



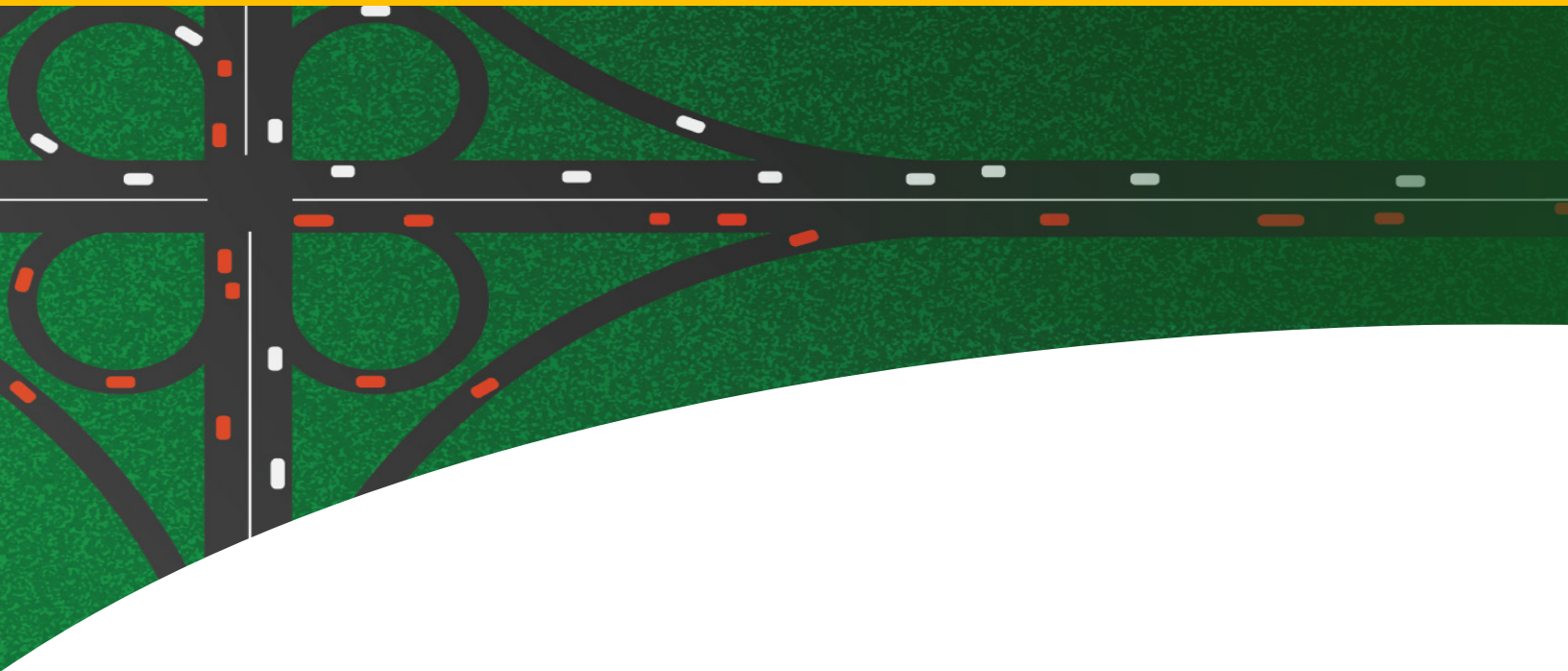
U.S. Department of Transportation
Federal Highway Administration



CENTER FOR
**LOCAL AID
SUPPORT**



FEDERAL HIGHWAY ADMINISTRATION CENTER FOR LOCAL AID SUPPORT ONLINE TRAINING CATALOG



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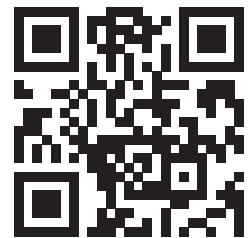
The Federal Highway Administration's (FHWA) Center for Local Aid Support (CLAS) has developed a series of online training modules for transportation professionals. The online training courses support professional development and provide solutions for transportation-related issues. Professional certificates are provided at the completion of each course. The online training is available to local government and federally recognized tribes at no cost. In addition to the online training, the FHWA encourages agencies to reach out to their state's Local Technical Assistance Program (LTAP) center or regional Tribal Technical Assistance Program (TTAP) center for other training opportunities. To find an LTAP or TTAP center, visit <https://www.fhwa.dot.gov/clas/>.

Explore the comprehensive list of online training courses—plus, stay tuned as more exciting topics are coming soon! Keep checking our webpage for the latest updates and new offerings.

https://www.fhwa.dot.gov/clas/online_training.aspx

We also invite you to subscribe for announcements on new online training and funding opportunities through the U.S. Department of Transportation Federal Highway Administration.

<https://b.link/sqw06ouq>



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Introduction to the Bipartisan Infrastructure Law (BIL) and Federal Requirements

This 2-hour, self-paced course is designed to help local and tribal agencies understand the historic transportation funding available through the BIL. With approximately \$567 billion allocated for transportation over 5 years, including \$351 billion for highways, the course offers an overview of new funding opportunities and program requirements. Based on a September 2023 FHWA webinar, this course covers essential topics such as Federal project delivery requirements, pre-award steps, and available resources. Tribal agencies are encouraged to participate, with a version of this course specialized for tribal audiences coming soon.

