



SUNRISE TOLL PLAZA

The new Sunrise Mainline Toll Plaza on the Sawgrass Expressway west of Ft. Lauderdale represents a transformation of the aging Expressway to a “highway of tomorrow.” The \$26 million design/build project offers the first open road tolling (ORT) in South Florida, using a double-span signature gantry for collection of tolls from high-speed vehicles.

The toll plaza utilizes approximately 11,000 sq. ft. of PAC-CLAD .032” corrugated aluminum panels. The 7/8” panels were finished in Silver Metallic. In addition, 5,400 sq. ft. of .125 plate aluminum was custom perforated and spray coated.

Miami-based MCM Corp. was the lead contractor and Orlando-based RS&H was the lead design firm and engineer of record. “The assignment from the Florida Turnpike Enterprise was to create a ‘showcase toll plaza’,” according to Jesse Forst, project manager for RS&H.

The Sawgrass Expressway has become a major commuter corridor with more than 90,000 vehicles per day. The toll plaza project included 1.33 miles of roadway widening north and south of the plaza and complete reconstruction of the approaches.

According to Forst, “The use of corrugated metal was part of the design/build criteria established by the Turnpike. We designed the project to have a contrasting look between the corrugated and the perforated material. The installation challenges involved detailing to make sure the two materials meshed together properly without creating maintenance or constructability problems. It’s a great project and a definite toll road showcase in south Florida.”

Allied Architectural Metals, Inc., Ft. Lauderdale, fabricated the custom perforated material as well as installed the corrugated panels and intricate trim details.

Petersen, a Carlisle company, manufactures PAC-CLAD architectural metal cladding systems in multiple gauges of steel and aluminum. PAC-CLAD products include hidden- and exposed-fastener wall panels, standing seam roof panels, flush- and reveal-joint wall panels, vented or solid soffit panels, perforated metal, coil and flat sheet, composite panels, column covers, plus fascia and coping. All are available in a Kynar-based 70% PVDF Fluoropon coating in 46 standard colors and 16 wood grain finishes that include a 30-year finish warranty. Most colors meet LEED requirements and are rated by the Cool Roof Rating Council. Custom colors and weathertightness warranties are offered. BIM and CAD documents are available for most products. Founded in 1965, Petersen's facilities are located in Illinois, Georgia, Texas, Maryland, Arizona and Washington. For information on the complete line of Petersen's PAC-CLAD metal products call 800-PAC-CLAD, visit pac-clad.com or write to info@pac-clad.com.

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Editorial contact:

Rob Heselbarth

847-981-4707

rheselbarth@petersenmail.com