FINAL
AESTHETIC SIGNATURE BRIDGE PROPOSAL

Option A
SR 836/I-395/I-95 Project

Florida Department of Transportation District 6 &
Miami-Dade Expressway Authority
Miami-Dade County

Financial Project Numbers: 251688-1-52-01, 429300-2-52-01, 423126-2-52-01, 423126-1-52-01, 251688-1-56-02
Federal Aid Project Number: 3951-499-I
MDX Work Program Number: 83611
Contract Number: E-6J53

6.20.16
This Signature Bridge design is a functional bridge sculptured inspired by dance as a contemporary form. The bridge is art performing outside of the Adrienne Arsht Center for the Performing Arts. There are two gateway pylons, one for the eastbound bridge and one for the westbound bridge. The dramatic pylons of the cable-stayed bridges are positioned as reflective pairs at the boundaries of NE 2nd Ave. and Biscayne Blvd., creating openness and light for expansive urban green space. The orientation and positioning of the signature pylons complement the surrounding built environment. With the westbound bridge pylon closer to NE 2nd Ave., the bridge cable stays draw visitors in to the entrance of the Arsht Center - a focal point. The one-of-a-kind cable-stayed pylons are 350 ft. tall sculptures of inward-arching sweeping curves. The arms intersect the deck and provide a special driver’s gateway. Below the deck, the sweeping curves extend to the ground for a gateway inviting pedestrians to the Arsht Center on one side and the Frost and Perez Museums on the other side. These gateways offer unique pathways for the urban landscape side. These gateway pylons offer unique pathways for the urban landscape for community events, parking and pedestrian connectivity.

As the slender arm of the pylon extends upward to receive the cable-stayed spans allowing it to blend into the box girder shape of the expanding roadway. The horizontal and vertical transitions from the approach spans to the signature bridge occur entirely within the transition spans with smooth and gradual transition of the superstructure shape. The slender concrete piers blossom from the ground with layered sweeping curves and openings at the top. The visual aesthetic ties both the urban garden space and the vertical arches of the pylon together in contemporary shaping. The white smooth texture continues the rhythm of color and style in a family of design elements.

makes up a majority of the alignment. There is a symbiotic relationship between the sweeping curves of the organically shaped pylons and the sweeping curves of the superstructure shape and bridge roadway layout. The transition spans of the superstructure continue with the same concrete cross section as the cable-stayed spans allowing it to blend into the box girder shape of the expanding roadway. The horizontal and vertical transitions from the approach spans to the signature bridge occur entirely within the transition spans with smooth and gradual transition of the superstructure shape. The slender concrete piers blossom from the ground with layered sweeping curves and openings at the top. The visual aesthetic ties both the urban garden space and the vertical arches of the pylon together in contemporary shaping. The white smooth texture continues the rhythm of color and style in a family of design elements.

At night, light seeks to reveal the supple nature of the pylon's form by balancing soft surface illumination with a more dramatic revelation of the upward thrust, cable engaged arm. The internally lighted ring is in a dynamic center point, evocative of the movement of dance. When lighted with actively changing color, the cables take on a gossamer feel and can flutter with movement in the night. This one-of-a-kind, Signature Iconic Bridge will be recognized worldwide as the symbol of Miami’s vibrant energy and international culture. It will be the symbol of Miami’s magical charm that stirs our souls in the colorful rhythm of life. Miami is a place of celebration and in the joy of celebration, we dance.

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Aesthetic Signature Bridge

Renderings
Option A  Template 2 - Biscayne SB. Nighttime  Dance to the Miami Rhythm