

# Highway Materials Engineering Course

- **Applications Due September 1, 2016**
  - HMEC-2017 is last scheduled course offering
  - FHWA funding covers tuition costs
  - States cover travel costs for their participants
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- Eight modules covering a broad range of materials
  - Web-based, Instructor Led, and Hands-on Lab training elements
  - In-class training: 1/30/17 thru 2/10/17 and 3/6/17 thru 3/17/17
  - Classroom & Lab training sessions at AMRL in Frederick, MD



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More information: web search “FHWA HMEC” or

<http://www.fhwa.dot.gov/pavement/materials/hmec/announcement.cfm>



U.S. Department of Transportation  
**Federal Highway Administration**



# LTPP Climate Tool

- LTPP Climate Tool has been implemented on the LTPP InfoPave TOOLS hub which utilizes multiple data presentation options including climatic maps and graphs. A climatic map is presented on the user interface to visualize MERRA climatic data (Modern-Era Retrospective Analysis for Research and Applications developed by the National Aeronautics and Space Administration) for temperature, precipitation, humidity, solar, and wind.

# LTPPBind

- LTPPBind Online is a web-based tool to help highway agencies to select the most suitable Performance Grade (PG) binder for a particular site based on the AASHTO M320-10 and AASHTO M332-14 standards. Algorithms for high and low temperature are the same as LTPPBind 3.0/3.1 according to AASHTO M323-13. LTPPBind Online allows use of MERRA climatic data, LTPP climatic data, or user data for asphalt binder grade calculations.

# InfoPave

- [WWW.infopave.fhwa.dot.gov](http://WWW.infopave.fhwa.dot.gov)