



# *Serving the* **Native Nations**

**Bohannon**  **Huston**

- 
- 
- ▲ **Engineering**
  - ▲ **Spatial Data**
  - ▲ **Advanced Technologies**



## We understand...

that most Native communities are located in culturally, historically and archeologically sensitive locations. Our planning and design process reflects the need to protect the environment and the cultural riches it contains.

At Bohannon Huston, Inc. (BHI), we have a long history of working with many tribal nations, and we are familiar with the contracting processes and requirements. We have forged partnerships with several Native-owned firms in our efforts to provide the most responsive services to our clients from concept through completion.



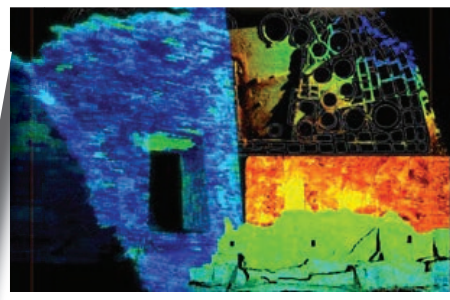
### Engineering



BHI has a long and successful history of providing engineering solutions for our clients. We offer:

- Civil and Structural
- Water and Wastewater
- Traffic and Transportation
- Aviation Engineering
- Mechanical and Electrical
- Construction Observation
- Planning Services

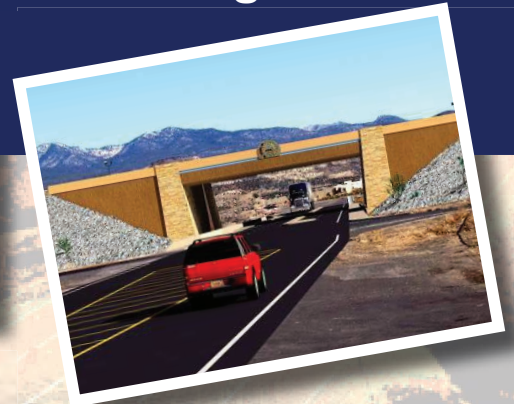
### Spatial Data



BHI survey and mapping services allow us to assist you with your project at the earliest stages of planning and development. We offer:

- Data collection for planning and design
- Knowledgeable staff
- Efficient electronic data gathering tools
- GIS and Terrestrial LiDAR technologies
- CFedS-certified surveyors

### Advanced Technologies



BHI is committed to shaping and guiding the future of technology through our investment in:

- Software and programming
- CADD implementation and training
- Web development
- Graphic renderings and animations



# A History of Successful Projects

## Jicarilla Apache Water and Wastewater Model and Master Plan

BHI prepared Water and Wastewater system master plans for the community of Dulce on the Jicarilla Apache Indian Reservation in northern New Mexico. BHI provided aerial mapping and high-precision, attribute-rich field data collection for the 14 square mile area of existing water and sewer facilities for the Jicarilla Apache Utility Authority (JAUA). BHI developed recommendations for future projects based on the system analysis and prepared a Capital Improvements Program for the next 20 years. The projects were prioritized and system improvements have been implemented with coordination from the JAUA and the Bureau of Reclamation.

## Navajo Nation Justice Centers - Crownpoint and Tuba City

BHI provided onsite civil engineering design and surveying services for two Navajo Justice Centers in Crownpoint, New Mexico and Tuba City, Arizona. Each of the justice centers is comprised of approximately 100,000 square feet of buildings, including courts facilities, law enforcement facilities and correctional facilities. The projects required extensive coordination with the Bureau of Indian Affairs (BIA), New Mexico Department of Transportation (NMDOT) (Crownpoint) and the Navajo Tribal Utility Authority (NTUA).

## Pueblo of Laguna Water and Sewer System Replacement

After providing aerial photography to assist in planning for improvements to the Pueblo's aging water system, BHI prepared a preliminary engineering report (PER) and used the recommendations to help the Pueblo secure \$26 million in USDA Rural Development funding for design and construction of a new water system. BHI designed the fast-track project to install 50 miles of new distribution pipe throughout the Pueblo.

