



AND **Locate25** |   
THE NATIONAL GEOSPATIAL CONFERENCE

**Presented at the FIG Working Week 2025,**  
**6-10 April 2025 in Brisbane, Australia**



**FIG**  **Geospatial**  
Council of Australia

Collaboration, Innovation and Resilience: Championing a Digital Generation

Brisbane, Australia 6-10 April

# Connecting data and people

## The benefits of a digital construction in action

**Steven Sheppard** – Geospatial Solutions Manager: **Trimble Inc.**

**Christopher Pynn** – Digital Lead: **Laing O'Rourke**



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## Eastern Freeway Burke to Tram Alliance (EBTA)



The new North East Link tunnels and Eastern Freeway Upgrades will link Melbourne's east up to the M80 Ring Road in Greensborough, cutting travel times by up to 35 minutes and taking 15,000 trucks off local roads a day.

### Burke Road to Tram Road

- 2022 Design/planning
- 2023\* Community feedback
- 2024 Construction starts
- 2027-2028 Construction complete

### Hoddle Street to Burke Road

- 2024 Design/planning
- 2025 Community feedback, construction starts
- 2027-2028 Construction complete

### Tram Road to Springvale Road

- 2024 Design/planning
- 2025 Community feedback, construction starts
- 2027-2028 Construction complete



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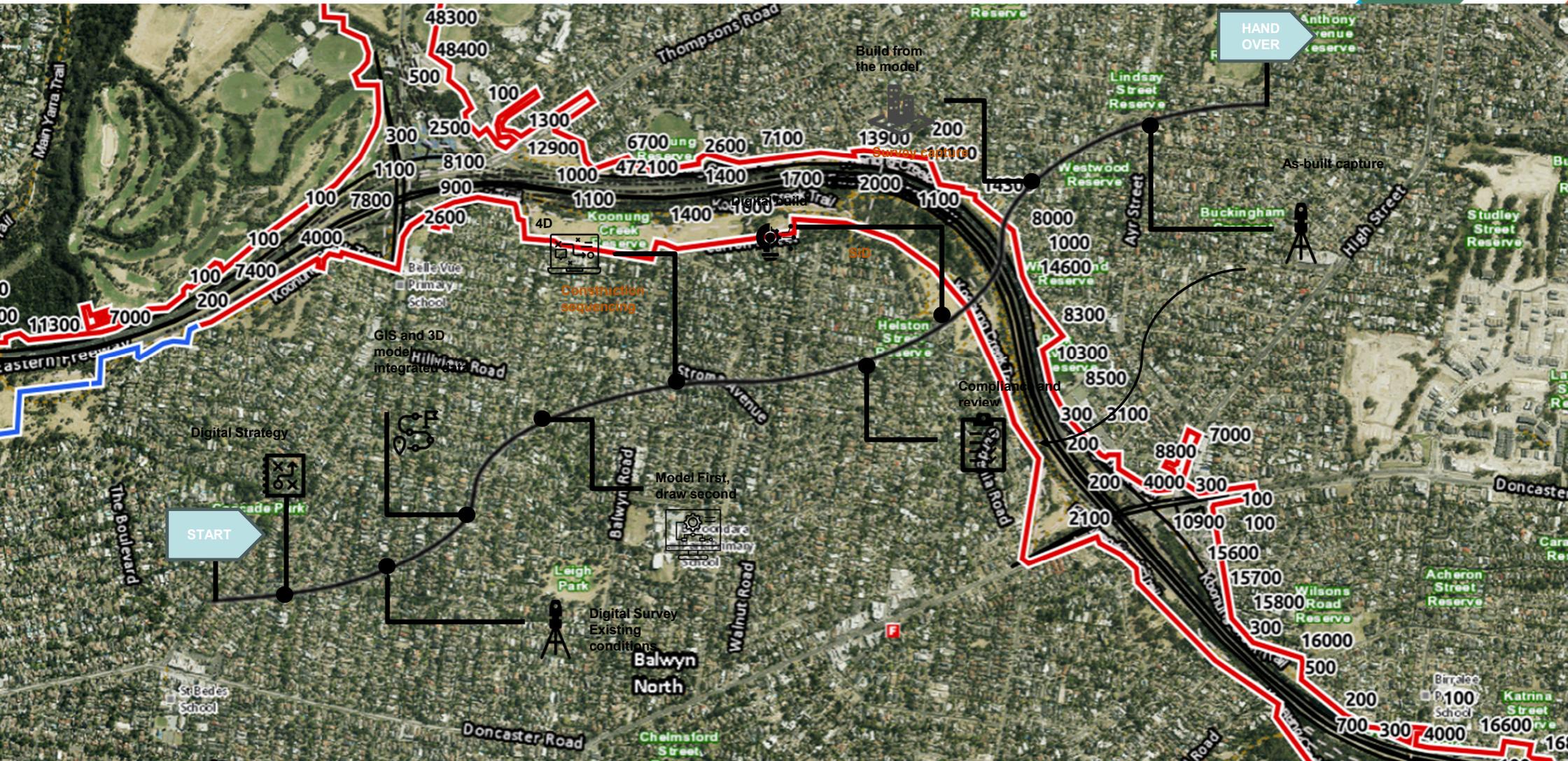


