

Temporary Traffic Control Guidelines

Publication 213



62ND ANNUAL PAPA
CONFERENCE
(TEMPORARY TRAFFIC
CONTROL UPDATE)

BRIAN CROSSLEY, MANAGER, TEMPORARY
TRAFFIC CONTROL UNIT

717

BCROSSLEY@PA.GOV

TTC – SAFETY TRAINING

Purpose

Provide training for **all** work zone personnel who are involved in the following traffic control activities:

- Planning/Design of work zone traffic control
- Installation/Removal of work zone traffic control devices
- Maintenance/Inspection of work zone traffic control
- Operations/Management of work zone traffic control



TTC – SAFETY TRAINING

Proposed Training Program

Provide 3 categories of work zone training

- Field Personnel Work Zone Safety Training
- Deployment & Oversight Work Zone Safety Training
- Design & Review Work Zone Safety Training

Training required is dependent upon work zone job duties

- No pre-requisites for any category of training

Note: Level 1 Course Complete and available to participants in PennDOT's Training Calendar!

http://www.dotdom1.state.pa.us/ecms/ecms_training_calendar.nsf/frameset?open&ContentUnid=9D5DD922470C752D85258589003FE5D5



TTC – SAFETY TRAINING



Introduction to Temporary Traffic Control Safety Exit

Menu **Transcript**

- ▼ Introduction to Temporary Traffic Control
 - ▼ Introduction
 - Course Objectives
 - Visual Cues
 - Agenda
 - ▶ Module 1 Introduction
 - ▶ Module 2 Required Safety Attire
 - ▶ Module 3 Traffic Control Requirements
 - ▶ Module 4 TTC Duration and Requirements
 - ▶ Module 5 Worker Safety Awareness
 - ▶ Module 6 Building TTC Skills
 - ▶ Conclusion



Enter your full name here

Enter your company name here

PennDOT Online Training

Introduction to Temporary Traffic Control Safety

Speaker icon, Chat icon, Play/Pause icon, Progress bar, Refresh icon, **NEXT >**



TTC – SAFETY TRAINING

The screenshot shows a web-based interface for a PennDOT training course. At the top left is the Pennsylvania Department of Transportation logo. The page title is 'Introduction to Temporary Traffic Control Safety' with an 'Exit' link in the top right. The main content area has a blue background with a repeating geometric pattern and displays 'Congratulations' followed by a message: 'Brian Crossley of PennDOT BOMO has passed PennDOT's Introduction to Temporary Traffic Control Safety online course.' Below this, it shows 'Your Score: 100%' and 'Passing Score: 70%'. There are two blue buttons: 'Review Quiz' and 'Print Screen'. The date '10/26/2020' is displayed on the left. At the bottom right of the content area is another PennDOT logo. The bottom of the interface features a grey bar with a speaker icon, a chat icon, and two buttons labeled 'PREV' and 'NEXT'.

pennsylvania
DEPARTMENT OF TRANSPORTATION

Introduction to Temporary Traffic Control Safety Exit

Introduction to Temporary Traffic Control Safety

Congratulations

Brian Crossley of PennDOT BOMO has passed PennDOT's Introduction to Temporary Traffic Control Safety online course.

Your Score: 100%

Passing Score: 70%

10/26/2020 [Review Quiz](#) [Print Screen](#)

◀ [PREV](#) [NEXT](#) ▶



TTC – SAFETY TRAINING

Proposed Training Program Next Steps:

- Level 2 and 3 training under development.
- Pilot class for Level 2 Scheduled for January 26th and 27th.
- In-person class featuring diverse audience including industry.
- Offerings for Level 2 should be ready Spring 2022.
- Pilot class for Level 3 expected this summer.



TTC – SAFETY TRAINING – LEVEL 2

The purpose of this course is to train field personnel responsible for the proper TTC setup/practices and to keep current on the latest information to perform their job duties safely and effectively.

