COLORADO
Department of Transportation

Transportation Engineering Training Program

Fiscal Year 2027 Training Schedule

CDOT's Transportation Engineering Training Program offers roadway design and construction training for consultant engineering staff, specialty units, and local agency personnel. This schedule lists all instructor-led courses that are currently open for enrollment for Fiscal Year 2027. More engineering training can be accessed through the TETP web pages on codot.gov.

All TETP training is managed in the State of Colorado (SOC) Learns Training Portal.
Need an account? Visit the Access the LMS webpage to request an account.

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October 2026

MicroStation CONNECT Fundamentals Using OpenRoads Designer (CADD)

Description: This course offers a comprehensive introduction to the essential CADD features of MicroStation CONNECT Edition, specifically tailored for new users working within the OpenRoads Designer (ORD) environment. Participants will start with the basics, learning to navigate the interface, use essential drawing tools, and understand element attributes. The course progresses through precision drawing techniques, element manipulation, annotation, and finally, preparing designs for printing and publishing.

When: Oct. 6 through 8 from 8:30 a.m. to 4 p.m. each day

Where: Online via Google Meet

Cost: Free

Target Audience: This course is intended for drafters, designers, technicians, and engineers who need to create and modify 2D designs. It's also suitable for individuals seeking a comprehensive introduction or a refresher on fundamental MicroStation CADD operations.

Register: Enroll in the MicroStation CONNECT Fundamentals course in SOC Learns.

OpenRoads Designer Survey Data Reduction Fundamentals (CADD)

Description: This course provides hands-on training for processing raw CDOT Terrain Modeling Survey System (TMOSS) data in OpenRoads Designer. Learners will import, edit, and deliver survey data to create accurate DGN files and terrain elements, strictly adhering to CDOT workspace and standards. Upon completing this course, participants will be able to understand and navigate the fundamentals of data reduction in OpenRoads Designer, identify common issues within raw survey files, and ensure all survey deliverables comply with CDOT requirements using the appropriate techniques.
When: Oct. 6 through 8 from 8 a.m. to 12 p.m. each day
Where: Online via Google Meet
Cost: Free
Target Audience: This course is designed for surveyors, survey technicians, engineers, and CADD professionals who are responsible for importing, processing, and reducing survey data in OpenRoads Designer.
Register: Enroll in the OpenRoads Designer Survey Data Reduction Fundamentals course in SOC Learns.

OpenRoads Designer Utility Modeling (CADD)

Description: This course presents the foundational concepts for the modeling and depiction of subsurface utility information within OpenRoads Designer. Participants will become familiar with the general nature of the drainage and utility project and the opportunities it provides for data management, specifically of existing utilities. Users will then participate in a number of exercises that demonstrate the primary methods available to generate subsurface utility models from various external data sources. Once a subsurface utility model has been created, users will leverage the model for the creation of plan documents, perform conflict detection and evaluate opportunities for data sharing.
When: Oct. 27 and 28, 2026 from 8 a.m. to 4 p.m. each day
Where: Online via Adobe Connect
Cost: Free
Target Audience: This course is for any user of OpenRoads Designer that needs to model subsurface utility content including communication, electrical, gas and water systems, either existing or proposed.

Register: Enroll in the OpenRoads Designer Utility Modeling course in SOC Learns.

Disputes and Claims Prevention and Process with Simulation (TETP)

Description: This course is intended to give project level personnel the tools to prevent disputes and claims and, if necessary, manage and resolve disputes and claims using the process defined in the 105.22 Dispute Resolution, 105.23 Dispute Review Board, and 105.24 Claims for Unresolved Disputes specifications. A team-based online simulation is used in addition to facilitator-led discussions and activities.
When: Oct. 27 and 28, 2026 from 8 a.m. to 4 p.m. each day
Where: Online via Adobe Connect
Cost: $250.00
Target Audience: CDOT Project Engineers, Resident Engineers, and anyone acting in the Project Engineer role on a CDOT project. It is also recommended for Contractor Project Superintendents and Consultant Project Managers.
Register: Enroll in the Disputes and Claims Prevention and Process with Simulation course in SOC Learns.

