

WESTERN TRIBAL TECHNICAL ASSISTANCE PROGRAM



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The Western Tribal Technical Assistance Program (WTTAP) reserves the right to revise, amend, or change items set forth in the Course Catalog. Accordingly, readers of the Course Catalog should inquire as to whether any revisions, amendments, or changes have been made since the date of publication. The WTTAP reserves the right to alter or cancel course offerings.



► Welcome

The WTTAP Course Catalog was developed to showcase course offerings provided by or in partnership with WTTAP via funding from the U.S. Department of Transportation's Federal Highway Administration. The courses listed in this catalog are among our most requested and attended courses. Please note that if you have a need that is not addressed by one of the courses listed, please contact us and we will work with you to meet your training and technical assistance needs.

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Note: Trainings with an asterisk * are Road Scholar Requirements.

Note: Trainings with a double asterisk ** are Road Scholar Electives.



► Construction

Constructing a Quality Crack Treatment **

Duration: 2 hours

Pre-requisite: N/A

Course Type: Virtual

Cost: \$20 per person

Description:

This training is appropriate for anyone who constructs or inspects crack treatments, including crack filling and sealing. There is a mandatory 10-minute online training participants complete prior to attending the web conference. This makes the class accessible for all experience levels. Constructing quality crack treatments is essential if you are to use your agency's resources effectively and efficiently. This free 2-hour web conference training teaches you all the steps to complete to obtain a quality crack treatment.

Outcomes:

- Select the right projects and materials.
- Conduct adequate crack preparation.
- Apply a treatment following best practices.
- Inspecting the work.
- Identify and troubleshoot issues that arise during the project.

Constructing Thin Surface Treatments for Asphalt Pavements **

Duration: 2 hours

Pre-requisite: N/A

Course Type: Virtual

Cost: \$20 per person

Description:

This training is intended for personnel who select pavement preservation treatment strategies to be used on road networks, personnel who may specify or inspect the work, managers who justify the use of treatments to stakeholders. Choosing the proper surface treatment can add life to your pavements and make the best use of your agency's pavement preservation budget. This free 2-hour web conference introduces thin surface treatments, including slurry seals, microsurfacing, and chip seals.

Outcomes:



- ▶ Describe the types of distresses best addressed by each treatment.
- ▶ Describe recommended materials and mixtures for each treatment.
- ▶ Describe recommended construction procedures for each treatment.
- ▶ State typical performance concerns for each treatment.

Constructing and Inspecting Asphalt Paving Projects

Duration: 6 hours

Pre-requisite: N/A

Course Type: In-person

Cost: \$20 per person

Description:

This 2-day instructor lead training (ILT) introduces asphalt pavement construction best practices, from the importance of understanding project administration roles and responsibilities to the most vital elements of laydown operations and compaction. Participants learn contract administration techniques, recognize proper construction practices, identify construction issues and their source, determine the impact of construction issues on performance, and select communication strategies for contractors, consultants, and superiors. You can then apply the knowledge and skills to maximize quality on construction projects.

The importance of a proactive approach to managing and inspecting construction projects is emphasized at every stage. This includes quickly addressing problems, implementing corrective actions, and documenting communications between the agency and contractor.

Outcomes:

- ▶ Identify contract administration techniques.
- ▶ Recognize proper construction practices.
- ▶ Identify construction issues and their sources.
- ▶ Apply appropriate communication strategies for contractors, consultants, and superiors.



► Infrastructure Management

Barrier Basics *

Duration: 2.5 hours

Pre-requisite: N/A

Course Type: Virtual

Cost: \$20 per person

Description:

This virtual training explores the basics of longitudinal roadside barriers. Together we will discuss why and when barriers are needed on the roadway, review the types and characteristics of barriers, and find out where to locate guidance for placing and installing barriers. Finally, we will review maintenance requirements for roadside barriers and discover the important role maintenance plays in keeping the barriers performing as they should.

You'll have a chance to use resources, such as the AASHTO Roadside Design Guide as well as Nevada-specific design guides and specifications, to answer questions and make decisions about real-world scenarios you might encounter when placing barriers.

