

**Internship ID# SM14ENVIRONMENTAL02**

**NEW JERSEY DEPARTMENT OF TRANSPORTATION**

**INTERNSHIP OPPORTUNITY**

**Internship/Semester:** Summer

**Internship Type:** Non-Credit

**Intern Level:** Undergraduate

**Suggested Background and/or Knowledge:**

Background in one of the Natural Sciences, including Biology, Geology, Environmental, or Chemistry.

**NJDOT Division/Unit/Program Area Offering the Internship:**

Division of Environmental Resources/Environmental Services and Support Unit.

**Description of NJDOT Division/Unit/Program Area Offering the Internship:**

Unit supports Facilities and Operations relative to environmental compliance.

**Internship Location:**

NJDOT

Foran Technical Services Building

951 Parkway Avenue

Ewing, NJ

**Internship Project Description:**

Assist Water Unit Group with ETrak data management; assist with the review of Department planned or emergent highway maintenance project scopes of work and determination of potential regulatory impacts relative to: Threatened and Endangered species, Freshwater Wetlands, land Use, etc. Assist with collection of potable water supply, groundwater and surface water samples for chemical analysis. Assist with maintenance facilities audits for environmental compliance.

**Estimated Project Duration and Suggested Weekly Work Schedule:**

3 months

Minimum 2 days per week

Schedule negotiable

**Internship Learning Objectives/Marketable Skills:**

Environmental project management, NJ Department of Environmental Protection permit regulations, data collection and management, GIS mapping.

Under the mentorship of a division staff supervisor, the intern will be trained in the following areas:

- How to review department planned or emergency highway maintenance project scopes of work to determine potential regulatory impacts relative to: Threatened and Endangered Species; Reforestation; Fresh Water Wetlands; Army Corps; Flood Hazard Area; Pinelands; Meadowlands; Highlands; Delaware and Raritan Canal, State Historic Preservation, etc.
- How to review project plan sheets and/or conduct field reviews, access NJDEP's GEOWeb and iMAP GIS data layers and prepare permit application documents.
- How to collect potable water supply, groundwater and surface water samples for chemical analysis using proper methods.
- How to conduct on-site inspections to determine compliance with regulations.