



## *Florida Department of Transportation*

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### **ICYMI: FLORIDA DEPARTMENT OF TRANSPORTATION WINS TENTH CONSECUTIVE PERPETUAL PAVEMENT AWARD**

**TALLAHASSEE, Fla.** - The Asphalt Pavement Alliance (APA) announced today that the Florida Department of Transportation (FDOT) has won a Perpetual Pavement Award (PPA). The 2019 award is for a 9.4-mile section of a six-lane roadway on Interstate 95 in St. Johns County. FDOT has won a PPA every year since 2010.

To qualify for this prestigious award, a pavement must be at least 35 years old and never experienced a structural failure. The average interval between the resurfacing of the winning pavement must be no less than 13 years. The pavement must demonstrate the characteristics expected from long-life asphalt pavements: excellence in design, quality in construction and value for the traveling public.

Engineers at the National Center for Asphalt Technology (NCAT) evaluated the nominations and validated the winners.

The award-winning section of I-95 was originally constructed in 1964 as a four-lane lane road with paved shoulders. It extends from just south of International Golf Parkway north to the Duval County line (milepost 25.504 to milepost 34.855).

The original project consisted of 12 inches of stabilized subgrade, 10.5 inches of lime rock base, 2 inches of binder course and 1 inch of Type I surface mix. The second stage of construction occurred in 1973 with an overlay of 2 inches of a Type III asphalt mix followed by the placement of a 1-inch wearing course. In 1989, the project was milled 2.5 inches, inlaid with 2.5 inches of Type S structural layer and surfaced with a .5-inch open-graded friction course.

The roadway was milled and resurfaced in 2004, with a lane added on the inside to bring it to six lanes for additional capacity. The existing outside lanes were milled 3.75 inches followed by the placement of a .5-inch asphalt rubber membrane interlayer, 4 inches of Type SP structural mix and a .75-inch layer of open-graded friction course containing ground tire rubber.

Today the road has an average daily traffic (ADT) volume of 96,500 vehicles, including 8.6 percent trucks. Since 1964, I-95 has carried greater than 30 million equivalent single-axle loads (ESAL).

As the resurfacing intervals were at 16 and 15 years (since the construction stage ended), it meets all of the criteria for a PPA.

“The Florida Department of Transportation is honored to receive our tenth Perpetual Pavement Award, and remains dedicated to providing a safe, efficient and innovative transportation system for all Floridians,” said FDOT Secretary Kevin J. Thibault, P.E. “Florida State Road 9/Interstate 95 in St. Johns County is a critical thoroughfare in the state, and this recognition highlights FDOT’s standards for continuing to improve safety and enhance mobility on Florida’s roadways.”

As a winner of a 2019 PPA, FDOT will receive an engraved crystal obelisk, and its name and project will be added to a permanent plaque that is kept at NCAT.

“One of the keys to sustainability is long life,” said Amy Miller, P.E., Executive Director of the APA. “Asphalt roads can be engineered to last indefinitely with only routine maintenance and periodic surface renewal.

“The advantages of these perpetual pavements are significant. Life cycle costs are lower because deep pavement repairs and reconstruction are avoided. User delays are reduced because minor surface rehabilitation requires shorter work windows and can avoid peak traffic hours. And there are environment benefits because minimal rehabilitation, combined with recycling any materials that are removed from the pavement surface, reduces the amount of material resources required over the pavement’s life.”

The Asphalt Pavement Alliance is a coalition of the National Asphalt Pavement Association, the Asphalt Institute and the state asphalt pavement associations. The Asphalt Pavement Alliance’s mission is to establish asphalt as the preferred choice for quality, performance and the environment.

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The Asphalt Pavement Alliance ([www.driveasphalt.org](http://www.driveasphalt.org)) is a partnership of the Asphalt Institute (AI), National Asphalt Pavement Association (NAPA) and the State Asphalt Pavement Associations. The Asphalt Pavement Alliance’s mission is to establish asphalt as the preferred choice for quality, performance and the environment.

The Asphalt Institute ([www.asphaltinstitute.org](http://www.asphaltinstitute.org)) is the international trade association of petroleum asphalt producers, manufacturers and affiliated businesses. AI promotes the use, benefits and quality performance of petroleum asphalt, through engineering, research, marketing and educational activities.

The National Asphalt Pavement Association ([www.asphaltpavement.org](http://www.asphaltpavement.org)) represents the interests of U.S. asphalt producers/contractors before Congress, federal agencies, and other national trade and business organizations. NAPA supports an active research program designed to improve the quality of asphalt pavements and paving techniques used in the construction of roads, streets, highways, parking lots, airports, and environmental and recreational facilities.

The State Asphalt Pavement Associations ([www.asphaltpavement.org/sapas](http://www.asphaltpavement.org/sapas)) represent the interests of asphalt pavement producers and paving companies at the state and local level across the United States.