Outcomes:

- Identify several standards for barrier selection and placement.
- Identify warrants for the use of barriers.
- Compare the benefits and challenges of different types of barriers and end treatments.
- Explain three criteria for barrier placement.
- List basic elements of barrier inspection.
- Given scenarios and the NCHRP 656 criteria, rank the priority for repairing damaged barriers.

Introduction to Pavement Management Systems

Duration: 5 hours

Pre-requisite: N/A

Course Type: In-person/Virtual

Cost: In-person: \$20 per person

Description:



A successful pavement management process is a dynamic and continuous cycle. A pavement management system helps agencies manage pavement data and use data to evaluate the roadway network's health, predict conditions, and evaluate treatment options.

Outcomes:

- ▶ Describe the function and benefits of a robust pavement management system.
- ▶ Explain pavement management data requirements.
- ▶ Describe the pros and cons of pavement condition data collection techniques.
- ▶ Identify opportunities to improve stakeholder communications using pavement management information.
- ▶ Identify pavement management tools to support your agency's pavement management system based on its level of sophistication and budget.

Pavement Marking Installation and Maintenance *

Duration: 6 hours

Pre-requisite: N/A

Course Type: Virtual

Cost: \$20 per person

Description:

This interactive 6-hour training explores the standard types and uses of pavement markings. It teaches how to prepare to install markings, and then apply and inspect the work. The training also explores the value of a pavement marking management system, and new and upcoming advancements in materials and equipment.

You will have opportunities to explore pavement marking resources—such as the MUTCD and a variety of local, state, and FHWA documents—and to use those resources to answer questions and make decisions that mirror on-the-job tasks. Be prepared to uncover valuable tips from across the country that your agency might use for installing and inspecting pavement markings, and dig into the Nevada specifications, plans, and field inspection guides.

Outcomes:

- ▶ Explain the purpose of different types of pavement markings.
- ▶ Select the right pavement marking materials.
- ▶ Describe appropriate pavement marking preparation, application, and inspection procedures.



Pothole Patching and Repair *

Duration: 2 hours

Pre-requisite: Please complete the Asphalt Partial-Depth and Full-Depth Patching self-paced course prior to the training.

Course Type: Virtual

Cost: \$20 per person

Description:

This training is intended for personnel who select or apply patching materials in potholes or localized structural failures, as well as personnel who may specify or inspect the work. Using proper patching and repair techniques can improve structural integrity and restore rideability for pavements experiencing local failures. This 2-hour web conference compares partial- and full-depth repair techniques and the materials used to implement them.

Outcomes:

- ▶ Describe the types of distresses best addressed by each treatment.
- ▶ Describe recommended materials and mixtures for each treatment.
- ▶ Describe recommended construction procedures and key quality control activities for each treatment.

Sign Maintenance Management *

Duration: 2.5 hours

Pre-requisite: N/A

Course Type: Virtual

Cost: \$20 per person

Description:

This 2.5-hour virtual training teaches you how to implement a successful sign program at the local level. The training uses practical exercises and resources, such as the Manual on Uniform Traffic Control Devices (MUTCD) and state guidelines, to provide a firm foundation in the purpose and requirements for sign usage, installation, and maintenance.

Outcomes:

- ▶ Describe the role, features, and urgency of repair for four sign types.



- ▶ Explain state and local requirements for choosing sign materials including face sheeting, backing, and supports.
- ▶ Apply MUTCD guidance as well as Nevada Standard Plans and Specifications to selected scenarios.
- ▶ Describe the six elements of a sign management system.

▶ Safety

ATSSA Flagger Training **

Duration: 5.5 hours

Pre-requisite: N/A

Course Type: In-person

Cost: \$20 per person

Description:

Learn how to be a safe and effective flagger with our ATSSA Flagger Certification course. This workshop will cover why proper flagger operations are important, the skillset of a good flagger, standard flagger control references, and best practices for various situations.

This interactive workshop is taught through a combination of lecture, video, and group activities.