## Kayenta Health Facility

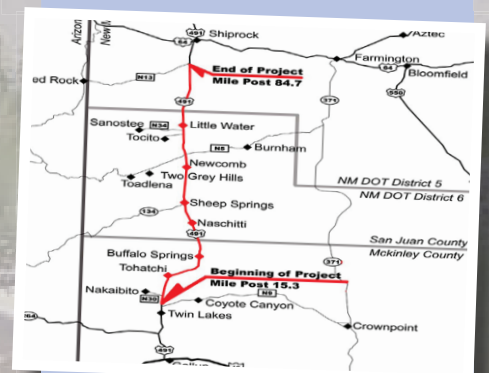
BHI provided onsite and offsite infrastructure, including fire protection, sanitary sewer, grading and drainage for this 182,000 square foot facility in Kayenta, Arizona. As a LEED® Silver-certified project, BHI was responsible for the accreditation for site development and stormwater designs. The project required coordination with Indian Health Services, the Kayenta township and the NTUA.

## Pueblo of Santa Ana Roadway Improvements and Construction

The four road segments — Ranchitos, Dove, Day School and Yellowbird Roads — provide access to villages and tribal government offices and also function as critical emergency and school bus routes for Santa Ana Pueblo. BHI performed topographic survey, developed PERs and cost estimates, provided final design, developed contract documents, assisted with bidding and provided onsite construction observation for over 5 miles of rural and residential roadway segments on the Pueblo. The team worked closely with the Pueblo and other utility owners for utility location and coordination. The improvements to the roadways significantly improved drainage facilities, added pedestrian facilities and enhanced safety features for the Pueblo and its residents.

## US 491 Final Alignment Study and Design

As this project was entirely within the Navajo Nation, BHI — as the consultant for the NMDOT — worked closely with the Navajo Department of Transportation to develop the study and design. Over 40 chapter house and public meetings were held to inform the public and solicit public opinion. The 70-mile corridor project included survey, mapping, right-of-way maps, analysis and design of drainage crossing structures, signing and striping, traffic control and coordination with bridge designs. BHI coordinated with the NTUA and other utility owners to determine utility conflicts and relocation requirements. The team worked closely with Navajo Land Department and BIA through the right-of-way application process. Once completed, this project will provide a four-lane highway from Gallup to Shiprock through the Navajo Nation.

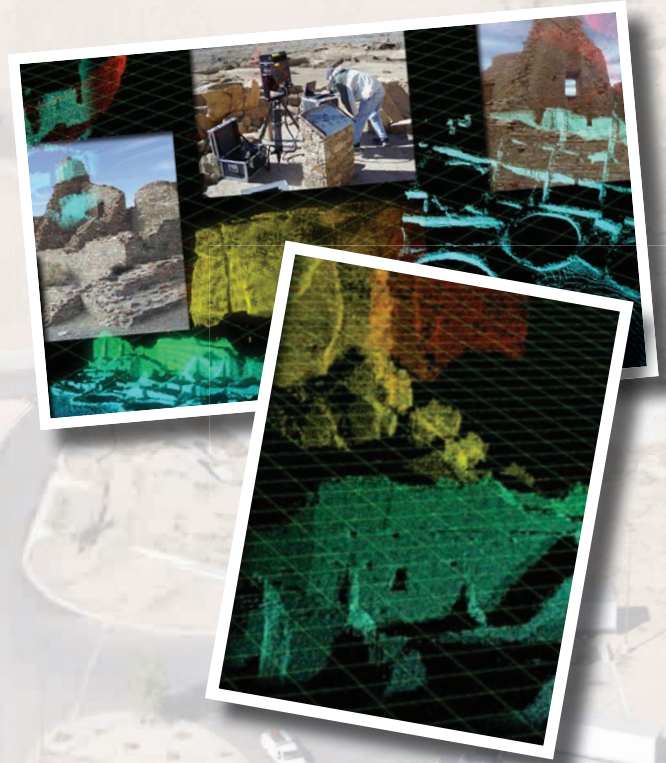


# Simplified Contracting

BHI is a nationally recognized service provider with extensive experience serving the Pueblos and Native Nations in the areas of Engineering, Spatial Data and Advanced Technologies.

The following contracts are in place to streamline access to our services:

- **Indian Health Services (#HHSI161201500005I)**
- **Bureau of Indian Affairs (CABQ6100001)**
- **Cooperative Educational Services (2014-015 906003 BHI)**



*BHI approaches our work with **respect** for cultural, historical and archeological sites. We also continue to demonstrate our respect for the environment by incorporating **environmental stewardship** and **sustainability** into our designs.*

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