<https://b.link/tbdsn705>



AGGREGATES

Aggregates for Asphalt Mixtures

This 1-hour, self-paced course explores the critical role of aggregates in transportation systems, focusing on how they affect asphalt concrete performance. It covers how the physical properties of aggregates influence the strength, deformation, and skid resistance of asphalt mixtures. Participants will learn about the properties of key coarse and fine aggregates, the relevant tests for assessing these properties, and their importance in both construction and maintenance of highways and structures. Designed for individuals in local agencies and tribal governments involved in highway and structure projects, this course provides essential knowledge for improving asphalt concrete quality.

<https://b.link/u02x82py>



Aggregates for Portland Cement Concrete (PCC)

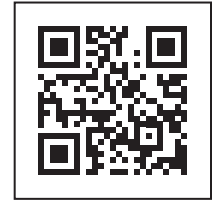
This 1-hour, self-paced course examines the critical role of aggregates in PCC mixes. It highlights how aggregate properties affect PCC performance, including strength, durability, dimensional stability, and cost-efficiency. The course covers essential properties of coarse and fine aggregates, relevant testing methods, and how aggregates affect skid resistance in PCC pavements. Designed for professionals in local agencies and tribal governments involved in highway and structure construction, maintenance, and testing, this course provides valuable insights for optimizing PCC mix quality.

<https://b.link/6mmawfv7>



Asphalt Materials and Paving Mixtures*

This 4.5-hour, self-paced course provides a comprehensive overview of asphalt concrete, widely used for surfacing roads, parking lots, and embankment dams. Divided into six approximately 45-minute modules, the course delves into asphalt mixture design, including aggregate gradation, binder selection, and overall mix design concepts. It examines how these factors affect pavement performance, durability, and resistance to various stresses. Additionally, the course covers the impact of construction operations on asphalt pavements and includes sections on asphalt binders, production, delivery, placement, and quality assurance. This training is tailored for materials engineers and professionals involved in asphalt pavement mix design, placement, or rehabilitation within local agencies and tribal governments.

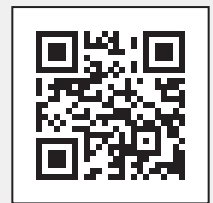


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Bicycle Infrastructure Essentials

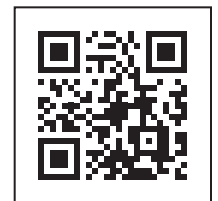
This 4.5-hour, self-paced course focuses on integrating bicyclists into roadway design, construction, and maintenance, covering topics such as accommodating bicyclists on roads, dedicated lanes, shared-use paths, and at intersections. Participants will explore the impact of construction and maintenance on bicyclists and strategies for addressing their needs. The course is designed for local and tribal government personnel involved in roadway planning and infrastructure and targets various roles, including transportation safety specialists, designers, engineers, planners, and project managers, with training modules on topics like bicyclist considerations and infrastructure maintenance.



<https://b.link/p3t32erk>

Construction Inspection of Rockeries

This 3.5-hour self-paced course focuses on modern rockeries—dry stacked rock systems that provide cost-effective, sustainable, and low-maintenance retaining and protective structures. Based on the FHWA's Rockery Design and Construction Guidelines, it discusses the essentials of rockery construction, including materials, design, and inspection processes. Training modules include an introduction to rockeries, materials and equipment, design principles, and detailed inspection phases from pre-construction through final construction. This course is designed for technician and inspector roles within local and tribal agencies, with potential benefits for county engineers.



<https://b.link/dhppj2n0>

Crash Course Videos Planning Tool for Instructors

The micro learning series introduces the National Local and Tribal Assistance Program Association (NLTAPA) audience to the NLTAPA YouTube Channel, which includes videos curated by the NLTAPA Training Resources Group. Microlearnings are 3-to-5-minute introductory snippets that draw attention to groups of videos on topics. The series will highlight NLTAPA's available videos, promote and expand the library, and provide a tool instructors can use to support the classroom learning experience by focusing talking points and engaging learners.

<https://b.link/f9oxwtns>



Fundamentals of Quality Concrete

This 1.5-hour self-paced course explores the fundamental properties of concrete, from its basic ingredients—Portland cement, water, and aggregates—to its various applications in construction. It covers key aspects of mixing, placing, finishing, and curing concrete for different types of structures, including high-rise buildings, retaining walls, roads, and storage tanks. Aimed at materials engineers and those involved in concrete work within local and tribal agencies, the course addresses essential questions about concrete ingredients, usage, location, and timing of placement.

<https://b.link/t32n6uwz>



Work Zone Fundamentals

This 1.5-hour, self-paced course focuses on improving safety in work zones—areas designated for construction, utility work, maintenance, or road repairs. Work zones can present significant hazards for both pedestrians and drivers, with particular risk to workers. As proof of the need to enhance work zone safety, the National Highway Traffic Safety Administration reported an increase from 845 work zone fatalities in 2019 to 857 fatalities in 2020 alongside 244 fatalities involving commercial motor vehicles and 156 pedestrian deaths.

This course aims to make work zones safer for highway workers and the public by promoting collective responsibility for safety. Key topics include safety best practices, personal protective equipment, nighttime operations, work zone markings, flaggers, traffic control, queuing, tailgate meetings, equipment, and the importance of collaboration. The course is designed for transportation professionals within local agencies and tribal governments working to improve highway safety.

<https://b.link/ldjxpg1e>



GEOSYNTHETIC REINFORCED SOIL–INTEGRATED BRIDGE SYSTEM (GRS–IBS)*

GRS-IBS Series - Course 1: Introduction to GRS-IBS*

This 2-hour, self-paced course is the first in a six-part series on the GRS–IBS, an advanced method for building cost-effective, durable single-span bridges. Courses 1 and 2 begin with foundational topics such as project design steps and site investigation. Courses 3, 4, and 5 cover hydraulic modeling, load and resistance factor design (LRFD), and construction practices. Course 6 offers advanced insights into project layout, load analysis, and stability. This training is tailored for local agency and tribal transportation personnel at varying expertise levels and provides essential skills for designing and executing GRS–IBS projects efficiently.

