USFS offices; 16 USFW offices; 149 trail partner organizations; and four Bureau of Reclamation offices.
- Initiated consultation with 81 federally recognized tribes.
- Arranged with the OCTA to collect maps and historical, recreational, and other information relating to 28 of the study routes.

OTHER FEASIBILITY STUDIES KEY ACHIEVEMENTS:

BUTTERFIELD OVERLAND (OX-BOW ROUTE) TRAIL

- Completed SOW and RFQ for a contract to produce the affected environment and environmental consequences sections of the EA for this SRS/EA. Prepared bid package; awarded contract in July 2011 to AECOM, Inc.; conducted kick-off meeting with AECOM, Inc.; commenced project.
- Produced a segment-by-segment history of the Butterfield Overland Trail, entitled *The Butterfield Overland Mail Ox-Bow Route, 1858-1861*, by contract with a consultant. Completed in July 2011.

CHISHOLM AND GREAT WESTERN NATIONAL HISTORIC TRAILS (CATTLE TRAILS)

- Completed SOW and RFQ for a contract to produce the affected environment and environmental consequences sections of the EA for this SRS/EA. Prepared bid package; awarded contract in June 2011 to the Louis Berger Group; conducted kick-off meeting with Louis Berger Group; commenced project.
- Initiated a geographical history of the Chisholm Trail in Texas with Dr. Armando Alonzo of Texas A&M University, through a CESU agreement.

Oregon and California National Historic Trails

OREG was authorized in 1978 and CALI was authorized in 1992; both trails follow the same corridor from the Missouri River to southwestern Wyoming. They share many of the same organizations, resources, and stories.

Key Partners/Cooperators: OCTA and its state chapters; Oregon Historic Trails Advisory Council; Caribou Historical Society; University of Utah DIGIT (GIS) Lab; and BLM.

KEY ACHIEVEMENTS:

- Entered a cooperative agreement with the Oregon State Historic Preservation Office to develop a Multiple Property Documentation Form for the OREG across Oregon, and to prepare three National Register nominations for trail-related sites and segments.
- Initiated consultation with the Shoshone-Bannock Tribes of Fort Hall, Idaho, for interpretative media on the reservation. Partnered with the Lander Trail Foundation.
- Edited Dr. Shirley Ann Moore's history of African-Americans along the emigrant trails, *Sweet Freedom's Plains: African Americans on the Overland Trails, 1841-1869*.
- Provided financial assistance: (1) to City of Rocks National Preserve for geophysical survey of trail routes; (2) to Hagerman Fossil Beds National Monument to develop and print an interpretive guide, purchase period costumes and props for a trail-related interpretive program, and purchase books and supplies for a trails-related Junior Ranger Program; and (3) to Whitman Mission National Historic Site to host a state-sponsored training course on Indian sovereignty.



Applegate Trail through the High Rock Canyon in Nevada.

The Great Salt Desert

The Hastings Cutoff to the California Trail continues approximately 60 to 80 miles northwest from Hastings Pass toward Grayback Mountain, the Great Salt Lake Desert, the Silver Island Mountains, and Pilot Peak. Named in 1845 by John C. Fremont, Pilot Peak served as a valuable landmark for guiding wagon trains across the desert. The first water and grass after crossing the desert are at the base of the peak.

In places, the mud flats on the salt desert are estimated to be 8,000 feet thick. At some locations, the thin layer of salt encrusting these mud flats is easily broken through. The flats became a major problem for the pioneers whose heavy wagons and livestock would become mired in the murky mess. Pulling the wagons became especially difficult when the oxen, already distraught with thirst, fatigue, and hunger, became stuck. The thickness of the brine and mud, combined with a lack of drinkable water and the heat and exhaustion, forced many pioneers to abandon their wagons and many of their livestock to die.



In 1845, John C. Fremont traveled west from the summit of the Cedar Mountains, across the desolate plain of the Great Salt Lake Desert. The journey was arduous for his pack animals. Ten of his mules and several horses gave out and were left to die. Fremont's expedition had no wagons to pull, just pack animals carrying provisions and camp equipment. After arriving in California, Fremont stated that the crossing was safe for wagons and that this new route was 800 to 900 miles shorter than the established Fort Hall route. It was preferable "not only on account of the less distance, but ...less mountainous, with good pasturage and well-watered." Fremont's optimistic assessment led Hastings and the emigrants following his trail to underestimate the actual difficulties they would encounter.



The Great Salt Lake Desert extends for 4,000 square miles between Salt Lake City and the Nevada border. Despite its dreadful reputation and appearance, parts of its splendid support a rich variety of flora and fauna. Wide images are courtesy of the Bureau of Land Management.



"... the soil was composed of sand and gravel, from which nothing but small, thorny shrubs, greasewood, perhaps 1 1/2 feet high, shed out a miserable existence ... No sound was perceptible except our own muffled footfalls in the loose sand, which had been made unstable by the wagons and the hoofs of the livestock in advance of us ... As the sun rose toward the zenith, however, its effects became ever more difficult to endure; there was then nothing which provided any shade at all, and if we threw ourselves on the ground, we felt the heat all the more, so that we longed for the return of night."

—From the Heinrich Luchbard journal of 1846 as translated and published by journalist Samuel C. Young in the San Jose Pioneer on November 9, 1878

- Completed a 3-year teacher internship program to train public school instructors in teaching and curriculum development covering historic emigrant trails. Funded by CCSP. Partnered with the Discovery Trails Program of Accessible Arts, Inc.
- Conducted two summer day camps for students along the emigrant trails in western Nebraska. Funded by CCSP. Partnered with the North Platte Valley Museum, Western Nebraska Community College, Garden County Schools, Scotts Bluff National Monument, Fort Laramie National Historic Site, and the Nebraska Game and Parks Department.
- Completed six new wayside exhibits for Hastings Cutoff on Utah BLM lands. Partnered with Salt Lake Field Office of BLM, Utah State Historical Society, and Crossroads Chapter of OCTA. Installation: Fall 2011.
- Completed four new wayside exhibits at Donner Springs on Hastings Cutoff. Funded by CCSP. Partnered with Utah State Historical Society and Crossroads Chapter of OCTA.
- Fabricated one new wayside exhibit to be placed along the Carson Route of the California Trail, adding to the existing exhibits. Partnered with BLM and OCTA. Installation: Fall 2011.
- Completed 10 new wayside exhibits highlighting the history of the OREG, CALI, SAFE, and Lewis and Clark NHTs at historic Westport Landing in Kansas City. Funded by CCSP. Partnered with Kansas City Area Historic Trails Association. Installation: FY12
- Completed four new wayside exhibits for Strang Park in Overland Park, Kansas on OREG, CALI, and SAFE. Funded by CCSP. Partnered with Kansas City Area Historic Trails Association. Installation: FY12.

- Planned, designed, coordinated five new wayside exhibits for McCoy Park in Independence, Missouri covering OREG, CALI, and SAFE. Visited McCoy Park for site planning and exhibit text review and planning. Funded by CCSP. Partnered with City of Independence committee, OCTA, SFTA, Independence City Parks and Recreation, Jackson County Historical Society, and Lexington (Missouri) Tourism. Installation: FY12.
- Developed wayside exhibits at the GPRRAM in Kearney, Nebraska. Funded by CCSP. Partnered with GPRRAM. Installation: June 2011. Held dedication September 15, 2011.
- Conducted two site visits to New Fork River Crossing Historical Park (Boulder, Wyoming) for site and interpretive planning. Partnered with Sublette County Historical Society, BLM, SHPO, and OCTA.
- Conducted interpretive planning site visit and finalized interpretative plan for BLM gas mitigation wayside project on the Pinedale Anticline. Partnered with Alliance for Historic Wyoming, Shell SWEPI, Inc., Ultra Resources, Inc., OCTA, SHPO, and BLM.
- Conducted site visit to Lander Trail near Afton, Wyoming for wayside exhibit planning. Funded by CCSP. Partnered with Lander Trail Foundation.
- Initiated wayside and museum exhibits for the Lander Trail near Bedford, Wyoming. Funded by CCSP. Partnered with the Lander Trail Foundation.
- Funded (ONPS) and participated in the third season of Central Wyoming College's archeological field school on the Middle Sweetwater River, see page 9.
- Completed Auto Tour Route/Local Tour Route highway signs for southeastern Idaho. Partnered with Caribou Historical Society.
- Completed Auto Tour Route/Local Tour Route highway signs for far western Nevada portion of CALI (entire length of POEX in Nevada). Partnered with NPEA and Nevada DOT.
- Revised and reprinted *Auto Tour Route Interpretive Guide for Wyoming*. Print date: fall 2010.
- Revised *Auto Tour Route Interpretive Guide for Nevada*. Print date: FY12.



