



TR21478-R

The Future of Making Bridges – The Journey

Rodney Page

Senior Premium Support Specialist
@AskRodneyPage

Ara Ashikian

Senior Bridges Product Line Manager

Introductions



Rodney Page
Senior Premium
Support Specialist
Autodesk Global Services



Ara Ashikian
Bridges Product
Manager



Drew Olsen
Senior Industry
Strategy Manager for
Transportation



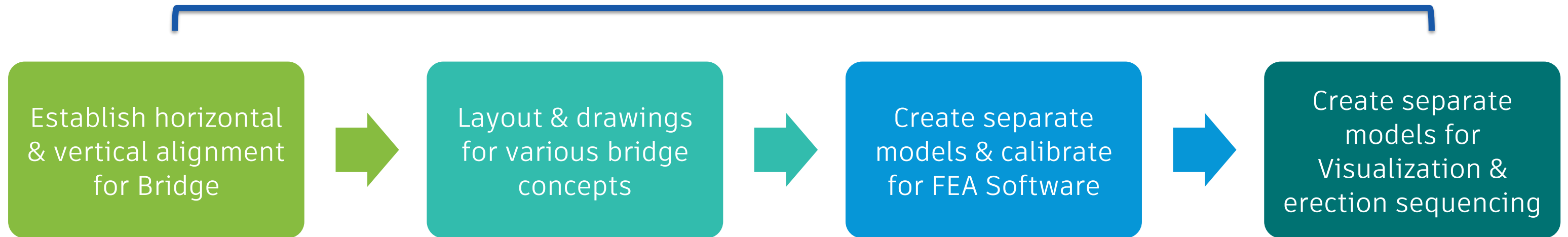
Byran Otey
Engineering Director
for AEC Structures.



“The Journey”

The Present

Repeat all the steps when modifying concepts



Imagine

The Future

Live Demo



Questions

Tools & Workflows

- 1. What tools and workflows are you currently utilizing to deliver your bridge projects?*
- 2. What limitations, challenges and pain points are you discovering.*
- 3. What best practices have you discovered?*

Documentation

- 1. How do you deliver 2D representation of the 3D bridge model including standard 2D Families currently?*
- 2. What is the quality & standard of documentation required to meet your unique regional industry and regulatory specifications? Does it deliver the most realistic layouts and quality documentation in a limited timeframe?*
- 3. Do the current tools and workflows meet the requirements? If not where do they fall short and how do you currently work around this?*

Modelling

- 1. What challenges do you face with modelling?*
- 2. How do you manage to model complex bridges with curved decks incorporating cross fall and vertical camber?*
- 3. What are your requirements for modeling reinforcement?*
- 4. Where there is repetition in the bridge elements such as girders do you model reinforcement for a typical one or do you model them all?*

Simulation & Visualization

- 1. What do you think of the feasibility of inserting the Engineer much earlier in the conceptualization phase?*
- 2. Is it dependent on who owns the concept phase of the project. Sometimes this is owned by another stakeholder and is out of their control?*
- 3. What advantages could it deliver for your bridge project?*
- 4. Would it save time and money including and quicken the flow from preliminary to detailed design?*

BIM

- 1. What are the current expectations for BIM Deliverables for your projects?*
- 2. If you are delivering BIM what amount and type of information do you incorporate?*
- 3. Does this have an impact on model performance?*
- 4. IFC was designed for Building Information initially, but plans are underway for incorporation of bridge components. How do you workarround this for bridges at present?*

Training & Equipping

- 1. How do you identify, train, equip and support your staff in an efficient and cost effective manner?*
- 2. What has been your experience with the interoperability between the various tools?*

Survey

Please fill out survey



Thank you