<https://b.link/ptiauu45>



GRS-IBS Series - Course 2: Geotechnical Site Characterization*

This 2-hour, self-paced course is the second in a six-part series on the GRS–IBS, an advanced method for building cost-effective, durable single-span bridges. Courses 1 and 2 begin with foundational topics such as project design steps and site investigation. Courses 3, 4, and 5 cover hydraulic modeling, LRFD, and construction practices. Course 6 offers advanced insights into project layout, load analysis, and stability. This training is tailored for local agency and tribal transportation personnel at varying expertise levels and provides essential skills for designing and executing GRS–IBS projects efficiently.

<https://b.link/beydhi11>



GRS-IBS Series - Course 3: Bridge Hydraulic Design*

This 1.5-hour, self-paced course is the third in a six-part series on the GRS–IBS, an advanced method for building cost-effective, durable single-span bridges. Courses 1 and 2 begin with foundational topics such as project design steps and site investigation. Courses 3, 4, and 5 cover hydraulic modeling, LRFD, and construction practices. Course 6 offers advanced insights into project layout, load analysis, and stability. This training is tailored for local agency and tribal transportation personnel at varying expertise levels and provides essential skills for designing and executing GRS–IBS projects efficiently.

<https://b.link/f7rtmsh9>



GRS-IBS Series - Course 4: GRS-IBS Design Using LRFD*

This 3-hour, self-paced course is the fourth in a six-part series on the GRS–IBS, an advanced method for building cost-effective, durable single-span bridges. Courses 1 and 2 begin with foundational topics such as project design steps and site investigation. Courses 3, 4, and 5 cover hydraulic modeling, LRFD, and construction practices. Course 6 offers advanced insights into project layout, load analysis, and stability. This training is tailored for local agency and tribal transportation personnel at varying expertise levels and provides essential skills for designing and executing GRS–IBS projects efficiently.

<https://b.link/bpowuzq2>



GRS-IBS Series - Course 5: GRS-IBS Planning, Construction, and Inspection*

This 2.5-hour, self-paced course is the fifth in a six-part series on the GRS-IBS, an advanced method for building cost-effective, durable single-span bridges. Courses 1 and 2 begin with foundational topics such as project design steps and site investigation. Courses 3, 4, and 5 cover hydraulic modeling, LRFD, and construction practices. Course 6 offers advanced insights into project layout, load analysis, and stability. This training is tailored for local agency and tribal transportation personnel at varying expertise levels and provides essential skills for designing and executing GRS-IBS projects efficiently.

<https://b.link/bzvfb1pu>



GRS-IBS Series - Course 6: Project Design Analysis*

This 4-hour, self-paced course is the last in a six-part series on the GRS-IBS, an advanced method for building cost-effective, durable single-span bridges. Courses 1 and 2 begin with foundational topics such as project design steps and site investigation. Courses 3, 4, and 5 cover hydraulic modeling, LRFD, and construction practices. Course 6 offers advanced insights into project layout, load analysis, and stability. This training is tailored for local agency and tribal transportation personnel at varying expertise levels and provides essential skills for designing and executing GRS-IBS projects efficiently.

<https://b.link/xa5gsre4>



Tribal Transportation Program (TTP 101)*

This 2.5-hour, self-paced course provides an overview of the TTP and how tribes can utilize Federal funds to enhance transportation quality for native communities. Four 45-minute modules cover TTP funding, discretionary grants, Tribal Transportation Improvement Programs, referenced funding agreements (RFAs), and environmental requirements like the National Environmental Policy Act. Please note that this course only offers a high-level overview of these subjects, not detailed analysis. The course is designed for tribal council members, tribal transportation practitioners, and local agency staff seeking an overview of TTP funds.

<https://b.link/px5vj63p>



Traffic Calming*

This 3-hour, self-paced course explores traffic calming strategies designed to reduce vehicle speeds and volumes, improving safety for pedestrians and cyclists while decreasing crash severity and fatalities. It is divided into four 45-minute modules that introduce traffic calming and cover tools for traffic calming, challenges and solutions, and relevant case studies. The course is aimed at local and tribal government professionals involved in developing or assessing traffic calming measures.

<https://b.link/rw5xk2yu>



ROAD SAFETY AUDITS (RSAs)*

RSAs – Technical Track*

This 4.5-hour, self-paced course provides a comprehensive understanding of RSAs, which are proactive evaluations of road or intersection safety. Aimed at personnel who may participate in RSA teams—including technicians, engineers, and local lawmakers—the course covers the purpose of RSAs, their differences from traditional safety reviews, the comprehensive eight-step RSA process, and common challenges faced during audits. Six 45-minute modules introduce RSAs and address road safety issues, the RSA process and first steps, field review and analysis, reporting, and virtual audit exercises.