Outcomes:

- ▶ Describe why practicing safe, standards-based flagging operations is important.
- ▶ List the component parts and associate elements of standard flagging setups.
- ▶ Recognize key elements of proper flagging signals and procedures.
- ▶ Recall factors used for determining proper flagger station positioning.
- ▶ Describe basic flagging techniques using one or more flaggers under various scenarios.
- ▶ List effective flagger communication techniques for use between flaggers, with motorists, and other project workers.
- ▶ Identify nighttime considerations, setup and removal, and use of flagging technology.

****This course can also be delivered in Spanish.***



Basic Work Zone Traffic Control *

Duration: 6 hours

Pre-requisite: N/A

Course Type: In-person

Cost: \$20 per person

Description:

Anyone involved with work zone traffic control can attend this in-person class, including, but not limited to maintenance supervisors, engineers, maintenance and construction crews, and utility employees.

In 2019, there were 842 fatalities in work zones across the United States. 135 of these were workers. This workshop aims to improve worker and motorist safety. Participants will learn the proper use of traffic control devices during road maintenance and construction operations; how to use specific types of traffic control devices; and how to plan, set up, and maintain a work zone.

Outcomes

- ▶ Identify why temporary traffic Control (TTC) is needed.
- ▶ Determine when TTC is needed and how much.
- ▶ Learn how to set up traffic control zones.
- ▶ Determine when and what kind of traffic control devices to use.
- ▶ Learn how and when to apply flagging.

Confined Spaces

Duration: 4 hours

Pre-requisite: N/A

Course Type: In-person

Cost: \$50 per person

Description:



This classroom course is designed to teach participants what a confined space is, how it differs in construction from other industries, potential hazards and how to eliminate them, ventilation and rescue practices and procedures, and employer/employee rights and responsibilities.

For anyone working with road construction in areas where confined spaces are possible, this class is a must. Participants learn how to:

- ▶ Identify hazards
- ▶ Obtain & properly use permits
- ▶ Protect and rescue
- ▶ Know & support employer/employee rights & responsibilities

Equipment Safety and Maintenance

Duration: 6 hours

Pre-requisite: N/A

Course Type: In-person

Cost: \$20 per person

Description:

Routine maintenance and safety play an important role in both equipment performance and roadway safety. Maintaining equipment in a proper and timely manner is a foundational cornerstone of transportation, construction, and public works agencies.

This in-person training provides introductory maintenance practices, safety checklists, and daily safety procedures and methods to assist operators and supervisors in meeting their agencies' safety and performance goals.

Outcomes:

- ▶ Define Safety Culture and its components.
- ▶ Identify operator responsibilities, appropriate job equipment, potential hazards, and appropriate mitigation to safety risks.
- ▶ Describe the importance of equipment maintenance and its role in safety.
- ▶ Determine manufacture recommendations and organizational guidelines.
- ▶ Demonstrate checklist use and conduct equipment inspections.

Excavation and Trench Safety

Duration: 4 hours

Pre-requisite: N/A

Course Type: In-person

Cost: \$20 per person



Description:

Subterranean work holds a unique set of dangers. To address these, our course, “Excavation And Trenching Safety,” provides a comprehensive, four-hour exploration into the key risks that trenches and excavations pose, such as cave-ins, falls, roll-overs, the presence of hazardous atmospheres, traffic disturbances, electrocutions, water-induced complications, and the unexpected encounter with underground utilities among other hazards. Know & support employer/employee rights & responsibilities.

Outcomes:

- ▶ Identify basic hazards associated with trenching and excavation
- ▶ Explain how protective systems work and how they protect workers
- ▶ Describe inspection requirements, duties of the competent person, and other safety considerations in trenching and excavation work

IHS IVP Prevention

Duration: 3-day

Pre-requisite: N/A

Course Type: In-person

Cost: \$20 per person

Description:

This 3-day course explores 10 different sessions and will provide participants with the knowledge and skills necessary for effective injury and violence prevention. Key topics covered include:

- ▶ Injury as a Public Health Problem
- ▶ Preventing Injury Using the PH Approach
- ▶ Defining the Injury Problem
- ▶ Identifying Risk and Protective Factors
- ▶ Communicating the Injury Problem
- ▶ Coalitions for Addressing Injury
- ▶ Funding and Proposal Planning for IVP
- ▶ Applying the Public Health Approach
- ▶ Applied and Continuous Learning



Register now to increase your understanding of the injury problem and to share effective solutions through assisting communities in implementing prevention programs.

