

# Entry Level Environmental Planner - Major Transportation projects, Southfield, Michigan

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United States of America - Michigan, Southfield

## **Job Summary**

AECOM is actively seeking a creative, highly talented Entry Level Environmental Planner for immediate employment in Southfield, Michigan. The successful candidate will work on a large transportation project and other projects and proposals involving environmental and related work. Familiarity with US and Canadian environmental requirements and protocol will be advantageous. AECOM is proud to provide our employees with exciting, challenging projects.

AECOM is pleased to include you in a unique development opportunity, the Graduate Development Program (GDP). This program is designed to support your assimilation into the organization and assist with creating a foundation of knowledge for a successful career at AECOM. You will gain experience in your discipline through learning on the job and participate in development opportunities during the program, including access to AECOM's social media resources, group mentoring, and professional networking. The program also has learning activities that will be available to you, including webinars and on-line programs.

The right candidate should be capable of conducting the responsibilities listed below and have local knowledge of ecosystems; be someone who works well with others and is comfortable in small or large groups; and who can skillfully and efficiently prepare high quality technical documentation/reports/permit packages.

The responsibilities of this position include, but are not limited to the following:

- Assist an interdisciplinary team with all aspects of environmental impact analysis, compliance tracking and documentation
- Manage small or medium-sized tasks and serve as support for more complex tasks for a large transportation project
- Assist Environmental Team Lead with implementation of Environmental Management System
- Document meeting discussions and help track and complete actions from meetings
- Analyze and write environmental impacts from project activities to complete environmental documents
- Ability to participate in field monitoring activities

## **Minimum Requirements**

- Bachelor's Degree in Environmental Engineering, Environmental Science, Biology, Environmental Planning or other related field

- Understanding of the environmental regulatory framework in Michigan, including applicable state and federal laws
- Strong research and analytical abilities
- Strong written and oral communication skills, including the editing, oversight or preparation of technical reports
- Ability to work on several projects or issues simultaneously
- Ability to document meetings and tracking actions for team members
- Actively participated in management of environmental tasks including client interaction, schedule and budget controls
- Due to the nature of the work, US Citizenship is required

### **Preferred Qualifications**

- Demonstrated experience working with private developers, municipal, state or federal governments on environmental documents and permits; experience working with the State of Michigan and local municipalities in the Detroit Metropolitan Area preferred
- Experience interacting with regulatory agency representatives in southern Michigan
- Familiarity with ISO 14001:2015
- Ability to participate in field monitoring activities

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### **Job Category** Planning

### **Business Line** Environment

### **Business Group** Design and Consulting Services Group (DCS)

### **Country** United States of America

### **Position Status** Full-Time

### **Requisition/Vacancy No.** 196667BR

Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability or protected veteran status.

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Entry Level Environmental Plann...

Southfield

Michigan

# Entry Level Geologist/Scientist, Grand Rapids, Michigan

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United States of America - Michigan, Grand Rapids

## Job Summary

AECOM is actively seeking a highly motivated Entry Level Geologist for employment in the Grand Rapids, MI office.

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Under the responsible charge of a Professional Geologist:

- Utilize basic scientific principles, theories, practices and existing technologies to develop solutions for technical problems with limited scope
- Collect and enter data, and apply technical principles and theories
- Interpret and record data, conduct analyses, compare findings to relevant studies and local, state and federal regulations to ensure compliance
- Work under supervision of a project manager or senior-level team member
- Soil and Groundwater Sampling
- Task and Field Management
- Plan and implement field and office tasks

## Minimum Requirements

- Bachelor's degree in relevant scientific discipline (e.g., environmental science, soil science, agriculture, geology or any scientific related field)

- Must pass a State and Federal criminal history/security background Check; many projects/ clients are security sensitive
- Must possess a valid driver's license
- Due to nature of the work U.S. Citizenship is required

