

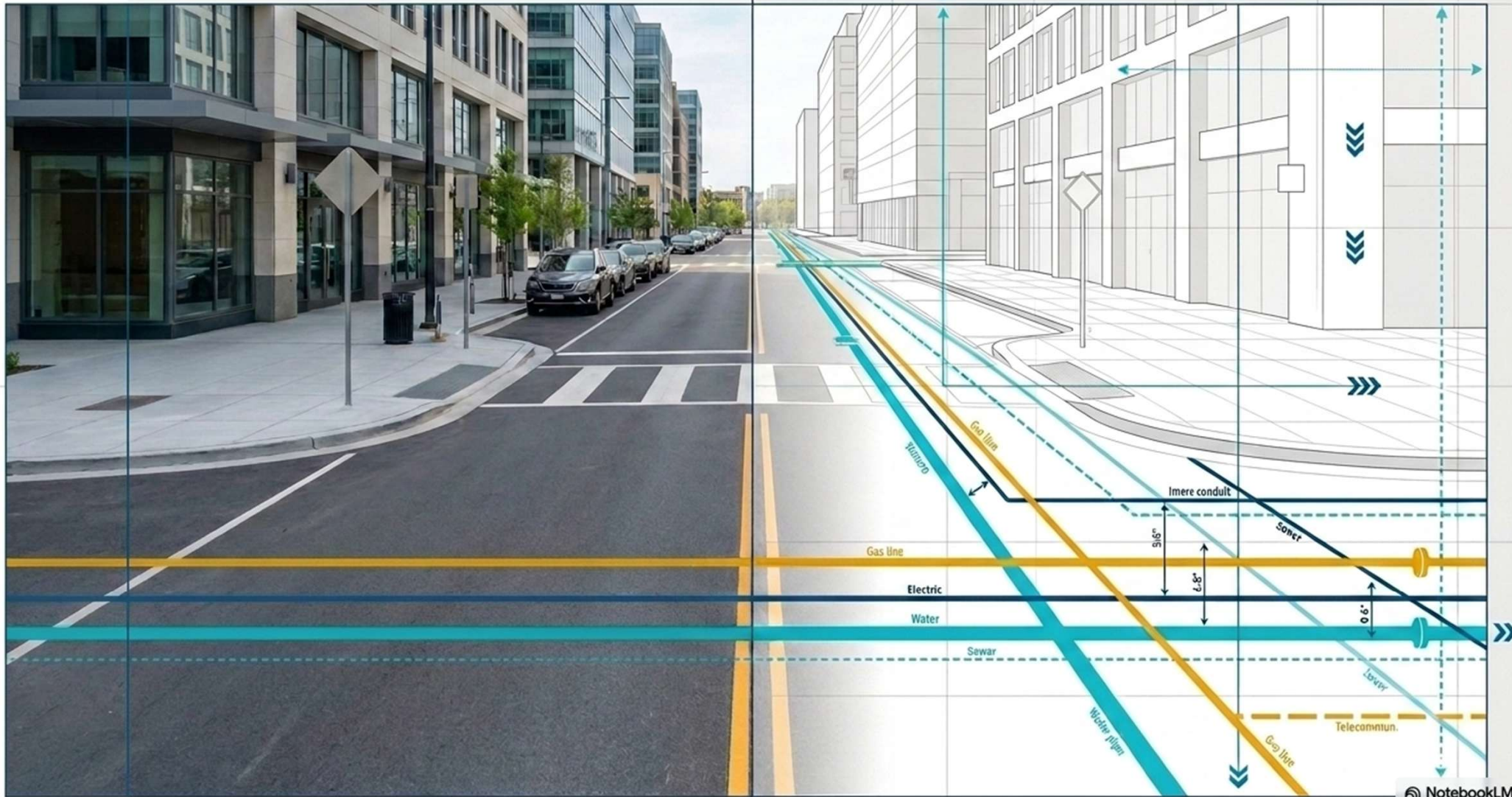
Seiler Geospatial Chad Willey Senior Sales Representative



