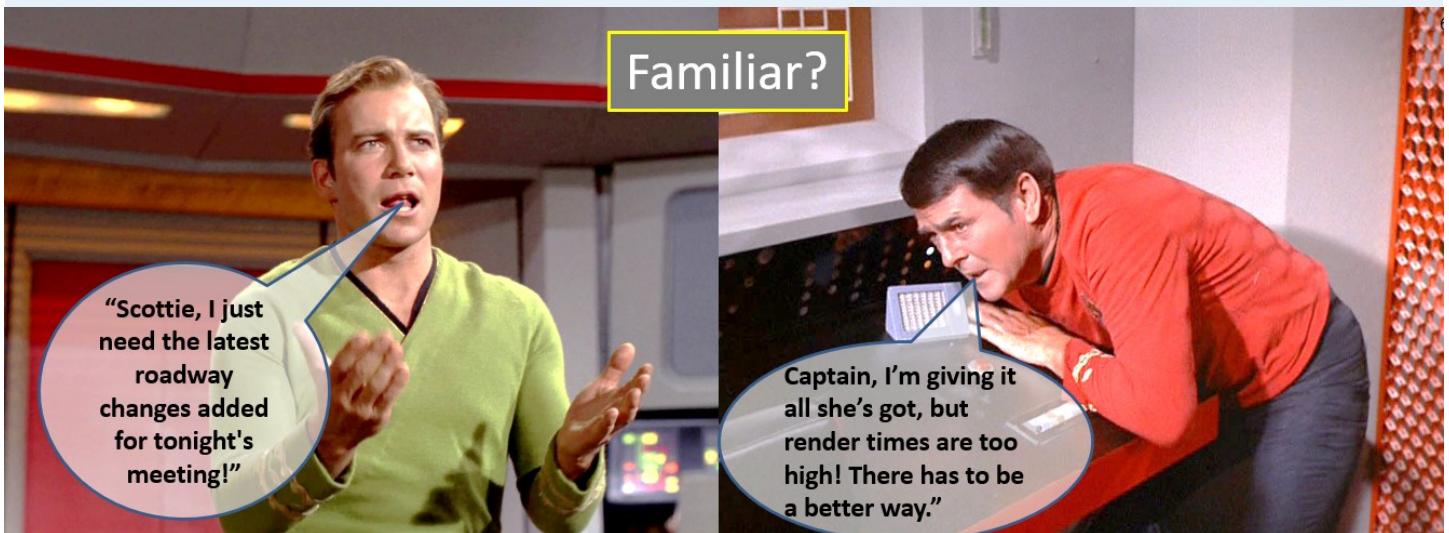


Integrating 123BIM Technology into your Workflow to Enhance Client Engagement and Business Growth



"Scotty, I need the latest roadway changes for tonight's meeting!" Captain Kirk's urgency is clear. But Scotty, sweating over his workstation, shakes his head. "I'm givin' it all she's got, Captain! But the render times are too high!"

There has to be a better way—and there is. **123BIM.**

123BIM is a web-based platform that revolutionizes how roadway designs and infrastructure projects are shared and visualized. Instead of waiting for lengthy rendering processes, 123BIM enables the seamless conversion of CAD designs into interactive 3D models, instantly accessible in the Cloud. No downloads, no installations—just real-time project exploration on any device.

With 123BIM, teams can collaborate effortlessly, ensuring that stakeholders always see the latest design updates as a **dynamic, 'living document.'** No more delays. No more waiting on outdated renderings. Just **warp-speed efficiency** for the modern project workflow.

Beam up to the productive power of design collaboration—123BIM.

Creating and Publishing a 123BIM Model

Building Existing Conditions

We generate a TIN surface from survey data, drape georeferenced aerial images, and add structures, cut and fill, buildings and landscaping to reflect real-world conditions before publishing to the cloud.

Developing the Proposed Design

Using 2D design files, we create roadway surfaces, striping, structures, retaining walls, and side slopes. Static or animated traffic and Vissim simulations enhance realism before publishing to the cloud.

Real-Time Visualization & Updates

Stakeholders can switch between existing and proposed conditions in real time. The 123BIM model is continuously updated, ensuring the latest design data is always accessible for progress and public involvement meetings.