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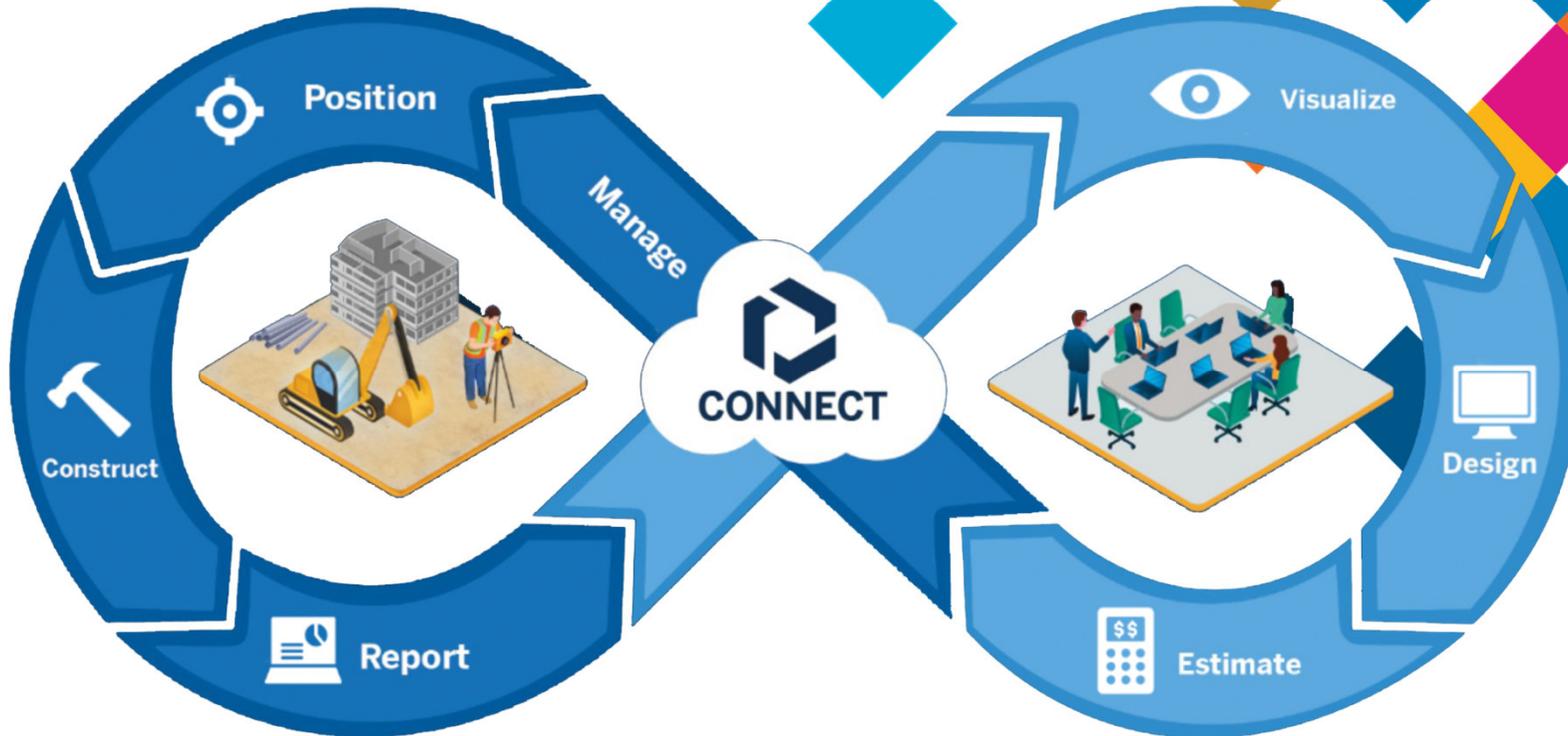
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## Connecting Physical and Digital