TEMPORARY TRAFFIC CONTROL SAFETY

DEPLOYMENT AND OVERSIGHT

JANUARY 2022, VERSION 1



Deployment and Oversight: Pilot Class January 26th and 27th



TTC – SAFETY TRAINING – LEVEL 2

Deployment and Oversight: Pilot Class January 26th and 27th

Day One

- Module 1: Introduction
- Module 2: Safety and Risk
- Module 3: Human Factors
- Module 4: Manuals and References
- Module 5: Traffic Control Devices
- Module 6: Work Zone Basics
- Module 7: Worker Safety/Flagging

Day Two

- Module 8: Work Zone Skills
- Module 9: Adjusting TTC
- Module 10: Types of TTC Activities
- Module 11: TTC Inspection
- Module 12: Course Review
- Course Assessment



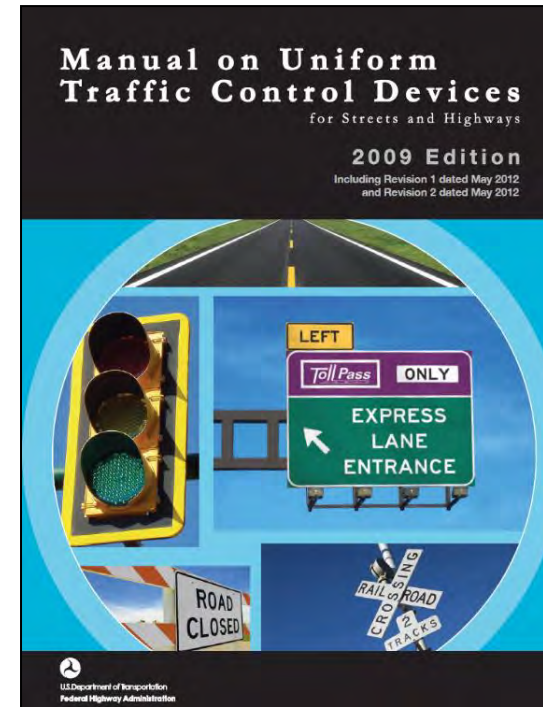
TTC – SAFETY TRAINING – LEVEL 3

The purpose of this course is to train designers and reviewers on proper TTC planning, design, and assessment and to stay current on the latest information to provide safe and consistent TTC throughout PA

TEMPORARY TRAFFIC CONTROL SAFETY

DESIGNERS AND REVIEWERS

JANUARY 2022, VERSION 1



TTC – SAFETY TRAINING – LEVEL 3

1. Establish the safety of the traveling public and workers as the foundational principle for all TTC related activities.
2. Locate and apply regulation/guidance documents for TTC including Pub. 213, national guidelines, and PennDOT/PTC specific guidance.
3. Understand the Transportation Management Plan process and how to develop one.
4. Demonstrate knowledge of the TTC planning and design process and key design considerations.
5. Learn how to develop and review TTC plans in accordance with PennDOT/PTC requirements.



TTC – SAFETY TRAINING – LEVEL 3

Day One

- Module 1: Introduction
- Module 2: Manuals and References
- Module 3: Fundamental Principles
- Module 4: Human Factors
- Module 5: Components of TTC
- Module 6: Traffic Control Device

Day Two

- Module 7: Types of TTC Activities
- Module 8: Transportation Management Plan
- Module 9: Design Considerations
- Module 10: TTC Plans and Specifications
- Module 11: Other TTC Considerations
- Module 12: Review
- Course Assessment



2021 PRO-TIER ONE (FHWA)

OS-600 (12-15)



MEMO

DATE: June 9, 2021

SUBJECT: PennDOT/FHWA Program Review Oversight

TO: Brian McNulty, P.E., District Executive, Engineering District 1-0
Christopher Kufro, P.E., Acting District Executive, Engineering District 5-0
Michael Rebert, P.E., Acting District Executive, Engineering District 6-0
Thomas Prestash, P.E., District Executive, Engineering District 9-0

FROM: T Jay Cunningham, P.E., Acting Director
Bureau of Maintenance and Operations *T Jay Cunningham, P.E.*

As part of the PA Department of Transportation's (PennDOT) Stewardship Agreement with the Federal Highway Administration (FHWA) the Department is to perform a Program Review Oversight (PRO) Tier 1 (formerly an Independent Oversight Program (IOP)) every two (2) years. PennDOT worked with FHWA to evaluate and select projects, which were last evaluated in 2014, located in Districts 1, 5, 6, and 9.

