

FDOT D3 & Atkins Utilize 123BIM

For U.S. 90 (W. Cervantes Street) from Dominguez Street to A Street Public Hearing



123BIM Virtual Tour Embedded into Public Access Web Site

Project Owner: Florida Department of Transportation, D3

Location: Pensacola, FL

Background: Pedestrian Safety Improvement

FDOT partnered with the City of Pensacola and Escambia County to identify and address the strategic road safety challenges on West Cervantes Street in Pensacola. This project focused on pedestrian safety based on the recommendations of the W. Cervantes Corridor Management Plan (Dec 2016)

The Problem: Historical Pedestrian Safety Concerns

The identified pedestrian safety improvements are near term changes that can be completed while the organizations conduct studies to determine whether a lane elimination is feasible. These improvements, which focus on pedestrian safety, will change the way that vehicles access side streets (known as access management). FDOT needed input from Public Hearings in order to better understand how citizens use the West Cervantes Corridor.

The Challenge: Traffic Calming

The goal of the project is to:

⇒ Increase public safety along the West Cervantes corridor of the historic Brownsville area.

FDOT's proposed pedestrian safety improvements involve a 2.3-mile segment from Dominguez Street to A Street. The proposed improvements are the result of a collaborative partnership between the City of Pensacola, Escambia County, FDOT, and the Florida-Alabama Transportation Planning Organization.

Exploring a Solution:

With schedules tight, and client in-house resources stretched, 123BIM was invited to deliver rapid design visualization to not just augment the process already well underway, but deliver a solution focused on communicating complex engineering design solutions to the stakeholder public at the upcoming Public Hearing.

- Nov. 15th, Notice to Proceed
- Nov. 27th, 123BIM Review Model Published
- Dec. 2nd, Review Meeting with Client
- Dec. 3rd, Coordinated with Client's In-house team to provide 123BIM elements for inclusion in their fly-through
- Dec. 9th, Final Updates and Virtual Tour Incorporated Into FDOT Storyboard Web Page
- Dec. 10th, Final 123BIM Model Published and All Requested Outputs Delivered

Result:

- ✓ 123BIM augmented the client's in-house workflow by delivering quick conceptual, real-time visual content that included last minute updates
- ✓ The 123BIM Virtual Tour was successfully integrated into the FDOT presentation for the public hearing
- ✓ 123BIM's interactive and immersive visualization platform helped the public understand the end result by contrasting existing conditions with the proposed solution





Atkins Team Member and Stakeholder Public Interact with 123BIM Virtual Tour on Smart Screens

“Our project team utilized 123BIM during a Public Hearing in Pensacola, Florida. Gary with Real Image Solutions created a Virtual Tour for our project that we were able to display on an interactive smart screen at the hearing. The public was able to enter the Virtual Tour, select from a number of different set viewpoints, and move around within the 3D model. This really helped the public get involved and understand the project! Gary was also incredibly responsive and helped us make sure the product was working as desired.”

*Tommy Johns PE
Senior Engineer III, Transportation
Atkins North America*

NWFL Roads / Future Projects / US 90 (W Cervantes Street) from Dominguez St to A St
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[Click on Banner Above for Project Documents](#)

Take the Virtual Tour

Scan this QR code with your phone or tablet, or browse to <http://vtour.123bim.com/AAUA> to take the interactive virtual tour



When you can't afford to be misunderstood.

For more information, contact:

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Rapid Design Visualization