OpenRoads Designer Right-of-Way Geometry and Plans Production (CADD)

Description: This course provides practical experience with creating and editing roadway geometry and producing CDOT-compliant plan sheets, all while adhering to current CDOT workspace and standards. By the end of the course, participants will be able to create, edit, and organize files for Right-of-Way plan production, understand different types of plan sheets required, and define and manage parcels, easements, and other ROW segments.
When: Oct. 27 and 28, 2026 from 8 a.m. to 4 p.m. each day
Where: Online via Adobe Connect
Cost: Free
Target Audience: This course is designed for engineers, designers, technicians, surveyors, and CADD professionals involved in the creation of Right-of-Way geometry and the production of ROW plan sets.
Register: Enroll in the OpenRoads Designer Right-of-Way Geometry and Plans Production course in SOC Learns.

November 2026

Managing Contract Time (TETP)

Description: This course covers using CPM schedules to manage contract time and address delay issues on construction projects. There will be detailed discussions on issues that arise with an early completion date, how to handle a delay, what float ownership is, the benefit of using a baseline schedule, and the risks and benefits of certain actions.
When: Nov. 4, 2026 from 8 a.m. to 4 p.m.
Where: Online via Adobe Connect
Cost: $150.00
Target Audience: Project Managers and Project Engineers interested in learning how to identify types of delays, establish contract time, and determine when to use different contract types and methods.
Register: Enroll in the Managing Contract Time online course in SOC Learns.

Writing for Engineering Professionals 1 (TETP)

Description: Writing for Engineering Professionals 1 is day one of a two-day technical-writing training program where you'll learn to apply a process approach to writing, capture the details to organize your document, and write effective paragraphs by creating direction-setting topic sentences.
When: Nov. 5, 2026 from 8 a.m. to 5 p.m.
Where: Online via Zoom
Cost: $100.00
Target Audience: Engineers-in-Training, Professional Engineers, and support staff who must write engineering documents.
Register: Enroll in the Writing for Engineering Professionals 1 workshop in SOC Learns.

Reviewing Critical Path Method Construction Schedules (TETP)

Description: This course addresses specific issues related to reviewing a Contractor's CPM schedule per the requirements of the CDOT Standard Specifications subsection 108.03 Project Schedule. It utilizes hands-on activities where participants will interpret contractor schedules, reports, and look for potential issues within those schedules.

When: Nov. 10, 2026 from 8 a.m. to 3 p.m.
Where: Online via Adobe Connect
Cost: $150.00
Target Audience: Engineers-in-Training, Professional Engineers, and Project Managers who evaluate contractor schedules submittals for potential issues.
Register: Enroll in the Reviewing CPM Construction Schedules online course in SOC Learns.

Writing for Engineering Professionals 2 (TETP)

Description: Writing for Engineering Professionals 2 reinforces and expands on the writing strategies and metrics delivered in the initial workshop, Writing for Engineering Professionals 1. This workshop explains how to adjust reader perception through the use of tone strategies, organize documents using five logical patterns, and employ best practices for creating lists.
When: Nov. 12, 2026 from 8 a.m. to 5 p.m.
Where: Online via Zoom
Cost: $100.00
Target Audience: Engineers-in-Training, Professional Engineers, and support staff who must write engineering documents and have already completed Writing for Engineering Professionals 1.
Register: Enroll in the Writing for Engineering Professionals 2 workshop in SOC Learns.

Construction Project Administration for Local Agencies (TETP)

Description: This course is intended to introduce Local Agency Project Managers to CDOT's best practices in project administration. It teaches LA PMs about the contract and its implications, facilitating meetings, conducting field inspections, completing and reporting paperwork, and accessing and interpreting documentation.
When: Nov. 17 and 18, 2026 from 8:30 a.m. to 4:30 p.m. each day
Where: Online via Adobe Connect
Cost: $150.00
Target Audience: Local Agency Project Managers and staff who administer local agency construction projects.
Register: Enroll in the Construction Project Administration for Local Agencies online course in SOC Learns.

National Environmental Policy Act (NEPA): An Introduction (TETP)

Description: This two-hour training introduces the National Environmental Policy Act (NEPA). It will cover what NEPA is and its importance, why CDOT considers environmental regulations, the general NEPA process, and where to get help.
When: Nov. 18, 2026 from 9 a.m. to 11 a.m.
Where: Online via Google Meet
Cost: Free
Target Audience: Anyone that is new to working with the NEPA process or is interested in understanding NEPA and environmental basics.
Register: Enroll in the National Environmental Policy Act (NEPA): An Introduction online course in SOC Learns.