Central Wyoming College archeology students documenting a man-made stone feature in the vicinity of South Pass, Wyoming



Archeology Field School

In May and June of 2011, Central Wyoming College Archeology Field School crews documented 41 sites and emigrant trail segments on the Seminoe and Lander cutoffs and at several trail landmarks. Some of the documented sites are undatable stone features (such as hearths, cairns, stone alignments) of likely American Indian origins; others were created later by European American activities (grazing, ranching, mining).

Of particular interest were the investigations at Pacific Springs, an important settlement complex that includes OREG, CALI, and POEX components as well as later 19th- and early 20th-century ranch buildings and corrals. Archeological testing yielded evidence of older, collapsed structures with square nails; possibly the remains of a POEX station or other trails-era buildings. Also in the vicinity, students documented a couple of stone cairns, possibly marking emigrant graves.

This cooperative project of the NPS, BLM, and Central Wyoming College has introduced a number of college-aged youth to all three national historic trails, fostered in them an interest in history and archeology, resulted in important life lessons and work experiences, and provided the students professional training that has led to employment in subsequent years. Several students have obtained professional jobs in archeology as a result of these field school experiences.

El Camino Real de los Tejas National Historic Trail

During the Spanish Colonial Period, ELTE was a “royal road” that provided an overland route from Mexico and across the Río Grande to Los Adaes in what now is western Louisiana. Comprehensive management planning for administration of the trail, authorized in 2004, has been completed.

Key Partners/Cooperators: Texas Historical Commission; Louisiana Office of State Parks (Department of Culture, Recreation, and Tourism); Texas Parks and Wildlife Department; El Camino Real de los Tejas National Historic Trail Association; Stephen F. Austin State University; and Texas DOT.

KEY ACHIEVEMENTS:

- Completed the final CMP/EA. Accomplishments include:
 - ✓ Conducted supplementary research to document additional sites/segments that were proposed for inclusion in the document.
 - ✓ Finalized list of high potential sites and segments and made corresponding changes/modifications in the document.
 - ✓ Finalized Excel georeferenced database that includes all current information on high potential sites and segments as well as those listed as tentative.
 - ✓ Secured the solicitor’s opinion regarding the inclusion of additional routes to those already designated by Congress.



Fort Jesup State Historic Site, Sabine Parish, Louisiana

- ✓ Expanded section on tribal consultation to include materials from listening sections and the importance of consulting only with federally designated tribes.
- ✓ Analyzed and incorporated public comments following the guidelines provided by the Intermountain Region Environmental Compliance Division. These materials were included on the PEPC site.
- ✓ Prepared a FONSI that was approved by the regional director.
- Coordinated development and assisted with implementation of current and past CESU agreements with Stephen F. Austin State University. Tasks included:
 - ✓ Supported the photographic exhibit of the trail by arranging the schedule, and providing hard copies of the brochure to accompany the exhibit along with samples of press releases and invitations.
- Reviewed the draft Multiple Property Documentation Form and identified eligible National Register properties for the trail, through a cooperative agreement with Texas Historical Commission.
- Completed work on archaeological research at an 18th-century Caddo site in Nacogdoches County, Texas, through a contract with Chester Walker, Archeo-Geophysical Associates, LLC. Produced a detailed report describing the findings.
- Completed field work for report "Trade and Cultural Interactions along El Camino Real de los Tejas during the Late Colonial Period in Nacogdoches County, Texas". Work entailed archaeological reconnaissance and test excavations at various locations in Nacogdoches County. Initiated through a cooperative agreement with Nine Flags Museum in Nacogdoches.
- Continued to collaborate with San Antonio Missions National Historical Park on a CTTP project. Researched and produced a "preferred trail alignment" in pdf and GIS format to send to RTCA. Provided technical assistance for three wayside exhibits; provided maps and editing assistance. Exhibit installation: FY12.
- Provided technical assistance on one wayside for the El Camino Real de los Tejas Demonstration Garden and Wayside Exhibit. Funded by CCSP. Partnered with Stephen F. Austin State University.
- Developed a sign plan for Milam County, Texas. Partnered with El Camino Real de los Tejas National Historic Trail Association.
- Provided sign plan assistance for Victoria County, Texas. Partnered with El Camino Real de los Tejas National Historic Trail Association.
- Entered into one certified partnership:
 - ➔ Treviño-Urbe Rancho, San Ygnacio, Texas, 9/20/11



El Camino Real de Tierra Adentro National Historic Trail

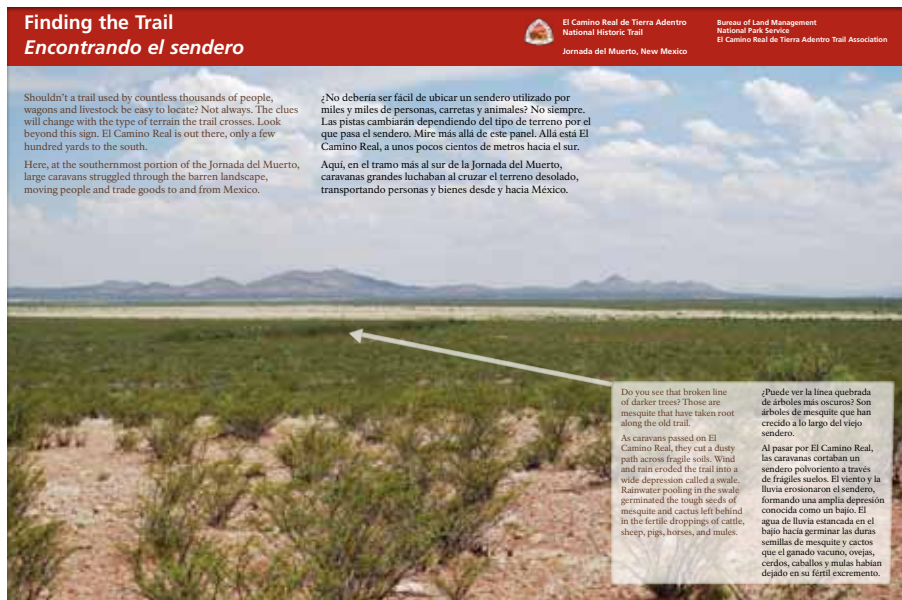
ELCA is one of the oldest roads in the U.S., and was authorized as a national historic trail in 2000. It is a timeless route of trade and cultural exchange and interaction among Spaniards and other Europeans, American Indians, Mexicans, and Americans. This internationally significant trail is coadministered by NPS and BLM.

Key Partners/Cooperators: CARTA and New Mexico SHPO.



KEY ACHIEVEMENTS:

- Completed the preparation of 17 draft National Register nominations of trail segments, through a cooperative agreement with SHPO.
- Prepared draft reports for drainage issues and associated archaeology at San Miguel Chapel (a National Historic Landmark in Santa Fe, New Mexico), through a cooperative agreement with Cornerstones Community Partnerships.
- Completed test excavations and an archaeological site management plan on the site of an 18th-century defensive tower (torreon) at El Rancho de las Golondrinas, through a cooperative agreement with El Rancho de las Golondrinas.
- Completed field work and a draft report for the La Bajada Cultural Landscape Report, Phase 1, to document, analyze, and evaluate the cultural landscape associated with this high potential segment of the trail. Initiated through a CESU agreement with the University of New Mexico.
- Completed field work and a draft report for the La Bajada Archaeological Survey to identify the various road alignments associated with the La Bajada escarpment. Initiated through a CESU agreement with the University of New Mexico.
- Created a standard family of highway signs for all nine national historic trails, including auto tour route, local tour route, crossing, to original route, original route, historic site name, and site identification - entrance signs.
 - ✓ Completed sign plan for El Paso County, Texas. Plan is being used by local partners to facilitate political and stakeholder support for anticipated future funding and implementation. Partnered with the El Paso Historical Commission and the El Paso Community Foundation.
 - ✓ Installed Spanish Colonial Art Museum (New Mexico) entrance sign. Partnered with Spanish Colonial Art Museum.
 - ✓ Installed original route signs in Las Cruces, New Mexico on Mesquite Street. Partnered with CARTA and Las Esperanzas, Inc.
- Completed NPS Passport to Your National Parks Program along ELCA with 14 partners. Ordered and mailed stamper packages. Mailed map and guides to each site. Produced Passport Program handout for ELCA that will be adapted to all trails. Partnered with BLM, 14 sites along the trail, and Eastern National.