The PRO Tier 1 team will include representatives from the Bureau of Maintenance and Operations, the Bureau of Project Delivery, the PA Turnpike Commission, and FHWA. The PRO Tier 1 Team will complete the following:

- 2021 PRO Tier 1 Evaluation Plan – Attachment outlines how the evaluation will be completed.
- Project Identification – The evaluation team will identify one project in each District and notify the District Work Zone Manager one (1) week prior to the review being completed.
- Field Virtual Reviews – One team member will record a field evaluation of the work zone so that it can be reviewed by the other Evaluation/Review team members independently. Department COVID-19 protocols will be followed with field interactions occurring either through conference calls or in person with proper social distancing and masking protocols in place. District staff is encouraged to attend the virtual meetings that will be held to discuss the team's comments. These meetings will be coordinated and scheduled through the District Work Zone Manager.
- Closeout Meeting – After completing the District field reviews, the Evaluation/Review Team will conduct a closeout conference with appropriate District Executive Staff and designees, to discuss the findings.
- 2021 PRO Tier 1 Report – A formal report will be written by FHWA and submitted to PennDOT in November 2021.

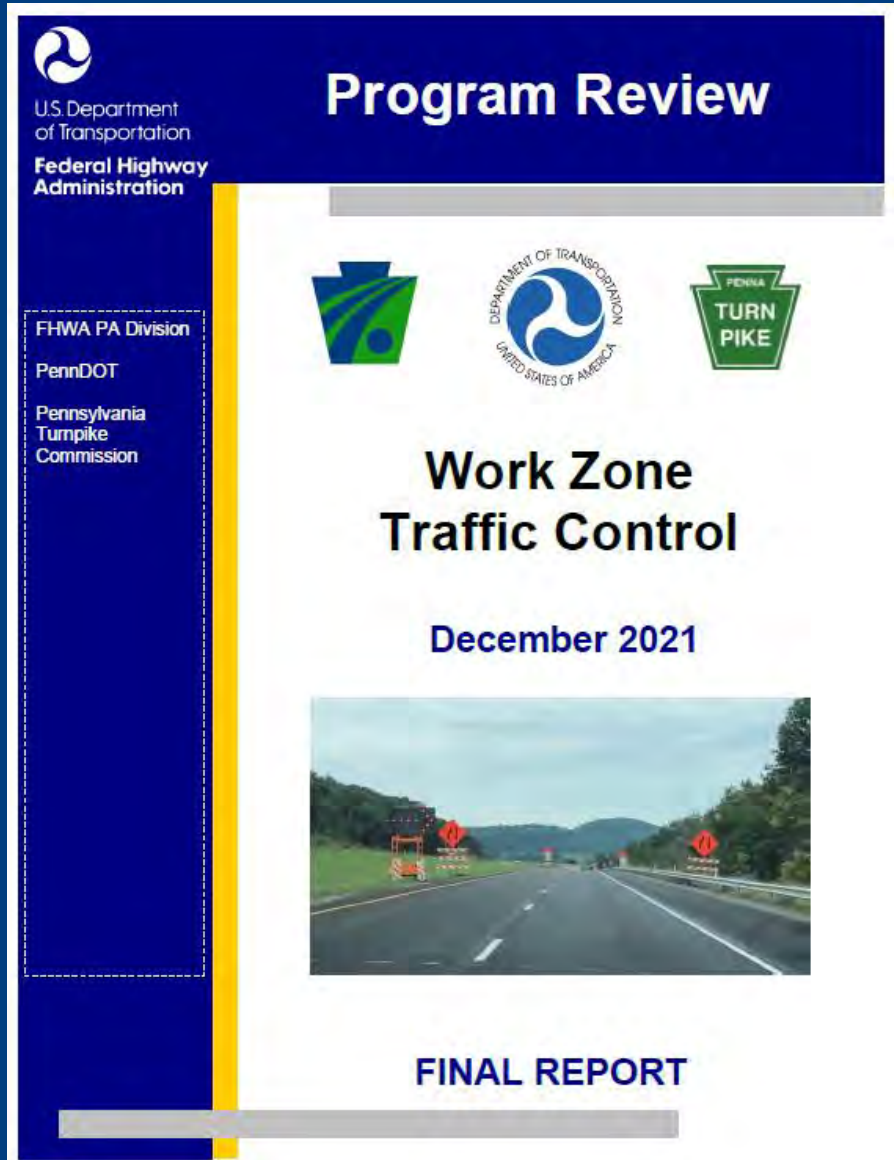
Should you have any questions or require additional information, please contact Daniel Farley, P.E., Chief, Traffic Operations Deployment and Maintenance Section, at 717.783.0333.