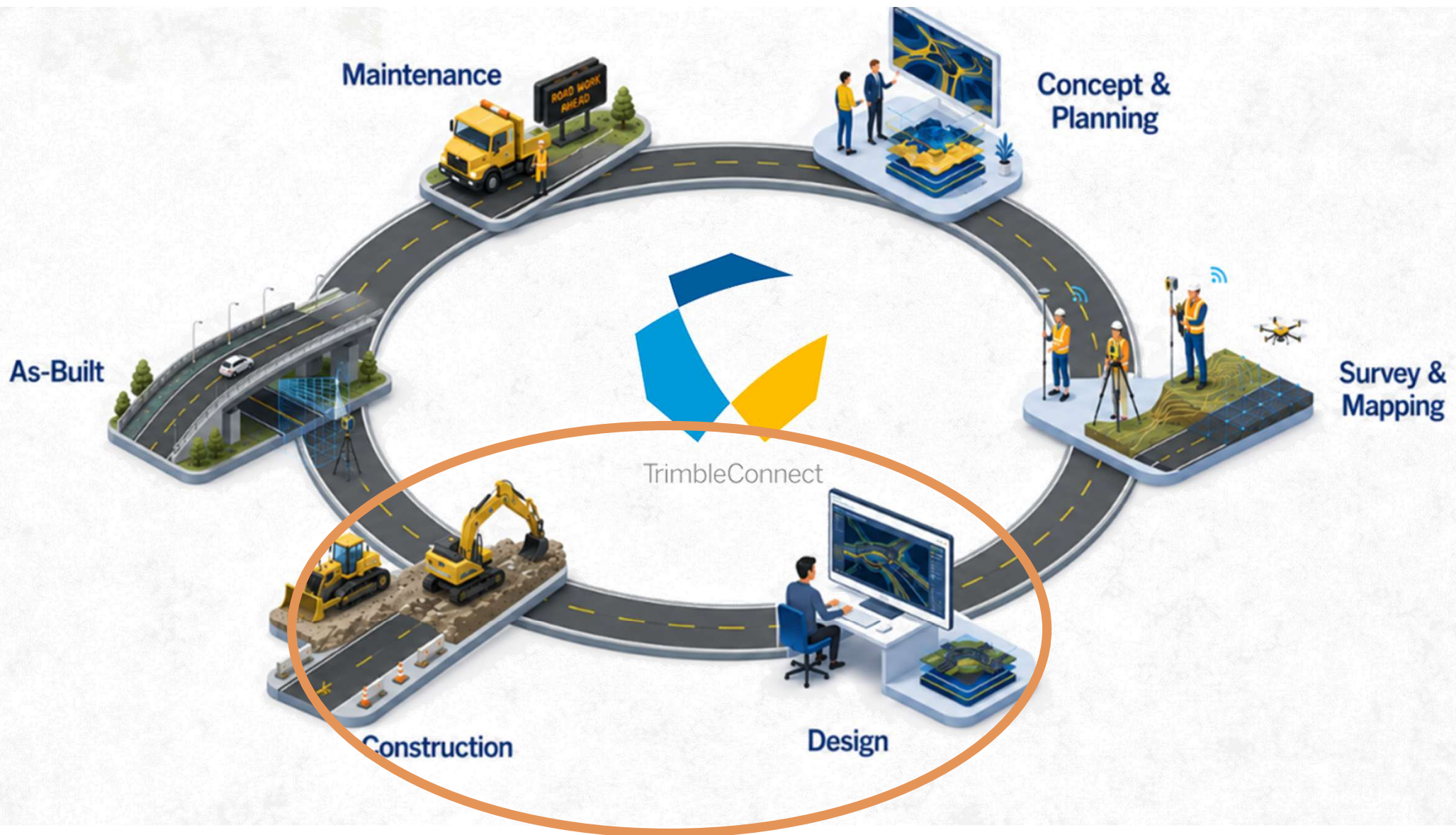


Trimble SiteVision Taking Models to the Field

Utility Coordination



Roadway Project Life Cycle



What is Trimble SiteVision?

- Collaborative review for non-technical participants, inspectors, designers, or even the public



**Trimble SiteVision
– AR using
Connect for field
review, or new
measurements in
the field**



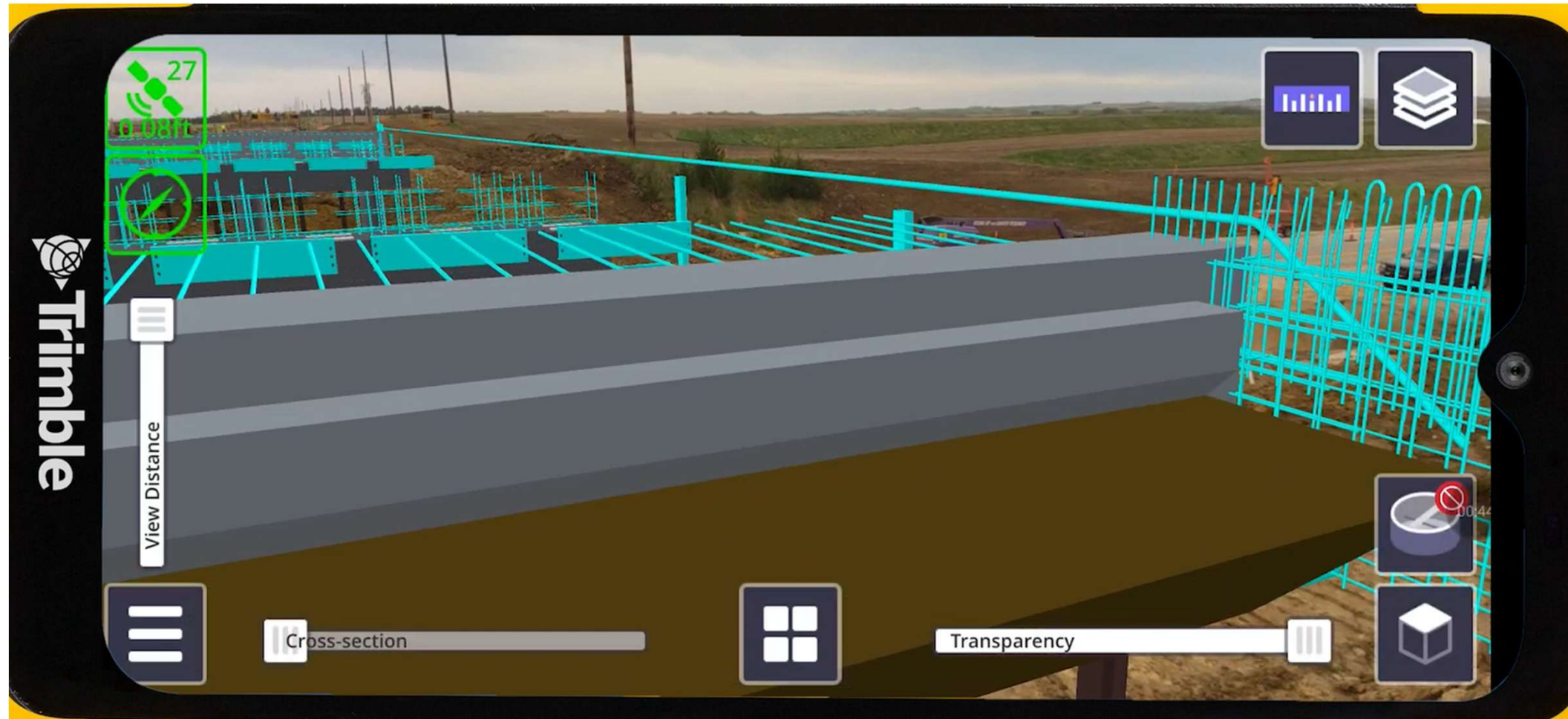
Augmented Reality Walkthroughs

Standing in the design before it is built

- **Trimble SiteVision in the field**
 - Overlay the design model onto the real site
- **Visualize grades, structures, and utilities**
 - See proposed conditions in true position and scale
- **Communicate with stakeholders**
 - Walk officials and the public through the project
- **Verify before construction**
 - Catch issues that are hard to see on a screen

