

FLORIDA DEPARTMENT OF TRANSPORTATION APPROVES THE USE OF NON-REINFORCED CONCRETE PIPE

The Florida Department of Transportation (FDOT) has joined many other State Department of Transportations across the country (see map on 2nd page) in approving the use of non-reinforced concrete pipe on State projects.

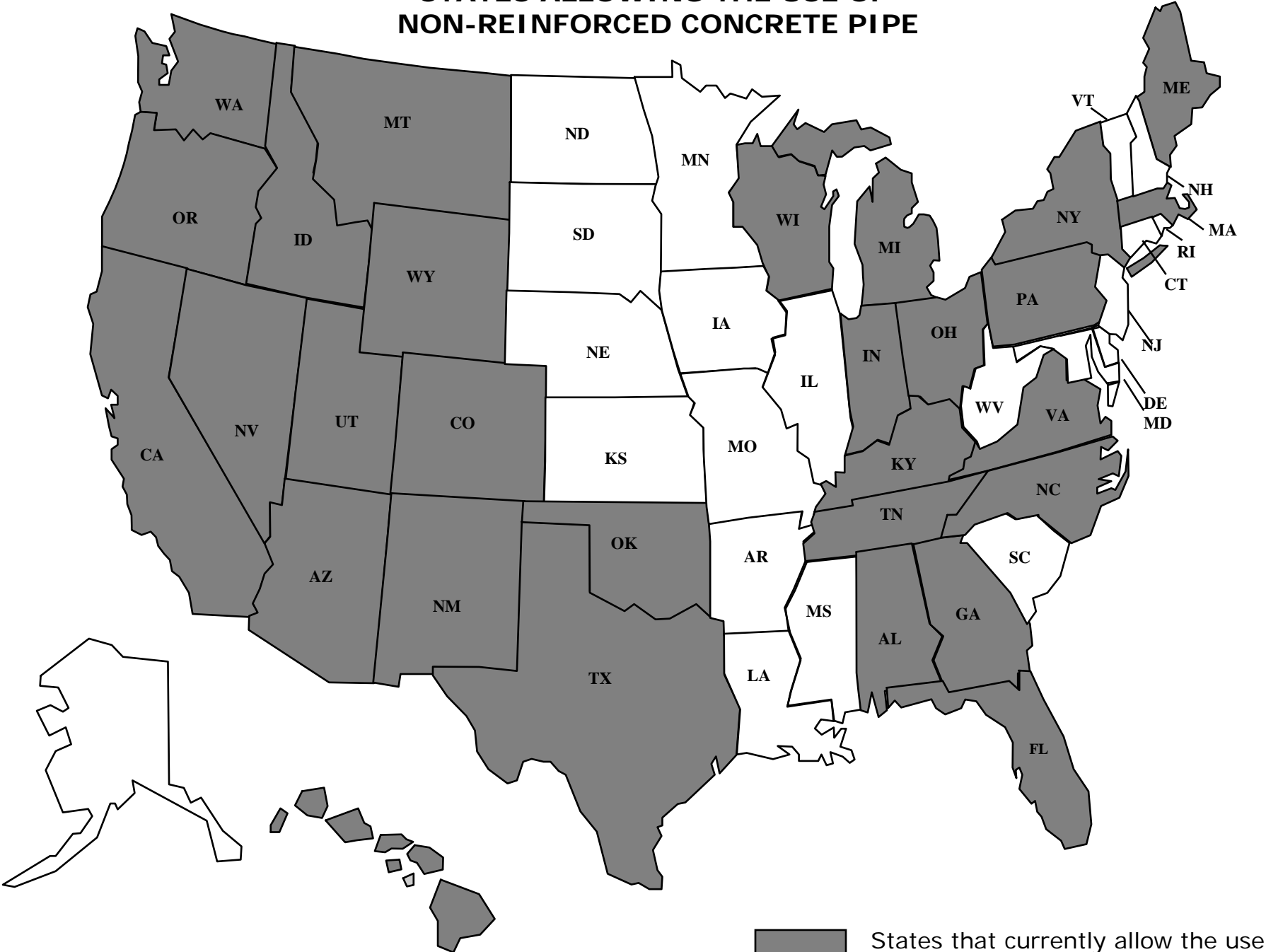
FDOT Standard Specifications for Road and Bridge Construction Section 941 Concrete Pipe, Subsection 941-1.2 states:

"At the Contractor's option non-reinforced pipe up to and including 900 mm in diameter, may be used in place of reinforced concrete pipe designated Class S, Class I, Class II, Class III, and Class IV. Non-reinforced pipe shall meet the requirements of ASTM C 985 and the ultimate D-Loads given on the Roadway and Traffic Design Standards, Index Number 205. Such pipe shall be properly marked."

The extensive evaluation process for this product involved numerous Engineers and Departments within the Florida DOT. The evaluation started with seminars to establish the history behind non-reinforced pipe and the design methodology used for this product. Test pipe was then manufactured and installed at the Rinker Materials Orlando facility. This test installation was witnessed by over 20 Florida DOT officials. In view of Florida's concern for low fill conditions, typical of the Florida market, the test project was constructed by a local contractor to meet FDOT requirements. The pipe was subjected to repeated live loads by a truck loaded to the maximum AASHTO HS20 load requirements, passing over the installation. The pipe was then removed and inspected and found to be in excellent condition.

Following the successful test installation, non-reinforced pipe was approved for use on the Pembroke Road project in Miami. This pipe installation was inspected and monitored by FDOT personnel. After approximately 6 months of monitoring to confirm that the pipe was meeting or exceeding their expectations, non-reinforced pipe was approved for inclusion in the standard specifications for the Florida Department of Transportation.

STATES ALLOWING THE USE OF NON-REINFORCED CONCRETE PIPE



States that currently allow the use of non-reinforced concrete pipe.