

123BIM Utilized to Communicate New DDI Interchange at Virtual Public Meeting (VPI)



Project Owner: Florida Department of Transportation, D5

Location: I-75 at 49th Ave, Marion County, Florida

Project Purpose and Need

The purpose of a new I-75 interchange at NW 49th/35th Street is to provide relief to the congestion and operational deficiencies at both existing contiguous I-75 interchanges, by providing an alternate access to I-75 for the projected increase in truck volumes resulting from the future commerce district. The need for an interchange at I-75 and NW 49th Street can be summarized into four discussion areas:

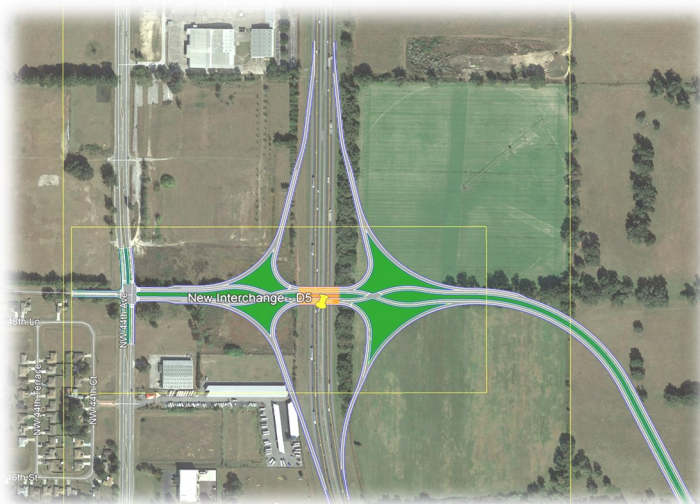
1. Economic Viability and Job Creation
2. Improve Interstate and Regional Mobility
3. Address Locally Supported Long Term Regional Needs
4. Accommodate Future Traffic Growth

123BIM - Production to Delivery

- ✓ NTP received - Sept. 4, 2020
- ✓ 1st Draft delivered - Sept. 14, 2020
- ✓ Vissim traffic data added - Sept. 24, 2020
- ✓ Final videos delivered - Sept. 28, 2020
- ✓ Initial VPI meeting - Nov. 18, 2020

The 123BIM Component

In August 2020 Metric Engineering informed us that FDOT D5 asked to utilize our 123BIM services for the Public Involvement component of the I-75 @ 49TH Ave. PD&E project. The primary purpose was to use the 123BIM model to create driver's eye videos and to show the public how to navigate a Diverging Diamond Interchange. An additional component, real



time Vissim traffic data, was added and included with no deadline penalty. In September we created existing conditions, and in the same month, took delivery of conceptual design data that we were told was preliminary. Once the model had been created, videos were created on the fly and customized at no additional cost. The project evolved over the next few weeks, with final design and videos, including real time Vissim traffic, delivered ahead of schedule.

November 18, 2020, 5:30 p.m. – 7:00 p.m.

WELCOME TO THE PUBLIC HEARING WEBINAR FOR THE I-75 INTERCHANGE AT NW 49 STREET PD&E STUDY



Click image above to enter the I-75 at S.R.884/Colonial Blvd Virtual Public Meeting

“Use of 123 BIM at our public meetings allowed us to add real time traffic from our traffic analysis model and customize the angles of the videos and images to really show how the Diverging Diamond Interchange functions as well as how the traffic is expected to operate. This really allowed the public to have a better understanding of the proposed improvements at the I-75 at NW 49 Street interchange. “

Gabriela Garcia, P.E. Deputy Project Manager, Metric Engineering

Visual Assets Delivered:

- ⇒ Interactive and immersive 123BIM Model
- ⇒ Drivers eye video (explaining how to navigate the DDI)
- ⇒ Integrated Realtime Vissim Traffic Data

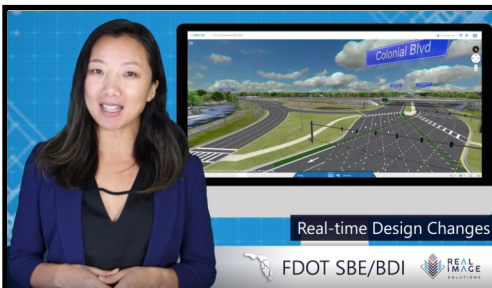
Take the Virtual Tour

Scan this QR code with your smartphone or tablet camera, or browse to <https://vtourdev.123bim.com/AALD/>



For more project information, visit:

[435209-1 I-75 at NW 49 St. Project Development and Environment \(PD&E\) Study \(cflroads.com\)](https://www.cflroads.com/435209-1-I-75-at-NW-49-St.-Project-Development-and-Environment-PD&E-Study)



Click image above to view 123BIM video

Exporting a design to a visualization team has a tendency to increase staff hours and hinder delivery of up-to-date designs used in review meetings. Since 123BIM is part of the actual CAD workflow, engineers now have access to ‘on demand’, meaningful visual assets in real-time rather than available time.

When you can't afford to be misunderstood.

Contact us today to start experiencing clear and effective remote project collaboration and communication with your stakeholders, any time, any place, and on any device with 123BIM technology.



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