



Tribal Technical Assistance Program

South Sioux City, NE
Instructor: James Bailey

Cost: **FREE**

TTAP Maintenance & Operations Training - July 23-26, 2019

JUL 23 | 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.

JUL 23 | 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).

JUL 24 | 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.

JUL 24 | 1:00 - 4:30 “GRAVEL ROAD MAINTENANCE AND DESIGN”

There are approximately over 1.6 million miles of unpaved roads in the United States. Cities, counties and tribal nations share a common goal and that is the desire to design safe, long-lasting roads. In this 3.5-hour Gravel Road Maintenance and Design class, supervisors and operators will gain a better understanding of the materials, techniques, and equipment needed for maintaining gravel roads. Participants will learn details about road design from construction to reshaping as well as recognizing the necessity of proper drainage. We will also describe many aspects of road maintenance from the grading process to material replacement. This highly interactive class combines lecture with group discussions, case studies, and group activities.

JUL 25 | 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.

JUL 25 | 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.

JUL 26 | 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.

JUL 26 | 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.

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

Name _____

Phone _____

Email _____

Tribe _____