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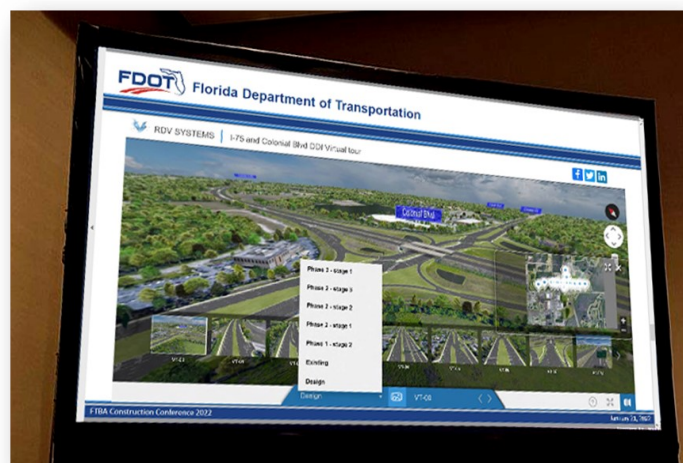
How CAD to Cloud Works



123BIM at FTBA

Email from Kati C. Sherrard, PE, CPM, former FDOT Interstate Program Manager

"I wanted to let you know that I will be giving a presentation during the MOT session at the upcoming FTBA Conference in Orlando. Our 35 minutes is going to consist of three topics, one of which is the use of 123BIM on the I-75 at Colonial Blvd. Interchange project. We will mostly be discussing how we are using the program to **demonstrate the different phases of construction**, but we will also touch on the **unexpected benefits such as catching design issues prior to construction**. Thanks."



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On-demand Visual Assets

- ✓ Unlimited Real-time Image Extraction
- ✓ Virtual Tours
- ✓ Off-line Navigator
- ✓ Unlimited Video Fly-throughs
- ✓ Virtual Reality
- ✓ Real-time Model Interaction

Take a Test Drive

Use your smartphone or tablet's camera to scan the QR code for a 123BIM interactive Virtual Tour, or click: [I-75 and Colonial Blvd DDI Virtual tour](#)



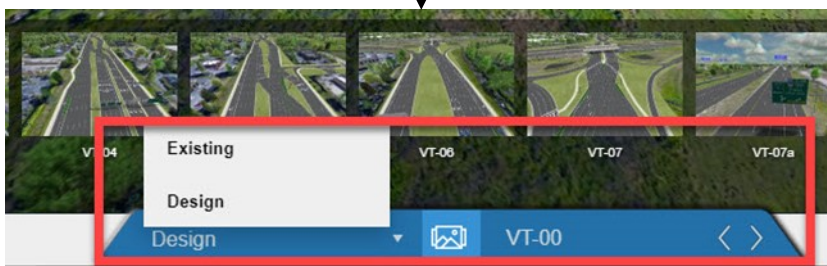
Nothing to download or install



Real-time compare and contrast

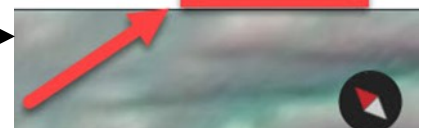


Click a thumbnail to change the view



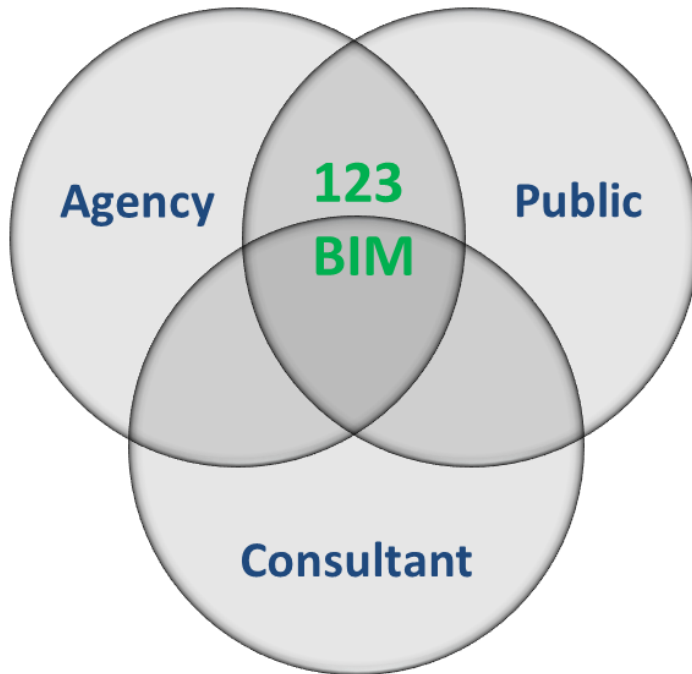
Switch between Existing & Design

One click posting to your social media



Integrating 123BIM Technology into Your Workflow to Enhance Client Engagement and Business Growth

Where it Fits and Fee Structure



2 Step Fee Structure

⇒ Web Hosting

- Project life cycles are matched to web hosting period - a typical project hosting period is 12-24 months.

