### Current Criteria: [CourseName]CONTAINS(tci)

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description/Summary</th>
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<tbody>
<tr>
<td>TA-TCI During Project Overview</td>
<td>Independent Study Course</td>
<td>This course provides an overview of the typical daily, weekly, and operation-specific duties of a construction inspector. <strong>Learning Objectives:</strong> * List typical daily activities of an inspector in a field office. * List typical weekly activities. * List typical operation-specific activities. * List documentation requirements for inspections. <strong>Outline:</strong> I. Introduction II. Daily Activities III. Weekly Activities IV. Operation-Specific (as needed) Activities V. Summary  <strong>Length of Recording:</strong> 22:36 minutes</td>
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<tr>
<td>TA-TCI Maintenance and Protection of Traffic</td>
<td>Independent Study Course</td>
<td>This course focuses on how to make sure any job site a construction inspector is working on is safe for the traveling public and for the crews who will be working there. <strong>Learning Objectives:</strong> * Explain the importance of Maintenance and Protection of Traffic (MPT) and the inspector’s role in reviewing and documenting it. * Describe how the contract documents and Publication 213 are used by an inspector for MPT inspections. * Describe the key components of the CS-901 Form. * Explain MPT checks and changes and the inspector’s role in each. * Relate the significance of Special Provisions. * Describe the function of several common MPT devices, including Short-Term versus Long-Term Equipment and Signs. <strong>Outline:</strong> I. Introduction II. Role of the Inspector III. Project Documents IV. Penalties V. Common Devices and MPT Summary VI. Summary  <strong>Length of Recording:</strong> 28:56 minutes</td>
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<tr>
<td>TA-TCI Plans Reading</td>
<td>Independent Study Course</td>
<td>This course provides an overview of how to read the various types of construction plans that a construction</td>
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Learning Objectives:
- Describe the importance of plans on the job;
- Describe Contract Plans and Standard Drawings;
- Identify drawing views and types of plans;
- Describe stationing, segments and offsets; and
- Describe how to interpret information from the plans.

Outline:
I. Introduction
II. Plans
III. Plan Basics
IV. Types of Plans
V. Plan Navigation
VI. Summary

Length of Recording: 35:53 minutes

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<th>Independent Study Course</th>
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<tr>
<td><strong>Learning Objectives:</strong></td>
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<tr>
<td>* Specify contractor and inspector roles in Final Inspection;</td>
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<tr>
<td>* Explain how to finalize project quantities;</td>
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<tr>
<td>* Describe “As-builts” and their purpose; and</td>
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<tr>
<td>* Identify the elements of a complete project file.</td>
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Outline:
I. Introduction
II. Final Inspections
III. Balancing and Finalizing Project Quantities
IV. As-builts
V. Elements of a Complete Project File
VI. Summary

Length of Recording: 15:38 minutes

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<td><strong>Learning Objectives:</strong></td>
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<td>* Explain what a schedule means in the context of the job.</td>
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<td>* Describe the three types of schedules that may be submitted.</td>
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<tr>
<td>* Explain what a monitoring chart is and how it is used.</td>
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<tr>
<td>* Read an updated monitoring chart.</td>
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<tr>
<td>* Update a monitoring chart.</td>
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Outline:
I. Introduction
II. Scheduling
III. Types of Schedules
IV. Monitoring the Schedule by Updating the Monitoring Chart
V. Summary
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<th>Course Description</th>
<th>Length of Recording</th>
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| **TA-TCI Publications, References, and Software** | This course walks through some of the publications and software that a construction inspector will need on a construction project. **Learning Objectives:**  
* List the major publications used by an inspector and note the uses of each.  
* Describe the interrelationships and interactions among publications.  
* Explain the importance and impacts of versioning.  
* Describe two important software applications used on construction projects.  
**Outline:**  
I. Introduction  
II. Publication 408 and Publication 8  
III. Other Publications and Versioning  
IV. Software Applications  
V. Summary | 25:33 minutes |
| **TA-TCI Safety** | This is a self study course that will provide an overview of safety as it relates to a construction inspector in Pennsylvania on a PennDOT project. This course is part of a series of TA-TCI self study modules intended for new inspectors with 0-1 year of experience on a PennDOT project. **Learning Objectives include:**  
- Explain the importance of safety.  
- Describe common safety hazards.  
- Explain safety roles and responsibilities.  
- Describe correct safety procedures on the project site  
In order to receive credit for completion of the module, the participant must pass a final quiz built into the module and follow the instructions to submit their results to PennDOT.  
PennDOT employees should also watch the *PennDOT Safety Partnership Agreement* video. This can be found on the Technical Training Calendar by searching on the word "safety" or listed under Independent Study courses. | 26:50 minutes |
| **TA-TCI Project Setup** | This is a self study course that will provide an overview of the procedures used to setup a new field office for a PennDOT project. This course is part of a series of TA-TCI self study modules intended for new inspectors with 0-1 year of experience on a PennDOT project. **Learning Objectives include:**  
- Review the purpose of the field office.  
- Present the source and purpose of the job box. | 34:16 minutes |
- Identify the process used to establish the filing system based on the job box contents.
- List the minimum documentation required for a field office to operate.
- Explain the procedure used to obtain missing documents during setup.