Shouldn't a trail used by countless thousands of people, wagons and livestock be easy to locate? Not always. The clues will change with the type of terrain the trail crosses. Look beyond this sign. El Camino Real is out there, only a few hundred yards to the south.

Here, at the southernmost portion of the Jornada del Muerto, large caravans struggled through the barren landscape, moving people and trade goods to and from Mexico.

¿No debería ser fácil de ubicar un sendero utilizado por miles y miles de personas, carretas y animales? No siempre. Las pistas cambiarán dependiendo del tipo de terreno por el que pasa el sendero. Mire más allá de este panel. Allí está El Camino Real, a unos pocos cientos de metros hacia el sur.

Aquí, en el tramo más al sur de la Jornada del Muerto, caravanas grandes luchaban al cruzar el terreno desolado, transportando personas y bienes desde y hacia México.

Do you see that broken line of darker trees? Those are mesquite that have taken root along the old trail.

As caravans passed on El Camino Real, they cut a dusty path across fragile soils. Wind and rain eroded the trail into a wide depression called a wale. Rainwater pooling in the wale germinated the tough seeds of mesquite and cactus left behind in the fertile droppings of cattle, sheep, pigs, horses, and mules.

¿Puede ver la línea quebrada de árboles más oscuros? Son árboles de mesquite que han crecido a lo largo del viejo sendero.

Al pasar por El Camino Real, las caravanas cortaban un sendero polvoriento a través de frágiles suelos. El viento y la lluvia erosionaron el sendero, formando una amplia depresión conocida como un bajo. El agua de lluvia estancada en el bajo hacía germinar las dadas semillas de mesquite y cactus que el ganado vacuno, ovejas, cerdos, caballos y mulas habían dejado en su fértil excremento.

- Dedicated Jornada del Muerto, New Mexico BLM visitor-use sites and exhibits, including the retracement hiking trail along an original segment, October 2010.
- Initiated three waysides and website review with the Pueblo of Pojoaque in New Mexico through a cooperative agreement. Partnered with the Pueblo of Pojoaque.
- Held a workshop to prepare an interpretive plan for Martineztown—a site along ELCA in Albuquerque, New Mexico—in early October 2011. Partnered with the Citizens Information Committee of Martineztown.
- Initiated two video podcasts funded by the National Park Foundation. Wrote two scripts and conducted filming. Partnered with CARTA; El Camino Real International Heritage Center; El Rancho de las Golondrinas; New Mexico Historic Preservation Division; Department of Cultural Affairs (Director of Statewide Initiatives); 14 historical, interpretive sites along ELCA; Mikey's Place (a performance-arts center) in Las Cruces, New Mexico; two filmmakers (in Las Vegas, Nevada and Albuquerque, New Mexico); teachers in Socorro, Albuquerque, and Santa Fe (New Mexico); Pecos National Historical Park, Spanish Colonial Museum, and Palace of the Governors.
- Entered into 12 certified partnerships:
 - ➔ CD Antonio Store, Doña Ana, New Mexico, 10/6/10
 - ➔ John M. and John D. Barncastle House, Doña Ana, New Mexico, 10/6/10
 - ➔ Gutierrez-Hubbell House, Albuquerque, New Mexico, 11/2/10
 - ➔ Casa Ortiz, El Paso, Texas, 12/10/10
 - ➔ Mesilla Plaza, Mesilla, New Mexico, 12/28/10
 - ➔ Los Portales/Casa Garcia, San Elizario, Texas, 1/8/11
 - ➔ San Elcario Catholic Church, San Elizario, Texas, 1/10/11
 - ➔ La Purisima Socorro Mission, Socorro, Texas, 1/14/11
 - ➔ Ysleta Mission Church, El Paso, Texas, 1/14/11
 - ➔ Spanish Colonial Arts Museum, Santa Fe, New Mexico, 3/24/11
 - ➔ Estancia de los Jaramillo, Albuquerque, New Mexico, 4/1/11
 - ➔ New Mexico Farm & Ranch Heritage Museum, Las Cruces, New Mexico, 7/7/11

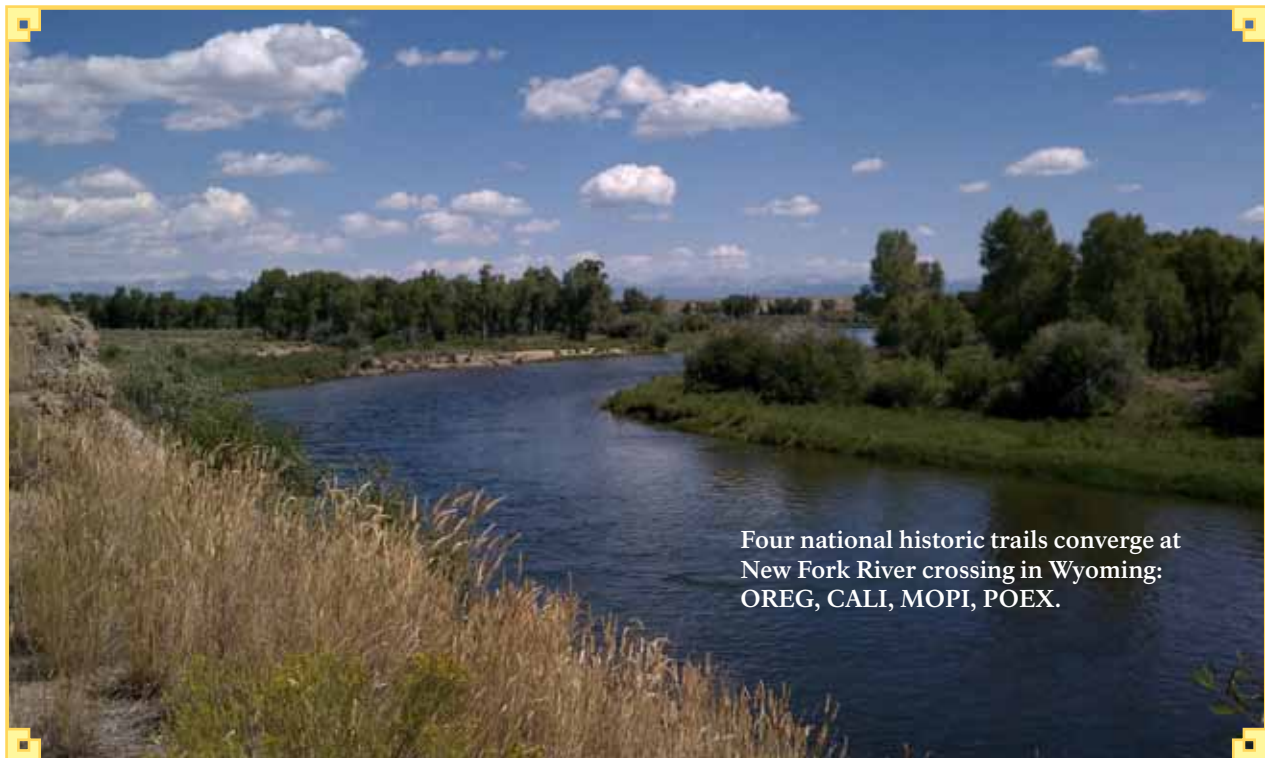
Mormon Pioneer National Historic Trail

MOPI commemorates those Latter-day Saints who left Illinois in 1846 and continued on to the Great Salt Lake the following year. MOPI was authorized in 1978 and consists of the original 1846-47 route from Nauvoo, Illinois, to Salt Lake City, Utah.

Key Partners/Cooperators: Various state chapters of Mormon Trail Association and Mormon Trail Heritage Foundation.

