Tribal Technical Assistance Program

TTAP Asset & Data Management Training - July 30 - August 2, 2019

☐ **JUL 30 | 8:30 - 12:00 "INTRODUCTION TO ASSET AND DATA MANAGEMENT"**

Asset and data management is the strategic and systematic process of operating, maintaining, and improving physical assets with a focus on engineering and economic analysis based upon quality information. Asset and data management helps to identify a structured sequence of maintenance, preservation, repair, rehabilitation, and replacement actions that will achieve and sustain a desired state of good repair over the lifecycle of assets at minimum cost. A properly developed Asset and Data Management Plan (ADMP) provides Tribal leaders with a tool for making infrastructure investments and sound resource utilization decisions. This 3.5-hour class introduces asset and data management guiding principles and key components for asset and data management.

☐ **JUL 30 | 1:00 - 4:30 "FOUNDATION FOR USING GIS"**

Foundation for Using Geographic Information Systems (GIS) is a half-day class designed to provide Tribal agencies with practical and effective ways to implement low cost GIS solutions into their day-to-day activities. You cannot manage what you cannot measure – how to develop a basic map of your road inventory. Topics discussed include: a brief history of the use and rapid development of GIS, the current availability of low cost, full featured GIS software platforms and the current availability of data and data types. Attendees will leave the workshop with the tools necessary to develop a basic map of their roadway assets.

☐ **JUL 31 | 8:30 - 12:00 "INTRODUCTION TO GPS"**

Introduction to Global Positioning Systems (GPS) is a half-day class designed to provide Tribal agencies with an understanding of how GPS has developed into the robust system that it is today. How we navigated before GPS, the current state of today's GPS and how agencies may utilize existing systems will be discussed. Whether they currently use GPS or not, attendees will leave the workshop with a deeper understanding Geographic Information Systems.

☐ **JUL 31 | 1:00 - 4:30 "GPS DATA COLLECTION AND ASSET MANAGEMENT"**

Global Positioning Systems (GPS) Data Collection and Asset Management is a half-day class designed to provide Tribal agencies with a discussion on how GPS may be used in the day to day management of a network. Review of a variety of available GPS units and their associated capabilities. This hands-on class is designed for both the novice attendee with no GPS experience as well as daily users of GPS. Attendees currently using GPS are encouraged to bring their device to the class.

www.ttap-center.org
mike.ttap@virginia.edu
479-422-7687

Turn for more classes
and registration
information

☐ AUG 1 | 8:30 - 12:00 "MAINTENANCE CONDITION ASSESSMENT"

Maintenance Condition Assessment is a half-day class designed to provide Tribal agencies with a discussion on how and why you perform a basic maintenance condition assessment. A quality management system depends upon good data, therefore the information collected must be consistent and dependable. Developing a method for collecting roadway maintenance information in order to assess the overall condition of roadway assets provides the data to create a maintenance condition assessment. A maintenance condition assessment allows public agencies to identify required funding levels, a strategy for prioritizing maintenance conditions and areas of excessively high or low maintenance.

☐ AUG 1 | 1:00 - 4:30 "DEVELOPING AN INVENTORY OF HIGHWAY FEATURES"

Developing inventories of highway features allows transportation departments to manage their assets needs, ultimately leading to improved compliance with local regulations. This 3.5-hour class introduces the reasons, benefits and techniques for developing an inventory of highway features. Combining lecture, class discussions and group exercise, the class addresses the benefits of maintaining an inventory of highway features, the proper techniques for conducting roadside inventory of highway features, common practices for utilizing asset management systems to develop an effective strategy for highway feature management.

☐ AUG 2 | 8:30 - 12:00 "OBJECTIVE PRIORITIZATION OF NEEDS"

Objective prioritization of needs is the process of managing the relative importance and urgency of different requirements to cope with the limited transportation resources. Adequate prioritization ensures the most critical requirements are addressed immediately in case time or budgets run out. This 3.5 hours class provides an understanding of the process for managing resources to their maximum extent. This interactive class combines classroom instruction with practical exercises and group discussion to maximize course retention.

☐ AUG 2 | 1:00 - 4:30 "UNDERSTANDING LIFE CYCLE COSTS & OPTIMUM TREATMENTS"

Life-Cycle Cost Analysis (LCCA) is an economic analysis tool that allows transportation officials to quantify the differential costs of alternative investment options for a given project. LCCA can be used to study either new construction projects or to examine preservation strategies for existing transportation assets. This 3.5-hour class introduces several transportation related products, treatment types and practices for life cycle cost consideration.

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

Name _____   **Phone** _____

Email _____   **Tribe** _____

www.ttap-center.org
mike.ttap@virginia.edu
479-422-7687