Low-Cost Roadway Safety Improvements **

Duration: 5 hours

Pre-requisite: N/A

Course Type: Virtual

Cost: \$20 per person

Description:

The purpose of this 2-day, virtual workshop is to show participants ways to reduce fatalities and injuries caused by road departures and collisions with fixed objects, as well as collisions at rural intersections. This training covers low-cost solutions for keeping the driver on the road.

Outcomes:

- ▶ Explain the importance of reducing collisions and the challenges to fully implementing collision reduction techniques.
- ▶ Describe the forgiving concept (when a vehicle departs the roadway).
- ▶ Identify roadway safety issues.
- ▶ List ways to keep the driver on the road with low-cost solutions.
- ▶ Define a clear zone and describe what to do with hazards in it.

OSHA 10 for Construction

Duration: 5.5 hours

Pre-requisite: N/A

Course Type: In-person

Cost: \$20 per person

Description:

OSHA 10 Training for Construction ensures you understand how to navigate common job-site hazards so that you feel safe at work. Primarily, this involves spotting, avoiding, and reporting safety and health risks encountered on a daily basis.

The training includes best practices on how to prevent slipping, tripping, getting struck by an object, electrocution, and getting caught in between objects or machinery. Additionally, the training helps increase your knowledge about construction-specific safety measures under OSHA 29 CFR 1926.



You will also understand your employer's responsibility for workplace safety, as well as the rights OSHA gives you as a worker and how to file a complaint if the workplace isn't living up to its safety obligations.

Outcomes:

- ▶ Understand importance of OSHA in regulating employee safety in the workplace.
- ▶ Knowledge of employees' rights and employer responsibilities.
- ▶ Recognize various manufacturing processes, tasks, and equipment.
- ▶ Identify common hazards found in the workplace.

OSHA 30 for Construction

Duration: 30 hours

Pre-requisite: N/A

Course Type: In-person

Cost: \$20 per person

Description:

This course is for Site supervisors and foremen, Safety coordinators. Project managers, Safety officers, and Construction workers with safety responsibilities.

OSHA 30-Hour Training for Construction is a comprehensive safety program designed for workers and supervisors in the construction industry. The course is part of OSHA's Outreach Training Program and provides an in-depth understanding of the Occupational Safety and Health Administration (OSHA) standards and regulations.

The following topics are covered:

- ▶ Introduction to OSHA
- ▶ OSHA Focus Four Hazards
- ▶ Personal Protective and Lifesaving Equipment
- ▶ Health Hazards in Construction
- ▶ Stairways and Ladders
- ▶ Confined Space Entry
- ▶ Ergonomics
- ▶ Excavations
- ▶ Materials Handling, Storage, Use and Disposal
- ▶ Safety and Health Programs
- ▶ Tools – Hand and Power
- ▶ Welding and Cutting



Public Health and Transportation

Duration: 2 hours

Pre-requisite: N/A

Course Type: Virtual

Cost: \$20 per person

Description:

Embark on an eye-opening journey into the critical intersection of public health and transportation at our upcoming event. Through engaging presentations and interactive discussions, you'll gain a comprehensive understanding of how these two vital fields are linked. Discover the latest strategies and best practices in injury prevention and learn how to effectively apply the proven public health approach when launching new transportation initiatives that prioritize community wellbeing. Don't miss this unique opportunity to explore the future of safe, healthy mobility—register now and position yourself at the forefront of driving positive change!

Road Safety Champion Program – Module 1: Introduction to Road Safety **

Duration: 2 hours

Pre-requisite: N/A

Course Type: Virtual

Cost: \$20 per person

Description:

This two-hour virtual training provides an overview of safety trends, an understanding of the national safety vision, and discusses techniques for safety collaboration. It will also discuss the importance of prioritizing safety and how an individual can become a Road Safety Champion.