Writing for Engineering Professionals 3 (TETP)

Description: This one-day grammar and punctuation workshop teaches participants how to create parallel structure and the word, phrase, and sentence level, distinguish between essential and non-essential uses of punctuations, and how to determine the appropriate use of active and passive voice in technical writing.
When: Nov. 19, 2025 from 8 a.m. to 5 p.m.
Where: Online via Zoom
Cost: $100.00
Target Audience: Engineers-in-Training, Professional Engineers, and support staff who must write engineering documents. This course can be completed without taking Writing for Engineering Professionals 1 and 2.
Register: Enroll in the Writing for Engineering Professionals 3 workshop in SOC Learns.

December 2026

Traffic Engineering at Grade Crossings (TETP)

Description: This course focuses on best practices and Manual on Uniform Traffic Control Device (MUTCD) standards for signs, pavement markings, traffic signals, and preemption as they relate to railroad grade crossings.
When: Dec. 2, 2026 from 8 a.m. to 5 p.m.

Where: CDOT HQ at 2829 West Howard Place, Denver in the East and West Auditoriums
Cost: $675.00 for non-public agency employees (State, City, County, & Transit)
Target Audience: Traffic and Roadway Engineering staff, utilities staff, and other interested specialists. It's applicable to staff who work with any railroad in Colorado, with specific support from both Union Pacific Railroad and BNSF Railway.
Register: Enroll in the Traffic Engineering at Grade Crossings course through Olsson.

Traffic Engineering at Grade Crossings (TETP)

Description: This course focuses on best practices and Manual on Uniform Traffic Control Device (MUTCD) standards for signs, pavement markings, traffic signals, and preemption as they relate to railroad grade crossings.
When: Dec. 3, 2026 from 8 a.m. to 5 p.m.
Where: Regional Transportation District Headquarters at 1660 Blake Street, Denver
Cost: $675.00 for non-public agency employees (State, City, County, & Transit)
Target Audience: Traffic and Roadway Engineering staff, utilities staff, and other interested specialists. It's applicable to staff who work with any railroad in Colorado, with specific support from both Union Pacific Railroad and BNSF Railway.
Register: Enroll in the Traffic Engineering at Grade Crossings course through Olsson.

Project First Program (TETP)

Description: This course will prepare you to successfully use the Project First Program and Project Risk assessment Tool on your construction projects. Project First formalizes the partnering process to proactively identify and manage risks through collaboration.
When: Dec. 8, 2026 from 8 a.m. to 12:30 p.m.
Where: Online via Adobe Connect
Cost: $100.00
Target Audience: Resident Engineers and anyone acting in the Project Engineer or Assistant Project Engineer role on a CDOT project.
Register: Enroll in the Project First Program online course in SOC Learns.

Construction Project Administration (TETP)

Description: This course teaches about the contract and its implications, facilitating meetings, conducting field inspections, completing and reporting paperwork, and accessing and interpreting documentation. It's recommended for project managers, project engineers, construction engineers, and inspectors working on CDOT construction projects.
When: Dec. 16 and 17, 2026 from 8:30 a.m. to 4:30 p.m. each day
Where: Online via Adobe Connect
Cost: $250.00
Target Audience: Project Managers, Project Engineers, Engineers-in-Training and Inspectors working on construction projects.
Register: Enroll in the Construction Project Administration online course in SOC Learns.

January 2027

Disputes and Claims Prevention and Process with Simulation (TETP)

Description: This course is intended to give project level personnel the tools to prevent disputes and claims and, if necessary, manage and resolve disputes and claims using the process defined in the 105.22 Dispute Resolution, 105.23 Dispute Review Board, and 105.24 Claims for Unresolved Disputes specifications. A team-based online simulation is used in addition to facilitator-led discussions and activities.
When: Jan. 12 and 13, 2027 from 8 a.m. to 4 p.m. each day
Where: Online via AdobeConnect
Cost: $250.00
Target audience: CDOT Project Engineers, Resident Engineers, and anyone acting in the Project Engineer role on a CDOT project. It is also recommended for Contractor Project Superintendents and Consultant Project Managers.
Register: Enroll in the Disputes and Claims Process and Prevention with Simulation course in SOC Learns.

