SR 5/US-1 Federal Highway Bridge
From CR-A1A to Beach Road
Palm Beach County, Florida

Financial Project ID 428400-2-22-02
ETDM# 14199
The objectives of a PD&E study are to perform necessary social, environmental and engineering studies of a proposed transportation improvement to support decisions concerning if and where it should be built and what will be the basic design concepts.
Location Map
History

- Feasibility Study – completed December 2014
- Current rehabilitation job to begin summer 2016
  - Pile jacketing to reinforce 13 existing piles
  - Construction to last approximately 67 days
PD&E Study Components

- Public Involvement
- Engineering
- Environmental
Public Involvement Meetings

- Elected Officials/Agency Kickoff Meeting – February 17, 2016
- Public Kick-off Meeting – February 17, 2016
- Alternatives Public Meeting – tentatively fall 2016
- Public Hearing – tentatively early 2017
Engineering

- Data Collection and Analysis
- Bridge Structure
- Design Alternatives
Existing Bridge – Structurally Deficient, Functionally Obsolete

- Substructure rated “4”
- Superstructure rated “4”
- Structural deficiencies
- Existing concrete pile jacketing
Existing Clearance

Existing Vertical Clearance - 25.0'

Existing Horizontal Clearance - 80.0'
Alternatives Analysis

- No Build Alternative
- Build Alternatives:
  - Vertical Alignment
    - Low-Level bascule
    - Mid-Level bascule
    - High-Level fixed
  - Horizontal Alignment
    - Remain in place
    - Shift east
    - Shift west
Maintenance of Traffic Options

- Detour via Alternate A1A
- Temporary bridge
- Phase construction using one of the existing bridges
PROJECT DEVELOPMENT & ENVIRONMENT STUDY
SR 5/US-1 Federal Highway Bridge

Environmental

Parks

Recreation

Recreation

Wildlife
## Project Schedule

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<th>ACTIVITY</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
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<td>Public Kick-off Meeting</td>
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<td>Public Input</td>
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<td>Develop Build Alternatives</td>
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<td>No-Build and Build Alternatives Presented</td>
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<td>Study Complete/Location Design Concept Acceptance</td>
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Project Status

- Working Toward the Alternatives Public Meeting (tentatively fall 2016)
  - Evaluate future traffic levels and operational performance
  - Develop horizontal and vertical alignments
  - Evaluate environmental effects

- Continuous Public Involvement
  - Palm Beach Metropolitan Planning Organization
  - Stakeholders
  - Project team available for presentations
Conceptual Bridge Typical Section
Contact

FDOT Project Manager: Vanita Saini, P.E.
Florida Department of Transportation
District Four
3400 West Commercial Blvd.
Fort Lauderdale, Florida 33309
(954) 777-4468 or toll free (866) 336-8435 ext. 4468

www.JupiterUS1Bridge.com