

123BIM Utilized to Communicate S.R. 520 Roadway & Safety Improvements

Financial Project Identification (FPID) 442885-1 and 445689-1

RDV SYSTEMS | SR 520 Resurfacing Virtual tour



Project Owner: Florida Department of Transportation, District 5

Cox Road to Hubert Humphrey Causeway - Project Purpose and Need

The project is based on recommendations of an access management study completed in June 2019. The goal of access management is to reduce the number and severity of crashes by reducing conflict points, or areas where vehicles can cross paths and potentially crash. The project calls for closing some median openings within the existing condition and constructing directional median openings at other locations. The driveways, or side streets where access changes are proposed, are listed in the chart to the right. Additionally, the project will be making turn lane improvements at the signalized intersections. Additional improvements include resurfacing turn lanes and upgrading drainage, existing traffic signals and pedestrian curb ramps at all intersections to meet current Americans with Disabilities Act (ADA) standards.



FDOT D5's PM Eliode Joseph and PHD's Jitesh Gajera engage Councilmember for Cocoa District 4 Lorraine Koss and the SR 520 project using the 123BIM model.

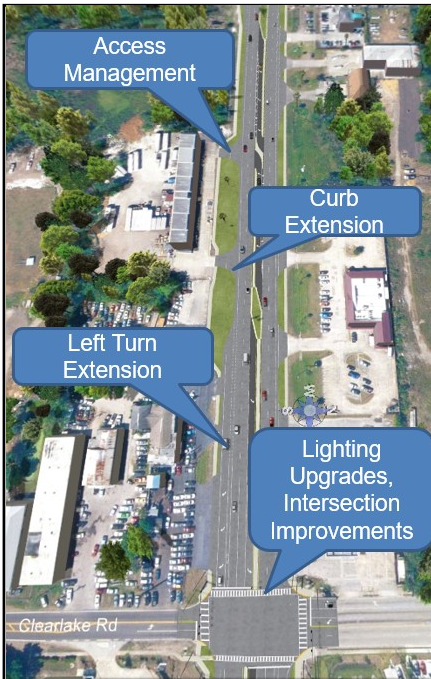
123BIM Delivery

- ✓ NTP received – 7/16/2021
- ✓ Model Review—9/7/21
- ✓ Updates Made—9/30, 10/3 & 10/7
- ✓ On-demand Visual Assets Extracted 7/16 through 10/12



[Click here SR 520 442885-1 Virtual Public Meeting](#)

[Click here SR 520 445689-1 Virtual Public Meeting](#)



Examples of exhibits extracted from the 123BIM model at no additional cost.



“Real Image Solutions, using RDV’s 123BIM, helped Pevida Highway Designers for our public meeting on SR 520 bundled projects by taking our 3D model and updating the real time model/rendering as we updated the design. Both the projects had controversial components such as access management, driveway removal, Target speed components (bulb-outs, on-street parking, shared use path, narrow lane width). This is one of the best practices for public engagement where public/stakeholders were able to see project existing and proposed conditions just with their fingertips on their own smart devices or laptops. It was very simple and easy to navigate the project with a 360-degree aerial view and street view. So, thanks Gary for helping us.”

Jitesh Gajera, PE, Senior Highway Engineer – Ardurra

Take the Virtual Tour

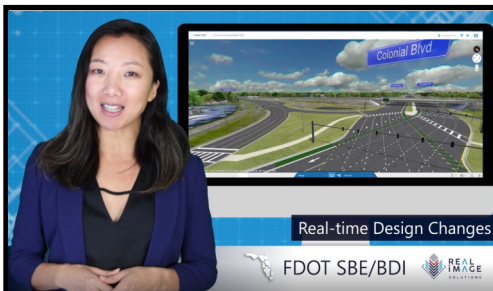
Scan this QR code with your smartphone or tablet camera, or click below

[Virtual Tour](#)



For more project information visit:

[442885-1 and 445689-1 S.R. 520 Project Information Handouts.pdf \(cflroads.com\)](#)



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 realtime rather than available time.

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