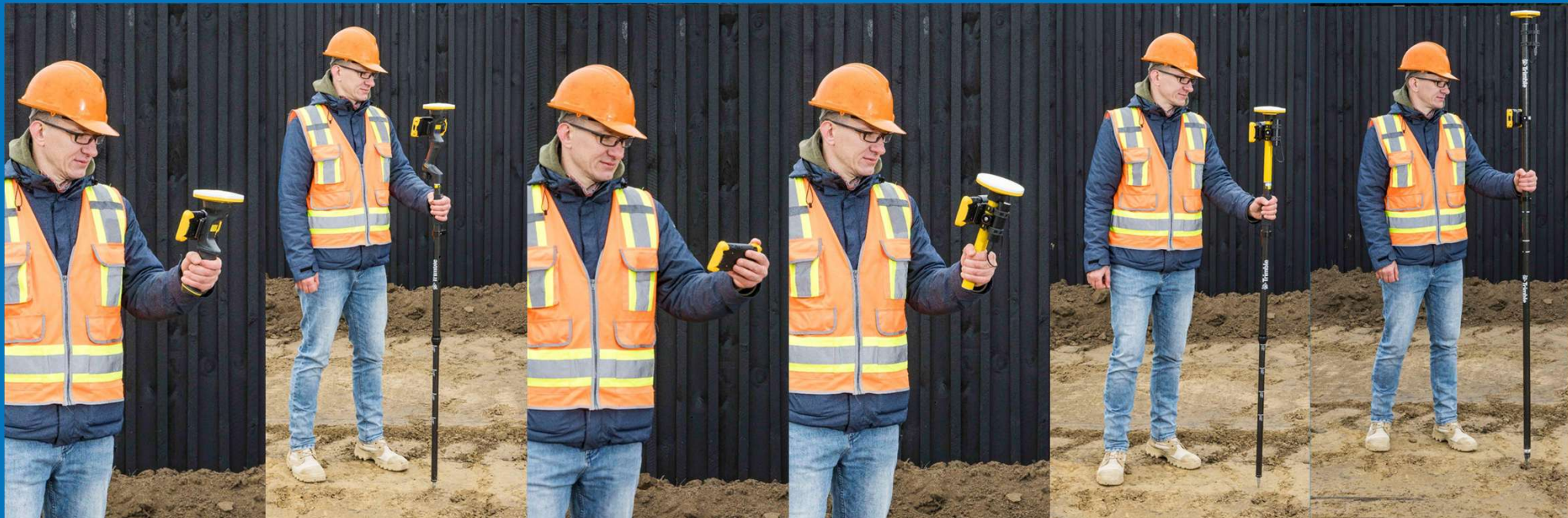


What is Trimble SiteVision?

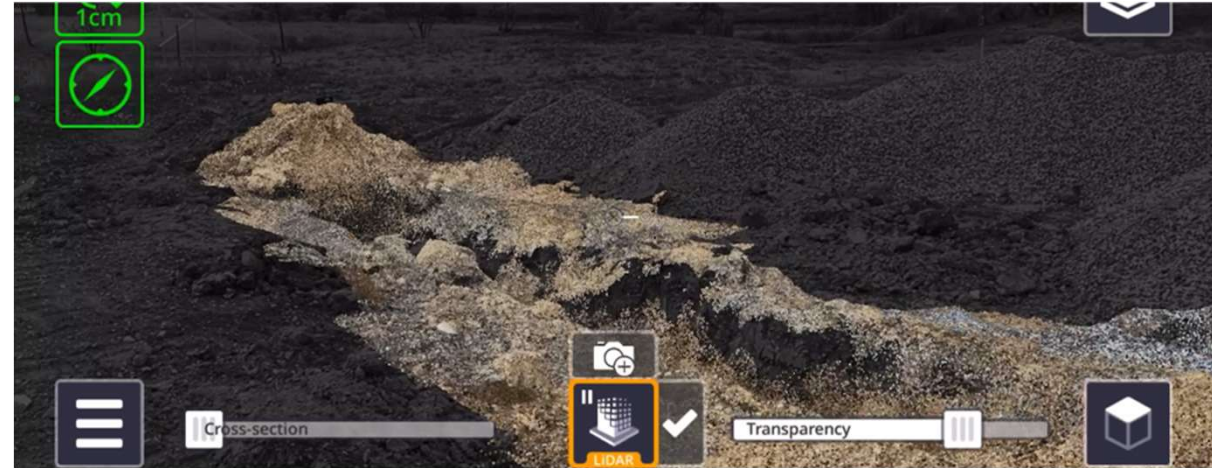
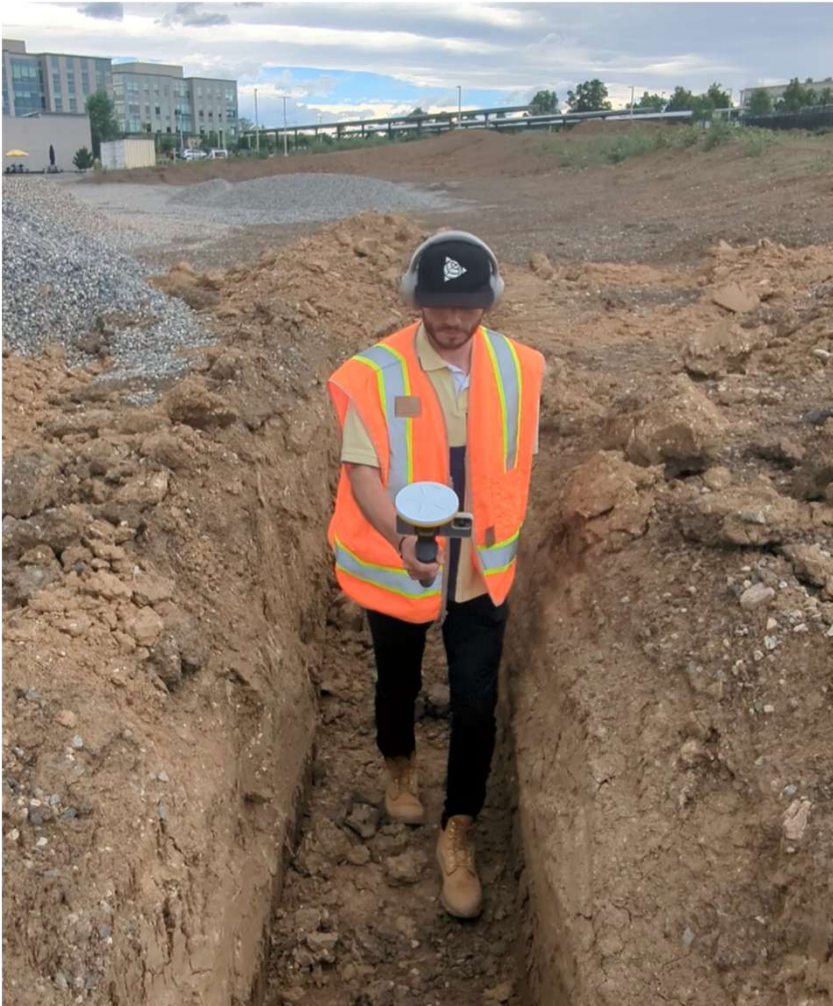


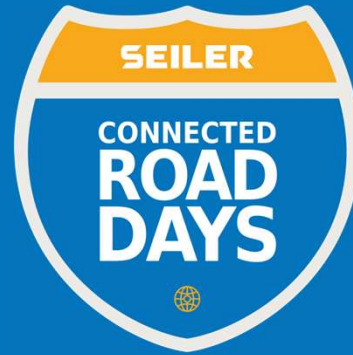
Various Configurations

- Handheld only, HPS2 Handle with EDM, or Pole mount.
- iOS support for LiDAR scanning, and Android
 - BYOD with iPhone or iPad, or Trimble TDC6



