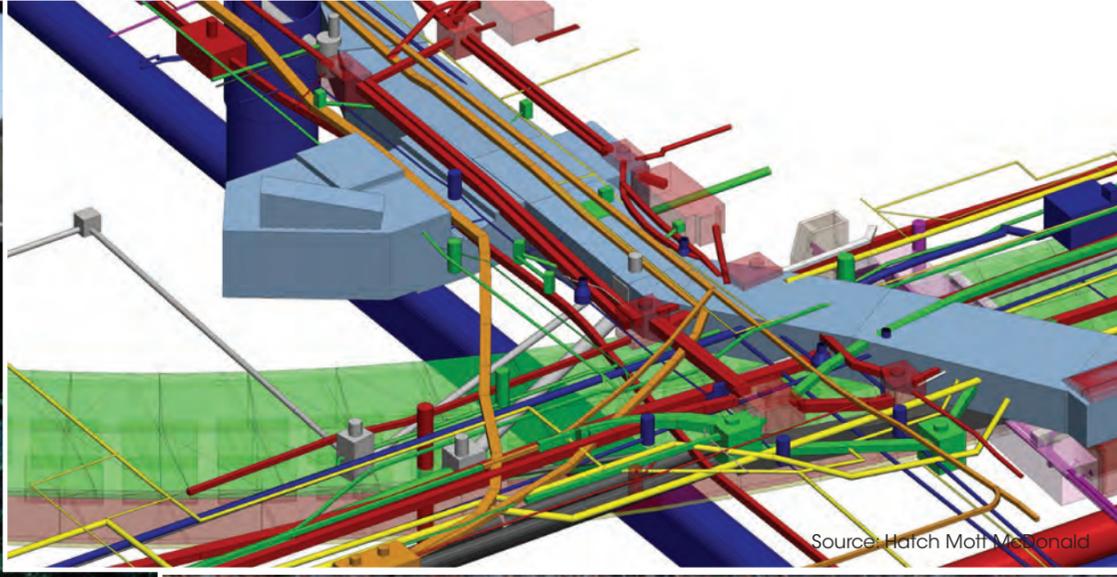


# 3D ENGINEERED MODELS FOR CONSTRUCTION

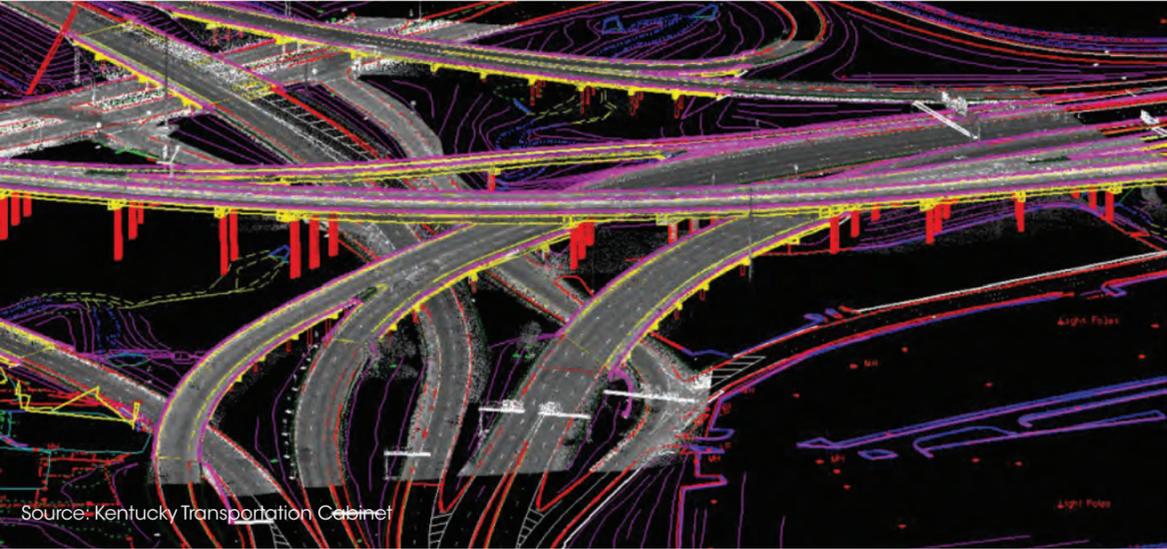
Resources for making the switch from 2D plan sets to 3D models



Source: Hatch Mott McDonald



Source: Utah DOT



Source: Kentucky Transportation Cabinet



Source: David White, Iowa State University

## BENEFITS

### 3D ENGINEERED MODELS

- Serve as “digital decision-making tools” for problem solving
- Improve communication and collaboration among project team members and other stakeholders
- Enhance accuracy and efficiency in field surveying, planning, design, and construction
- Enable “virtual” construction to improve plans and reduce errors
- Support automated machine guidance (AMG) of heavy equipment

[WWW.FHWA.DOT.GOV/3D/](http://WWW.FHWA.DOT.GOV/3D/)

### A NEW ONLINE CLEARING-HOUSE

([www.fhwa.dot.gov/3D/](http://www.fhwa.dot.gov/3D/); search “fhwa 3D”) with links to

- Resources for surveying, design, construction, post-construction, and training
- A Technical Support Services Center for fast, personal, expert answers
- A series of webinars (register to participate, or view recorded events)
- One-day workshop information

**Web-Based Training modules (available August 2014)**



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U.S. Department of Transportation  
Federal Highway Administration