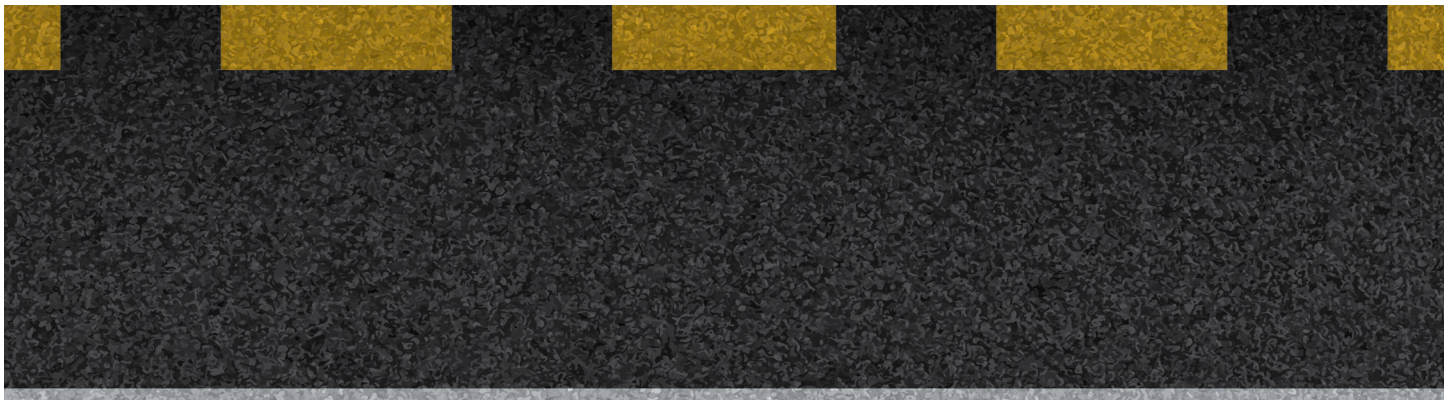
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RSAs – Executive Track*

This 3-hour, self-paced course provides an executive-level understanding of RSAs, which are proactive evaluations of road or intersection safety. Aimed at supervisor and higher-level positions within local agencies and tribal governments, the course covers the purpose of RSAs, their differences from traditional safety reviews, and the comprehensive eight-step RSA process. Four 45-minute modules introduce RSAs and address road safety issues, the RSA process, and project management, policy, and funding.

<https://b.link/t7fl7hb0>



Pavement Preservation: Choosing the Right Treatment for the Right Pavement at the Right Time for Local Agencies and Tribes*

This 4-hour, self-paced course provides an in-depth understanding of pavement preservation, a proactive strategy designed to extend the useful life of roadways and reduce the need for costly reconstruction and rehabilitation. Participants will explore the rationale behind pavement preservation, the types of pavement distress, and a range of preservation treatment options. The course offers guidance on selecting the most appropriate treatment based on specific pavement conditions and includes methods for evaluating the effectiveness of these treatments. Aimed at industry leaders and decision makers within local and tribal agencies, the training equips professionals with the knowledge needed to implement and support effective pavement preservation strategies.

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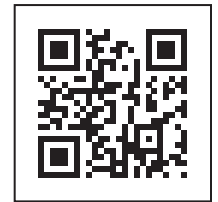


GRAVEL ROAD SERIES*

Gravel Roads Construction and Maintenance*

This 5-hour, self-paced course provides essential knowledge on gravel road design, construction, and maintenance. Gravel roads, often used for agricultural access and local traffic, require ongoing maintenance due to their unsurfaced nature and inability to sustain original construction attributes in the long term. This course, based on the recently revised FHWA Gravel Roads Construction and Maintenance Guide, is designed for local and tribal transportation officials, managers, and motor grader operators and is divided into 30-minute modules that cover topics including the fundamentals of gravel road design, base and surface gravel, equipment, construction, maintenance, dust control, and condition assessment.

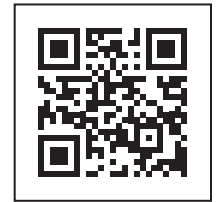
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Condition Assessment of Gravel Roads*

This 3.5-hour, self-paced course focuses on condition assessment of gravel roads. Proper monitoring and rating of gravel roads is crucial for identifying safety risks and optimizing the use of resources. The course is divided into four 45-minute modules that cover an introduction to gravel road condition assessment, methods for rating road surface conditions, and evaluation factors and include an interactive case exercise. The course is designed to help local agencies and tribal governments involved in constructing and maintaining gravel roads understand road conditions, prioritize improvements, and enhance overall community safety and satisfaction.

<https://b.link/aq6imrx5>



Strategies for Effective Management of Gravel Roads*

This 3-hour, self-paced course emphasizes effective management strategies for gravel road assets. The course is divided into four 45-minute modules that cover condition evaluation, data collection and analysis, and decision making and concludes with a detailed case example on developing and applying a gravel road asset management program. The course is designed for local agency and tribal government decision makers and personnel involved in managing gravel roadways to understand and implement asset management practices and help their organizations to reduce maintenance costs, improve road conditions, identify key routes, and enhance decision-making processes.

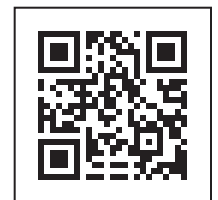
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Soils and Foundations

This self-paced course provides an overview of soils and foundations with a focus on real-world geotechnical issues and the critical role of materials engineers. It underscores the importance of interdisciplinary collaboration, questioning, and seeking assistance when necessary. Participants will gain insights into the geological context of project sites, including the origins and engineering properties of rocks and soils, which are vital for informed design and construction decisions. Key topics include the influence of soil and foundation properties on road design, particularly concerning stiffness, strength, and drainage, geology and transportation, geotechnical project development, embankments and slopes, and pavements. This course is intended for a variety of positions within local agencies and tribal governments, with an emphasis on the role of the materials engineer, as well as those providing input and information in support of geotechnical work. The target audience is primarily professionally certified engineers with a great deal of prior knowledge and expertise.

