

# Training at ODOT

October 2011

## Inspection Certification Program

ODOT has scheduled a series of training classes for the Inspection Certification Program. The purpose of the Inspection Certification Program is to provide adequate training and resources for Construction Inspectors and to ensure consistent administration of highway construction contracts. The monitoring of construction activities by Certified Inspectors will promote industry best practice and will help to ensure quality materials and workmanship on ODOT construction projects.

The Inspection Certification Program is for all construction field personnel who inspect Highway Projects. Training classes for Inspection Certification are available in the following areas: Traffic Signal Inspection, Bridge Construction Inspection, Environmental and Erosion Control, Drilled Shaft Inspection, General Construction Inspection and HMAC Inspection.

Information about classes that are currently available for enrollment is included in this announcement. As part of each class, there will be an examination that, when passed, will result in a certification for that area.

## Challenge Exams

You may also choose to challenge the exam process by studying the material on your own and passing the exam to become certified. Information about the challenge exams are on the ODOT Highway Construction Section website at:

[http://www.oregon.gov/ODOT/HWY/CONSTRUCTION/inspector\\_cert.shtml](http://www.oregon.gov/ODOT/HWY/CONSTRUCTION/inspector_cert.shtml)

## Cancellation Policy

You must cancel at least 11 working days prior to the event. No refund will be made when cancellation occurs with 10 working days or less remaining before the conference.

## Dates, Locations, Fees and Registration

For dates, locations, fees, and to register for training, click on the following link or paste the link into your browser address line:

<https://www.surveymonkey.com/s/InspectorCertificationRegistration2012>

## Payment Method

VISA, Master Charge Cards, and checks will be accepted for payment.

***NO PURCHASE ORDERS WILL BE ACCEPTED.***



## Contact Information

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## **CERTIFIED TRAFFIC SIGNAL INSPECTOR (CTSI)**

This training provides Traffic Signal Field Inspectors with current policies, procedures, and specifications. **TOPICS:** Field Inspectors Manual For Signal Construction; Basic Signal Design; Reading Plans and Specs; Materials Qualification. ***The certification is good for 3 years.***

## **CERTIFIED TRAFFIC SIGNAL INSPECTOR (CTSI): RECERTIFICATION**

The Certified Traffic Signal Inspector re-certification training is designed as the re-certification program for inspectors who inspect traffic signal installation. Inspectors that have been previously certified will need to be re-certified every **THREE** years. The one-day program covers current policies, procedures and specifications. Only those people who pass the examination at the end of the course will be re-certified. People who need to be re-certified have the option of attending this course or the two-day Signal Inspector Certification course. People with certifications that have been expired for over one year will need to attend the longer two-day course. **TOPICS:** Review of "Field Inspectors Manual For Signal Construction"; Basic Signal Design; Reading plans and specifications; Materials Qualification.

## **BRIDGE CONSTRUCTION INSPECTOR (CBCI)**

**(Class Name: Bridge Construction Inspection Certification)**

The purpose of this class is to train employees to inspect bridges as they are being constructed or modernized for quality and compliance with specifications. This class will also insure statewide consistency of inspection procedures and product quality. The Bridge Construction Inspection course provides the basic information needed for new inspectors on bridge projects. After successful completion of the course and the associated exam, the participant will be certified as a Bridge Construction Inspector. ***The certification is good for 5 years.*** **TOPICS:** Inspector's Authority and Responsibility; Introduction to Structures; Quality Concrete; Reinforced Concrete; Preconstruction Preparations; Basic Concrete; Placement; Basic Concrete Postplacement Activities; Introduction to Bridge; Foundations; Driven Piles; Drilled Shafts; Wet Foundations; Substructures; Prefabricated Girders; Cast-in-place Girders; Deck Construction.

## **EROSION AND SEDIMENT CONTROL FUNDAMENTALS**

The purpose of this training is to share knowledge to implement temporary and permanent - Erosion and Sediment Control (ESC) measures on highway construction projects to minimize/prevent erosion.

## **ENVIRONMENTAL AND EROSION CONTROL INSPECTOR**

Inspectors will be trained evaluate and document general environmental issues on highway projects as well as erosion and sediment control work that has been completed by contractors. **TOPICS:** Inspector Requirements for Erosion and Sediment Control; Natural Environment; Cultural Environment; Hazardous Materials; Built Environment. ***It is highly recommended that you attend the Erosion and Sediment Control Fundamentals before you attend this training to ensure success on the certification exam. The certification is good for 5 years.***

## **CERTIFIED HMAC INSPECTION (HMAC)**

**(Class Name: Certified Hot Mix Asphalt Construction (HMAC) Inspection)**

HMAC Inspection training provides each participant with information and tools to be an effective HMAC inspector. Attention will be focused on items that can be inspected that are critical to the performance of HMAC and necessary for fulfilling contract documentation requirements. TOPICS: Paving Specifications Review; Quantity Calculations and Tracking; Pre-Paving Conferences; Paving Pull Layout; Surface Preparation; Trucking/Delivery; Laydown Operations; Workmanship; Joints; Compaction; Acceptance Testing; Daily Reports. ***The certification is good for 5 years.***

## **GENERAL CONSTRUCTION INSPECTOR (CGCI)**

This is the entry-level training for the ODOT Inspection Certification Program. The purpose of this class is to provide Inspectors with the tools and resources to insure that projects are constructed in accordance with the Contract Plans and Specifications. This training focuses on Inspector Roles and Responsibilities, Contract Administration, General Contract Provisions, and inspector expectations.

Persons who successfully complete this training and certification examination will receive a General Construction Inspector certification that is ***valid for five years from the date of issue***. All persons performing inspection on ODOT Commissioned Service Contracts are required to be certified as a General Construction Inspector by April of 2007.

## **DRILLED SHAFT FOUNDATION INSPECTION**

The goal of the course is to provide drilled shaft foundation inspectors with practical knowledge and standard industry practices for the inspection of drilled shaft foundation construction. This course is designed to be of most benefit to foundation inspectors, who are responsible for or involved in providing inspection of drilled shafts during construction. ***The certification is good for 5 years.***