

**COURSE NUMBER**

FHWA-NHI-131110C

**COURSE TITLE**

Asphalt Pavement Preservation Treatment: Crack Sealing & Filling, and Joint Sealing

This training is part of the “Asphalt Pavement Preservation Treatment” series and is designed to provide participants with information on crack sealing, crack filling, and joint sealing of flexible and rigid pavements. Topics include: working and non-working cracks, fatigue and longitudinal cracks, correct temperatures for crack sealant, crack repair sequence, hot sealant, and crack sealing or filling criteria. This course is primarily intended for inspectors and technicians.

This training draws on the Pavement Preservation Treatment Construction Guide (PPTCG), which was created by FHWA, in partnership with Caltrans, the National Center for Pavement Preservation, and the Transportation Curriculum Coordination Council (TCCC) as a resource for agency and industry pavement preservation practitioners. It provides information on basic pavement preservation concepts and the different treatments available and how they should be applied, so agencies can make informed decisions when determining which treatments best fit their pavement preservation needs. The training is primarily targeted at individuals unfamiliar with pavement preservation policy and technical information.

To take the entire series of trainings for the PPTCG, access the NHI website and register for NHI-131110.

OUTCOMES

Upon completion of the course, participants will be able to:

- Describe the difference between a working crack and a nonworking crack.
- List the types of distresses that crack sealing, crack filling, and joint sealing treatments will repair.
- Describe how proper storage and handling of sealants and fillers affect their constructability and performance.
- Describe the procedure of repairing surface cracks and rigid joints.
- Identify common problems associated with crack sealing, crack filling, and joint sealing treatments and recognize their solutions.
- List the capabilities and limitations of crack sealing, crack filling, and joint sealing treatments.

TARGET AUDIENCE

The primary audience for the Pavement Preservation Treatment Construction WBT course is Federal, State, and local highway construction and maintenance teams, specifically the highway workers and inspectors involved in the placement of pavement preservation treatments. Although not in the primary audience, design engineers will also benefit from the online guide and the associated training. The training course is primarily targeted at individuals unfamiliar with pavement preservation policy and technical information.

TRAINING LEVEL: Intermediate

FEE: 2018: \$25 Per Person; 2019: N/A

LENGTH: 1 HOURS (CEU: 0 UNITS)

CLASS SIZE: MINIMUM: 1; MAXIMUM: 1

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