



# TCCC GPS Technology

## Web-based Training

This training was prepared by the Transportation Curriculum Coordination Council (TCCC) in partnership with NHI to review Global Positioning System (GPS) technology. GPS technology is becoming a commonly used tool for construction and maintenance. This training will provide the participant with a general understanding of GPS and the accuracy that can be obtained with this new technology. GPS is used for surveying, rough and fine grading, utility locations, excavation and grading, paving, and a number of other uses.

In this training, the participant will learn what advantages are gained using this technology and how these advantages are transferred to government agencies and the end user. The understanding of GPS is essential to technicians when performing inspection and maintenance job functions. This training was developed from the FHWA Field Engineer's Workshop in April 2007, held in Albuquerque, NM.

**OUTCOMES:** Upon completion of the training, participants will be able to:

- Define GPS
- Describe the levels of GPS accuracy
- Explain how GPS is used in construction today
- Identify the advantages to contractors that use GPS
- Identify the challenges faced by contractors and government agencies adopting this new technology

**TARGET AUDIENCE:** This training is designed for FHWA, State, and Local Agencies and their industry counterparts that are currently using or will be adopting this new technology. It is applicable to anyone desiring a better understanding of Global Positioning Systems.

**TRAINING LEVEL:** Beginner

**LENGTH:** 1 hour

**CEU:** 0 Units

**FY 2008 FEE:** FREE

**REGISTRATION:** Register online at [www.nhi.fhwa.dot.gov](http://www.nhi.fhwa.dot.gov). If you are a new NHI Web site user, complete the user profile to create a User ID and password. Once you login, add the course to your shopping cart and proceed to checkout. When the checkout process is completed, you will receive an e-mail with instructions for accessing this Web-based Training.

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Check out the following Web-based training workshops that were developed in partnership with the Transportation Curriculum Coordination Council (TCCC):  
FHWA-NHI-131110 TCCC Pavement Preservation Treatment Construction  
FHWA-NHI-134069 TCCC Ethics Awareness for the Transportation Industry  
FHWA-NHI-134071 TCCC Basic Construction and Maintenance



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