



MANRRS



Location: National Operation Center

Dates: June 5th- August 18th

Job Title: Architect

Related Degree: Architecture

Position Description: The BLM's National Operations Center, Branch of Architecture and Engineering seeks one Architectural Intern to assist in Section OC-671, Planning, Design and Construction. The project(s) includes assisting Section OC-671 in completing milestone deliverables on various design and construction projects in the office work plan. Section OC-671 is comprised of (2) architects, (1) Structural Engineer, (2) Mechanical Engineers, (1) Electrical Engineer and (1) Civil Engineer. These positions are considered scarce skill positions in the BLM because they are not duplicated elsewhere. We are examining how we will continue to provide excellent support to the bureau as older employees retire. The DHA program provides a vehicle for introducing future architectural and engineering professionals to the work performed at the National Operations Center and an opportunity for direct hire. The BLM and the intern will benefit from the program this year but there is also a potential benefit for both as the work force transitions and we work to prevent the loss of institutional knowledge.

Location: NOC/BLM

Dates: June 5th- August 18th

Job Title: Biological/Physical Science Intern (depending on occupational series hired)

Related Degree: Biology/Ecology/Physical Science

Position Description: This project contributes to the implementation of BLM's Landscape Approach by assisting a field office in applying a Rapid Ecoregional Assessment (REA) in the land use planning process. The Landscape Approach improves BLM management of public lands through better integration of assessment, planning, implementation and monitoring in an adaptive management feedback loop (see https://www.blm.gov/wo/st/en/prog/more/Landscape_Approach.html). REAs provide broad-scale syntheses of existing resource conditions, and models that predict likely long-term effects of major environmental stressors (climate change, wildfire, invasive species, and development; see https://www.blm.gov/wo/st/en/prog/more/Landscape_Approach/reas.html). These assessments provide context for developing land use plans, but have not been used as widely as hoped. This project will provide technical assistance in applying REAs to a field office developing a land use plan.

Website: www.manrrs.org

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Location: National Operation Center OC670

Dates: June 5th- August 18th

Job Title: Civil Engineer

Related Degree: BSCE Civil Engineering

Position Description: The BLM's National Operations Center, Branch of Architecture and Engineering seeks one Civil Engineering Intern to assist in the Dams/Bridge Inspection Services Program. The Branch has two engineers which perform annual site condition assessments / inspections of approximately 100 Bridges and about 50 Dam safety Inspections (Bureau wide). The performance of these duties requires One – Certified Bridge/Dam Inspector and One – Engineering Assistant to assist with:

- Inspection Preparation; including coordination with Field Office staff, travel logistics, review of past inspection records, maps, and design drawings.
- Field Work: includes performing visual evaluations of site work, evaluation of steel/concrete/wood/ and earthen structures, evaluation of scour and erosion of river channels/spillways, standardized condition rating for the structures, photographing structures, and recording the findings of each inspection. Each inspection entails a thorough evaluation of each component of the structure; deck, superstructure and substructure for bridges and the spillway and embankment of each dam.
- Formal Reports; this work includes transcribing field notes and photographs into formal reports which provide a Bridge/Dam structural Condition Rating, a list of structural deficiencies, recommended repairs, and cost estimates. Reports include many data fields pertinent to national programs including the National Bridge Inventory and the National Inventory of Dams. These reports will be sent to the applicable BLM State Engineer and Field Office Manager. All Bridge Inspection Reports will include a stream cross section profile which will give the interns the opportunity to work in civil drafting software- AutoCAD.
- Data Records: this work includes posting the Formal reports into a SharePoint Document Library and entering data from the inspections into the BLM Facility Asset Management System (FAMS) database.

Location: National Operations Center

Dates: June 5th- August 18th

Job Title: Natural Resources Intern

Related Degree: Natural Resources/Physical Sciences/Hydrology

Position Description: Surface disturbance resulting from multiple-use management of public lands is associated with the transport of large quantities of salt and sediment to rivers and streams in the Colorado River Basin, an important source of water for millions of people in portions of seven western states. Congress directed the BLM and other agencies to participate in efforts to reduce the transport of salt and sediment with passage of the Colorado River Basin Salinity Control Act in 1974 that created a unique partnership intended to protect water quality, meet international treaty obligations to Mexico, and help state governments comply with provisions of the Clean Water Act. The selected intern will be working on a project to support development of watershed and water-quality modeling tools being developed by the BLM for its Colorado River Basin Salinity Control Program

(http://www.blm.gov/wo/st/en/prog/more/soil2/water/Salinity_Program.html). The modeling tools are being developed to improve how the BLM quantifies and reports the amount of salt and sediment retained by land-management activities and help inform partnership decision needed to continue meeting Salinity Control Act and Clean Water Act requirements.

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