Managing Contract Time (TETP)

Description: This course covers using CPM schedules to manage contract time and address delay issues on construction projects. There will be detailed discussions on issues that arise with an early completion date, how to handle a delay, what float ownership is, the benefit of using a baseline schedule, and the risks and benefits of certain actions.
When: Jan. 26, 2027 from 8 a.m. to 4 p.m.
Where: Online via AdobeConnect
Cost: $150.00
Target audience: Project Managers and Project Engineers interested in learning how to identify types of delays, establish contract time, and determine when to use different contract types and methods.
Register: Enroll in the Managing Contract Time course in SOC Learns.

February 2027

Context Sensitive Solutions (TETP)

Description: This course is an introduction to the basic elements and principles of Context Sensitive Solutions. It explains the primary elements of CSS, how to identify project stakeholders and their roles, and how to put together a multidisciplinary team to successfully implement CSS.
When: Feb. 2, 2027 from 8 a.m. to 1 p.m.
Where: Online via AdobeConnect
Cost: $150.00
Target audience: Project Managers, Designers, Maintenance Supervisors, and Environmental and Planning Staff.
Register: Enroll in the Context Sensitive Solutions course in SOC Learns.

Bridge Construction Inspection Training (TETP)

Description: CDOT's Bridge Construction Inspection Training will discuss commonly identified quality assurance and quality control challenges on CDOT structural projects including high-risk construction elements, critical points where additional documentation or inspection may

be needed, and how to anticipate, mitigate, and best manage these elements. Course offerings will be announced as soon as dates and locations are finalized.

When: Feb. 23 and 24, 2027 from 8:30 a.m. to 4:30 p.m. each day

Where: CDOT Headquarters at 2829 W. Howard Place, Denver in the East Auditorium 162

Cost: $250.00

Target audience: This course is intended for Construction Inspectors, Project Engineers (PEs), Designers, and Resident Engineers (REs).

Register: Enroll in the Bridge Construction Inspection Training in SOC Learns.

March 2027

Utility Engineering Project Management Workshop (TETP)

Description: This workshop is an immersive learning experience that challenges participants to analyze and assess the needs for utility coordination throughout the project life cycle from planning through design and construction. This course will utilize resources from past projects at CDOT to provide a learning experience that is grounded in the context of everyday practice in utility engineering.

When: March 3, 2027 from 8:30 a.m. to 5 p.m.

Where: CDOT HQ at 2829 West Howard Place, Denver in the Valley Hwy Conference Room 158

Cost: $150.00

Target audience: CDOT design and construction engineers who support CDOT's Utilities Program or are involved in utility relocation projects.

Register: Enroll in the Utility Engineering Project Management Workshop in SOC Learns.

Applied Roadway Design (TETP)

Description: In this 3-day course participants will conduct course activities and exercises using the design policies established by the CDOT Roadway Design Guide, AASHTO's Roadside Design Guide, and the AASHTO "Green Book."

When: March 9 through 11, 2027 from 8 a.m. to 5 p.m. each day

Where: CDOT's KOA Facility at 18500 E. Colfax Avenue, Aurora in the Rip Rap/Road Warrior Training Room

Cost: $500.00

Target audience: Roadway designers with 0-5 years of experience, including Professional Engineers (PEs) and Engineers-In-Training (EITs).
Register: Enroll in the Applied Roadway Design course in SOC Learns.

Reviewing Critical Path Method Construction Schedules (TETP)

Description: This course addresses specific issues related to reviewing a Contractor's CPM schedule per the requirements of the CDOT Standard Specifications subsection 108.03 Project Schedule. It utilizes hands-on activities where participants will interpret contractor schedules, reports, and look for potential issues within those schedules.
When: March 23, 2027 from 8 a.m. to 3 p.m.
Where: Online via AdobeConnect
Cost: $150.00
Target audience: Engineers-in-Training, Professional Engineers, and Project Managers who evaluate contractor schedules submittals for potential issues.
Register: Enroll in the Reviewing CPM Construction Schedules course in SOC Learns.

