I-395 RECONSTRUCTION

FTBA Construction Conference 2017
Project Location

- FPID 251688-1-52-01: I-395 Reconstruction
- FPID 429300-1-52-01: I-95 Pavement Reconstruction
- FPID 423126-2-52-01: SR 836 WB Connector
  - FPID 423126-1-52-01: NW 17 Avenue to Midtown
- Department Project
  - MDX Project
Project History

1992  SR 836/I-395 Project Development and Environment (PD&E) Study
1996  PD&E was placed on hold
2007  FDOT reinitiated the PD&E Study
2010  Location and Design Concept Acceptance (LDCA)
2011  Preliminary Design
  •  Project Advisory Group (PAG)
  •  Aesthetics Manual
2014  Advisory Steering Committee (ASC)
  •  Evaluate and rank bridge design
  •  Meet project budget and schedule
  •  Brian Blanchard, PE FDOT Assistant Secretary Engineering and Operations
Procurement Schedule

• Advertisement  
  February 8, 2016
• Letter of Response  
  March 7, 2016
• Phase I: Shortlist Proposers  
  April 18, 2016
• Phase II: Aesthetic Signature Bridge  
  June 20, 2016
• Public Meeting to Pass/Fail  
  August 19, 2016
• Phase III: Technical & Aesthetic Volume Proposal  
  February 28, 2017
• Phase IV: Price Proposal & Financial Proposal
• Anticipated Award
• Anticipated FDOT & MDX Execute
Proposal Evaluation Criteria & Weighting

- Technical Volume 1  
  Up to 60 points total
- Aesthetic Volume 2  
  Up to 30 points total
  • Aesthetic Project Technical Enhancement (APTE’s) - Up to 10 points total
- Proposed Contract Time  
  Up to 5 points
- Price Proposal  
  Up to 5 points

Department will convert the adjectival scores to numerical scores using numerical equivalents.
Proposal Evaluation Criteria & Weighting

Technical Volume 1 Criteria

- Understanding and Approach (Up to 15 pts)
- Team Staffing and Experience (Up to 5 pts)
- Value Added (Up to 4 pts)
- Construction Methods (Up to 10 pts)
- Maintenance of Traffic (Up to 10 pts)
- Innovative Aspects (Up to 10 pts)
- MDX Aesthetics (Up to 1 pt)
- Maintainability (Up to 5 pts)
Proposal Evaluation Criteria & Weighting

Aesthetic Volume 2 Criteria

- Signature Span (Up to 10 pts)
- Mainline and Connector Ramps (Up to 2 pts)
- Aesthetic (Up to 10 pts)
- Lighting (Up to 2 pts)
- Streetscape (Up to 6 pts)
- APTEs (Up to 10 pts)
Funding

The Design Build Firm may not exceed:

- I-395 Reconstruction $555M
- MDX SR 83611 $186M
- I-95 Pavement Reconstruction $25M
- WB Connector $35M
Project Needs

- Increase capacity to prevent future traffic congestion
- Improve safety by alleviating existing operational and geometric deficiencies; eliminate left hand entrance/exit ramps
- Improve local access to and from I-395
- Reduce evacuation time from Miami Beach
I-395 Roadway Design – Alignment
I-395 Roadway Design – Surface Streets
I-395 Aerial View
Signature Bridge Requirements

MINIMUM SPAN LENGTH = 650'
MINIMUM SUSPENDED SPAN LENGTH = 500'

BEGIN BRIDGE

TOP OF BARRIER

TOP OF DECK

NE 2ND AVE

EXISTING GROUNDLINE

BISCAYNE BLVD

END BRIDGE

SUSPENDER WORK POINT

GROUND ELEVATION = 245'
I-395 Streetscape
I-395 Streetscape - Zone 1
Existing Condition – 14th Street
I-395 Streetscape – Zone 1
I-395 Streetscape - Zone 2
Existing Condition- NE 1st Avenue
I-395 Streetscape – Zone 2
Existing Condition – NE 2\textsuperscript{nd} Avenue
I-395 Streetscape – Zone 3
I-395 Streetscape – Zone 3
MDX 83611 Project Description

• From the NW 17th Ave Interchange to the SR 836/ I-95/ I-395 Interchange (Midtown Interchange) or approximately 1.4 miles
• Urban Principal Arterial Expressway
SR 836 WB Connector

- Portion of new WB Connector only
- Doesn’t include exit ramp to NW 14th Street
MDX 83611 - Area Characteristics

- Urbanized Area
- Major Interchange Connection
- Close Proximity to Downtown Area
- Medical Centers/Hospitals/Health Institutions
- Governmental Complexes
- Miami River
- Constrained Corridor
MDX 83611 - Scope
MDX 83611 – Scope

• Add capacity to SR 836
• Eliminate existing weaving across eastbound SR 836
• Eliminate existing weaving across westbound SR 836
• Construct new fender system to protect SR 836 columns over Miami River
• Add two new tolling facilities for NW 14th Street Exit and at NW North River Drive Exit
• Modify 5 parking facilities
MDX 83611 - Aesthetics
I-95 Project Update
• NW 8th Street to NW 29th Street – 1.6 miles
I-95 Pavement Reconstruction Cont.

- Project consists of replacement of all Rigid Pavement on I-95 mainline and associated entrance and exit ramps.
- Replace any existing asphalt shoulder with full depth concrete shoulder
- Address drainage maintenance issues
- Replace all guardrail to upgrade to current standard
- Address associated bridge rail retrofits, approach slab replacement and expansion joint replacement
I-95 Pavement Reconstruction Cont.
Thank you!

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