Attachment

- Federal requirement conducted every two years with FHWA and PennDOT to review work zone practices holistically.
- Four (4) PennDOT District projects and one (1) PA Turnpike project reviewed.
- Work zone reviews, policy and standard reviews and all meetings were held virtually.



2021 PRO-TIER ONE (FHWA)



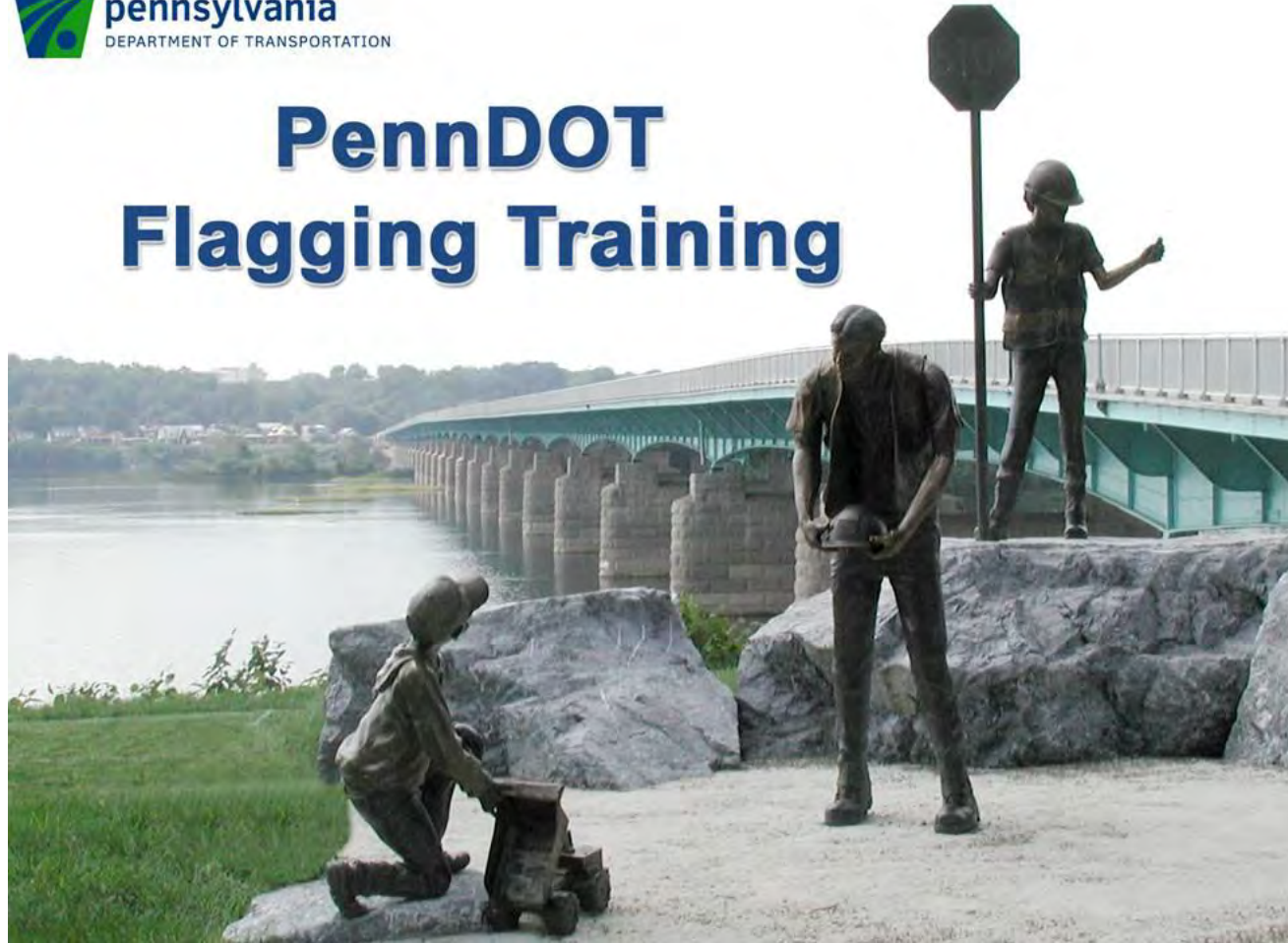
Six (6) observations noted in final report