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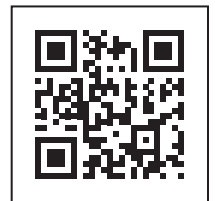


SAFE TRANSPORTATION FOR EVERY PEDESTRIAN (STEP)

STEP for Local and Tribal Locations*

This 6-hour, self-paced course developed by the FHWA provides a comprehensive guide for selecting effective pedestrian safety measures and covers topics such as crosswalk visibility, raised crosswalks, pedestrian refuge islands, and various beacon systems. It is divided into 11 modules of approximately 30 minutes each and focuses on specific strategies and tools to enhance pedestrian safety, culminating in evaluation and implementation strategies. It is designed for local and tribal transportation safety professionals, including planners, designers, engineers, and project managers involved in pedestrian crossing countermeasure implementation. For a comprehensive overview of pedestrian safety issues, countermeasure implementation, and evaluation strategies, please register for the full STEP course.

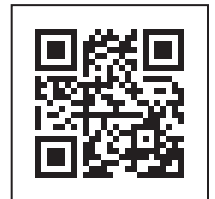
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Countermeasure Spotlight: Crosswalk Visibility Enhancements

This 30-minute, self-paced module focuses on crosswalk visibility enhancements, detailing their purpose, key features, and considerations for implementation. It is part of the STEP course, designed for local and tribal transportation safety professionals, including planners, designers, engineers, and project managers involved in pedestrian crossing countermeasures.

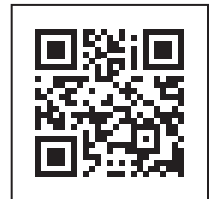
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Countermeasure Spotlight: Raised Crosswalks

This 30-minute, self-paced module focuses on raised crosswalks, detailing their purpose, key features, and considerations for implementation. It is part of the STEP course, designed for local and tribal transportation safety professionals, including planners, designers, engineers, and project managers involved in pedestrian crossing countermeasures.

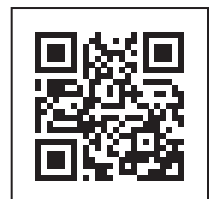
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Countermeasure Spotlight: Pedestrian Refuge Islands

This 30-minute, self-paced module focuses on pedestrian refuge islands, detailing their purpose, key features, and considerations for implementation. It is part of the STEP course, designed for local and tribal transportation safety professionals, including planners, designers, engineers, and project managers involved in pedestrian crossing countermeasures.

<https://b.link/a9bpuc25>



Countermeasure Spotlight: Rectangular Rapid-Flashing Beacons

This 30-minute, self-paced module focuses on rectangular rapid-flashing beacons, detailing their purpose, key features, and considerations for implementation. It is part of the STEP course, designed for local and tribal transportation safety professionals, including planners, designers, engineers, and project managers involved in pedestrian crossing countermeasures.

<https://b.link/5u7bvm9w>



Countermeasure Spotlight: Pedestrian Hybrid Beacons

This 30-minute, self-paced module focuses on pedestrian hybrid beacons, detailing their purpose, key features, and considerations for implementation. It is part of the STEP course, designed for local and tribal transportation safety professionals, including planners, designers, engineers, and project managers involved in pedestrian crossing countermeasures.

<https://b.link/djlvcwxd>



Countermeasure Spotlight: Road Diets

This 30-minute, self-paced module focuses on road diets, detailing their purpose, key features, and considerations for implementation. It is part of the STEP course, designed for local and tribal transportation safety professionals, including planners, designers, engineers, and project managers involved in pedestrian crossing countermeasures.

<https://b.link/zu6aoivn>



Countermeasure Spotlight: Leading Pedestrian Intervals

This 30-minute, self-paced module focuses on leading pedestrian intervals, detailing their purpose, key features, and considerations for implementation. It is part of the STEP course, designed for local and tribal transportation safety professionals, including planners, designers, engineers, and project managers involved in pedestrian crossing countermeasures.

<https://b.link/dnun4cex>





The SafetyEdge Solution

This 3-hour, self-paced course addresses the risks associated with conventional paving, where vertical or near-vertical pavement edges can create unsafe conditions for motorists even with a drop as short as 2 inches, and describes the SafetyEdge technique, which shapes the pavement edge into a 30-degree slope, significantly reducing the risk of edge drop crashes and enhancing safety. Targeted at design and construction personnel from local agencies and tribal governments, this course introduces SafetyEdge and its fundamentals, covers construction techniques for asphalt and Portland cement concrete pavements or overlays, and shares key insights from case study field reports.

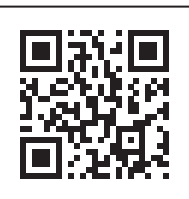
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Fundamentals of Targeted Overlay Pavement Solutions (TOPS)

This 4-hour, self-paced course introduces TOPS, a strategic method for applying different overlays to specific road locations to enhance performance and cost-effectiveness. With a significant gap between available and needed funding for highways and bridges and many roadways in poor condition, TOPS provides advanced asphalt and concrete overlays designed to extend pavement life and accommodate various traffic and environmental conditions. Participants will gain knowledge in TOPS fundamentals, mix types and applications, construction and inspection processes, and best practices for quality control. The course is tailored for local and tribal agency professionals in pavement and materials engineering, design engineering, and supervisory roles, as well as consultant engineers who support agency and tribal decision making. A final assessment is included to test your understanding.

<https://b.link/bz15ma4p>



MAINTENANCE SERIES*

Bridge Maintenance*

This 3.5-hour, self-paced course covers bridge inspections and maintenance, focusing on the responsibilities of state departments of transportation, counties, cities, and tribes. It emphasizes the importance of timely and cost-effective preventive maintenance to ensure bridge safety and functionality. The course is divided into four 45-minute modules and includes an overview of bridge maintenance planning, scheduling tools, and management strategies. It is tailored for local agency and tribal government personnel involved in bridge inspections, maintenance, and planning.

