

WEBINAR 01 — ATTENDEE RESOURCE GUIDE

# Creating the Accurate Municipal Baseline

## Capturing the City — 3D Reality Data for Local Government

Local governments need a reliable understanding of existing conditions before they can plan, design, maintain or improve infrastructure. This session explores how 3D reality capture creates an accurate digital baseline of roads, buildings, utilities, public spaces and municipal assets.

60 minutes · 2026 dates to be announced · Live audience Q&A

Use this guide before, during and after the session: read the summary, follow the agenda, take notes in the space provided and bring your questions to the live Q&A.

**SESSION SUMMARY**

# Creating the Accurate Municipal Baseline

Local governments need a reliable understanding of existing conditions before they can plan, design, maintain or improve infrastructure. This session explores how 3D reality capture creates an accurate digital baseline of roads, buildings, utilities, public spaces and municipal assets.

Attendees will learn how a single high-quality dataset can support GIS, surveying, engineering, asset inventories and capital-project planning — while reducing repeat site visits and improving coordination across departments.

## Key topics covered

- Building an accurate record of existing conditions
- Capturing roads, buildings and public infrastructure
- Supporting GIS, CAD and engineering workflows
- Reducing duplicated fieldwork
- Creating reusable data for multiple departments

## What you should leave with

- How to scope a baseline capture project for a corridor, campus or district
- Which capture methods (terrestrial, mobile, handheld, aerial) fit which municipal asset
- How to set accuracy and deliverable requirements that downstream teams can actually use
- How to publish one dataset that GIS, engineering and public works all draw from

## Who this session is for

Public works directors, city and county engineers, GIS directors and managers, survey and mapping teams, transportation departments, facilities and asset managers, capital projects teams, police and fire departments, emergency management, and water and wastewater utilities.

## AGENDA

## How the hour is structured

Timings are approximate. The session runs 60 minutes with live Q&A in the final segment.

| TIME        | SEGMENT                                           | LED BY            |
|-------------|---------------------------------------------------|-------------------|
| 0:00 – 0:05 | Welcome & series introduction                     | ConnectMii Events |
| 0:05 – 0:15 | Framing the problem: the local-government context | Moderator         |
| 0:15 – 0:35 | Technology session: reality capture in practice   | FARO              |
| 0:35 – 0:50 | Practitioner case study from a public agency      | Guest speaker     |
| 0:50 – 0:58 | Live audience Q&A                                 | All speakers      |
| 0:58 – 1:00 | Wrap-up, resources & next session                 | Moderator         |

### Pre-session checklist

Review these before the session so the discussion lands on your own situation. Tick what your agency can already defend with evidence.

- ☐ We can name the departments that would reuse a shared baseline dataset
- ☐ Our accuracy requirement is written down and tied to a decision, not a preference
- ☐ We know how often each asset class changes and needs recapture
- ☐ We have a place to store and serve point clouds and imagery agency-wide
- ☐ We can identify one corridor or facility to use as a pilot

## SPEAKERS

## Who you will hear from

The full speaker line-up for this session is confirmed ahead of the event date. Registered attendees receive bios and affiliations by email.

## FARO TECHNOLOGY SPECIALIST

**Speaker to be announced**

A FARO reality-capture specialist will walk through the hardware, software and field workflows behind the session topic, with real project examples drawn from public-sector deployments across North America.

## PUBLIC AGENCY PRACTITIONER

**Speaker to be announced**

A practitioner from a city, county or public agency shares how their team put 3D reality data to work — what they captured, what it cost, what changed, and what they would do differently.

## SESSION MODERATOR

**ConnectMii Events**

ConnectMii Events produces the Capturing the City series and moderates each session, keeping the discussion practical and focused on the needs of local-government teams.

**NOTES**

# Your notes

Capture what applies to your agency: assets, workflows, costs, blockers and next steps.

**Key points from the session**

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**Ideas that apply to my agency**

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NOTES

# Actions and follow-ups

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Resources or contacts to request

## LIVE Q&amp;A

# Prepare your questions

The session closes with live audience Q&A. The most useful questions name a specific asset, department, budget constraint or workflow you are dealing with. Draft yours below and submit them in the Q&A panel during the session.

## Prompts to get you started

- Which asset class in our jurisdiction would benefit most from an accurate baseline?
- What repeated field visits could a shared dataset eliminate this year?
- Who would own the data once it exists?

### My questions for the panel

#### Question 1

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#### Question 2

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#### Question 3

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#### Question 4

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Didn't get your question answered live? Email it to [info@connectmiievents.com](mailto:info@connectmiievents.com) and the team will follow up after the session.