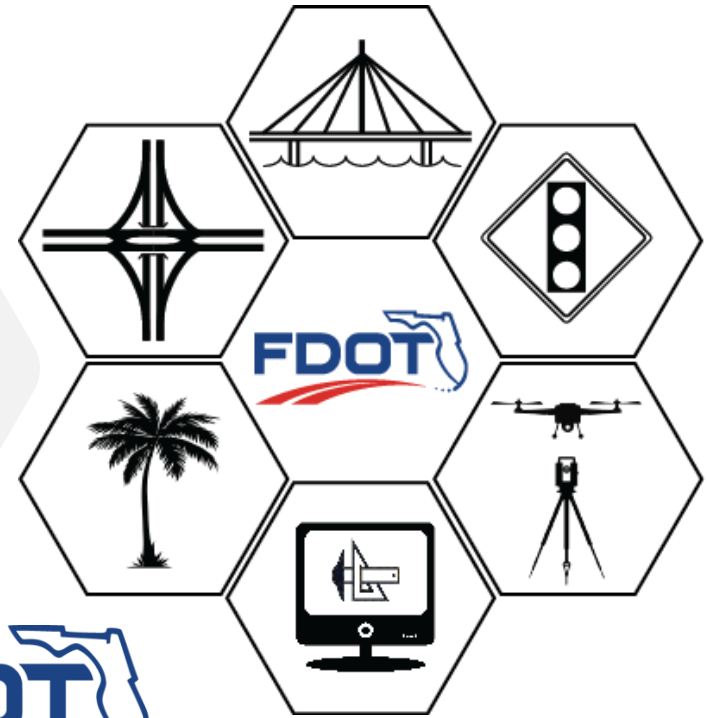


3D Model Project Reviews in VR, AR, MR

John-Mark Palacios, P.E.



TRANSPORTATION
SYMPOSIUM

2019

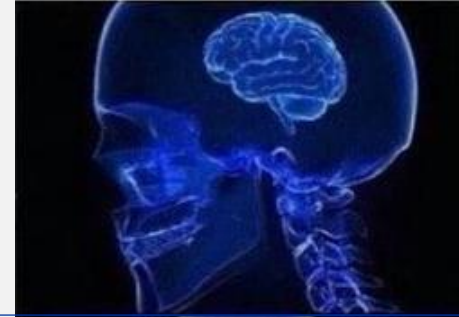
Thinking outside the box

- corridor modeling

- 3D models for public involvement and VR

- 3D models for QC QA reviews in VR

- 3D models for AR in construction



VR QC/QA Review

- Intuitive Interface (no CADD or 3D modeling knowledge needed)
- Easily spot gaps or irregularities in models



Augmented Reality in the field

- Contractor and Inspectors can view proposed model on site, overlaid on existing ground or under construction grading
- Hololens
- AR on iPad or other mobile device
- <https://www.youtube.com/watch?v=86UQ0i5MPOA>



VR Demo

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