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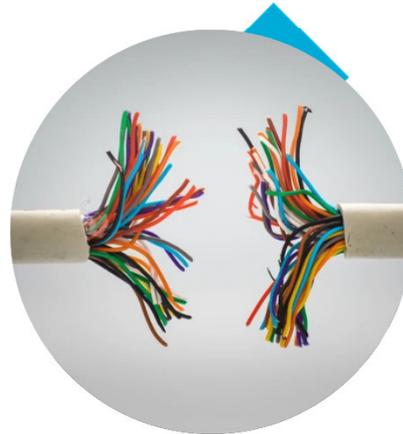
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Data is **everywhere**



Processes are **disconnected**



Decision making is **error-prone**



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THE SCIENCE OF WHERE™



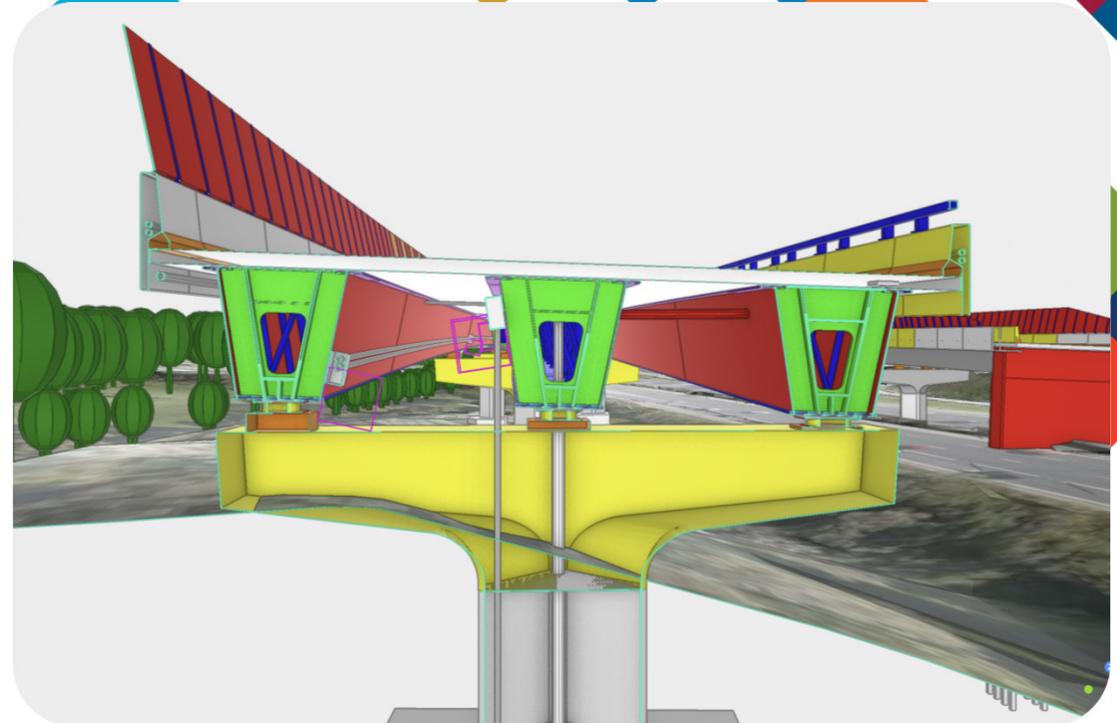
Validated Design Models

Digital Build

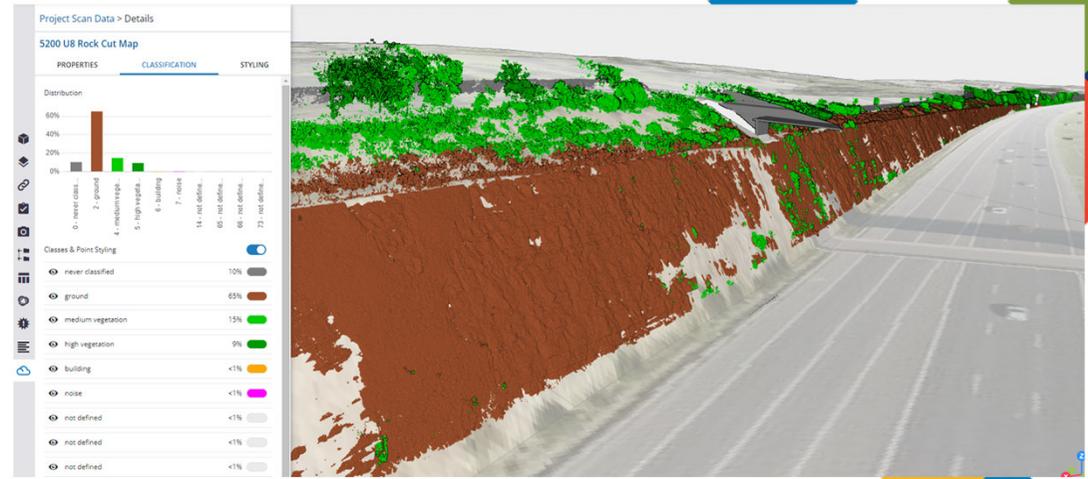
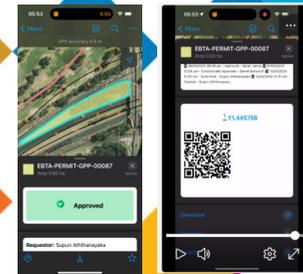
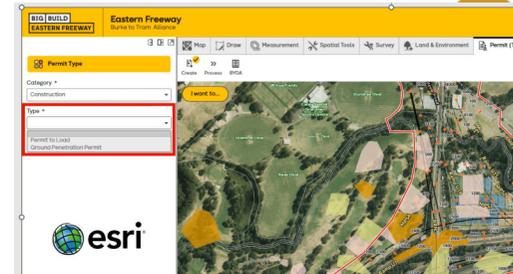
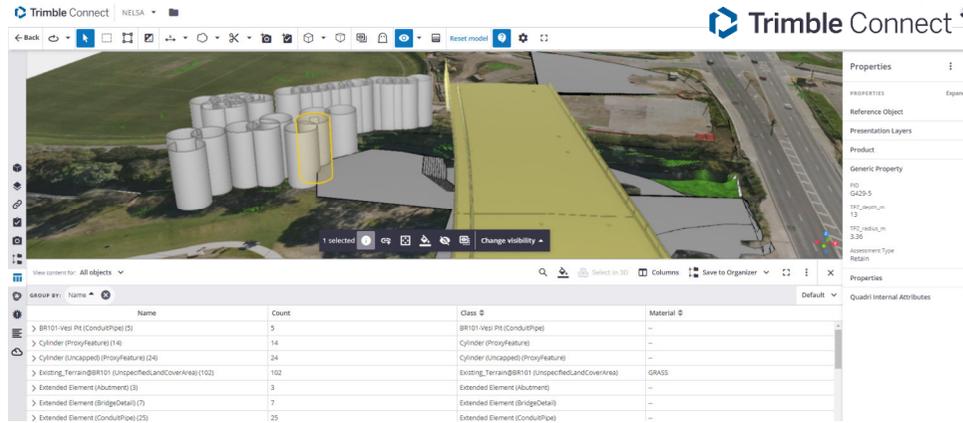
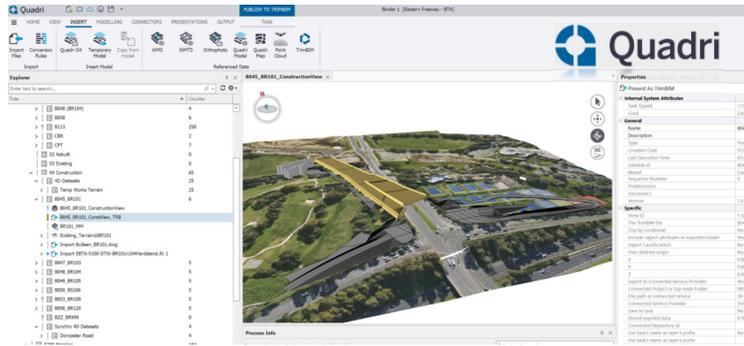
Fabrication