KEY ACHIEVEMENTS:

- Edited Dr. Shirley Ann Moore's history of African-Americans along the emigrant trails, *Sweet Freedom's Plains: African Americans on the Overland Trails, 1841-1869*.
- Developed six waysides exhibits at the Great Platte River Road Archway Monument in Kearney, Nebraska. Held dedication September 15.
- Conducted two summer day camps for students along the emigrant trails in western Nebraska. Partnered with the North Platte Valley Museum, Western Nebraska Community College, Garden County Schools, Scotts Bluff National Monument, Fort Laramie National Historic Site, and the Nebraska Game and Parks Department.
- Completed a 3-year teacher internship program to train public school instructors in teaching and curriculum development covering historic emigrant trails. Partnered with the Discovery Trails Program of Accessible Arts, Inc.
- Revised and reprinted *Auto Tour Route Interpretive Guide for Wyoming*. Print date: fall 2010.



Four national historic trails converge at New Fork River crossing in Wyoming: OREG, CALI, MOPI, POEX.

Old Spanish National Historic Trail

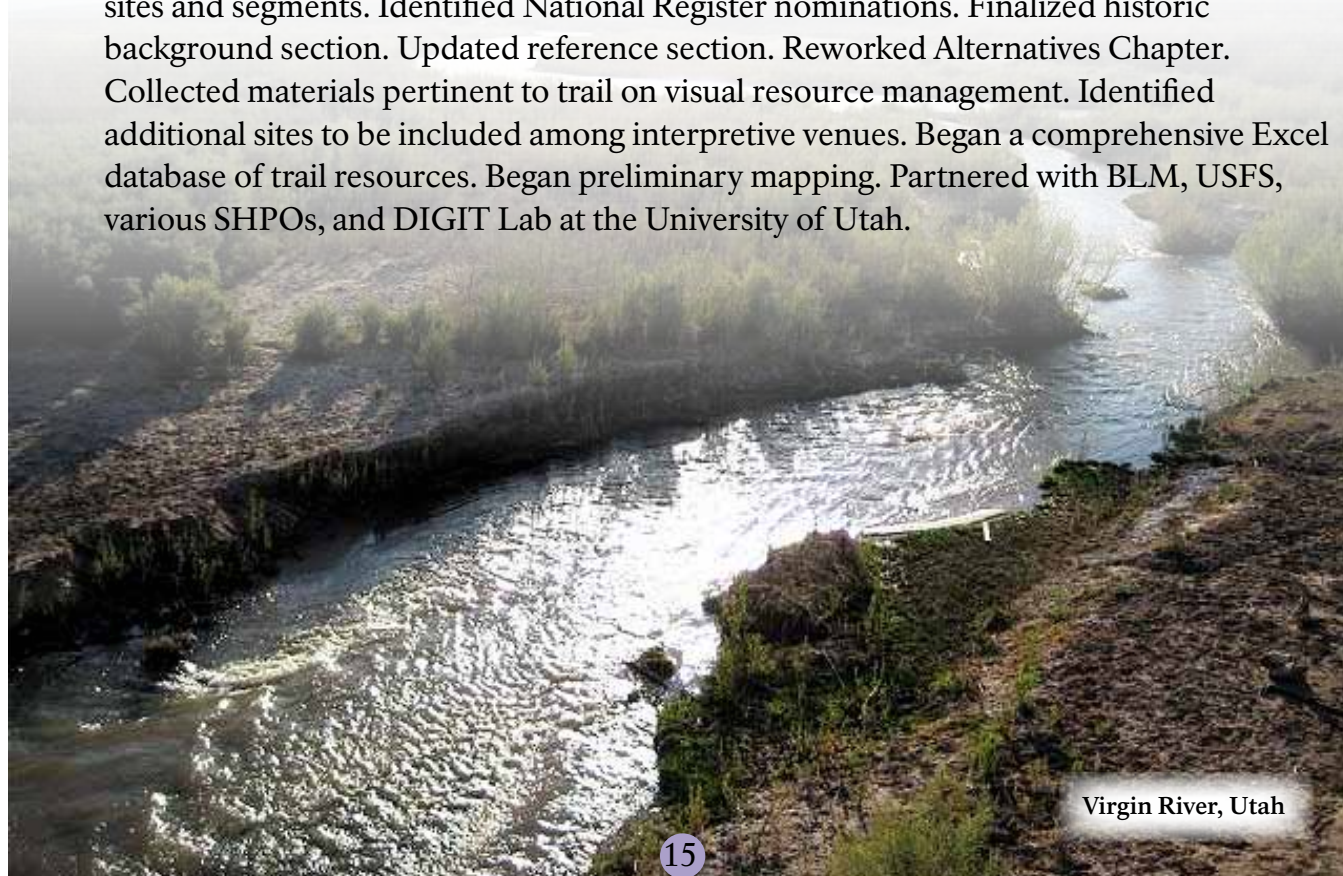
BLM and NPS jointly administer this historic trade route between Santa Fe and Los Angeles. OLSP was authorized in 2002.

Key Partners/Cooperators: OSTA, USFS, Southern Ute Tribe, and New Mexico SHPO.



KEY ACHIEVEMENTS:

- Completed a Multiple Property Documentation form and six draft National Register nominations for the trail, through a task agreement with SHPO and in collaboration with BLM.
- Enabled metal detecting and dendrochronological analysis of the Bunker site in southern Colorado, a significant site most likely associated with the OLSP. Initiated through an Intra-Agency Agreement with the Rio Grande National Forest of the San Luis Valley Public Lands Center.
- Researched and designed an Official Map and Guide brochure following NPS unigridd design standards. Print date: FY12
- Consulted with Carson and Rio Grande national forests to encourage awareness and use of educational materials developed by USFS staff.
- Produced membership brochure for OSTA. Recommended printing guidelines, paper, and printers. Partnered with OSTA. Completed: March 2011.
- Developed trail's CMP/EA. Analyzed and scanned documents that address trail resources. Compiled historic information and conducted field work on high potential sites and segments. Identified National Register nominations. Finalized historic background section. Updated reference section. Reworked Alternatives Chapter. Collected materials pertinent to trail on visual resource management. Identified additional sites to be included among interpretive venues. Began a comprehensive Excel database of trail resources. Began preliminary mapping. Partnered with BLM, USFS, various SHPOs, and DIGIT Lab at the University of Utah.



Virgin River, Utah

Pony Express National Historic Trail

The crouching Pony Express rider and his galloping horse have become one of the mythic icons of the American West. Many Pony Express enthusiasts enjoy re-creating the thrill of this cross country ride by participating in the annual re-ride along the route. POEX was authorized in 1992.

Key Partners/Cooperators: NPEA, Pony Express Trail Association, and BLM.

KEY ACHIEVEMENTS:

- Completed two waysides and an interpretive pullout at Garden Pass, Crescent Valley, Nevada. Funded by CCSP. Partnered with White Buffalo Nation Inc., Battle Mountain BLM, Pony Express Trail Association, General Moly (Mt. Hope Mine), and Nevada Historical Society. Fabricated: June 2011.
- Completed interpretive project for Schell Creek Station in eastern Nevada. The project included development of a pedestrian trail, gate, and footbridge, three new wayside exhibits, repairs to an existing kiosk, and installation of a POEX horse and rider silhouette. Funded by CCSP. Partnered with NPEA.
- Continued work with City of Eagle Mountain, Utah and Utah State Institutional Trust Lands Administration to develop pedestrian and equestrian trails at Eagle Mountain; also to develop wayside exhibits and highway signs. Funded by CCSP.
- Continued development of one new wayside exhibit at Guittard Station in Kansas. Funded by CCSP. Partnered with NPEA. Installation: FY12.
- Fabricated two replacement wayside exhibits for This is the Place Historical Park. Partnered with This is the Place Historical Park and NPEA.
- Edited Dr. Shirley Ann Moore's history of African-Americans along the emigrant trails, *Sweet Freedom's Plains: African Americans on the Overland Trails, 1841-1869*.
- Revised *Auto Tour Route Interpretive Guide for Nevada*. Print date: FY12.
- Revised and reprinted *Auto Tour Route Interpretive Guide for Wyoming*. Print date: fall 2010.
- Revised 150th Anniversary of POEX publication. Funded by CCSP. Partnered with OCTA and NPEA. Print date: December 2010.
- Completed Auto Tour Route/Local Tour Route highway signs across Nevada. Partnered with NPEA and Nevada DOT.



Santa Fe National Historic Trail

Between 1821 and 1880, SAFE was primarily a commercial highway linking Missouri and Santa Fe, New Mexico. Today, this well-known trail attracts many visitors and partners and enjoys the support of a very active trail association. SAFE was authorized in 1987.