Outcomes:

- ▶ Define the impact of road safety
- ▶ Identify the factors in road safety
- ▶ Identify jurisdictional and geographical differences in road safety
- ▶ Describe national safety efforts
- ▶ Describe collaborative techniques for improving safety

Road Safety Champion Program – Module 2: Anatomy of a Crash –Understanding Human Factors **

Duration: 2 hours

Pre-requisite: N/A



Course Type: Virtual

Cost: \$20 per person

Description:

The overall Road Safety Champion Program provides a high-level overview of road safety in the United States through seven modules. Core Module 2 is a virtual course that allows the non-expert in human factors to more effectively bring considerations of the road user's capabilities and limitations into policies and practices.

Outcomes

- ▶ Explain road user role as element of a system
- ▶ Identify road user capabilities and limitations
- ▶ Describe how current geometric design and traffic operations practices address human factors

Road Safety Champion Program – Module 3: Introduction to Traffic Safety Culture **

Duration: 2 Hours

Pre-requisite: N/A

Course Type: Virtual

Cost: \$20 per person

Description:

This two-hour virtual training introduces growing positive traffic safety culture to significantly improve road safety in America. Participants will leave the training with a better understanding of the elements that shape traffic safety culture, how those factors interact to affect behaviors related to traffic safety, strategies that can be implemented to improve traffic safety culture among various groups, and ideas about how they can leverage their role (and the role of others) in growing a positive traffic safety culture. The goal for this course is to provide a high-level overview of traffic safety culture and strategies to foster improved traffic safety culture.

Outcomes:

- ▶ Describe traffic safety as a public health concern
- ▶ Recognize that behavior is influenced by beliefs
- ▶ Define how we develop beliefs
- ▶ Define traffic safety culture
- ▶ Identify strategies that grow traffic safety culture



Road Safety Champion Program – Module 4: Overview of the MUTCD **

Duration: 2 Hours

Pre-requisite: N/A

Course Type: Virtual

Cost: \$20 per person

Description:

This two-hour virtual training provides an introduction and overview of the Manual on Uniform Traffic Control Devices (MUTCD). The MUTCD defines the standards by which traffic signs, road surface markings, and signals are designed, installed, and used on all public streets, highways, bikeways, and private roads open to public traffic. This module will help participants become aware of the need for uniformity of traffic control devices, its legal requirements, and related liability. Emphasis will be given to an understanding of the MUTCD, Traffic Control Devices, and Temporary Traffic Control. The overall goal of this training is to provide participants with an overview of the manual and how to use it.

Outcomes:

- ▶ Understand the purpose and the organization of the MUTCD
- ▶ Understand the purpose of Traffic Control Devices (TCDs) and identify their five principles
- ▶ Describe the fundamental principles of Temporary Traffic Control (TTC) and list the four components of the TTC zones

Road Safety Champion Program – Module 5: Intersection of Transportation with Public Health and Law Enforcement **

Duration: 2 Hours

Pre-requisite: N/A

Course Type: Virtual

Cost: \$20 per person

Description:

This two-hour virtual training illustrates the role public health and law enforcement sectors have in breaking down transportation safety silos which leads to reducing fatalities and serious injuries.

Outcomes:

- ▶ Reiterate the importance of transportation safety from multiple perspectives;
- ▶ Identify how law enforcement and public health are intertwined in transportation safety;
- ▶ Describe collaborative approach strategies to break down silos.



Road Safety Champion Program – Module 6: Reading the Road **

Duration: 2 Hours

Pre-requisite: N/A

Course Type: Virtual

Cost: \$20 per person

Description:

This two-hour virtual training teaches participants how to “read the road” as well as the importance of doing so in daily activities. It will use real world examples on different roadway components to demonstrate how participants may be able to uncover potential safety issues during their routine activities. It will also discuss how the road safety audit process can be used to “read the road” in a more formal approach. The training will also discuss the consequences daily activities of workers may have on safety.

