

from federal and state agencies as well as Native American tribes. Field surveys conducted by Cardno in support of this project included both architectural and archaeological studies, which assisted in the preparation of a Historic Property Management Plan for the Enloe Project.

Green-Line Seattle Monorail Project

King County, Washington

Cardno provided management of the cultural resources for the NEPA/SEPA Green-Line Seattle Monorail Environmental Impact Statement (EIS) and Section 106 report. Within Seattle, architectural historians inventoried and assessed impacts to 724 resources 50 years of age or older, including two historic districts of local and national significance. Our firm coordinated with local, state, and federal historic preservation officials to evaluate resources, assess impacts, and develop mitigation measures, and a memorandum of agreement (MOA) for the fourteen mile project in Seattle. One example of mitigation for adverse project effects included a Historic American Building Survey (HABS).

Keystone Oil Pipeline Third Party EIS

North Dakota to Cushing, Oklahoma

Cardno is the prime contractor for a third party EIS for the TransCanada Keystone Pipeline, LLC (Keystone), a 1,078 mile pipeline delivering tar sands syncrude from Alberta, Canada to terminals in Illinois and Oklahoma. The lead agency for the EIS is the U.S. Department of State (DOS). Oil pipelines crossing the international border require a Presidential Permit administered by DOS. Cooperating

agencies for the EIS include USEPA, USFWS, USCOE, USDOE, and the Advisory Council on Historic Preservation (ACHP). The pipeline corridor crosses seven states and four major rivers. Cardno Cultural Resources personnel assisted the DOS in consultation with agencies and Indian tribes, and in compliance with Section 106 of NHPA, including the development of a programmatic agreement. Over 87 Tribes were included in the compliance effort.

Haile Gold Mine Third Party EIS

Lancaster County, South Carolina

As a third party contractor, Cardno is preparing the Environmental Impact Statement (EIS) for the proposed Haile Gold Mine. The applicant, Haile Gold Mine, Inc., a subsidiary of the Romarco Minerals of Toronto, has proposed to reactivate the existing Haile Gold Mine near Kershaw, South Carolina for the development of gold resources, to expand the area for open pit mining, and construct associated processing facilities. The EIS will analyze the potential direct, indirect, and cumulative environmental effects of the proposed project and its alternatives in accordance with NEPA, the Council on Environmental Quality (CEQ) guidelines, USACE regulations implementing NEPA, Section 404 of the Clean Water Act, and other applicable regulations and Executive Orders. Cardno's cultural resources team is helping the USACE, Charleston District with technical review of reports supplied by the Applicant, drafting cultural resources sections of the EIS, and assisting with tribal consultation.



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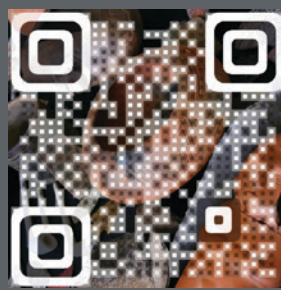
Cardno provides services to plan, design, manage and deliver sustainable physical, social and economic infrastructure for local and international communities.



Cultural Resources

About Cardno

Cardno is a professional infrastructure and environmental services company, with expertise in the development and improvement of physical and social infrastructure for communities around the world. Cardno's team includes leading professionals who plan, design, manage and deliver sustainable projects and community programs. Cardno is an international company listed on the Australian Securities Exchange [ASX:CDD].



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Cultural Resources



The **Cardno** Cultural Resources Group is proficient in the areas of archaeology, history, architectural history, and historic preservation of architecture.

Our in-depth knowledge of federal regulations facilitates environmental processes and their compliance with Section 106 of the National Historic Preservation Act (NHPA), Section 4(f) of the Transportation Act, the National Environmental Policy Act (NEPA), and the State Environmental Policy Act (SEPA). Our cultural resources staff understand the state and local regulations affecting cultural resources as well, which is evidenced by our work as on-call historic preservation consultants for local jurisdictions. Cardno assists clients in the management and development of historic resources through Historic Investment Tax Credit projects, and in the interpretation and implementation of local preservation ordinances.

