

Best Practices CONSTRUCTING AND SPECIFYING LONGITUDINAL JOINTS WORKSHOP

CALENDAR YEAR
Starting in 2012

LENGTH
½- Day

PDH
3.5

FEE
FREE

DESCRIPTION:

This Federal Highway Administration (FHWA) workshop is designed to provide staff members involved with the specification and construction of asphalt pavements with the latest information on longitudinal joints (LJs) and how to ensure the best chance of obtaining performance equal to that achieved with asphalt pavement mat.

The workshop is a result of a recent joint-FHWA-Asphalt Institute project that took an in-depth look at completed work in this area and how LJs are currently being specified and constructed across the United States. The comprehensive look included a literature and specifications review; a survey of all the FHWA Division Offices; focused interviews with 19 well-known paving experts; and site visits with some of the more pro-active States with respect to research and specifications of LJs. Research has shown there is a definite relationship between density, permeability, and pavement performance. A goal of this project was to search for consensus on how best to specify and construct LJs. In conducting the project, it became quite evident there is currently a wide disparity among the States with respect to their construction and specification requirements, and in many cases there are significant opportunities for improvement.



Learn the various effective schools of thought on rolling patterns



First Pass Must Be Straight! Unanimous that a string-line should be used to assure first pass is straight

This workshop covers recommendations gained through this project that are aimed at improving LJ performance, including:

- mix selection
- design and planning considerations
- alternative techniques and materials for consideration
- preferred specification methodology
- best practices for constructing LJs

Examples of successful State initiatives to increase density and improve performance, and strategies for further implementation efforts are also covered.



At least one contractor said you'd be surprised how often the vibratory screed gets turned off in actual practice. Keep it on!

OUTCOMES:

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

- Identify the best practices for specifying Longitudinal Joints.
- Identify the best practices for constructing Longitudinal Joints.
- List strategies that could be employed by agency decision-makers to increase density and improve performance of the joint.
- Identify some resources to further implement best practices into standard practice.



Keeping the rollers close to the paver is always important, it is critical when the weather turns cool/cold.

TARGET AUDIENCE:

- Decision-makers at the Federal, State, and local government level of owner agencies that are responsible for specifications and overall project acceptance are ideal participants, since they can certainly provide a forum for further implementation efforts.
- In addition, paving contractors who are responsible for adopting the construction best practices should attend, since they need to understand the reasoning behind any proposed specification changes.

The Ultimate successful adoption of these improvements will need to be a team effort, thus both agencies and contractors are the target.