Key Partners/Cooperators: SFTA; Kansas City Area Historic Trails Association; and Kansas, Missouri, and New Mexico SHPOs.



KEY ACHIEVEMENTS:

- Amended existing Multiple Property Documentation Form for the trail for SAFE properties in Kansas; being prepared by Kansas SHPO, through a cooperative agreement with Kansas State Historical Society.
- Reviewed draft National Register nominations for SAFE properties in Kansas; being prepared by Kansas SHPO, through a cooperative agreement with Kansas State Historical Society.
- Finalized the preparation of National Register nominations for seven trail segments in New Mexico, through a cooperative agreement with New Mexico SHPO.
- Initiated project work in Southeast Colorado that includes (1) archaeological and architectural survey of cultural resources on public and private lands, (2) visual resource management studies, and (3) preparation of National Register nominations, through a cooperative agreement with the National Trust for Historic Preservation, Denver office. Partnered with USFS.
- Entered into an agreement with Cornerstones Community Partnerships to produce preservation plans for select historic buildings in Tiptonville, New Mexico, through a CTPP project in coordination with FOUN.
- Completed three new wayside exhibits covering Dodge City ruts in Dodge City, Kansas. Rehabilitated the site by repairing the boardwalk, the destination sign, and existing exhibits. Funded by the CCSP. Held unveiling September 24, 2011. Partnered with SFTA and Boot Hill Museum.
- Completed five new wayside exhibits at Prince Park in Santa Fe, New Mexico, covering Fort Marcy, where earthworks remain of the structures built in the 1840s. Exhibits include a tactile element where visitors can touch a model of the fort while being directed to existing features that serve as evidence of the site's history. Funded by CCSP. Partnered with the City of Santa Fe. Installation: FY12.
- Planned, designed, coordinated five new wayside exhibits for Bent's New Fort near Lamar, Colorado. Visited site for exhibit development and site planning. Funded by CCSP. Partnered with SFTA, Bent's Old Fort NHS, the Semmens family (property owners), Cuartelejo HP Associates Inc. (archeology firm), Northern Arizona University, and Southeast Colorado Heritage Task Force. Installation: FY13.



Kiosk wayside exhibit project for Fort Larned National Historic Site, Kansas



Dodge City ruts wayside exhibit unveiling (Kansas)

- Completed 12 new wayside exhibits for the "kiosk" project at FOLS, BEOL, FOUN, and PECO. This kiosk project connects the parks along the trail by interpreting site history in relation to the SAFE and then orients visitors to more sites they can visit to the east or west. Funded by CTPP. Partnered with SFTA. Installed three FOLS exhibits: August 2011. Installation of remaining nine: FY12.
- Consulted with five national parks to develop a SAFE junior ranger booklet to be used at each park site. Coordinated design by a 13-year old Volunteers-in-Parks staff member at FOUN. Coordinated design transfer to a SCC employee at CAVO who finished the design. Ordered junior ranger badges. Booklet in final review with NTIR and the five parks: FOLS, BEOL, FOUN, PECO, and CAVO. Print date: FY12.
- Participated in brochure and exhibit planning with the Santa Fe Trail National Scenic Byway Alliance. The scenic byway follows much of the same route as the SAFE. Funded by the Alliance.
- Initiated two waysides with the Kaw Nation of Oklahoma that will depict how SAFE changed Indian lifeways and culture. Funded by CCSP.
- Replaced expired Passport to Your National Parks stamps at historic interpretive sites along the length of the trail and made new ones with site names.
- Scanned and digitized over 3,000 slides taken along SAFE during the mid- 1980s to late 1990s. The photos will become part of an extensive photo database that will be accessed by staff for interpretive, planning, and research purposes.
- Launched an interactive map displaying sites along the trail. General information and photos about each site are displayed when the site links are activated, for public exploration and education, www.nps.gov/safe/planyourvisit/maps.htm.



- Created a standard family of highway signs for all nine national historic trails, including auto tour route, local tour route, crossing, to original route, original route, historic site name, and site identification - entrance signs.
 - ✓ Completed sign plan and installation of Highway 64 directional signs at Cimarron, New Mexico. Completed sign plan and installation for original route signs on Highway 21 from Cimarron to south of Rayado, New Mexico. Partnered with New Mexico DOT.
 - ✓ Participated in dedication and ribbon cutting for phase one of the Cimarron Developmental Concept Plan for the Highway 64 interpretive site, including wayside exhibits and highway signs.
 - ✓ Completed sign plan and installation of directional signs from Highway 56 to Point of Rocks in New Mexico. Partnered with New Mexico DOT, private property owner, and Colfax County.
 - ✓ Completed sign plan and installation of directional signing to Herztein Memorial Museum in Clayton, New Mexico. Partnered with New Mexico DOT and Herztein Memorial Museum.
 - ✓ Completed sign plan and installation of local tour route, original route, directional, and entrance signs for Marion County, Kansas. Partnered with SFTA.
 - ✓ Completed draft sign plan for four counties associated with the Bents Fort Chapter (Colorado) of SFTA. Ordered signs for one county. Partnered with SFTA.
 - ✓ Completed draft sign plan for three counties associated with Wagon Bed Springs Chapter (Kansas) of SFTA. Ordered signs for one county. Partnered with SFTA.
- Entered into one certified partnership:
 - ➔ French Frank's Trail Segment, Lehigh, Kansas, 9/17/11



family of roadway signs

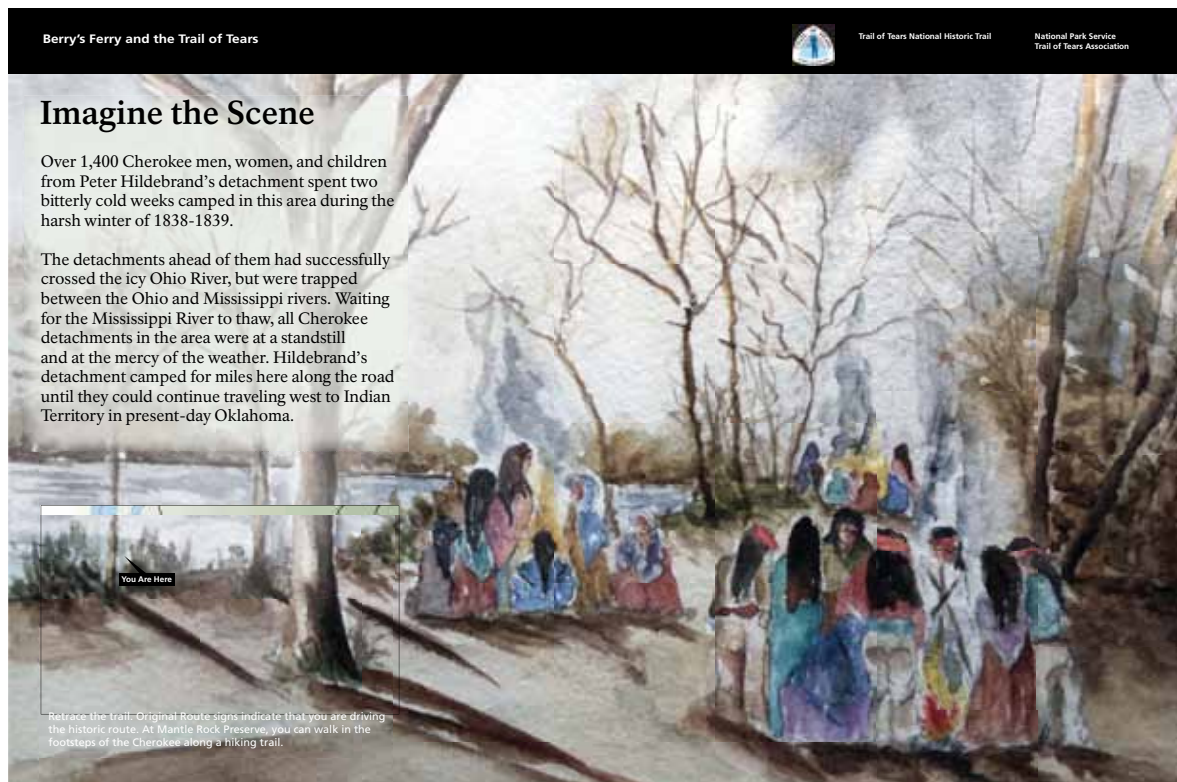
Trail of Tears National Historic Trail

In 1838, the United States government forcibly removed more than 16,000 Cherokee Indian people from their homelands in Tennessee, Alabama, North Carolina, and Georgia, and resettled them in Indian Territory (now Oklahoma). TRTE recognizes the removal of the Cherokee and the paths that 17 Cherokee detachments followed westward. Today the trail encompasses up to 5,000 miles of land and water routes, and traverses portions of nine states. TRTE was authorized in 1987.

