



U.S. Department of Transportation
Federal Highway Administration

Air Quality + Sustainable Transportation Highlights



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Announcements

Bipartisan Infrastructure Law (BIL) Signed November 15, 2021

On November 15, 2021, President Biden signed the [Infrastructure Investment and Jobs Act \(IIJA\) \(Public Law 117-58, also known as the “Bipartisan Infrastructure Law”\)](#) into law. The Bipartisan Infrastructure Law is the largest long-term investment in our infrastructure and economy in our Nation’s history. It provides \$550 billion over fiscal years 2022 through 2026 in new Federal investment in infrastructure, including in roads, bridges, and mass transit, water infrastructure, resilience, and broadband. Amongst new programs, the BIL includes the Promoting Resilient Operations for Transformative, Efficient, and Cost Saving Transportation (PROTECT) Program, the Carbon Reduction Program, and programs to implement a national network of electric vehicle infrastructure, including the National Electric Vehicle Formula Program and the Grants for Charging and Fueling Infrastructure Program. For more information, visit the [FHWA Bipartisan Infrastructure Law webpage](#).

FHWA Adds a New Electronic Open-Road Tooling Tool to the CMAQ Calculator Toolkit

The FHWA is pleased to announce the recent posting of a new tool to the [CMAQ Emissions Calculator Toolkit](#). This new Electronic Open-Road Tolling Tool is designed to calculate air quality benefits for projects which include conversion of traditional full-stop or rolling-stop toll plazas to free-flow facilities with overhead gantries. This is the third tool in a series developed specifically to address the use of Vehicle to Infrastructure (V2I) technology in transportation projects. Any questions or requests for additional information should be addressed to Mark Glaze (202 366-4053).

FHWA Releases Updated Health in Transportation Corridor Planning Framework

The [Health in Transportation Corridor Planning Framework](#) (Framework) is designed to help transportation professionals incorporate health considerations and outcomes in the corridor planning process. This resource provides questions to consider at each common corridor planning process step and includes examples from practice which demonstrate real-life use cases. The examples summarize diverse applications of the Framework by agencies who tested the Framework and represent a wide variety of stakeholders. Additionally, [six new transportation agencies across the country tested the framework in a corridor study](#) and their experiences are shared as case studies that highlight how the Framework was used and the resulting outcomes. On November 9, 2021, FHWA hosted a [webinar](#) where participants heard from transportation professionals on their use of the Framework tools and information to conduct community engagement, forge partnerships, leverage resources, and garner support for investments that support healthy outcomes for their community.



Events

Virtual XVI World Winter Service and Road Resilience Congress

February 7-11, 2022. The XVI World Winter Service and Road Resilience Congress organized by PIARC (World Road Association), Transport Canada, and the city of Calgary will be held virtually in February 2022. New technologies and methods in winter service, the effect of climate change on winter service, and resilience through asset management and security will be discussed in a variety of formats and languages. [Register for the World Winter Service and Road Resilience Congress today!](#)

TRB Conference on Sustainability and Emerging Transportation Technology

March 15-18, 2022. The Transportation Research Board (TRB) conference on Sustainability and Emerging Transportation Technology (SETT) will be held in Irvine, California in March 2022. The conference will focus on how academic, policy-makers, the private sector, non-profit organizations, and others can work together to shape new mobility solutions to benefit all users of our transportation systems. [Register for the TRB SETT conference today!](#)



Resources

New No Cost NHI Course Roadway Interactions with Rivers and Floodplains: Basic Concepts

A new National Highway Institute (NHI), web-based training course on the [basic concepts of roadway interactions with rivers and flood plains](#) is available at no cost. This course discusses natural river processes, interactions between rivers and roads, and transportation resilience concepts in riverine settings. This course also includes multiple practical case studies and is suitable for anyone involved in planning, designing, constructing, or operating transportation projects in river environments.

CMIP Climate Data Processing Tool Version 2.1 Training Webinar Recording

This [90 minute training webinar](#) introduces users to the recently updated CMIP Climate Data Processing Tool. It provides background information on climate projections for temperature and precipitation for the contiguous 48 States; introduces the source of projections the tool uses; and walks through the process of downloading the data, uploading it into the tool, and using the tool to calculate a range of variables for use in regional vulnerability assessments and transportation project analyses. It also presents an example of calculating a climate factor and using it to calculate future AEP precipitation depths. The CMIP tool is available through FHWA's [Climate Change Adaptation Tools webpage](#).

FHWA Resource Center Environment, Air Quality & Realty Team Training Activities

FHWA's Resource Center Environment, Air Quality & Realty Team is available to offer MOVES and other trainings. Please contact [George Noel](#), for additional information or to discuss scheduling a training.

FHWA Web-Based Transportation Conformity Training

Several web-based transportation conformity training opportunities are available on-demand from [FHWA's conformity training website](#) (under "Web-based Training"). The target audience for these training materials are FHWA staff and State and local transportation partners (MPOs and State DOTs) who are either new to or would like a refresher training on the conformity process. For questions, please contact [David Kall](#).

FHWA CMAQ 101 Training

FHWA posted a [22-minute YouTube video on the CMAQ program](#). The video provides a basic introduction to the program, how CMAQ funds are distributed to States, and the types of

projects eligible for the CMAQ program. For more information about the CMAQ program, please contact [Mark Glaze](#).

FHWA NEPA Air Quality Analysis for Highway Projects

The FHWA Resource Center Environment, Air Quality & Realty Team periodically conducts a series of training sessions on National Environmental Policy Act (NEPA) Air Quality Analysis for Highway Projects. The training includes sessions on project-level applications appropriate for managers and practitioners, as well as hands-on sessions intended for modelers. If you are interested in this training, please contact [George Noel](#).

FHWA Web-Based TNM Training

FHWA has created a [Traffic Noise Model \(TNM\) Playlist on its YouTube Channel](#). These short-format videos demonstrate how to install TNM, complete basic tasks in the software, and provide details on specific features. Additional videos will be added throughout the year. Additional TNM Training materials are available on the [FWHA Noise Training Website](#). For technical assistance with TNM please contact TNMHelp@dot.gov.

NHI No Cost Highway Traffic and Construction Noise Course

FHWA's Planning, Environment, and Realty office and the National Highway Institute (NHI), in cooperation with the Resource Center and Division Offices, have updated and launched a web-based Traffic Noise Training Course. This on-demand, web-based training was a previously multi-day, instructor-led course. This course is now available on the NHI website at no cost and provides a comprehensive overview of all aspects of the highway traffic noise program. The courses are available on the [NHI website](#) by searching for "highway noise" and locating course codes 142086 – 142094.

NHI No Cost Air Quality Planning Web Course

The NHI Air Quality Planning web-based training series is designed for transportation practitioners. It includes four modules: Clean Air Act Overview (FHWA-NHI-142068), SIP and Transportation Control Measure (TCM) Requirements and Policies (FHWA-NHI-142069), SIP Development Process (FHWA-NHI-142070), and Transportation Conformity (FHWA-NHI-142071). All courses are free. For more information, visit the [NHI website](#) and search "Air Quality Planning," or look for the specific course number. Please contact Karen Perritt with any questions or comment



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Please e-mail Victoria.Martinez@dot.gov with suggestions for future issues

Past issues of the Air Quality and Sustainability Highlights are available on

FHWA's [Air Quality website](#) and [Sustainability website](#)

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