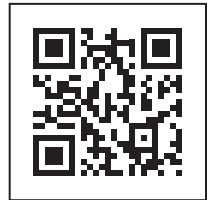
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Elevation Grade Instrument Use*

This 3-hour, self-paced course covers essential surveying techniques used in civil engineering, including measuring distances and angles, understanding land structure, and interpreting survey data. The course is divided into four 45-minute modules that review various types of surveys, basic staking methods, elevation concepts, and the use of surveying equipment. Participants will gain foundational knowledge in surveying, including basic terms and calculations related to elevation, slope, and grade, along with an overview of the tools required for effective surveying. The course is designed for local agency and tribal government personnel involved in land-use surveys.

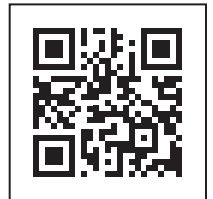
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Pipe Installation and Maintenance*

This 3.5-hour, self-paced course focuses on the critical role of pipes in managing storm water to prevent flooding, erosion, and structural damage. It is divided into four 45-minute modules that cover key topics such as proper pipe installation procedures, including foundation, bedding, and backfill, as well as joint classification and the maintenance of pipes and culverts (note that in this course, the term “pipe” refers to both drainage pipes and culverts). Participants will gain essential knowledge for ensuring effective and long-lasting drainage solutions. This course is designed for local agency and tribal government personnel involved in the inspection, installation, and maintenance of drainage pipes and culverts.

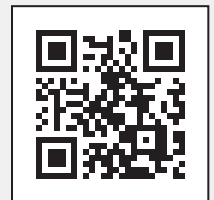
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Grant Applications 101*

This 4-hour, self-paced course provides basic information on how to apply for Federal grants. It is divided into five 45-minute modules that cover basic concepts, terminology, the grant life cycle, eligibility, funding, writing, and submission. This course is designed for local agency and tribal government transportation professionals involved in Federal grant applications. While the course deals with some grants awarded by the BIL, it is not a comprehensive overview of grants available through the BIL.

<https://b.link/hxgqwkx8>

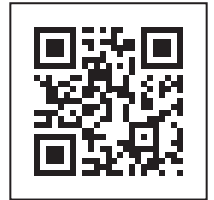


VALUE CAPTURE*

Course 1: Fundamentals*

This 1.5-hour, self-paced course is the first in a three-part value capture series designed for decision makers and those who support them. The series teaches the concept of value capture, which leverages the increased property values and benefits from transportation investments to fund infrastructure improvements, and provides rural and urban transportation agencies with techniques to reduce funding gaps, apply lessons learned, and understand the economic impacts of transportation projects. Course 1 introduces the concept of value capture, funding and financing options, and reviews successful projects and their lessons learned. Subsequent courses address selecting the appropriate value capture techniques and implementing value capture strategies.

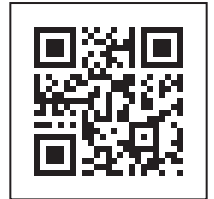
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Course 2: Selecting the Appropriate Techniques*

This 3.5-hour, self-paced course is the second in a three-part value capture series designed for decision makers and those who support them. The series teaches the concept of value capture, which leverages the increased property values and benefits from transportation investments to fund infrastructure improvements, and provides rural and urban transportation agencies with techniques to reduce funding gaps, apply lessons learned, and understand the economic impacts of transportation projects. Course 2 addresses selecting appropriate techniques, introducing different value capture techniques and covering developer contributions, fees, taxes, joint development, and naming rights. This course builds on the fundamentals of the first course and prepares participants to learn how to implement value capture.

<https://b.link/a91zxcot>



Course 3: Implementing Value Capture*

This 3-hour, self-paced course is the last in a three-part value capture series designed for decision makers and those who support them. The series teaches the concept of value capture, which leverages the increased property values and benefits from transportation investments to fund infrastructure improvements, and provides rural and urban transportation agencies with techniques to reduce funding gaps, apply lessons learned, and understand the economic impacts of transportation projects. Course 3 addresses implementing value capture, covering how to develop a business and economic case, address real estate risk and regulatory frameworks, and implement a funding and financing plan. This course uses the fundamentals of value capture and selection of value capture techniques from the previous courses as a basis for effective execution of value capture techniques.

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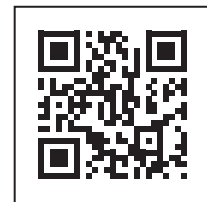


PROJECT BUNDLING*

Course 1: Fundamentals*

This 2.5-hour, self-paced course is the first in a three-part project bundling series designed for local and tribal agency personnel. Based on FHWA's Bridge Bundling Guidebook (BBG), the series provides a comprehensive overview of project bundling—a procurement approach that consolidates multiple projects under a single contract to enhance efficiency and collaboration. Each module addresses essential aspects of project bundling to streamline preliminary engineering, design, and construction processes, crucial for addressing the aging U.S. transportation infrastructure. Course 1 covers fundamentals, including an introduction to project bundling, planning and related considerations, and successful projects and lessons learned.