Reading Structural Plans (TETP)

Description: Structural design engineers rely on staff members of other design disciplines as well as construction inspectors to review their designs for conflicts and constructability issues. The Reading Structural Plans course is intended to help engineering staff improve their contribution to the design process and be better able to identify critical issues and conflicts as they are described in bridge structural plans.
When: March 31 and April 1, 2027 from 8 a.m. to 5 p.m. each day
Where: CDOT HQ at 2829 West Howard Place, Denver in the East Auditorium 162
Cost: $400.00
Target audience: Construction Project Engineers, Specialty Group Supervisors, and Planners who review structure designs for conflicts and constructability issues.
Register: Enroll in the Reading Structural Plans course in SOC Learns.

April 2027

Writing for Engineering Professionals 1 (TETP)

Description: Writing for Engineering Professionals 1 is day one of a two-day technical-writing training program where you'll learn to apply a process approach to writing, capture the details to organize your document, and write effective paragraphs by creating direction-setting topic sentences.
When: April 6, 2027 from 8 a.m. to 5 p.m.
Where: Online via Zoom
Cost: $100.00
Target audience: Engineers and support staff who write engineering documents.
Register: Enroll in the Writing for Engineering Professionals 1 workshop in SOC Learns.

Construction Project Administration for Local Agencies (TETP)

Description: This course is intended to introduce Local Agency Project Managers to CDOT's best practices in project administration. It teaches LA PMs about the contract and its implications, facilitating meetings, conducting field inspections, completing and reporting paperwork, and accessing and interpreting documentation.
When: April 7 and 8, 2027 from 8:30 a.m. to 4:30 p.m. each day
Where: Online via AdobeConnect
Cost: $150.00
Target audience: Local Agency Project Managers and staff who administer local agency construction projects.
Register: Enroll in the Construction Project Administration for Local Agencies course in SOC Learns.

Writing for Engineering Professionals 2 (TETP)

Description: Writing for Engineering Professionals 2 reinforces and expands on the writing strategies and metrics delivered in the initial workshop, Writing for Engineering Professionals 1. This workshop explains how to adjust reader perception through the use of tone strategies, organize documents using five logical patterns, and employ best practices for creating lists.
When: April 13, 2027 from 8 a.m. to 5 p.m.

Where: Online via Zoom

Cost: $100.00

Target audience: Engineers and support staff who write engineering documents.

Register: Enroll in the Writing for Engineering Professionals 2 workshop in SOC Learns.

Work Zone Safety and Mobility - Development of a Transportation Management Plan (TETP)

Description: This course focuses on the importance of the Work Zone Mobility Rule implementation (23 CFR Section 630 Subparts J and K) supporting required planning, design, positive protection for workers and reporting for creating safe work zones for roadway workers and the traveling public, by presenting in-depth information and providing practice in creating and utilizing effective Transportation Management Plans (TMPs) and Traffic Control Plans (TCPs) for various types of projects.

When: April 14, 2027 from 8 a.m. to 5 p.m.

Where: CDOT HQ at 2829 West Howard Place, Denver in the East Auditorium 162

Cost: $150.00

Target audience: CDOT design and construction engineering staff who develop or implement TMPs.

Register: Enroll in the Work Zone Safety and Mobility Workshop in SOC Learns.

Writing for Engineering Professionals 3 (TETP)

Description: This one-day grammar and punctuation workshop teaches participants how to create parallel structure and the word, phrase, and sentence level, distinguish between essential and non-essential uses of punctuations, and how to determine the appropriate use of active and passive voice in technical writing.

When: April 20, 2027 from 8 a.m. to 5 p.m.

Where: Online via Zoom

Cost: $100.00

Target audience: Engineers and support staff who write engineering documents.

Register: Enroll in the Writing for Engineering Professionals 3 workshop in SOC Learns.

Construction Project Administration (TETP)

Description: This course teaches about the contract and its implications, facilitating meetings, conducting field inspections, completing and reporting paperwork, and accessing and interpreting documentation. It's recommended for project managers, project engineers, construction engineers, and inspectors working on CDOT construction projects.
When: April 21 and 22, 2027 from 8:30 a.m. to 4:30 p.m. each day
Where: Online via AdobeConnect
Cost: $250.00
Target audience: Project Managers, Project Engineers, Engineers-in-Training and Inspectors working on construction projects.
Register: Enroll in the Construction Project Administration course in SOC Learns.