

Moisture Impacts on Pavement Performance

June 29, 2011



No Recording Available

Moisture accumulation in any pavement structural layer can cause problems. Moisture may weaken the subgrade and aggregate base layer by increasing pore pressure and reducing the materials' resistance to shear. Proper subsurface drainage is important to ensure a high-quality, long-life pavement. Surface drainage and subsurface drainage can prevent moisture from entering the pavement structure or accumulating in the subgrade. Presenters will discuss the impacts of moisture-related distresses caused by moisture on in-service pavements and will cover key design, construction, and maintenance practices that optimize performance.

Learning objectives for this webinar:

The participants gain an understanding of the impacts of moisture on in-service pavements, including the sources of moisture intrusion and potential effects on pavement performance. Participants should be able to evaluate their existing subsurface drainage criteria for pavement design and identify areas to improve design and construction practices. Participants will be shown the impacts of poor maintenance practices on subsurface drainage systems.

Panelists for this webinar include:

Tom Burnham, Minnesota Department of Transportation

Andy Gisi, Kansas Department of Transportation

Clark Graves, Kentucky Transportation Center

Moderated by: Maureen Jensen, Minnesota Department of Transportation