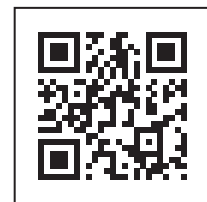
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Course 2: Staging the Bundle*

This 3-hour, self-paced course is the second in a three-part project bundling series designed for local and tribal agency personnel. Based on FHWA's BBG, the series provides a comprehensive overview of project bundling—a procurement approach that consolidates multiple projects under a single contract to enhance efficiency and collaboration. Each module addresses essential aspects of project bundling to streamline preliminary engineering, design, and construction processes, crucial for addressing the aging U.S. transportation infrastructure. Course 2 covers goals and communications, funding and financing strategies, review of environmental and other impacts, and risk assessment.

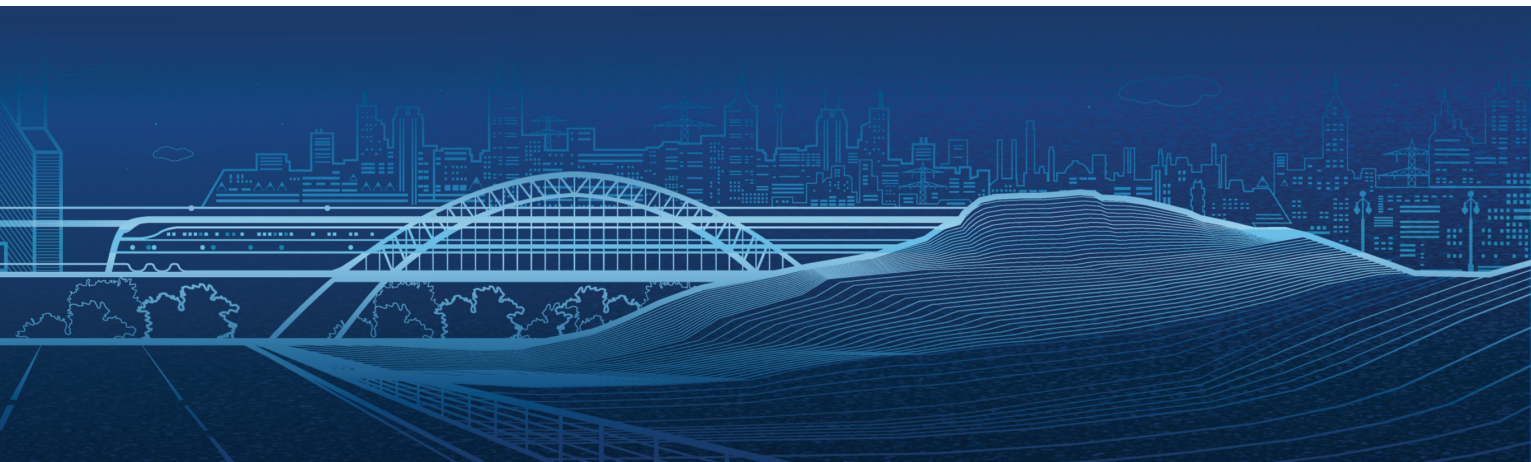
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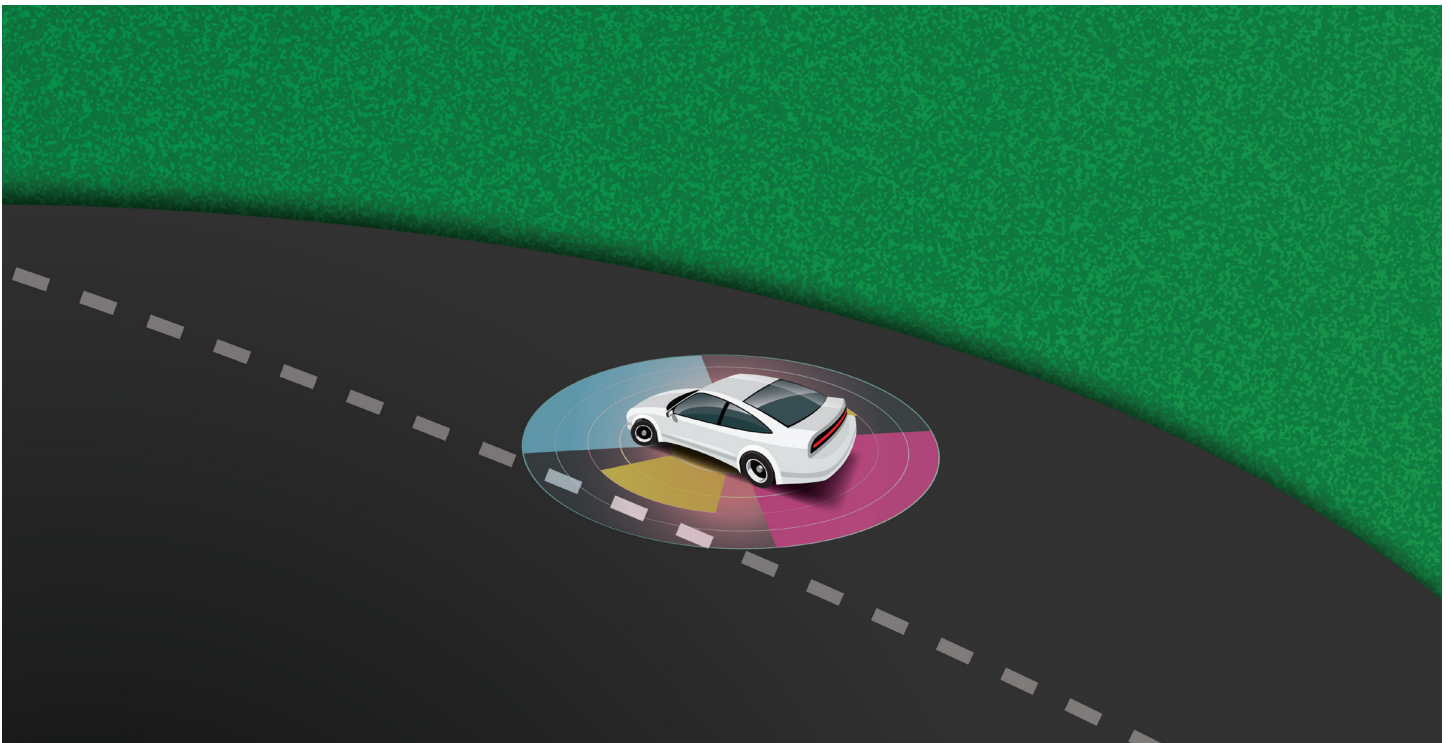