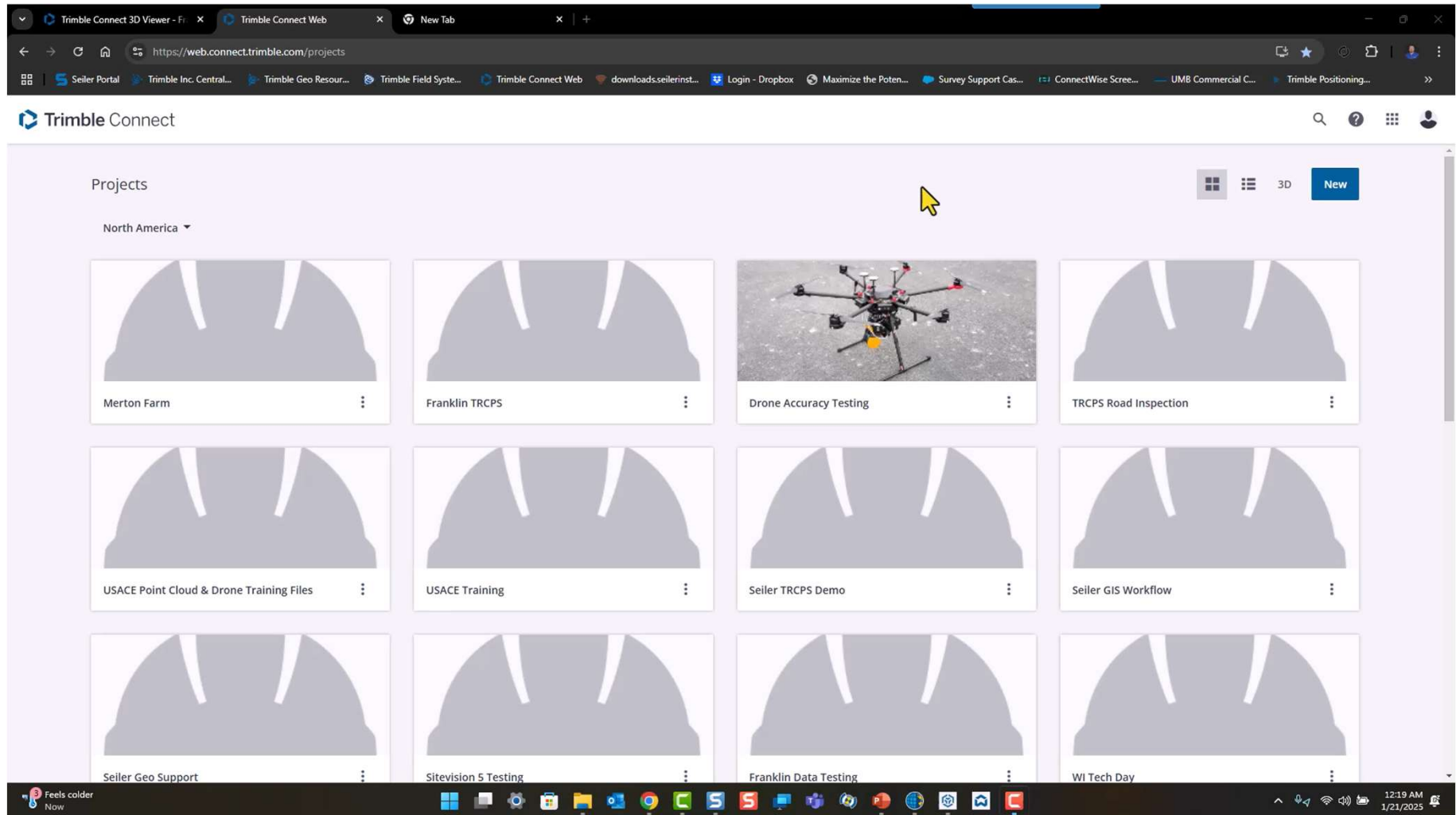
iOS LiDAR Scanning with SiteVision





SiteVision & Construction

SiteVision Workflow



SiteVision UI

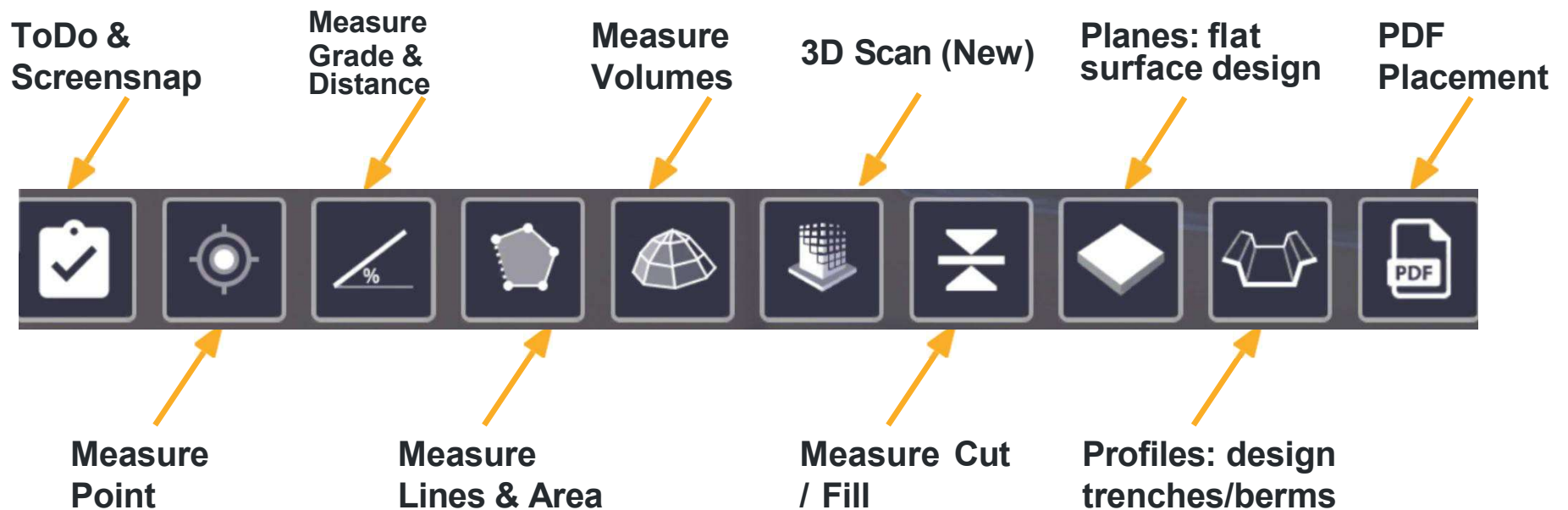
- 1  GNSS Status
- 2  Orientation Status.
- 3 View Distance Slider
- 4  Menu
- 5 Cross-section Slider
- 6  Applications.