Key Partners/Cooperators: TOTA; Cherokee Nation; and Eastern Band of Cherokee Indians.

KEY ACHIEVEMENTS:

- Hosted a design charette in Tuscumbia, Alabama, July 18-22, for Tuscumbia Landing and a 45-mile retracement trail from Decatur to Tuscumbia in Alabama. Completed the Charette Development Concept Plans for Tuscumbia Landing (in Sheffield, Alabama), Decatur's Historic Interpretive Trail, and the 45-mile retracement trail. Presented the results of the site visit, stakeholder discussions, site drawings, and interpretive content recommendations. Planning documents will go to a varied group of partners in FY12, i.e. county governments, historical societies, and three tribal nations.
- Completed two wayside exhibits and an entrance sign at Berry's Ferry, Kentucky. The exhibits stand alone to tell the story of removal, but they also connect to the exhibits in nearby Mantle Rock Preserve, where 10 exhibits were installed in 2010. Partnered with the Cherokee Nation and TOTA. Installation: FY11.



Berry's Ferry, Kentucky wayside exhibit

- Completed two exhibits on the removal camp at Cedartown in Georgia. Held unveiling on April 12, 2011. Partnered with the Cherokee Nation and TOTA. Installation: spring 2011.
- Coordinated redesign of Trail of Tears Official Map and Guide. Funded by ONPS. Partnered with TOTA, Cherokee Nation, and Harpers Ferry Center. Print date: FY12.
- Initiated a Tennessee TRTE brochure that will follow NPS design standards and complement the TRTE Official Map and Guide (being produced in FY12). This is the first in a "family" of state brochures. A template for partners will be placed on the TRTE website. Partnered with Tennessee Chapter of TOTA.
- Created a standard family of highway signs for all nine national historic trails, including auto tour route, local tour route, crossing, to original route, original route, historic site name, and site identification - entrance signs.
 - ✓ Created a sign plan for a 36-mile stretch of original route on TRTE in Hickman and Graves counties in Kentucky (along the Benge Route). Partnered with Kentucky Chapter of TOTA.
 - ✓ Created a sign plan for Coker Creek, Tennessee following an original route on the trail. Partnered with Coker Creek Welcome Center.
 - ✓ Created a custom entrance sign for Columbus-Belmont State Park in Kentucky. Partnered with Kentucky Chapter of TOTA.
 - ✓ Revised a sign plan for directional, original route, and entrance signs for Big Springs in Princeton, Kentucky (along the Bell Route). Partnered with Kentucky Chapter of TOTA and the city of Princeton.
 - ✓ Provided sign plan assistance for Fort Payne to Guntersville Lake, Alabama. Reviewed-edited sign plan produced by partners. Partnered with Alabama Chapter of TOTA.
 - ✓ Revised the sign plan for Lawrence and Giles counties in Tennessee. Partnered with TOTA.
 - ✓ Completed entrance sign for Rockdale Plantation in Gordon County, Georgia. Partnered with Georgia Chapter of TOTA and the previous property owners.
 - ✓ Completed sign plan and installation of original route and directional signs for Cedartown/Cave Springs Road in George. Partnered with Georgia Chapter of TOTA.
 - ✓ Completed sign plan and cost estimate for Bartlett, Tennessee. Partnered with the City of Bartlett.
- Entered into three certified partnerships:
 - ➔ Columbus-Belmont State Park, Columbus, Kentucky, 1/20/11
 - ➔ Rockdale Plantation (George Adair Home), Ranger (Oakman), GA, 3/2/11
 - ➔ Greene County Trail Segments, Springfield, Missouri, 9/28/11



NTIR Trails Project Summary

NTIR supports partner trail projects through CCSP and with ONPS base funds. ROSI cost share grant funding is administered separately from the trails CCSP. It is described in the ROSI section on pages 29-30.

Work continues on some CCSP projects that were initiated in prior years. Those projects that were officially completed in FY11 are listed in Table 3.

Table 3. NTIR Completed Challenge Cost Share Projects FY11			
<i>Trail</i>	<i>Partner</i>	<i>Project Description</i>	<i>Federal Share</i>
CALI	OCTA	Lassen and Nobles trail mapping	\$29,975
CALI	OCTA	Bidwell and Donner Springs wayside exhibit replacement	\$6,415
CALI	Educational Encounters	Sweet Betsy & Ike program	\$4,288
CALI	Accessible Arts, Inc.	Discovery Trails 2010 Trek	24,000
ELCA	CARTA	Aerial photography at Sevilleta National Wildlife Refuge	\$8,149
OLSP	Southern Ute Cultural Center and Museum	Research: Captives along OLSP	\$21,405
OREG/ CALI	Accessible Arts, Inc.	Discovery Trails teacher internship program 2008-2011	\$30,000
OREG/ CALI	Alcove Springs Association	Alcove Springs remote sensing project	\$6,900
OREG	OCTA	Oregon Trail aerial photos scanning	\$4,292

Continued on page 24

Table 3. NTIR Completed Challenge Cost Share Projects FY11

<i>Trail</i>	<i>Partner</i>	<i>Project Description</i>	<i>Federal Share</i>
OREG/ CALI/ MOPI/ POEX	Great Platte River Road Archway Monument	Visitor-use sites with wayside exhibits at Homestead, NA, and Prairie Restoration areas	\$29,490
OREG/ CALI/ MOPI/ POEX	Great Platte River Road Archway Monument	Visitor-use sites with wayside exhibits on MOPI and at American Indian and Homestead areas	\$3,033
OREG/ CALI/ MOPI/ POEX	North Platte Valley Museum	Children's summer camp	\$17,958
POEX	NPEA	Planning sessions for 150th Anniversary	\$30,000
SAFE	SFTA	Dodge City rut site rehabilitation	\$20,798
SAFE	SFTA	Dodge City rut site kiosk	\$5,600
TRTE	Autry National Center	Community documentation-oral history	\$19,900
TRTE	TOTA	Research by TOTA Oklahoma Chapter at National Archives on Cherokee removal	\$8,802
TRTE	Museum of the Cherokee Indian	Sharing Trail of Tears research at the Museum of the Cherokee Indian	\$30,000

ONPS BASE-FUNDED PROJECTS

NTIR supports some partner projects with ONPS base funding, sometimes because the project requires more than \$30,000 (the limit for CCSP funding) and sometimes because CCSP funding is insufficient to cover all of the projects we would like to support. Trails projects funded out of NTIR's base budget are shown in Table 4. They typically do not require a partner match.

Table 4. NTIR ONPS Base-Funded Projects FY11

<i>Trail</i>	<i>Partner</i>	<i>Project Description</i>	<i>Federal Share</i>
	Old Santa Fe Trail Building	Cultural landscape report	\$4,000
	IMR Cultural Resource Management	American Southwest map and guide	\$1,980
CALI/OREG/ MOPI/POEX	Central Wyoming College Foundation	Middle Sweetwater archeological project	\$32,800
CALI/OREG	Annat, Inc.	Sign project	\$14,419
ELCA	Cornerstones Community Partnerships	Preservation of San Miguel Church	\$19,999
ELCA	CARTA	Tribal listening session	\$4,395
ELCA	CARTA	Survey Bosquecito Road	\$12,841
OLSP	USFS	Archeological work - Bunker site	\$9,999
POEX	NPEA	Education project	\$7,000
TRTE	TOTA	Sign fund	\$24,800
ALL	Utah DIGIT Lab	GIS work	\$60,000

Continued on page 26

Table 4. NTIR ONPS Base-Funded Projects FY11

<i>Trail</i>	<i>Partner</i>	<i>Project Description</i>	<i>Federal Share</i>
CALI/OREG/ MOPI/POEX/ SAFE/TRTE	Missouri SHPO	National Register nominations	\$60,000
OREG	Oregon SHPO	National Register nominations	\$30,000
SAFE/TRTE	Oklahoma SHPO	National Register nominations	\$30,000
TOTAL			\$373,703

FUNDING OTHER THAN ONPS

In FY11, NTIR received funding from the NPS Washington Office and the Intermountain Region to support planning and cultural resource management.