### **Preferred Qualifications**

- Ability to work in a team environment; individually; and interact with other engineers, scientists, and administrative support
- Experienced with environmental science principles, including site assessment and characterization, remediation, risk assessment, environmental chemistry, etc.
- Tolerance for overnight travel and working approximately 50-75 % of time in an outdoor environment
- Ability to participate in and successfully complete a post-offer, pre-employment fitness for duty questionnaire
- Ability to meet the medical clearance requirements of an OSHA (HAZWOPER) medical surveillance physical examination
- Effective oral and written communication skills
- Proficiency with Microsoft Office(Word, Excel, Outlook
- 40-Hour Hazwoper Certificate/Training, with 8-Hour Refresher (current)

### **What We Offer**

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those candidate(s) without any financial obligation to the recruiter or agency. Any unsolicited resumes, including those submitted to hiring managers, are deemed to be the property of AECOM.

**Job Category** Engineering - Geology

**Business Line** Environment

**Business Group** Design and Consulting Services Group (DCS)

**Country** United States of America

**Position Status** Full-Time

**Requisition/Vacancy No.** 195857BR

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# Entry Level Traffic/ITS Engineer, Southfield, Michigan

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United States of America - Michigan, Southfield

## Job Summary

AECOM is actively seeking a highly motivated Entry Level Traffic/ITS Engineer for employment in the Southfield, MI office locations. AECOM is pleased to include you in a unique development opportunity, the Graduate Development Program (GDP). This program is designed to support your assimilation into the organization and assist with creating a foundation of knowledge for a successful career at AECOM. You will gain experience in your discipline through learning on the job and participate in development opportunities during the program, including access to AECOM's social media resources, group mentoring, and professional networking. The program also has learning activities that will be available to you, including webinars and online programs.

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Under the responsible charge of a Professional Engineer:

- Perform assignments requiring application of standard techniques, procedures and criteria to carry out engineering tasks. Assignments are designed to further develop judgment and understanding of professional and ethical responsibilities.
- Exercise judgment limited to developing details of work in making preliminary selections and adaptations of engineering alternatives
- Prepare engineering related calculations and develop drawings and visual aids
- Work on a wide range of projects and tasks and assist with field research, data collection, data analysis, graphics, maps and data presentation, and report development
- Assist in design of transportation roadway and civil engineering projects
- Work under supervision of a project manager or senior-level team member
- Demonstrated ability to build trusting working relationships with clients and colleagues

## Minimum Requirements

- Bachelor's Degree in Civil Engineering with an emphasis in traffic or transportation engineering or related field.
- Capable of using spreadsheet, word processing and standard office software.
- Basic knowledge of industry standard computer software for the position (examples include software such as of MicroStation, Synchro, VISSIM).
- Knowledge of traffic engineering concepts and working knowledge of traffic analysis software programs.
- Familiarity with the Manual on Uniform Traffic Control Devices, ITE Trip Generation Manual, etc.
- Knowledge and understanding of design development process and requirements for traffic signals, pavement markings, maintenance of traffic
- Good communication skills.
- Detail-oriented approach to completing tasks.
- Ability to clearly and effectively communicate ideas verbally and through writing, using both textual and graphical displays.
- Ability to quickly learn and apply new technical skills in an efficient manner to complete tasks.
- Capability to effectively manage multiple tasks with varying or overlapping deadlines.
- State Issued Driver's License in good standing

### **Preferred Qualifications**

- Master's Degree with emphasis in traffic.
- Engineer-in-Training (EIT) or Fundamentals of Engineering (FE) preferred.
- Experience in the areas of developing roadway traffic plans, ITS plans, and performing traffic analysis.
- Experience reviewing plans and drawings for roadway infrastructure and/or site developments.
- Experience working on large-scale projects in a team environment.
- Experience completing tasks independently, under the guidance of senior staff.
- An understanding of motorized and non-motorized traffic operations and safety-related aspects
- Experience with writing and technical report preparation.



