



The Asphalt Pavement Alliance is a partnership of the Asphalt Institute, National Asphalt Pavement Association, and the State Asphalt Pavement Associations.

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## **SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION WINS 2021 PERPETUAL PAVEMENT AWARD**

The Asphalt Pavement Alliance (APA) announced today that the South Carolina Department of Transportation (SCDOT) has won a 2021 Perpetual Pavement Award: By Performance (PPA) for a 4-mile section of four-lane divided Interstate 95 from mile marker 0 to mile marker 4 in Jasper County that is more than 45 years old. SCDOT has earned 10 PPAs: By performance since the program began in 2001.

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 opened to traffic in 1976. The original construction consisted of 8 inches of earth type base course, followed by 6 inches of stabilized aggregate base course and then 5 inches of asphalt aggregate base course. Next added was 2.3 inches of asphaltic concrete binder course followed by 0.71 inches of hot plant mix seal course. It was topped by a 1.4-inch layer of asphaltic concrete surface course.

This four-lane highway currently has an annual average daily traffic (AADT) of 52,200 vehicles. The estimated loading since the original construction is over 54 million equivalent single-axle loads (ESALs).

As the years between resurfacing have averaged 13.5 years, this section of I-95 meets the criteria for a PPA and has served the traveling public in S.C. well for over 45 years. SCDOT will be honored by South Carolina Asphalt Pavement Association (SCAPA) and presented with an engraved crystal obelisk.

“The South Carolina Department of Transportation (SCDOT) is pleased and honored to have been chosen by the Asphalt Pavement Alliance to receive this Perpetual Pavement Award,” said Dahae Kim, Assistant State Pavement Design Engineer. “The selected project is a part of Interstate 95 that runs approximately parallel to the Atlantic Ocean from the Georgia state line to Hardeeville. This section is subject to very high truck traffic and the success of this project is

evidence that proper design and construction practices can result in roads that minimize maintenance costs and last longer. This accomplishment would also be recognized by traveling public and help earn their trust.”

“One key indicator of quality in construction is a smooth, long-life pavement,” said Amy Miller, P.E., National Director of the APA. “Long-life asphalt pavements serve the community, reduce the money needed for maintenance, and conserve raw materials, ultimately leading to a truly sustainable structure that exemplifies the triple bottom line. Asphalt roads can be engineered to last indefinitely with only routine maintenance and periodic surface renewal. Perpetual pavements use fewer natural resources and offer road owners and users what they want most – an economical, smooth pavement that serves the community for decades.”

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.sapainc.org](http://www.sapainc.org)) represent the interests of asphalt pavement producers and paving companies at the state and local level across the United States.