- 7 Transparency Slider
- 8  2D/3D View Selector
- 9  Pit View
- 10  Layers

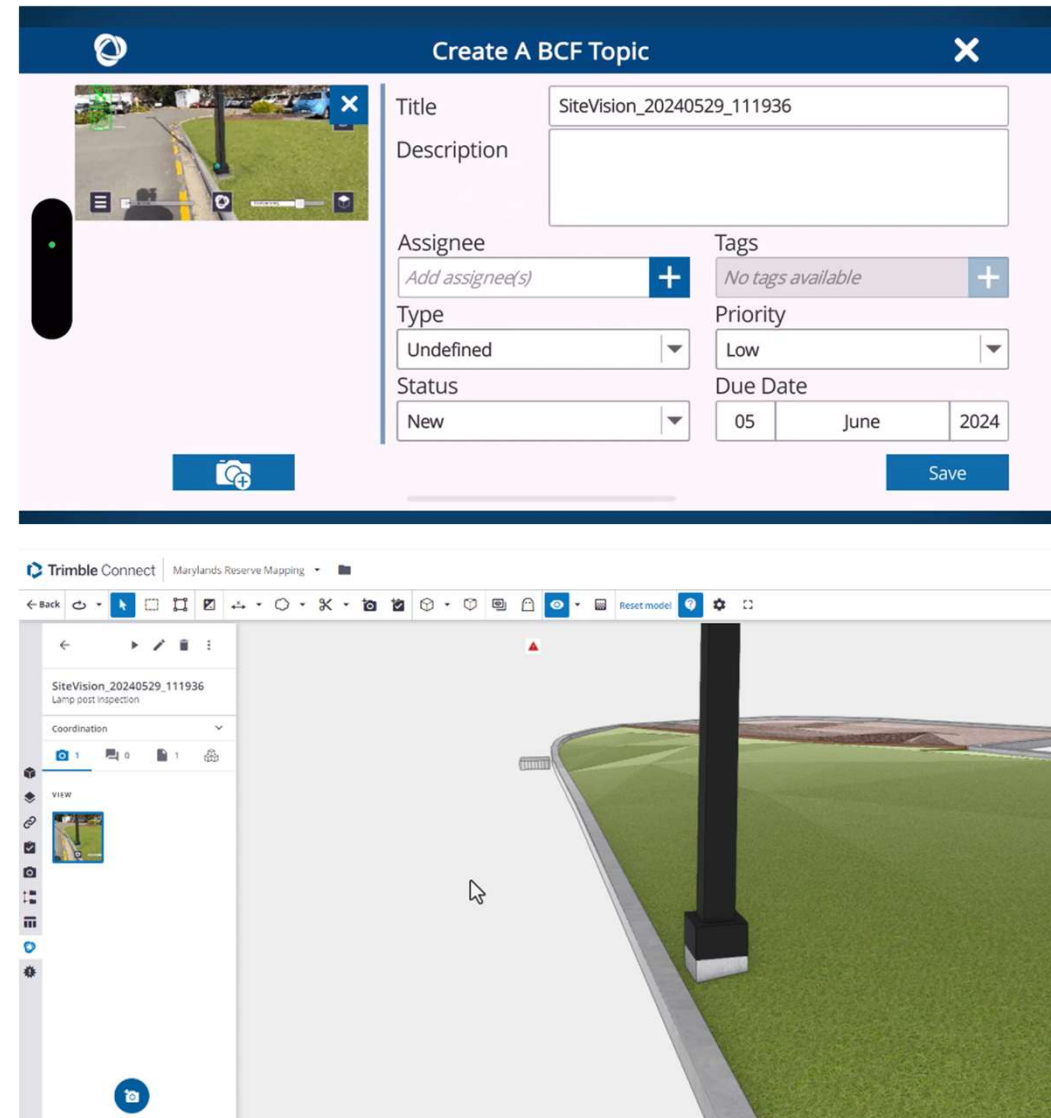
SiteVision Tools

10 Mini Apps for in field interaction with your data

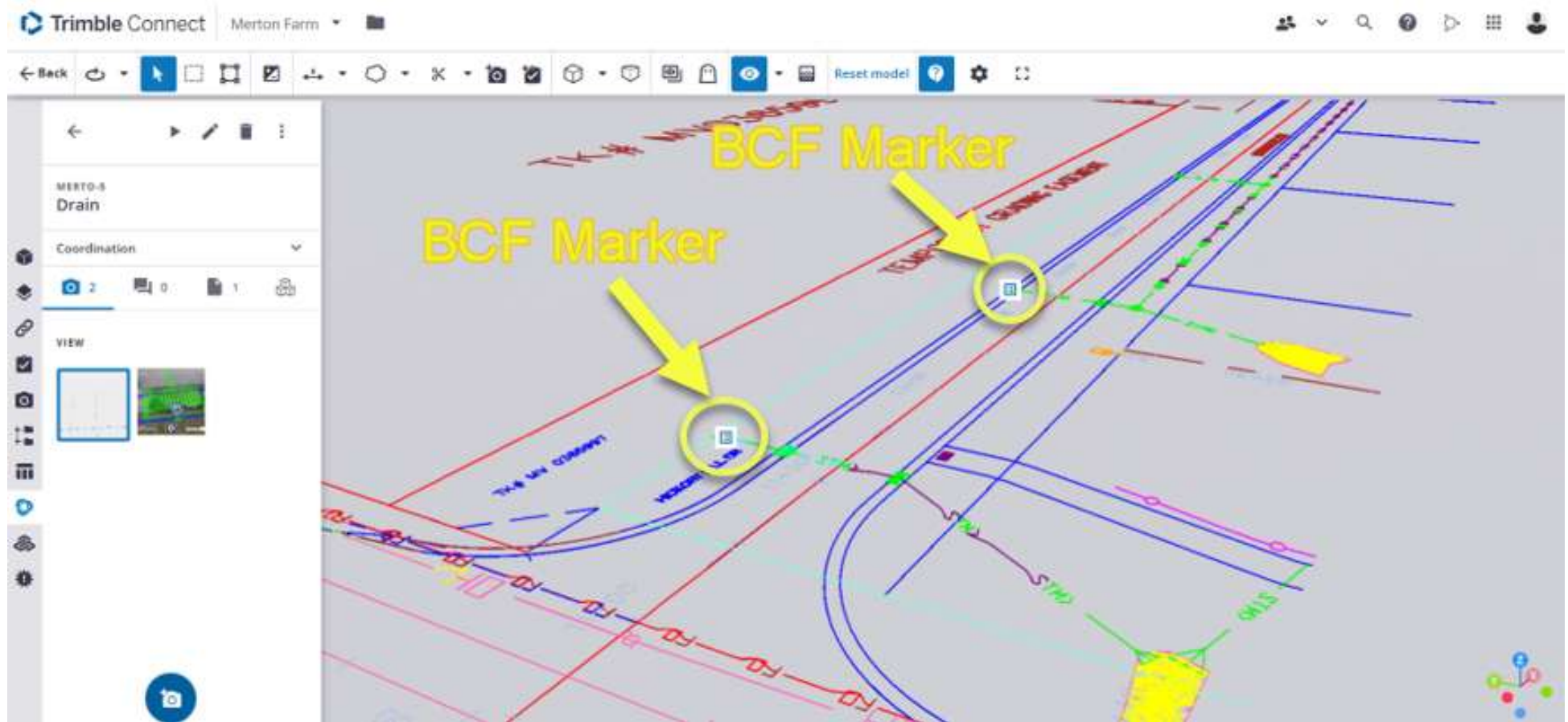


SiteVision BCF Topics

- Replaces and **upgrades** existing **ToDo** functionality
- **Industry standard** schema to capture and share issues
- Instantly navigate to the captured **3D viewpoint** inside Connect model viewer
- Export options
 - **PDF Report**
 - **BCF** file for collaboration via 3rd party applications

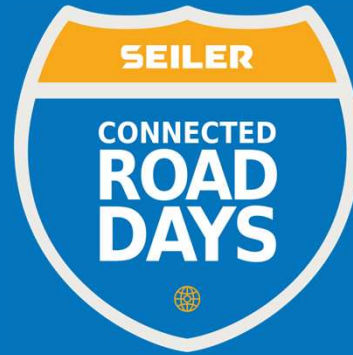


BCF Topics-Georeferenced Markers



BCF Topics-Georeferenced Markers





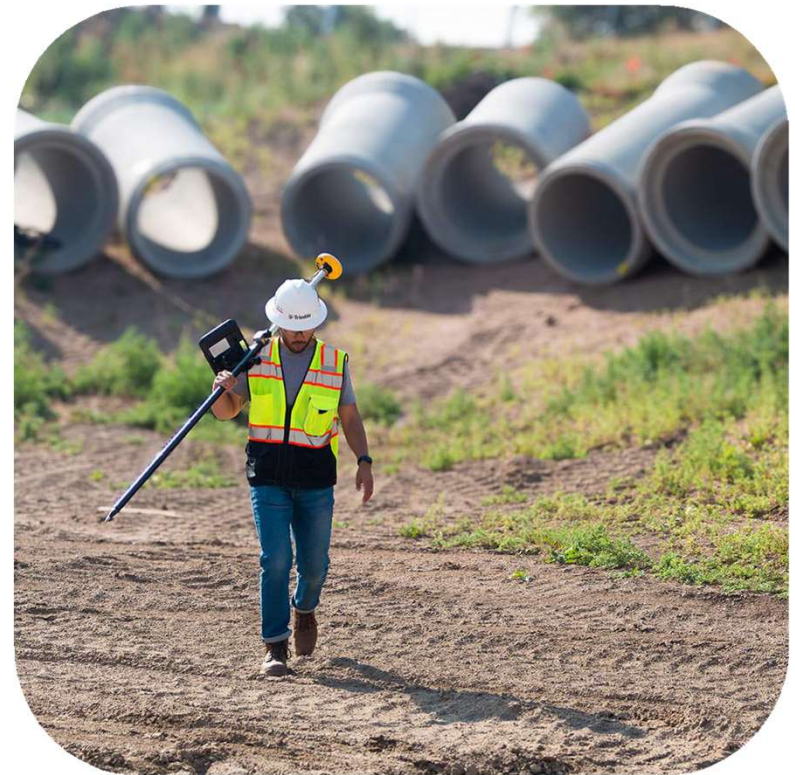
Trimble Measure Service

Construction Inspection

Target user: A Department of Transportation Construction Inspector
Using Infotech Mobile Inspector

Their Role:

- Ensure construction projects meet specifications, safety standards and regulatory requirements.