Table 5. Projects Supported with Funding Other Than ONPS FY11

<i>Trail</i>	<i>Partner/ Contractor</i>	<i>Funding Source</i>	<i>Project Description</i>	<i>Federal Share</i>
Butterfield Overland	AECOM	NPS planning	Feasibility study-environmental assessment	159,999
Chisholm/ Great Western	Louis Berger Group, Inc.	NPS planning	Feasibility study-environmental assessment	\$87,865
SAFE	Missouri SHPO	IMR Cultural	National Register nominations	\$10,000

NTIR Websites

The websites are supported by a vibrant, dynamic system that requires constant attention and updating as well as additional information and imagery. Received 849,304 web hits across all pages for nine national historic trails.

NEW DEVELOPMENTS:

- ⌘ Migrated and fixed bugs for all nine historic trail websites to CMS 6.0.
- ⌘ Included trails on state pages, i.e. List View. Placed trails in Map View and made this available on websites.
- ⌘ Expanded content and quantity of web pages across all nine trails (e.g. Public Affairs, For Teachers, News, Photos and Multimedia, Photo Gallery, Research, Exhibits, Passport to Your National Parks, Maps).
- ⌘ Provided sign plan guidelines for partners on ELTE, SAFE, TRTE websites.
- ⌘ Launched interactive map displaying sites along SAFE.

MAINTENANCE:

- ⌘ Increased consistency of navigation and content across all nine historic trail websites.
- ⌘ Updated management pages with the most recent feasibility study information and SAFE comprehensive management plan.
- ⌘ Posted partner newsletters on OREG, CALI, SAFE, TRTE.
- ⌘ Cross-referenced pages within websites using in-page links and right-side highlights.
- ⌘ Enhanced websites with images.

Volunteer-in-Parks



Library
volunteers

During the summer of 2011, two volunteer librarians spent a month completing a 3-year process of refurbishing the NTIR library. As a result of their efforts, the entire collection—both the trails collection and the ROSI collection—have been inventoried, arranged, labeled, and catalogued, with specific volumes being placed either in a rare book collection or in one of several special collection formats.

Geographic Information System

GIS is an integral part of trails programming, as its products are used routinely by in-house and independent researchers, program managers, cultural resource specialists, planners, interpreters, and others.

The NTIR GIS program oversees the development and ongoing maintenance of the GIS data for the ROSI and the nine national historic trails administered by NTIR. In addition to the in-house hours devoted to GIS, NTIR staff continues to work with the University of Utah's Department of Geography (DIGIT Lab) under a multi-year cooperative agreement established between the NPS and the university. The DIGIT Lab assists in the management of the geodatabase for the nine national historic trails. The DIGIT Lab also serves as an additional repository for the NTIR geo-referenced data and provides technical advice and assistance as needed.

KEY ACHIEVEMENTS:

- 👤 Continued implementation of the NTIR GIS Plan.
- 👤 Participated in the NPS Enterprise GIS Subcommittee.
- 👤 Developed GIS Intranet data viewer to provide staff access to centralized data and map files through an internet browser.
- 👤 Continued development of an officewide resource database project.
- 👤 Continued development of Federal Geographic Data Committee metadata for each trail.
- 👤 Assisted with creation of the National Trails System GIS Network and was coleader; the network is a forum for discussing GIS topics related to the NTS.
- 👤 Responded to over 48 data requests, mostly from other agencies and their contractors for management and compliance purposes.
- 👤 Provided GIS mapping and technical support for three feasibility studies:
 - Four Trails Feasibility Study
 - Chisholm and Great Western NHT (Cattle Trails) Feasibility Study
 - Butterfield Overland Trail Special Resource Study

- 🌱 Provided technical support for multiple planning efforts, including the OLSP CMP, a number of conceptual sign plans and estimates, and the Tuscumbia Landing charette.
- 🌱 Hosted and led the first NTIR Database and Mapping Workshop for trail partners and staff.
- 🌱 Presented on mapping and GIS at multiple trail association meetings.
- 🌱 Digitized over 1,700 miles of trail based upon 1:24,000 research maps into GIS.
- 🌱 Prepared over 360 Federal Geographic Data Committee-compliant metadata records.
- 🌱 Georeferenced 425 comprehensive management plan maps.
- 🌱 Added over 560 digital maps into resource database.
- 🌱 Continued to partner with the Intermountain Region Geographic Resources Program to serve public web map services and an interactive map viewer.
- 🌱 Received at least 398,390 transactions for web mapping services over the last six months of the fiscal year.
- 🌱 Received over 2,608 hits on the public interactive map for the nine national historic trails over the last six months of FY11.



Interactive trails map viewer at <http://imgis.nps.gov/#Trails>

Resource Advocacy and Protection

Cultural resources staff logged external compliance actions related to CALI, ELCA, ELTE, OLSP, POEX, SAFE, and TRTE as such: of 563 undertakings reviewed, 294 were not near enough to the NHTs (within five miles) to require further action. Of the 269 remaining undertakings that received detailed review, 26 had adverse effects to trail segments, trail sites, or trail settings; 28 had no adverse effect to trail resources; and 215 had no effect. See Table 6 on page 31. Cultural resources staff also reviewed 92 external compliance actions affecting OREG, CALI, MOPI, and POEX, and researched, commented, responded to, and participated in the process for approximately 55 percent. Most of these are federal undertakings in which we receive notification from the NPS ER2000 system. Reviewed documents related to the requirements of the National Environmental Policy Act or the National Historic Preservation Act or both.

Key external projects of interest include:

- Reviewed transmission line projects for Sigurd-Red Butte 2, SunZia, and TransWest Express. Participated in Cultural Resources Task Group for Sigurd-Red Butte 2 project.
- Continued working as a cooperating agency with the FAA in implementing mitigation plans for the operation of Spaceport America Commercial Launch Site. The site was built in the Jornada del Muerto in central New Mexico in an area of one of the most pristine sections of ELCA. The construction and operation of Spaceport America was determined to have adverse effects on the trail.
- Engaged in ongoing consultation with the Department of State for mitigation of Keystone XL Pipeline adverse impacts on ELTE in east Texas. NPS is a cooperating agency on this FAA-administered project.
- Reviewed BLM's Solar Programmatic EIS, which covers over 20 million acres in six western states that the agency is proposing to be suitable for solar energy development. Analyzed the 11,000-page document and produced a five-page comment letter with several maps.
- Reviewed Gateway West transmission line proposal, which will have close range visual impacts on OREG, CALI, MOPI, and POEX in Wyoming and Idaho.
- Reviewed Mount Hope molybdenum mine project, which will remove a mountain flanked by POEX near Eureka, Nevada.
- Reviewed various geothermal energy development proposals, which could have visual impacts along POEX in western Utah and Nevada.
- Reviewed Boardman to Hemingway transmission line proposal, which will impact OREG in Oregon and Idaho.
- Reviewed Antelope Ridge Wind Energy Development project, which may directly impact on an intact segment of OREG in the Blue Mountains of Oregon.
- Reviewed Lander Field Office Resource Management Plan revision, which will determine management of the four northern trails along a significant portion of the four-trail corridor through South Pass, Wyoming.

- ③ Reviewed Rock Springs Field Office Resource Management Plan revision, which will determine management of the four northern trails along another significant portion of the four-trail corridor through South Pass, Wyoming.
- ③ Reviewed lawsuit filed against the federal government by the State of Utah, claiming Revised Statute 2477 rights to POEX across the West Desert.
- ③ Reviewed several wind energy development projects on OREG along the Columbia River; also involved the Lewis and Clark NHT.
- ③ Designed, developed, and implemented a Microsoft Access database to track compliance review. This database allows for precise tracking of all compliance reviews throughout the compliance process, by trail, state, type of project, effect, and reviewer. Associated with the database is an ArcGIS system for precisely locating project areas in relation to trail locations.

Table 6 provides a breakdown of the 563 undertakings by trail and by effect. Note: The numbers do not agree with the previous figures because some undertakings affected multiple trails.

