



# Tribal Technical Assistance Program

Traverse City, MI  
Instructor: James Bailey

Cost: **FREE**

## TTAP Maintenance & Operations Training - April 2-5, 2019

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### **APR 2 | 8:30 - 12:00 “BRIDGE INSPECTION”**

The major goals of this class are to teach the skills of practicing bridge inspectors in fundamental visual inspection techniques; review the background knowledge necessary to understand how bridges function; communicate issues of national significance relative to the nations' bridge infrastructures; re-establish proper condition and appraisal rating practices; and review the professional obligations of bridge inspectors. This 3.5-hour class includes lecture, group discussion and exercises.

### **APR 2 | 1:00 - 4:30 “BRIDGE MAINTENANCE”**

Fundamentals of Bridge Maintenance teaches the participant the fundamental aspects of an effective bridge maintenance program. This 3.5-hour class explains the importance of a balanced bridge maintenance program and the organizational structure of the bridge maintenance unit. This class will review bridge maintenance management that will provide basic information about bridge inspections and reviews the general concept of Maintenance Management Systems (MMS) and Bridge Management systems (BMS).

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### **APR 3 | 8:30 - 12:00 “MAINTENANCE ADMINISTRATION”**

This 3.5-hour class provides tribes an introduction to the techniques used in maintenance management systems that allow them to effectively maintain and operate a tribal roadway network. explains the importance of a balanced bridge maintenance program and the organizational structure of the bridge maintenance unit. The fundamental focus of an MMS is to manage routine maintenance and operations for transportation systems. The desired end state is a safe, efficient and convenient tribal roadway system over the life of assets.

### **APR 3 | 1:00 - 4:30 “DEVELOPING OPERATIONAL BUDGETS AND RESOURCE ALLOCATION”**

This 3.5-hour class provides tribes an introduction to developing operational budgets and identifying resources to support them. A tribal transportation department’s ability to prepare transportation budget requests, identify resource requirements while ensuring that planning and performance management remain within resource requirements is essential to maintaining a roadway network at a sustainable level of service. The desired end state of developing budgets and maintaining resources is a safe, efficient and convenient tribal roadway system for all users over the life of the transportation network.

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**APR 4 | 8:30 - 12:00 “SIGN MAINTENANCE AND MANAGEMENT”**

This 3.5-hour class is intended to help local agency maintenance workers ensure that their agency’s signs are maintained to meet the needs of the road user. The principles of this class will cover types of signs, materials, supports and installation. The instructor will teach how to develop a sign management system that will include maintenance, repair and replacement. The class combines lectures, group discussion and practical exercises to enhance the training.

**APR 4 | 1:00 - 4:30 “GUARDRAIL INSTALLATION, MAINTENANCE AND REPAIR”**

Guardrails are an important safety countermeasure, protecting motorists from serious injury if they leave the roadway. This 3.5-hour class will provide instruction on the principles and practices of guardrail installation maintenance and performance. Features necessary to provide the best likelihood for good performance for metal guardrail standard systems and their end treatments, as well as length of need (including a field expedient procedure) and guardrail transitions, will be discussed.

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**APR 5 | 8:30 - 12:00 “ELEVATION AND GRADE INSTRUMENT USE”**

This 3.5-hour class provides participants with the skills and knowledge necessary to operate basic surveying tools/instruments. Learn to record data for maintaining elevation, alignment control points and the importance of ensuring proper grades before starting your project. This class also includes practical exercises for calculating grades, solving math problems, determining contour lines, and interpreting construction plans to determine grade.

**APR 5 | 1:00 - 4:30 “WINTER WEATHER OPERATIONS”**

This 3.5-hour class provides an overview of key snow-fighter strategies to keep roads safe and passable during winter weather events, including weather forecasting resources and seasonal planning. Snow and ice-covered roads reduce vehicle maneuverability, increase travel times, obstruct visibility and impact roadway capacity. Often accounting for a significant portion of a community’s road budget, it is critical to remain up-to-date on equipment, new techniques and seasonal challenges.

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**To register:** Check beside the classes you would like to attend. Email this form to James Bailey at [james.ttap@virginia.edu](mailto:james.ttap@virginia.edu) or call 833-484-9944 or visit [ttap.enrollware.com](http://ttap.enrollware.com).

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Phone \_\_\_\_\_

Email \_\_\_\_\_

Tribe \_\_\_\_\_