- Inspect materials, site measurements and check contractors work compliance.
- Prepare reports and documentation.



Benefits of digital inspection



Paper

- Manually transcribe measurements
- Duplication of efforts
- Lost records and difficult to share
- Time taken to deliver final reports high

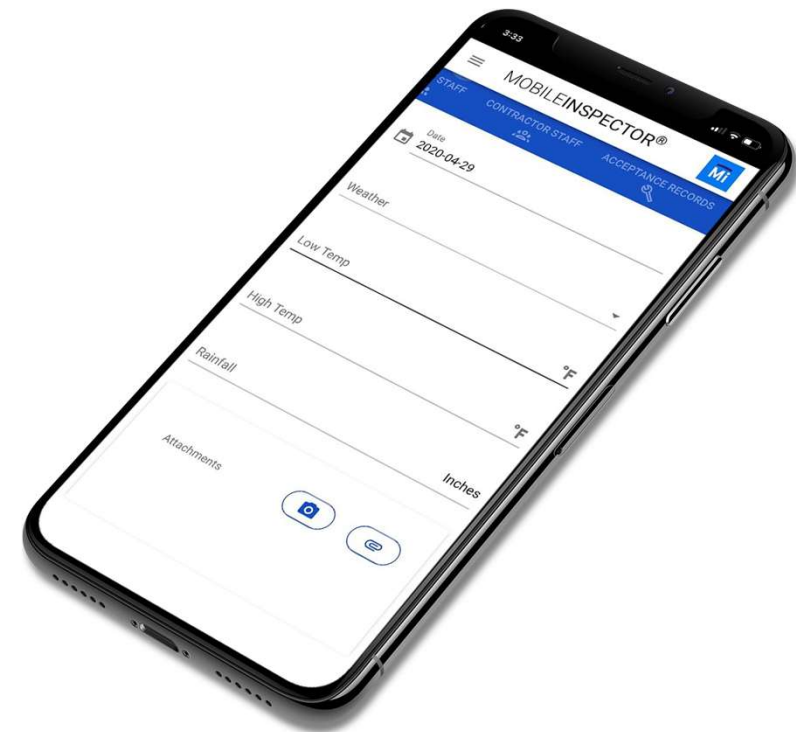


Digital

- Quickly and accurately gather field data / digital as-built collection
- Removes manual entry errors
- Sync between field and office
- Time stamps and details for dispute resolution
- Complete daily reports faster, accurate and quick payments to contractors

Infotech Mobile Inspector

- A web application that enables inspectors to collect the field data required for a daily report (online & offline).
- An extension of AASHTOWare Project Construction & Materials.
- Has an API that enables survey measurements to be shared from field applications.
- Application is licensed from AASHTO.