Digital Survey

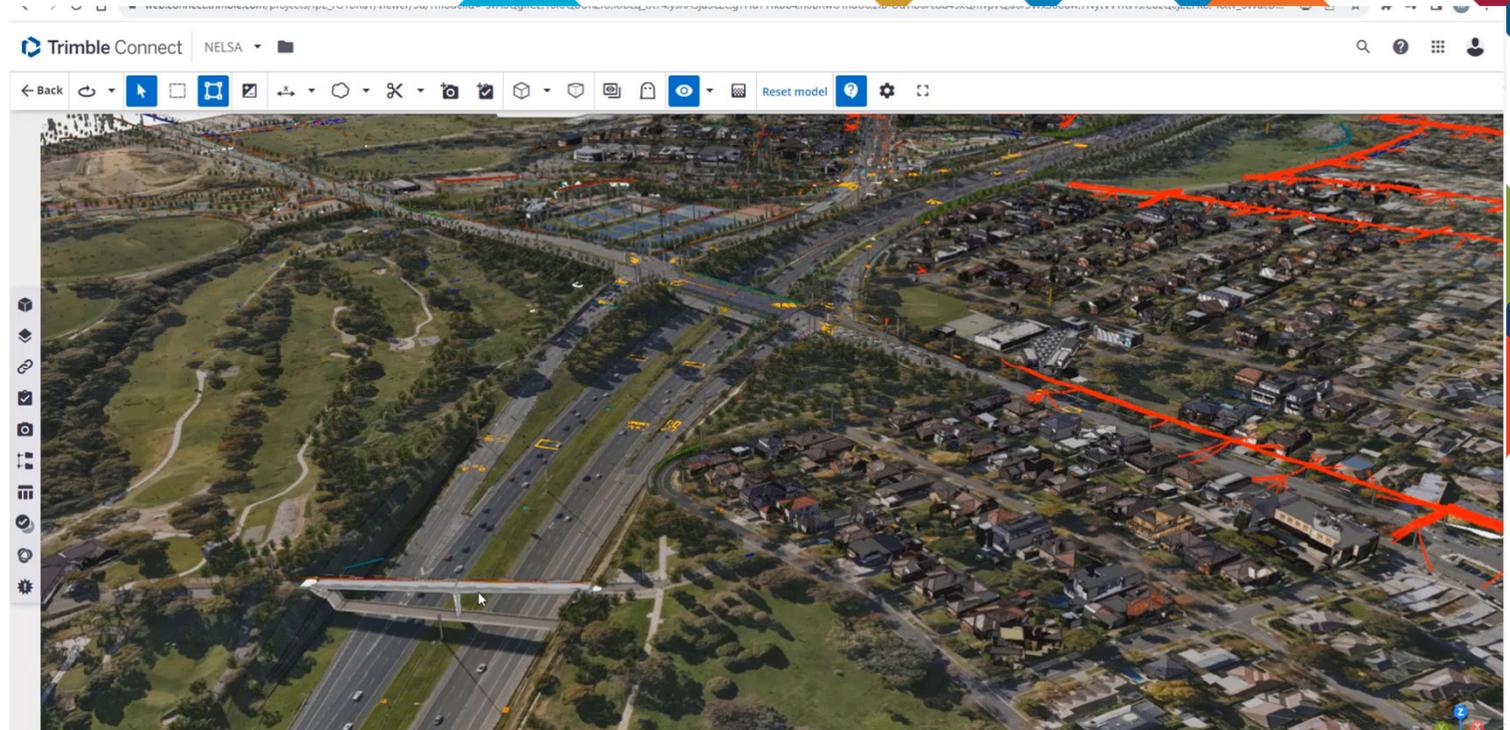
As-Built



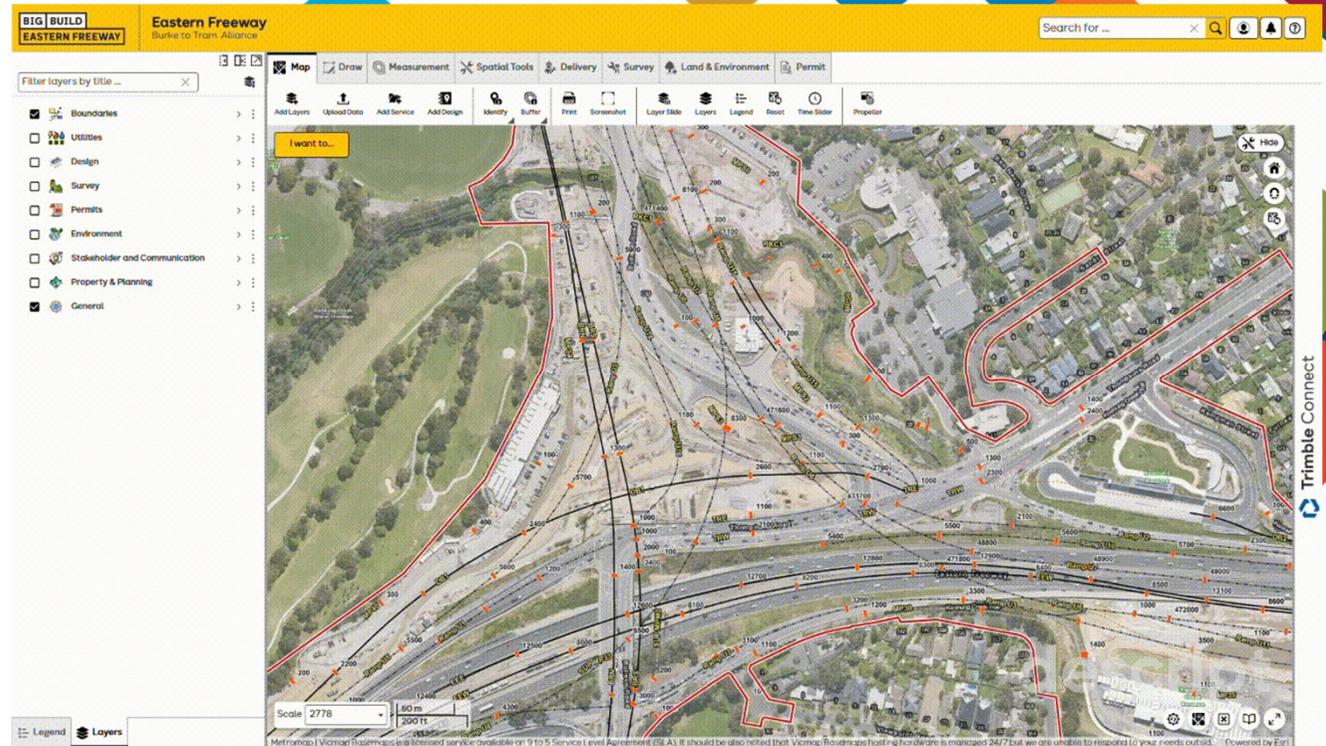
## The Delivery Ecosystem



# Model first at every stage



# Combining platforms for greater understanding



Trimble Connect

# The most relevant SDGs related to the presentation and theme of this session



SUSTAINABLE DEVELOPMENT GOALS

International Federation of Surveyors supports the Sustainable Development Goals



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## Thanks!

Steven Sheppard

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**STEP 1: SELECT HERE THE THREE MOST RELEVANT SDGs**  
**STEP 2: COPY THE SDG INTO PREVIOUS SLIDE**

<b>1</b> NO POVERTY 	<b>2</b> ZERO HUNGER 	<b>3</b> GOOD HEALTH AND WELL-BEING 	<b>4</b> QUALITY EDUCATION 	<b>5</b> GENDER EQUALITY 	<b>6</b> CLEAN WATER AND SANITATION 	<b>7</b> AFFORDABLE AND CLEAN ENERGY 	<b>8</b> DECENT WORK AND ECONOMIC GROWTH 	<b>9</b> INDUSTRY, INNOVATION AND INFRASTRUCTURE 
<b>10</b> REDUCED INEQUALITIES 	<b>11</b> SUSTAINABLE CITIES AND COMMUNITIES 	<b>12</b> RESPONSIBLE CONSUMPTION AND PRODUCTION 	<b>13</b> CLIMATE ACTION 	<b>14</b> LIFE BELOW WATER 	<b>15</b> LIFE ON LAND 	<b>16</b> PEACE, JUSTICE AND STRONG INSTITUTIONS 	<b>17</b> PARTNERSHIPS FOR THE GOALS 	