⇒ Model Creation

- We create the 123BIM model, or we teach you how to create your own 123BIM model.

Examples of Application

- | | |
|---|--|
| ✓ Real time Design Alternatives / ATC | ✓ Vissim real time traffic study |
| ✓ ROW issues | ✓ Access management |
| ✓ Phased Construction & MOT | ✓ Re-striping |
| ✓ Complete Streets | ✓ Flood Plains / Drainage Issues |
| ✓ Light Rail integration | ✓ Sound Abatement – noise wall placement |
| ✓ Below and surrounding areas of Toll Roads | |

The Benefits of 123BIM Technology

123BIM offers a more efficient and dynamic alternative to the traditional 3D rendering workflow by **eliminating long render times** and enabling a seamless **CAD-to-Cloud process that keeps pace with design changes in real time**. Unlike static, short-lived visual assets, 123BIM's **models are updateable, ensuring longevity and adaptability**. With a single model, users can **generate multiple visual assets at no extra cost**, maximizing efficiency and value. Additionally, there is **no need to download or install software**, streamlining access and usability. Beyond static renders, 123BIM provides an **immersive and interactive experience, allowing users to explore, compare and contrast designs** from multiple perspectives rather than being limited to a single point of view.

123BIM - when you can't afford to be misunderstood!



Integrating 123BIM Technology into Your Workflow to Enhance Client Engagement and Business Growth

Examples of Client Feedback



[Click to View Florida 123BIM Projects](#)

“Real Image Solutions did a great job on a tight schedule to deliver the BIM model for our project. It was exactly what was needed and will remain useful for a long time. ”

Eric Saggars, VP, PE, HNTB Program Director, District 3 GEC

[Virtual Tour](#)

“The model went so much further than anything we could say when it came to conveying the merits of this complex project to the public.”

Jessica Golema, PE, Senior Engineer II, Transportation, Atkins North America

[Virtual Tour](#)

“The 123BIM virtual tour provided by Real Image Solutions was nothing short of miraculous, transporting you years into the future with just a click of a button. 123BIM has opened the doors to the future of transportation infrastructure and allowed users to understand the vision expressway agencies are making a reality for drivers.”

Kevin Camara, former Senior Communications Manager Quest Corporation of America who served as a CFX Public Information Officer for the SR 538/Poinciana Parkway extensions project

[Virtual Tour](#)



Integrating 123BIM Technology into Your Workflow to Enhance Client Engagement and Business Growth

Additional Resources - Click Thumbnails for Hyperlinks



- What about Bob - A missed opportunity to **communicate the complexities of engineering** to the stakeholder public at a public involvement event.



- To be misunderstood, can be **Risky Business**: Many years ago my team presented at a PI event, and we were certain we had won over the audience . . . until someone mentioned a proposed 3-foot-high retaining wall. All attendees heard was **WALL**, and it didn't help that our design images didn't include a visual.



- Is round or square a choice? In engineering, for example, one of the **challenges of public involvement meetings** is transferring engineering concepts to a non-engineering, decision-making stakeholder.



- FDOT D1 - 123BIM technology was utilized to illustrate not only the new driving dynamics but to **communicate these complexities** to virtual community stakeholders. Here's the story . . .



- FDOT D3 - **Time was short**, the solution was complex and the Transportation Planning Organization (TPO) and stakeholder approval were critical to keeping the project on track.



- FDOT D3 - 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 to **deliver a solution focused on communicating complex engineering design** solutions to the stakeholder public at the public hearing.



- FDOT D5 - 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.



- FDOT D5 - FDOT D5's PM Eliode Joseph and PHD's Jitesh Gajera **engage Cocoa District 4 Council member Lorraine Koss** at the SR 520 project review using the 123BIM model.

For more information and to discuss teaming opportunities, contact: 407-497-8835
gary@realimagesolutions.com or visit [123BIM | Real Image Solutions](https://www.123BIM.com)