Course 3: Creating and Contracting the Bundle*

This 3.5-hour, self-paced course is the last in a three-part project bundling series designed for local and tribal agency personnel. Based on FHWA's BBG, the series provides a comprehensive overview of project bundling—a procurement approach that consolidates multiple projects under a single contract to enhance efficiency and collaboration. Each module addresses essential aspects of project bundling to streamline preliminary engineering, design, and construction processes, crucial for addressing the aging U.S. transportation infrastructure. Course 3 covers project bundle selection and design, project delivery methods, procurement methods, project management, quality assurance, and close-out.

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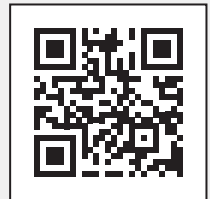




Safe System and Low-Cost Safety Improvements*

This 4.5-hour, self-paced course provides a comprehensive understanding of RSAs, which are proactive evaluations of road or intersection safety. Aimed at personnel who may participate in RSA teams—including technicians, engineers, and local lawmakers—the course covers the purpose of RSAs, their differences from traditional safety reviews, the comprehensive eight-step RSA process, and common challenges faced during audits. Six 45-minute modules introduce RSAs and address road safety issues, the RSA process and first steps, field review and analysis, reporting, and virtual audit exercises.

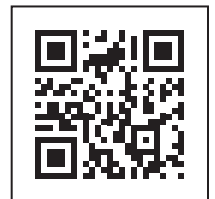
<https://b.link/bw5tw45l>



Motor Grader Operator Training Course*

This 4.5-hour, self-paced course focuses on the use of motor graders, essential for maintaining the 1.2 million miles of unpaved roads in the U.S. and builds on foundational knowledge from the Gravel Road Construction and Maintenance course. It is divided into six 45-minute modules that cover key topics such as safety, operation, and functionality of motor graders, best practices for effective use, and techniques for reshaping roads and working around roadway features. The course is intended for local agency and tribal government personnel involved in the construction, maintenance, and rehabilitation of unpaved gravel roads, including grader operators, maintenance technicians, inspectors, and supervisors, as well as construction and design engineers and project managers.

<https://b.link/r3mbb58e>



ONLINE TRAINING OFFERED THROUGH THE LOCAL TECHNICAL ASSISTANCE PROGRAM (LTAP) CENTERS



There are 51 LTAP Centers in the U.S., with one in each state and in Puerto Rico. Several centers are offering online-specific training that is open to transportation professionals in local government and Tribal agencies. To learn more about LTAP Centers and what they offer, visit: <https://www.fhwa.dot.gov/clas/ltap>.

Illinois Technology Transfer Center (IL LTAP)

<https://b.link/zwb7wny5>

The Technology Transfer Training Program offers local agencies technical and non-technical training. The seminars and classes are tuition free. A variety of subjects are offered at training sites around the state to bring the training closer to local agency personnel. Classes and seminars present information on various aspects of highway design, construction, maintenance, work zone safety and general safety. For questions regarding the trainings, please contact 217.785.2350 or barry.kent@illinois.gov.



Minnesota LTAP (MN LTAP)

<https://b.link/e4p1hl63>

The MnLTAP offers flexible, on-demand online courses that can be taken anytime, anywhere. These courses cover a variety of topics for local transportation agencies and help improve skills and knowledge. Many courses qualify for Roads Scholar Program credit, PDHs, and other professional development credits to support career advancement. For questions regarding the trainings, please contact 612.626.1077 or mnltp@umn.edu.



Missouri LTAP (MO LTAP)

<https://b.link/x4vd4lzn>

The MO-LTAP focuses on creating a safe, efficient, and sustainable transportation system. MO-LTAP provides training, technical assistance, and technology transfer to help local transportation providers improve their skills, services, and infrastructure. For questions regarding the trainings, please contact 573.341.6155 or 866.MORoads.



Nevada LTAP (NV LTAP)

<https://b.link/wpit1w29>

The NVLTAP offers technical training to build an effective, efficient, and innovative workforce. Training topics include pavements, bridges, workplace and traffic safety, the environment, civil rights, and foundational skills. For questions regarding the trainings, please contact 775.420.4811.



New Mexico LTAP (NM LTAP)

<https://b.link/lhnhvru5>

The NM-LTAP is excited to announce a series of online trainings you can take at your own pace, on your own schedule! Check out our asynchronous, online learning courses, including Basic Plan Reading, Introduction to Transportation Math, and Workplace Best Practices. CDL A and B Theory courses coming soon! For questions regarding the trainings, please contact 505.277.0767 or ltap@unm.edu.



Ohio LTAP (OH LTAP)

<https://b.link/eg71iuvb>

The Ohio LTAP offers more than 750 online courses (eLearning or web-based training) that are available to all employees and agencies directly related to transportation topics and technical areas. For questions regarding trainings, please contact 1.877.800.0031 or LTAP@dot.ohio.gov.





U.S. Department of Transportation
Federal Highway Administration



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