Our specialized archaeological services include survey, testing, data recovery, ethnographic studies and construction monitoring, as well as the development of treatment plans and curatorial plans. Our architectural historians conduct inventories and National Register of Historic Places eligibility evaluations, author context statements, develop historic structures reports and treatment plans. They are also skilled at tribal consultation, writing management plans and memorandum of agreements, as well as providing expert witness testimony.

During the past 25 years Cardno has built a solid reputation for successfully applying innovative technologies and approaches to ensure timely project deliverables for its clients.

Services

Historic Preservation Services

- > Compliance related to Section 101 (b) of NEPA
- > Assessments and reports for Section 106 of NHPA
- > Assessments for Section 4(f) of DOT Act
- > Federal Investment Tax Credits (ITC)
- > State Historic Preservation (SHPO) Compliance
- > Compliance with Local/State preservation laws
- > Development of agreement documents
- > NEPA/CEQA/SEPA reports, compliance and mitigation
- > Historic Property Inventory
- > Preservation of Historic Resources
- > Rehabilitation/Restoration of Historic Sites
- > Historic properties management plans
- > Expert witness testimony
- > Development of Agreement Documents (PA, MOA, MOU)
- > NPS Certified Rehabilitation Projects
- > HABS/HAER Documentation

Archaeological Services

- > Archival and Records Review
- > Predictive Modeling
- > Field Surveying, Site Testing, and Data Recovery
- > NRHP evaluations
- > Native American Consultations
- > Data recovery and mitigation implementation
- > Artifact analysis
- > Construction Monitoring
- > Inadvertent Discovery Plans
- > Laboratory Services

Anthropological Services

- > Ethnographic Services
- > Traditional Cultural Properties
- > Ethnohistory
- > Ethnobotany

Project Examples

Site 1 Impoundment D-525N (L-40 Modifications)

Palm Beach County, Florida

This project, which is part of the Comprehensive Everglades Restoration Plan (CERP) being completed by a partnership between the USACE and the South Florida Water Management District, involves modifications of approximately 15,000 linear feet of the existing L-40 levee to create an approximately 1,800-acre water retention area. Cardno is providing a full-time on-site archaeological monitor for the duration of the construction project in addition to developing resource management protocols and conducting equipment operator training. Cardno prepared an agency-approved inadvertent discoveries protocol which has been successfully implemented, including long-term monitoring of impact avoidance for a culturally sensitive find.

Rock Creek Hydroelectric Decommissioning and HAER Documentation

Baker County, Oregon

Cardno prepared a cultural resources report in compliance with Section 106 of the National Historic Preservation Act, for the decommissioning of this power plant. In

preparation, cultural resource personnel conducted extensive preliminary research into the ethnographic record of the area as well as the historic significance of power plant structures which had formerly been determined eligible for the NRHP. Cardno also conducted an archaeological and historic resources field survey, an analysis of impacts, and a Historic American Engineering Record (HAER) survey to assist in the development of mitigation measures, and a treatment plan for the Oregon Trail Electric Consumer Cooperative. Cardno also assisted in effective agency coordination with FERC, the Forest Service, the Oregon SHPO, and Indian Tribes, as well as the client.

Enloe Dam FERC Licensing Project

Okanogan County, Washington

Cardno was asked to lead the development of a Federal Energy Regulatory Commission license application for the Enloe Project, a small hydroelectric facility on the Similkameen River. As part of the cultural resources portion of this project, Cardno is evaluated archaeological and historic resources, including the National Register of Historic Places-listed Enloe Dam and Powerplant. Cardno led Section 106 consultation in addition to coordinating a Cultural Resources Working Group, which met monthly to discuss the project. Working Group members included representatives