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## Bay Region

### **Construction - Bay City, Davison, Mt. Pleasant, and the Thumb Area (which includes cities such as Bad Axe, Port Huron, Sandusky)**

Interns will have opportunities at each of our Transportation Service Center (TSC) locations assisting with construction projects assigned to the TSC working alongside construction technicians and engineers to promote plan review, application of the specifications/plans/proposals/ manuals. This is primarily a field position.

### **Bridge - Saginaw**

Interns will gain experience with bridge inspections, bridge repairs, and the project development process. Interns will spend a considerable amount of time in the field.

### **Design - Saginaw**

Interns will assist in designing transportation plans by drafting, plan development, quantity calculations, and gathering miscellaneous field information. Work is primarily in the office with minimal work in the field.

### **Planning - Saginaw**

Interns will gather information for MDOT's five-year road and project plan along with attending meetings with local agencies, cities, counties, and legislators; assist with corridor, nonmotorized, feasibility, and environmental studies; and experience with GIS activities.

### **Scoping - Saginaw**

Interns will assist the Road Scoping & QA Engineer with preparing cost estimates and preparing scoping documents for future road projects to be included in the five year transportation program. Interns will also assist the Pavement Management Engineer with analyzing pavement histories and conditions to determine potential fixes. Work is primarily in the office with minimal work in the field.

### **Traffic and Safety – Saginaw**

Interns will primarily assist with inspection of the regionwide pavement markings contract but may also assist with various operational and traffic safety-related tasks. Other tasks may include speed studies, traffic counts, crash data analysis, etc. This is primarily a field position but will spend some time in the office as well

### **Surveying – Saginaw**

Interns will spend most of the time in the field gathering survey data. Interns will be exposed to surveys related to right-of-way (ROW) and alignment retracement, boundary surveys for ROW acquisition, hydraulic surveys, and topo/mapping surveys for proposed road and bridge design projects. Interns will gain experience in survey research at the Register of Deeds as well as using our robotic total stations, GNSS receivers, and CADD software to develop digital terrain models and survey deliverables to be used for the design of the project.

## **Southwest Region**

### **Construction - Coloma, Kalamazoo, Marshall**

Interns will have opportunities at each of our Transportation Service Center (TSC) locations assisting with construction projects assigned to the TSC working alongside construction technicians and engineers to promote plan review, application of the specifications/plans/proposals/ manuals. This is primarily a field position.

### **Bridge - Kalamazoo**

Interns will gain experience with bridge inspections, bridge repairs, and the project development process. Interns will spend a considerable amount of time in the field.

### **Design - Kalamazoo**

Interns will assist in designing road plans by drafting, plan development, quantity calculations, and gathering miscellaneous field information. On the job training will be provided. Work is primarily in the office with minimal work in the field.

### **Materials and Testing - Kalamazoo**

Interns will perform sampling, testing, and reporting of asphalt, concrete, aggregates, along with other various construction materials. Work is approximately 30% field work and 70% lab work. Field work will involve collecting samples from the project sites, quarries, and manufacturing locations. Lab work will consist of testing the asphalt, aggregates, and concrete. Interns will be required to attend certification courses at Ferris State University in Big Rapids, Michigan during the first few weeks of employment.

### **Planning and Environmental - Kalamazoo**

Interns will assist in project planning activities in Southwest Region. Interns will attend local/state/federal rural and urban planning technical group meetings. Work is primarily in the office with minimal work in the field. Through environmental, interns will gain experience in various topics such as soil erosion and sedimentation control, vegetation management, threatened and endangered species regulations, hazardous materials guidelines, permitting, wetland delineations, and much more. Work will be split between office and field duties.

### **Projects & Contracts – Kalamazoo**

Interns will gain experience in design with the Projects & Contracts unit working on developing capital program projects and preparing required information for the Call for Projects process. Interns will assist with field reviews, traffic counts, crash analysis', etc. Work

will be split between office and field duties.

## **Superior Region**

### **Construction - Crystal Falls, Escanaba, and Newberry**

Interns will have opportunities at each of our Transportation Service Center (TSC) locations assisting with construction projects assigned to the TSC working alongside construction technicians and engineers to promote plan review, application of the specifications, plans, proposals, and manuals. This is primarily a field position.

### **Operations - Newberry**

Interns will assist with drafting traffic maintenance plans, transportation projects in design, traffic counts, field reviews for upcoming design projects for the 5-year plan, utility coordination, and conflict resolution for projects currently being designed. This is primarily an office position but will spend some time in the field.

### **Bridge - Escanaba**

Interns will work independently to collect streambed cross sections throughout the Region and have several opportunities to work with the bridge unit to gain experience with bridge inspections, bridge repairs, and the project development process. This is primarily a field position with overnight travel required.

### **Surveying – Gladstone, Ishpeming, L’Anse and Newberry**

Interns will work with professional surveyor’s gathering data and performing field site surveys for design projects. This is primarily a field position with overnight travel required.

## **Mackinac Bridge Authority**

### **Mackinac Bridge Authority - St. Ignace**

Intern duties include field and office work at the Mackinac Bridge. Participate in operations, inspection, maintenance, and asset management tasks. Analyze traffic patterns using data to best chart anticipated peaks in traffic and provide recommended staffing needs.



