Eastern Federal Lands Highway Division
Federal Highway Administration
U.S. Department of Transportation

— Career Development Opportunities —

Civil/Highway Engineer (Geotechnical Engineer) GS-810-7/9/11/12
Salary Range: $43,521.00 – $95,026.00

Organizational Overview

Federal Lands Highway (FLH)

Nearly one-third of the land area of the United States is Federally owned and administered. The Federal Government has a special interest in and responsibility for highways on or serving these Federal and Indian Lands. Congress has established various programs to fund the construction of highways on Federal and Indian lands. The Federal Highway Administration (FHWA) is authorized to assist its Federal Agency partners to perform engineering and related services for the development and improvement of these highways. The FHWA, through the Federal Lands Highway office is responsible for two of these programs: Federal Lands Highway Program (FLHP) and the Emergency Relief on Federally-owned Roads Program.

Federal Lands Highway Program (FLHP)

The FLHP is administered in cooperation with our Federal Land management partners. Our partners include the National Park Service (NPS), Forest Service, U.S. Fish and Wildlife Service and the Bureau of Indian Affairs who depend on FHWA for all, or a portion of their engineering, design and contract administration needs. The FLHP includes four funding categories: the Park Roads and Parkways Program, the Public Lands Highway Program (which includes the Forest Highway and Public Lands Discretionary Programs, the Refuge Roads Program, and the Indian Reservation Roads Program. These partners rely on the FHWA for all, or a portion of their planning, engineering, design and contract administration needs. Other Federal agencies and State Departments of Transportation also request our services on a periodic basis. The FHWA and its Federal partners are responsible for constructing some of the most beautiful and scenic highways in America through the FLHP.

Eastern Federal Lands Highway Division (EFLHD)

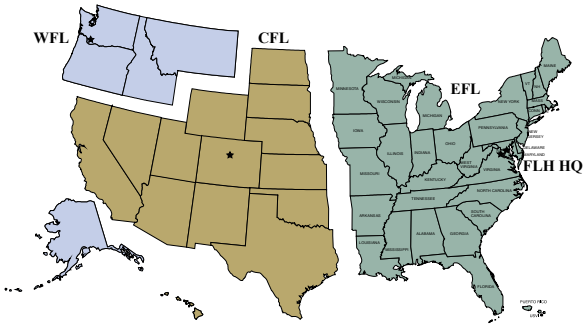
Based outside Washington, D.C., in Sterling, Virginia, the EFLHD is one of three field offices responsible for the Federal Lands Highway Program. The EFLHD provides our partners with transportation program administration and engineering services for planning, environmental compliance, design, contract administration, construction, and rehabilitation of highways and bridges on or providing access to federally-owned lands serving 31 Eastern States, Puerto Rico, and the U.S. Virgin Islands.

EFLHD Geotechnical Section

The EFLHD Geotechnical section performs design analysis and provides design recommendations for transportation engineering projects that include various bridge foundation types (shallow and deep foundations), retaining walls and reinforced soil slopes. The EFLHD Geotech team also performs slope stability analysis including challenging landslide design repairs and, earthwork projects that include cut-fill slopes. Geotechnical design concepts and solutions are performed with due considerations for the environmental, scenic, aesthetic, and historic aspects of a project.

The EFLHD Geotechnical Field crew performs subsurface field investigations using power drill rigs, subsurface sampling equipment, rock-coring equipment and on-site geophysical and testing equipment. The Geotechnical field crew also performs installation of various Geotechnical instrumentation.

The Geotechnical staff continuously interacts with the Project Development (Highway Design), Bridge (Structural), Hydraulics, Safety and Construction sections throughout the project design and during construction. This synergy provides opportunity for innovation, exploration and application of new technologies that result in cost effective and safe projects. The EFLHD Geotechnical team provides designs that meet American Association of State Highway and Transportation Officials (AASHTO) and industry standards and specifications.



To apply visit http://www.fhwa.dot.gov

For specific questions, please contact the

EFLHD Professional Development Office via e-mail: hr.eflhd@fhwa.dot.gov