

# MDX 836 ORT

Miami Dade, Florida



The SR836 (Dolphin Expressway) is a main traffic artery for Miami-Dade County and the primary highway from Miami International Airport. The Miami-Dade Expressway Authority (MDX) envisioned the toll plaza to reduce traffic on the artery by upgrading to an Open Road Tolling system, which automatically collects tolls via radio-frequency (RFID) enabled transponder or by license plates.

Since Miami is looked at as a cosmopolitan city, as well as being the Gateway to the Caribbean and Latin America, Miami-Dade Expressway Authority looked to design a structure that would be viewed as an icon of the city and capture the Miami Deco theme into this toll structure. This was achieved with colorful lighting which changes intermittently to represent the hot Miami nightclub atmosphere and provide an aesthetic visual to visitors and commuters. The 85-foot long wing gantry represents the wings of an aircraft.

After intense research for the best protective coating, hot-dip galvanizing was the logical choice. Hot-dip galvanized steel offers protection not only from the harsh exposure of urban pollution, weather, and salty air due to the proximity to the ocean, but it was also chosen for its long term durability and near zero maintenance cost compared to painted steel. An additional feature of hot-dip galvanizing in this application is its complete coverage throughout the whole structure (inside and out) which will provide stability and aesthetic appeal to commuters for many generations to come. ■

## Galvanizer

Valmont Coatings - Miami Galvanizing

## Fabricator

Ray Fandino  
Remington Steel and Signs

## Owner

MDX Miami Dade Expressway Authority

## Additional

Brent Marley  
Condotte America

# Transportation