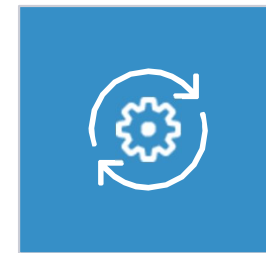
infotech

Trimble Measure Service

- Previously known as Trimble Access Mobile Inspector Measurement Service (MIMS).
 - A tool that enables communication between Infotech Mobile Inspector Application and Trimble Field Software.
 - Sending measurement items for daily work reports and payment.
 - Originally released for Mobile Inspector Application for Trimble Access on Windows in 2021.

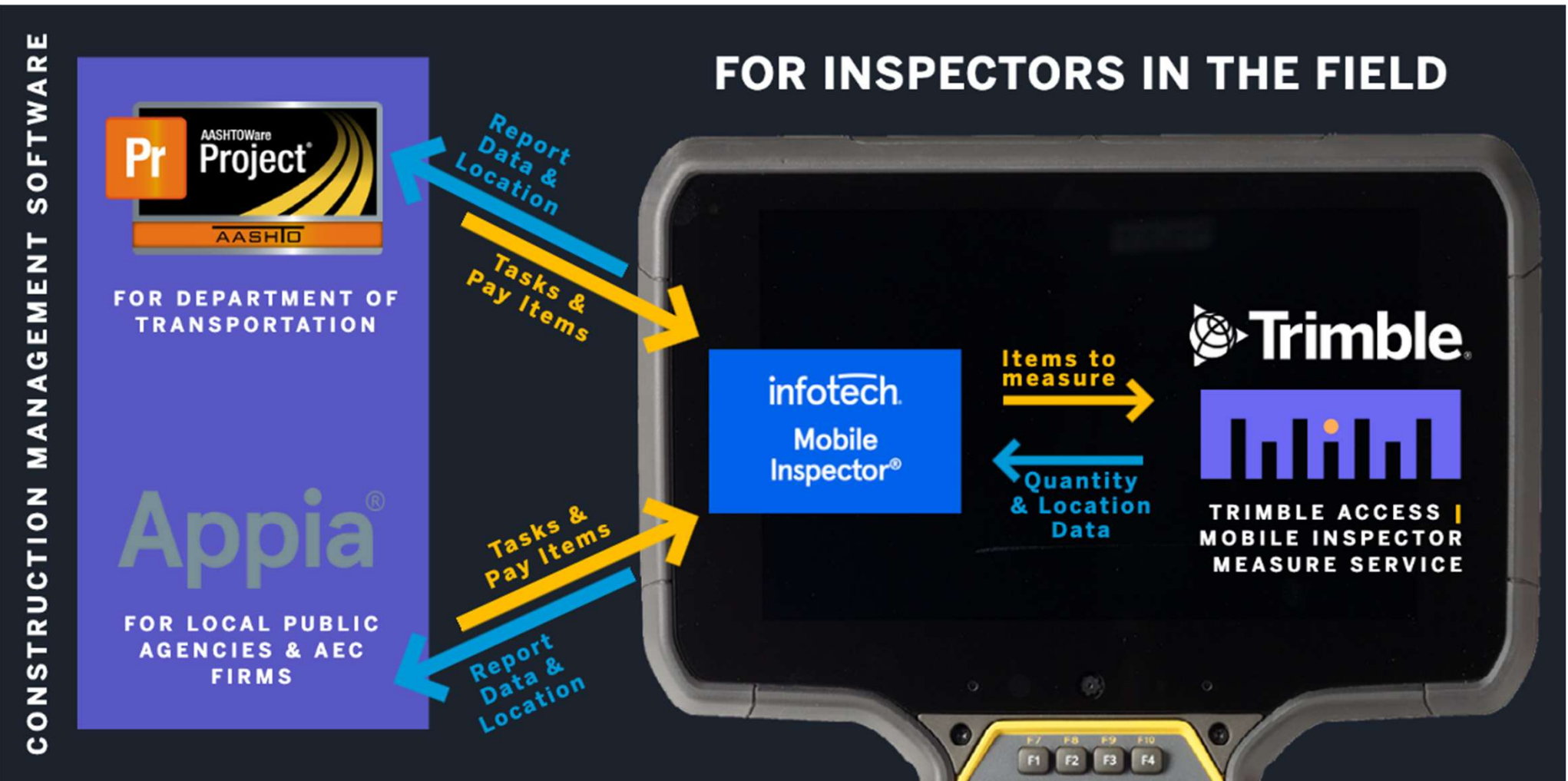


infotech®



 Trimble®

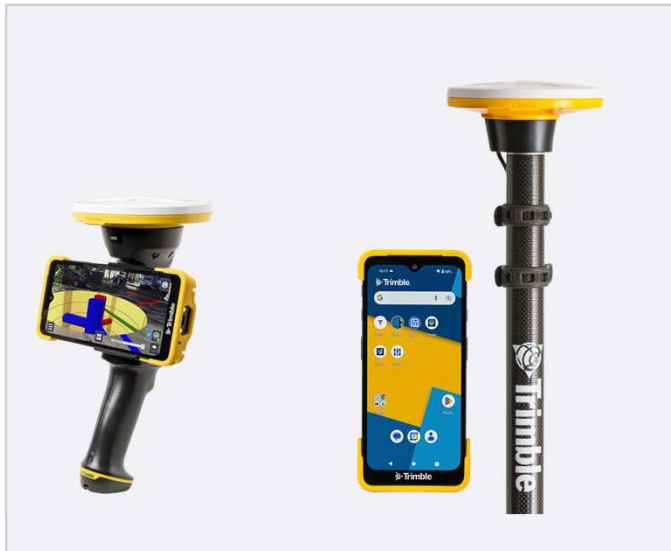
Trimble Measure Service



System Configuration



System Configuration



SiteVision



System Configuration

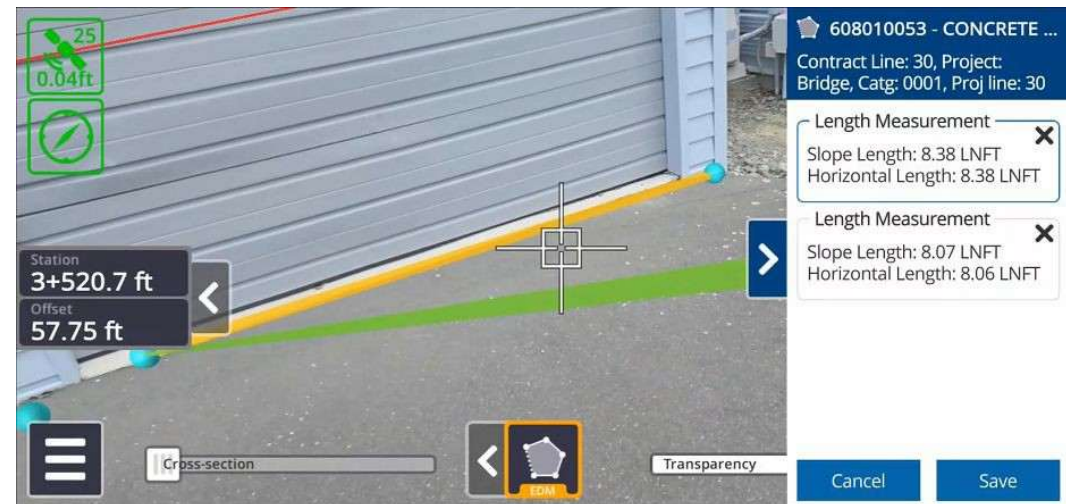


Trimble Access - Android & Windows

Trimble Measure Service-SiteVision

New Augmented Reality Workflows

- Support for MIMS posting of measurements
 - **Points**
 - **Lines**
 - **Areas**
 - **Volumes**
- **See** the measurements in AR to ensure you have the right data collected before posting
- **Attach** AR photographs to postings to provide context