- Expand official work zone QA evaluation requirements on all projects.
- Ensure that overlapping or conflicting signs due to adjacent projects are better addressed.
- Better documentation in developing of Traffic Control Plans (TCP), Transportation Management Plans (TMPs) and the like.
- Rolling Slow-Down/Stop policy and practices.
- Completed Capability and Maturity Framework assessment to evaluate policies and procedures.
- Improve Commercial Motor Vehicle (CMV) safety in WZ.

FLAGGER TRAINING UPDATE



PennDOT Flagging Training



FLAGGER TRAINING UPDATE

- Training content to only relevant flagger information.
- Information easier to understand.
- One module rather than multiple (no longer 7 modules).
- Completion time about 60 minutes (Previously 90 minutes).



PUBLICATION 213 ANNUAL UPDATE

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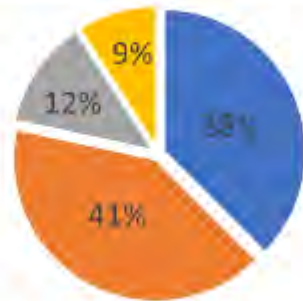


- Less than twenty (20) minor updates/modifications.
- Based on comments, feedback, observations reported from the field.
- Reviewed and agreed upon by Publication 213 working group.
- Clearance Transmittal (CT) T-21-006 currently out DUE FEB. 1st.



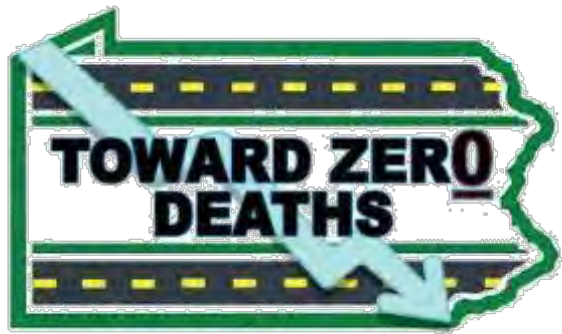
AUTOMATED WORK ZONE SPEED ENFORCEMENT

Number of Deployments



- Total Recon
- Roadway Mill/Fill
- Bridge
- Maintenance





Work Zone Fatalities in PA



RESULTS:
Excessive Speeds (>11 mph)
8% April 2020
3% October 2020



AUTOMATED WORK ZONE SPEED ENFORCEMENT

	2020			2021		
	 pennsylvania DEPARTMENT OF TRANSPORTATION	 PENNA TURN PIKE	Program Totals	 pennsylvania DEPARTMENT OF TRANSPORTATION	 PENNA TURN PIKE	Program Totals
	Data through 9/30/2021					
Number of Deployments	1,298	786	2,084	1,703	771	2,474
Violations per Deployment	92	127	105	117	178	136
Total Violations Issued	119,099	100,135	219,234	198,465	137,182	335,647
% of First Time Violations	88%	87%	87%	84.1%	85.6%	84.7%
% with 2 Violations	9%	9%	9%	11.1%	10.1%	10.7%
% with 3 or more Violations	4%	4%	4%	4.8%	4.3%	4.6%



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