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**Job Category** Engineering - Transportation

**Business Line** Transportation

**Business Group** Design and Consulting Services Group (DCS)

**Country** United States of America

**Position Status** Full-Time

**Requisition/Vacancy No.** 195243BR

Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability or protected veteran status.

# Entry Level Transportation Planner, Southfield, Michigan

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United States of America - Michigan, Southfield

## Job Summary

AECOM is actively seeking a creative, talented Entry Level Transportation Planner for immediate employment in our Detroit and Southfield, Michigan offices. The position will help support AECOM's varied planning, design and research projects for transportation agencies throughout the state, including Michigan DOT, transit agencies, municipalities, and other local governments. The individual will be responsible for creatively and efficiently developing written and graphical planning products to serve the needs of our diverse set of clients.

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This individual will report to AECOM's Planning Group Manager for Michigan, and support project work for clients throughout the state. Among other places, AECOM's Michigan Planning Group is actively working in Detroit, Ann Arbor, Grand Rapids, Lansing, Kalamazoo, and Flint. This group also supports AECOM's national transportation planning practice. The qualified applicant will be a highly motivated individual with demonstrated knowledge of, and enthusiasm for, multi-modal transportation planning and analysis. Example projects include transit corridor studies, roadway design studies, pedestrian and bicycle enhancement plans, environmental analyses, transportation data collection, and policy or best-practice research.

The responsibilities of this position include, but are not limited to:

- Assist with field research, data collection, data analysis, graphics, maps and data presentation, as well as report development

- Work under supervision of a project manager or senior-level team member
- Staying current on emerging best practices in multi-modal transportation analysis and planning from around the state and country

### **Minimum Requirements**

- Bachelor's degree in urban planning, transportation, geography, public policy, or related area of study
- Demonstrated experience in multi-modal transportation planning and analysis, including analyzing and recommending solutions for urban transportation issues
- Knowledge of the principles and practices of planning, research and data collection
- Analytic skills to interpret research data for reports and apply mathematical techniques in practical situation
- Oral communication and interpersonal skills to explain planning concepts clearly to clients and the public
- Presentation skills to synthesize data and research into compelling reports and graphics
- Capable of multi-tasking and working in a fast-paced environment, including an ability to prioritize and meet task deadlines

### **Preferred Qualifications**

- Master's degree in urban planning, transportation, geography, public policy or related area of study
- 1-2 years of experience in transportation planning including demonstrated work samples
- AICP certification (or desire to obtain within first two years of employment)
- Knowledge in developing and presenting illustrative reports and graphics utilizing Adobe CS or other graphical software packages
- Experience utilizing GIS to develop maps and conduct spatial analysis
- Strong command of the written and spoken English language
- Fast learner who is open to learning new concepts, specializations and software programs

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**Job Category** Planning

**Business Line** Transportation

**Business Group** Design and Consulting Services Group (DCS)

**Country** United States of America

**Position Status** Full-Time

**Requisition/Vacancy No.** 195128BR

Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability or protected veteran status.

# Roadway Intern, Grand Rapids, Michigan

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United States of America - Michigan, Grand Rapids

## Job Summary

The DCS Division of AECOM is actively seeking a creative, highly talented Transportation Engineering Student for summer employment in the Grand Rapids, MI office.

### Roadway Intern

- Assist with the production of construction plans for roadway projects
- Using MicroStation and GEOPAK to develop roadway design plans and 3D design models under the supervision of a Senior Engineer
- Assist in developing roadway construction cost estimates by calculating construction quantities and creating spreadsheets
- Performing field reviews and taking field measurements
- Verifying that applicable codes and engineering standard practices are being met
- Independently evaluating, selecting, and applying standard engineering techniques, procedures and criteria and using judgement in making minor adaptations and modifications

## Minimum Requirements

- Pursuing a degree in Bachelor's of Science in Civil Engineering or equivalent
- Valid driver's license
- Due to the nature of this position, US Citizenship is required

## Preferred Qualifications

- Previous experience with MicroStation and GEOPAK software
- Prior Roadway Design or Construction inspection experience
- Strong proficiency with Microsoft Office tools

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**Job Category** Vacation Student / Internship / Graduate

**Business Line** Transportation

**Business Group** Design and Consulting Services Group (DCS)

**Country** United States of America

**Position Status** Intern / Student

**Requisition/Vacancy No.** 195233BR

Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability or protected veteran status.

