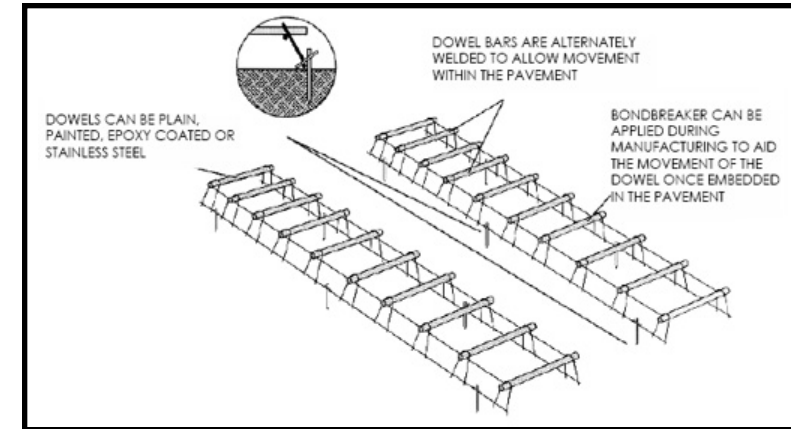
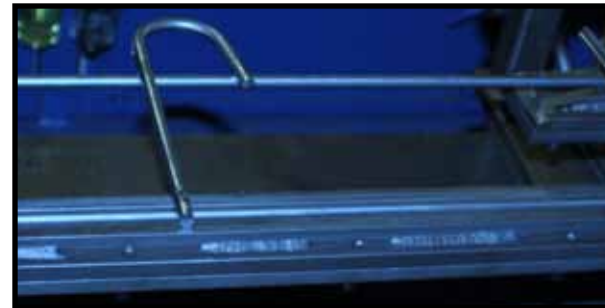


PAVING TECHNOLOGIES





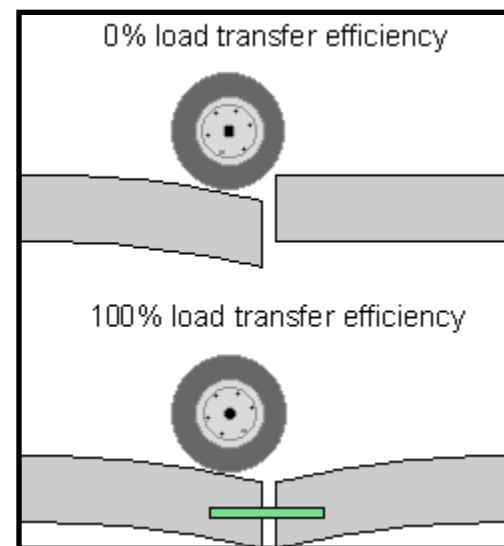
LOAD TRANSFER PRODUCTS

- Welded Dowel Assemblies
- Wire Baskets
- Basket Stakes
- Dowel Bars
- FS Stakes
- Tie Bar Assemblies

BEST IN PRODUCT, SERVICE AND SUPPORT

DBB provides the best product, service and support for all of your dowel, bar, basket needs. A dowel basket is a simple truss structure used to hold dowel bars at the appropriate height before PCC placement. Typically, dowel baskets span an entire lane width and are fabricated from thick gauge wire. They are left in place after the PCC is placed but do not contribute to the pavement structure.

When using dowel baskets, the dowels must be properly aligned and the dowel basket firmly anchored to the base course. The FHWA recommends that the dowel baskets be secured with steel stakes with a minimum diameter of 8 mm (0.3 inches) embedded at least 100 mm (4 inches) in stabilized bases, 150 mm (6 inches) in treated permeable bases and 250 mm (10 inches) for untreated bases or subgrade. Further, a minimum of 8 stakes per basket is recommended.



DOWEL BAR RETROFIT TECHNOLOGY

Retrofitting dowel bars is a method to reestablish load transfer across joints or cracks. It requires cutting slots across each joint to house new dowel bars.

The underlying purpose of retrofitting dowel bars is to repair faulted joints or cracks and prevent recurrence of the faults. However, if the faulted joints or cracks are already badly spalled, retrofitting dowels is not recommended, and full- or partial-depth patching is necessary.

Load transfer refers to the ability of a joint to transfer a portion of a load applied on one slab to an adjacent slab. The higher the load transfer, the more evenly a load near a joint is distributed to the subbase and subgrade. This usually translates into better pavement performance. Poor load transfer generally leads to faulting, pumping, corner breaks, or spalling.





Dowel Bars and Baskets



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