Outcomes:

- ▶ Define what is meant by “reading the road.”
- ▶ Identify potential safety issues or identify any indications which suggest road users may have challenges traveling or navigating a roadway.
- ▶ Identify “reading the road” steps in the Road Safety Audit (RSA) process.
- ▶ Demonstrate the steps of an RSA.

Road Safety Champion Program – Module 7: Safety Analysis Process **

Duration: 2 Hours

Pre-requisite: N/A

Course Type: Virtual

Cost: \$20 per person

Description:

This two-hour virtual training equips participants with the skills to navigate the safety analysis process. Attendees will learn to apply this process to both traditional site reviews and systemic network screenings.

Outcomes:

- ▶ Explain the steps in the safety analysis process
- ▶ Identify the data/information needed to assess the safety of roadway locations
- ▶ Describe practical and low-cost countermeasures and their potential impacts
- ▶ Apply the safety analysis process in various scenarios



Roadside Hazards and Airbourne Pathogens

Duration: 6.5 Hours

Pre-requisite: N/A

Course Type: In-person

Cost: \$50 per person

Description:

This 6.5 hour training teaches participants how to recognize immediate hazards in the field related to air and blood borne pathogens. Participants will learn how to respond appropriately to a variety of situations including, but not limited to: Hantavirus, animal droppings, litter clean up, wildlife encounters, meth lab dumps, and discovery of animal and human remains.

This training is intended for highway construction workers, maintenance workers, field engineers, site monitors, heavy equipment operators, emergency medical personnel, or anyone who does field work.

Outcomes:

- ▶ Determine traffic hazards and mitigation techniques while on the job.
- ▶ Define pathogens and how to recognize and mitigate exposures.
- ▶ Identify hazards during litter clean up and potential exposures at homeless camps.
- ▶ Recognize Clandestine Meth Laboratory Dumps and practice appropriate safety precautions.
- ▶ List steps to take when discover human or animal remains on the job.

Workplace Safety

Duration: 6 hours

Pre-requisite: N/A

Course Type: In-person

Cost: \$20 per person

Description:

This in-person workshop identifies safety concerns as they pertain to both construction and maintenance shop activities. People working in and along the roadway or in a transportation facility are encouraged to attend. This may include road, highway, and public works supervisors, shop personnel and foremen, and managers supervising these personnel.

The following topics are covered during the workshop:

- ▶ Introduction of OSHA
- ▶ Hazard Awareness & Identification
- ▶ Personal Protective Equipment



- ▶ Global Harmonization System
- ▶ Tool Safety Awareness
- ▶ Walking & Working Surfaces/Scaffolding
- ▶ Fall Protection
- ▶ Heavy Equipment Operation
- ▶ Tire Safety
- ▶ Confined Space
- ▶ Excavation

▶ Asset Management

Tribal Grant Writing Workshop

Duration: 16 hours

Pre-requisite: N/A

Course Type: In-person

Cost: \$20 per person

Description:

Are you struggling with how to seek and secure the funding needed to bring your Tribal transportation and infrastructure projects to life? If so, you won't want to miss the upcoming National Tribal Grant Writing Workshop. This comprehensive 3-day event is designed to equip transportation professionals, Tribal planners, transit managers, public works managers, grant writers, and funding coordinators with the skills and knowledge necessary to craft competitive, compelling and successful grant proposals.

This workshop will feature three tracks – beginner, intermediate, and advanced. Pick sessions that speak to you and your agency needs.

Over the course of the workshop, you will learn how to:

- ▶ Effectively search for and identify the right grant funding opportunities
- ▶ Craft grant narratives that showcase the need, impact, and viability of their projects
- ▶ Manage grant awards and fulfill reporting requirements to maintain funding
- ▶ Network with experts from Southern TTAP, Western TTAP, FHWA, and leaders in the industry for one-on-one guidance.

Whether you are new to grant writing or a seasoned professional, the National Tribal Grant Writing Workshop offers tailored tracks to meet the needs of all skill levels. You will walk away with the tools and confidence to unlock the funding Tribal communities need.