# Traffic/ITS Intern, Grand Rapids, Michigan

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United States of America - Michigan, Grand Rapids

## Job Summary

The DCS Division of AECOM is actively seeking a creative, highly talented Transportation Engineering Student for part time employment in the Grand Rapids, MI office.

### Traffic/ITS Intern

- Assist with the production of construction plans for transportation projects.
- Using MicroStation to develop traffic and ITS design plans under the supervision of a Senior Engineer.
- Develop construction cost estimates by calculating construction quantities and creating spreadsheets.
- Performing field reviews and taking field measurements.
- Verifying that applicable codes and engineering standard practices are being met.
- Independently evaluating, selecting, and applying standard engineering techniques, procedures and criteria and using judgement in making minor adaptations and modifications

## Minimum Requirements

- Pursuing a degree in Bachelor's of Science in Civil Engineering or equivalent
- Valid driver's license
- Due to the nature of this position, US Citizenship is required
- As required by client, candidate must pass a drug screen prior to employment

## Preferred Qualifications

- MicroStation software experience
- Transportation Design or Construction inspection experience
- Microsoft Office

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**Job Category** Vacation Student / Internship / Graduate

**Business Line** Transportation

**Business Group** Design and Consulting Services Group (DCS)

**Country** United States of America

**Position Status** Intern / Student

**Requisition/Vacancy No.** 196779BR

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# Water Resources Engineer, Southfield, Michigan

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United States of America - Michigan, Southfield

## Job Summary

AECOM is actively seeking a highly motivated Water/Wastewater Engineer for employment in the Traverse City, MI office. AECOM is pleased to include you in a unique development opportunity, the Graduate Development Program (GDP). This program is designed to support your assimilation into the organization and assist with creating a foundation of knowledge for a successful career at AECOM. You will gain experience in your discipline through learning on the job and participate in development opportunities during the program, including access to AECOM's social media resources, group mentoring, and professional networking. The program also has learning activities that will be available to you, including webinars and on-line programs.

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Under the responsible charge of a Professional Engineer:

- Perform assignments requiring application of standard techniques, procedures and criteria to carry out engineering tasks. Assignments are designed to further develop judgment and understanding of professional and ethical responsibilities.
- Exercise judgment limited to developing details of work in making preliminary selections and adaptations of engineering alternatives
- Prepare engineering related calculations and develop drawings and visual aids
- Prepare design drawings, plans, sections, details, and profiles/sections within the Autodesk Civil 3D and AutoCAD MEP
- Work under supervision of a project manager or senior-level team member

## Minimum Requirements

- B.S. degree in Civil or Environmental Engineering
- 2+years of engineering and design experience

- Experience with stormwater, watershed, dams, or river related design projects
- Experience developing construction plans, specifications or cost estimates
- Strong communication skills
- Experienced using (one or more) of these computer programs: AutoCAD, Civil3D, MicroStation, EPA SWMM, HEC-RAS, HEC-HMS, ArcMap, MS Excel

### **Preferred Qualifications**

- Experience in HeavyBid (HCSS), RS MEANS or USACE MII cost estimating software
- Master Degree in relevant technical discipline
- FE/PE licensing
- Project Management experience
- Rosgen, Newberry or Stream Function Training

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**Job Category** Engineering - Water / Wastewater

**Business Line** Water

**Business Group** Design and Consulting Services Group (DCS)

**Country** United States of America

**Position Status** Full-Time

**Requisition/Vacancy No.** 193397BR

Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability or protected veteran status.