Table 6. Resource Breakdown				
<i>Trail</i>	<i>Adverse Effect</i>	<i>No Adverse Effect</i>	<i>No Effect</i>	<i>Totals</i>
CALI	2	2	2	6
ELCA	5	0	0	5
ELTE	1	0	1	2
NONE	0	6	205	211
OLSP	16	7	3	26
POEX	6	1	2	9
SAFE	3	1	0	4
TRTE	3	12	1	16
Totals	36	29	214	279

The counts show that OLSP had the greatest number of adverse effects: 44 percent of the total. Some were adverse effects to the trail setting and some were energy or transmission line related projects. This trend will continue in FY12.

Route 66 Corridor Preservation Program

Congress created ROSI to preserve and commemorate the vital history of an American icon, Route 66. The program works with the eight states through which the route passes to raise awareness about the history and significance of the route; identify preservation needs and strategies; and to facilitate collaboration among the states. The program provides technical and financial assistance to preserve the most significant and representative historic properties dating to the highway's period of historic significance (1926-1970). It also assists with preservation planning, research, and educational initiatives.

Key Cooperators/Partners: Statewide ROSI associations, preservation organizations, educational institutions, SHPOs, county and state department of transportation, tribal agencies, state and federal environmental protection agencies, the National Trust for Historic Preservation, the World Monuments Fund, private individuals and others.



KEY ACHIEVEMENTS:

- ♥ Completed National ROSI Historical Context/Multiple Property Documentation Form for final review by Keeper of the National Register of Historic Places.
- ♥ Continued collaboration with the Illinois State Historic Preservation Agency on roadbed survey and treatment plan.
- ♥ Continued collaboration with the California Preservation Foundation to complete a Historical Context/Multiple Property Documentation Form for ROSI in California.
- ♥ Continued collaboration with the Arizona State Historic Preservation office to undertake a comprehensive survey of historic ROSI properties in Arizona.
- ♥ Participated in an ongoing collaboration with Rutgers University, Edward J. Bloustein School of Planning and Public Policy and Center for Urban Policy Research and World Monuments Fund to complete a study of the economic impacts of historic preservation and tourism on ROSI.
- ♥ Participated as a Section 106 consulting party on critical projects affecting ROSI bridges in Oklahoma and Missouri.
- ♥ Hosted the annual ROSI Archive and Research Collaboration meeting in Tulsa, Oklahoma, in cooperation with the New Mexico ROSI Association. Collaboration will result in the development and launch of a website.
- ♥ Awarded 10 grant projects and concluded seven grant projects.

ROSI COST SHARE GRANT PROGRAM

The ROSI Cost Share Grant program, funded and administered separately from the trails CCSP, provides financial assistance for eligible historic preservation, research, oral history, interpretation, and education projects related to the highway.

See Table 7 on page 33 for details of the 2011 program.

Table 7. ROSI Cost Share Projects FY10

<i>Grant Name</i>	<i>Project Description</i>	<i>Cost Share</i>	<i>Partner Match</i>
Historic ROSI Motel Kingman, Arizona	Restore iconic neon sign & roof of this classic ROSI property	\$10,319	\$10,310
Ariston Cafe Litchfield, Illinois	Structural and masonry repairs to long-time ROSI establishment	\$10,000	\$10,000
Dell Rhea Chicken Basket Hinsdale, Illinois	Structural and masonry repairs to long-time ROSI establishment	\$7,000	\$7,000
Luna Cafe Mitchell, Illinois	Restore neon sign to operating condition	\$11,000	\$11,000
Sprague Super Service Station Normal, Illinois	Restore historic windows of this locally designated landmark and National Register-listed property	\$10,000	\$10,000
Landmarks Association of Illinois, St. Louis, Missouri	Develop Historic Structures Report and Preservation Plan for endangered Meramec River Bridge in ROSI State Park	\$15,000	\$30,000
Sunset Motel Villa Ridge, Missouri	Restore historic neon	\$7,100	\$7,100
Wagon Wheel Motel Cuba, Missouri	Roof replacement on this classic tourist court	\$17,500	\$17,500
Arcadia Historical and Preservation Society Arcadia, Oklahoma	Repair rotted siding of Arcadia Round Barn/ROSI museum and landmark	\$21,000	\$21,000
Firestone Service Station Bristow, Oklahoma	Exterior restoration of this National Register property	\$25,000	\$25,000
TOTAL		\$133,919	\$153,919

Tribal Consultation

Tribal consultation continues to be increasingly integrated as part of our work along the extensive network of overland trails administered by NTIR. Dozens of federally recognized tribes are affiliated with the nine historic trails, ROSI, and the lands through which they pass.

To help build new collaborative relationships among the associated tribes, NPS, and various trails organizations, NTIR's tribal liaison is spearheading a multi-year initiative to host tribal listening sessions for tribes that are historically associated with the nine trails and ROSI. The initiative kicked off in 2009. Staff works with 166 federally recognized tribes in 20 states.

KEY ACHIEVEMENTS:

- Conducted Tribal Listening Session at the Pueblo of Pojoaque in New Mexico. Attending tribes included: Pueblo of Pojoaque, San Ildelfonso, Santa Ana, Nambe, and Picuris. (ELCA)
- Consulted with Pueblo of Cochiti Governor Pecos on Labajada Escarpment CESU. Involved with archaeological preservation. Met with landowners. (ELCA)
- Consulted with Rio Grande Heritage Alliance on the need for tribal involvement.
- Consulted with Shoshoni/Bannock tribal members and leadership to consider Old Fort Hall as a National Register site on OREG.
- Completed following tasks for Four Trails Feasibility Study:
 - Identified tribes and updated tribal leadership listing.
 - Encouraged tribes to attend the scoping meetings.
 - Discussed with the Summit Lake Shoshone their concerns of potential impacts to their reservation in Nevada. They declined to be involved.
- Conducted Tribal Listening Session in November 2010 at Las Vegas, Nevada. Six tribes attended. Completed reports. Updated tribal list. (OLSP)
- Conducted Tribal Listening Session on December 9, 2011 in Lawton, Oklahoma. Five tribes attended. Visited Binger, Oklahoma to meet with the chairwoman and tribal historic preservation officers. Completed reports. Updated tribal list. (OLSP)
- Conducted Tribal Listening Session in November at Oklahoma City. Three tribes attended. Completed reports. Updated tribal list. (SAFE)
- Completed site visit with Caddo Nation to encourage partnership (ELTE)
- Identified tribes along the Santa Fe Trail. Partnered with FOLS.
- Identified tribes for the Chisholm and Great Western National Historic Trails. Contacted impacted Tribes to get them involved with the public meetings.
- Identified tribes for the Butterfield Overland Trail. Updated the Tribal Historic Preservation Officers.
- Worked with ROSI Program Coordinator to plan a Tribal Listening Session in FY12.
 - Identified tribes.
 - Reviewed research on ROSI tribal oral histories.
 - Completed Task Agreement.

Summary

In FY 2011, the NTIR noted heightened development pressures that resulted in impacts to trails across the West. A notable increase in collaboration occurred between NTIR and its agency partners in BLM and USFS. This led to a more proactive approach to sharing information about upcoming energy proposals, an increase in cooperating agency agreements, and more effective mitigation for unavoidable trail impacts. NTIR found itself dedicating increasing resources towards keeping abreast of development impacts along the trail corridors.

Despite the increased threats to the trails that were caused by the expanding energy development, the public's interest and support of trails increased. Several features of the Public Lands Act of 2009 affected the trails and programs administered by the NTIR. Several historic routes were added to TRTE, raising the total mileage to 5,043 miles; ROSI was reauthorized for another 10 years; and new feasibility studies were assigned to the NTIR, including the Butterfield Overland Trail, the Chisholm and Great Western Cattle Trails, and an evaluation of 64 routes for potential addition to OREG/CALI/POEX/MOPI.

NTIR felt the restrictions placed on it by the travel ceiling in FY11 and sought to minimize travel and use ceiling units more effectively. On the other hand, requests for CCSP projects remained high, and we used some base funding to support valuable projects. NTIR continued its concentrated efforts to reach out to affected Indian tribes along the trails and roads, hosting four very successful tribal listening sessions in FY11. Altogether, 18 federally recognized tribes sent representatives to these gatherings to confer with NTIR about trail history and impacts to indigenous peoples, NPS interpretive efforts, and opportunities for tribes to become involved in trails administration and interpretation.

This report of the FY11 activities of the National Trails Intermountain Region, National Park Service is submitted by:

Aaron Mahr, Superintendent

October 2012