In order to receive credit for completion of the module, the participant must pass a final quiz built into the module and follow the instructions to submit their results to PennDOT.

### TA-TCI Math for Measurement and Payment

**Independent Study Course**

This is a self study course that will provide an overview of mathematical operations one will need to apply on the job as a construction inspector. This course is part of a series of TA-TCI self study modules intended for new inspectors with 0-1 year of experience on a PennDOT project.

**Learning Objectives include:**
- To explain why construction inspectors perform calculations
- To explain the units of measure commonly used by an inspector for documentation and payment.
- To explain rounding concepts and decimal measures used on a PennDOT construction project.
- To explain calculations and demonstrate how to apply them.

In order to receive credit for completion of the module, the participant must pass a final quiz built into the module and follow the instructions to submit their results to PennDOT.

**Length of Recording:** 15:04 minutes

### TA-TCI Material Sampling

**Independent Study Course**

This is a self study course that will provide an overview of the procedures one will use to sample and testing materials on a PennDOT project. This course is part of a series of TA-TCI self study modules intended for new inspectors with 0-1 year of experience on a PennDOT project.

**Learning Objectives include:**
- Relate the importance of sampling and testing.
- List materials that must be tested.
- Describe lab and field testing procedures.
- Specify contractor and inspector roles in materials sampling and testing.
- Describe random sampling and its importance in sampling and testing.
- List the forms used in sampling and testing.

In order to receive credit for completion of the module, the participant must pass a final quiz built into the module and follow the instructions to submit their results to PennDOT.

**Length of Recording:** 27:12 minutes

### TA-TCI Introduction

**Independent**

This is a self study course that will provide an overview of
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<tr>
<td><strong>to Documentation</strong> Study Course</td>
<td>The documentation one will use as a construction inspector in Pennsylvania on a PennDOT project. This course is part of a series of TA-TCI self study modules intended for new inspectors with 0-1 year of experience on a PennDOT project. Learning Objectives include: -To explain the key documentation types and their functions on the project. -To explain document management requirements on project sites. -To describe audit trails and the ways in which key documents are related to one another. -To list negative consequences of failing to document properly. In order to receive credit for completion of the module, the participant must pass a final quiz built into the module and follow the instructions to submit their results to PennDOT.</td>
<td>18:04 minutes</td>
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<tr>
<td><strong>TA-TCI Inspection Overview</strong> Independent Study Course</td>
<td>This is a self study course that will provide an overview of inspection as it relates to a construction inspector in Pennsylvania on a PennDOT project. This course is part of a series of TA-TCI self study modules intended for new inspectors with 0-1 year of experience on a PennDOT project. Learning objectives include: -To list the inspector’s key roles and responsibilities. -To list required, allowed and prohibited activities. -To describe the elements of the Responsibility Model. -To itemize issue escalation tasks and processes. -To describe the process for resolving ethical issues common to inspection. -To explain the importance and effects of relationships with contractors, PennDOT, and the public. In order to receive credit for completion of the module, the participant must pass a final quiz built into the module and follow the instructions to submit their results to PennDOT.</td>
<td>26:34 minutes</td>
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