► Project Management

Introduction to Construction Management **

Duration: 8 hours

Pre-requisite: N/A

Course Type: In-person

Cost: \$20 per person

Description:

This in-person or online workshop introduces essential components of the construction management process. By applying the information learned in the workshop, you can improve how you manage project risks, communications, delivery, and scheduling. Anyone managing public works construction projects who needs to develop construction management skills or wants to improve specific aspects of their project management approach. This may include:

- Engineers.
- Designers.
- Construction Inspectors.
- Engineering Consultants.
- American Public Works Association Members.

Outcomes:

- Compare common project delivery methods.
- Describe the relationships among owner, contractor, and engineer on public works construction projects.
- Describe common types of contract-required documentation.
- Explain the importance of communication with a contractor and stakeholders.
- Identify methods for selecting a construction contractor.
- Describe the function of a quality assurance program.



► Partnership Building

Cultural Competency and Historical Trauma

Duration: 2 hours

Pre-requisite: N/A

Couse Type: Virtual

Cost: \$20 per person

Description:

This 2-part program is designed for instructors, supervisors, leadership, program coordinators/ specialists in a variety of fields who want to make their programs culturally sensitive to reach a targeted audience.

In Part 1, learn the basics of culture and how to leverage it to make your program(s) culturally sensitive through culturally responsive teaching and understanding the impact of historical trauma.

Part 2 covers an introduction to Cultural Competency and Tribal Government. Explore tribal logistics and operations; cultural taboos including assumptions vs. reality, behaviors, and misconceptions; tribal leadership; and general tips when working with tribal agencies.

Outcomes:

- Define Historical Trauma.
- List dimensions of culture.
- List 3 Tips to make education and programs culturally relevant.
- Identify the most vital component when understanding your audience.
- Define Cultural Competency.
- Describe Tribal Cultural Competency need(s).
- Identify who is responsible and their role.



Plan Reading

Duration: 8 hours

Pre-requisite: N/A

Course Type: In-person

Cost: In-person: \$20 per person

Description:

This training is designed for those who want to learn how to read a set of plans and for personnel who are required to read and understand roadway plans, and to answer questions about specific items on a set of roadway plans whether involved in the construction and maintenance of roadways. It is for construction workers, inspectors, design engineers or department liaisons, and for those who just wish to know how to read plans. Previous experience with roadway plan development is not required.

Roadway plans are developed to provide a pictorial view of the existing facilities and proposed improvements on a particular section of undeveloped land or existing roadway. They convey information relevant to the construction of the roadway, ranging from the quantities of construction materials required to the horizontal layout of the roadway. Reading a set of plans can seem overwhelming but at the conclusion of this class every student will possess the knowledge to read a set of plans, calculate quantities, measure distances as well as many other issues related to roadway plan interpretation.

This lively class will change the way one thinks about reading and understanding roadway construction plans. Participants will learn the primary elements of a set of roadway plans and what each element contains. The course will touch on the title sheet, schematic plan, utility plan, typical sections, general notes, maintenance of traffic plans, plan/profile sheets, cross sections, and miscellaneous details. Several practical exercises provide students an opportunity to demonstrate their understanding of course content. By the end of the training, participants will possess the knowledge to communicate key details about any set of roadway plans to those interested.

Outcomes:

- ▶ Describe Key Components of a Set of Roadway Plans
- ▶ Identify Key Elements Found on the Title Sheet
- ▶ Describe the Elements of a Typical Section
- ▶ Demonstrate Proper Technique for Locating/Calculating Quantities
- ▶ Identify the Primary Elements of Plan and Profile (P&P) Sheets
- ▶ Identify the Different Drainage Elements on a Set of Plans
- ▶ Describe the Purpose and Elements of a Standard Specification Manual/Where to Locate
- ▶ Explain the Purpose of Standard Drawings/Where to Locate



- ▶ Demonstrate Grasp of Relationship between Plan & Profile (P&P) Sheets and Cross Section Sheets

▶ Environment

Pesticide Applicator Training **

Duration: 12 hours

Pre-requisite: N/A

Course Type: In-person

Cost: \$20 per person

Description:

A state-issued license to control pests and apply pesticides is required under Nevada state law. Licenses are issued by the Nevada Department of Agriculture. You must complete a general competency exam and a category exam prior to obtain the license.