Inspection			X
Import Units	Custom units file loaded.		Search
999554000 - FURNISH AND INSTALL PRECAST DECK	Contract Line: 90, Project: Sidewalk, Catg: 0001, Proj line: 90	LS	
608010053 - CONCRETE GRINDING	Contract Line: 30, Project: Bridge, Catg: 0001, Proj line: 30	LNFT	
202020136 - REMOVE CONCRETE PAVEMENT	Contract Line: 10, Project: Bridge, Catg: 0001, Proj line: 10	SQYD	
301020338 - EMULS ASPH TREATED BASE COURSE	Contract Line: 40, Project: Roundabout, Catg: 0001, Proj line: 40	CUYD	
			Measure

SEILER
**CONNECTED
ROAD
DAYS**

- Measure requests**

Area-202020136 - REMOVE CONCRETE PAVEMENT: [SQYD] Contract Line: 10, Project: Bridge, Catg: 0001, P...
Vol-551020030 - CONCRETE-CLASS DD ROAD: [CUYD] Contract Line: 20, Project: Bridge, Catg: 0001, Proj li...
Pt-554010253 - PRECAST END BENT: [EACH] Contract Line: 70, Project: Sidewalk, Catg: 0001, Proj line: 70
Len-608010053 - CONCRETE GRINDING: [LNFT] Contract Line: 30, Project: Bridge, Catg: 0001, Proj line: 30

Esc Refresh Measure

RTK H:0.02sft V:0.05sft ✓

Measurement request result

Shared area

Surface area
1969.969SQYD

Measurements

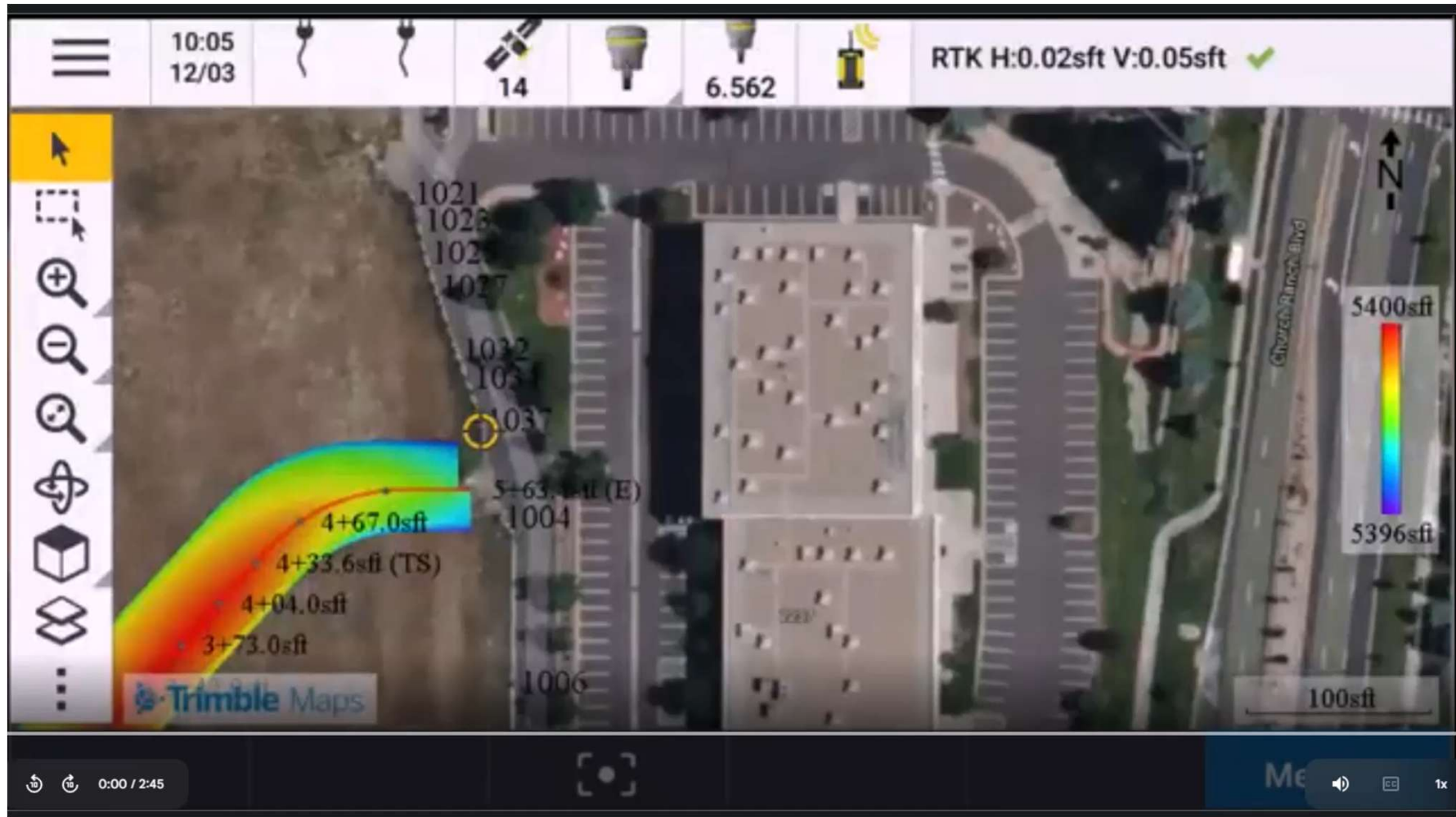
Selection
5129,5175,5171,5007

Surface area
1969.969SQYD

Plan area
1969.597SQYD

Perimeter
720.793sft

Trimble Measure Service-Access



A large, light blue stylized letter 'S' is centered in the background, enclosed within a circular frame of the same color. The 'S' is composed of thick, rounded strokes.

Thank You

The word 'SERIES' is written vertically in a light blue, blocky, sans-serif font along the right edge of the slide.