This 2-day, in-person, training prepares you to become a professional pest control applicator and pass the license examination. The class explains pest control and pesticide safety concepts. Topics include safe pesticide handling practices, herbicide classification, environmental protection, and noxious weed control. It also prepares you for the G-4 (Terrestrial Weed) category examination.

The training program is approved for Nevada Continuing Education Units (CEU's). For license renewal, twelve credit hours are required in a 4-year period.

Outcomes:

- ▶ Select appropriate pesticides, per the site requirements and state and local regulations.
- ▶ Apply pesticides safely and in accordance with state and local regulations and the manufacturer's guidelines.
- ▶ Store pesticides safely, per state and local regulations and the manufacturer's guidelines.
- ▶ Identify and correct pesticide violations, per state and local regulations and your agency's guidelines.

▶ Weather

Summer Survival

Duration: 4 hours

Pre-requisite: N/A



Course Type: In-person

Cost: \$20 per person

Description:

This in-person workshop describes how to prepare mentally and physically to work in extreme heat conditions. This course incorporates new regulations. Recommended attendees include managers, supervisors, safety professionals, and crew leads who need to meet regulatory requirements for training and create work/rest schedules for high heat days in specific states and under OSHA's General Duty Clause.

You'll learn what attitude and equipment is needed to survive the heat. You will also identify the symptoms of dehydration and heat-related injuries; describe first-aid treatments for heat exposure; explain the importance of water, clothing, and shade; describe the contents of a summer survival kit; and acquire survival tips and tricks.

Outcomes:

- ▶ Discuss data on heat related death and illnesses.
- ▶ Define the 3 Magic Words.
- ▶ Identify and analyze heat sources.
- ▶ List OSHA Written Program Requirements.
- ▶ Create an employer daily checklist.

Winter Survival

Duration: 4 hours

Pre-requisite: N/A

Course Type: In-person

Cost: \$20 per person

Description:

This 4-hour training shows you how to prepare mentally and physically if you become stranded in a life-threatening winter storm. You will learn what attitude and equipment are needed to



survive the cold. You will also find out how to recognize the symptoms of hypothermia and how to treat them.

Outcomes:

- ▶ Describe the history of winter survival events.
- ▶ How to prepare yourself mentally and physically.
- ▶ Recognize the signs and symptoms of hypothermia.
- ▶ Apply first aid.
- ▶ Identify proper attire and PPE for the season.
- ▶ Assemble a survival kit.



► Pavements (Self-paced training)

*Please note that all asynchronous training courses take approximately 3 hours to complete and do not require any pre-requisites.

The following are free, self-paced training courses available on the WTTAP site:

[Introduction to Construction Management](#)

[When to Install a Traffic Signal](#)

[Pavement Preservation Overview](#)

[Pavement Preservation: An Overview](#)

[Pavement Preservation: Project Selection](#)

[Pavement Preservation: Treatment Selection](#)

[Pavement Preservation: Additional Decision-Making Considerations](#)

[What to Look for in a Quality Pavement Preservation Project:
Preconstruction, Postconstruction, and Beyond](#)

[Preservation of Asphalt-Surfaced Pavements](#)

[Asphalt-Surfaced Pavement Distress Identification](#)

[Asphalt Pavement Patching Overview](#)

[Asphalt Partial-Depth and Full-Depth Patching](#)

[Chip Seal Overview](#)

[Chip Seal Preconstruction Inspection](#)

[Chip Seal Construction Inspection](#)

[Introduction to Crack Filling and Sealing](#)

[Planning for Micro Surfacing](#)



Scrub Seals

Slurry Seals and Micro Surfacing

Thin Asphalt Overlays and Ultra-Thin Bonded Wearing Courses

Preservation of Concrete-Surfaced Pavements

Concrete Pavement Preservation: An Overview

Concrete-Surfaced Pavement Distress Identification

Partial-Depth and Full-Depth Repair of Concrete

