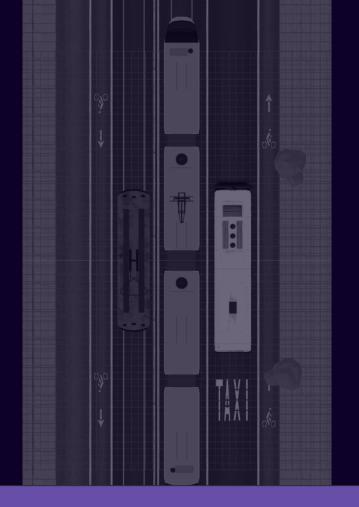
Community-Led Prototyping with Open-Source Street Design Tools

Equity Committee for California Transportation Agencies

April 5, 2024

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About Us

Collaborators



Kieran Farr

Tech Founder, Engineer, and Operator











Diego Marcos A-Frame creator, web 3D expert















Transportation Advocacy









Marc Schlossberg Professor, City & Regional Planning, University of Oregon







SAFER 17TH STREET INITIATIVE

3D**Street**

Agenda

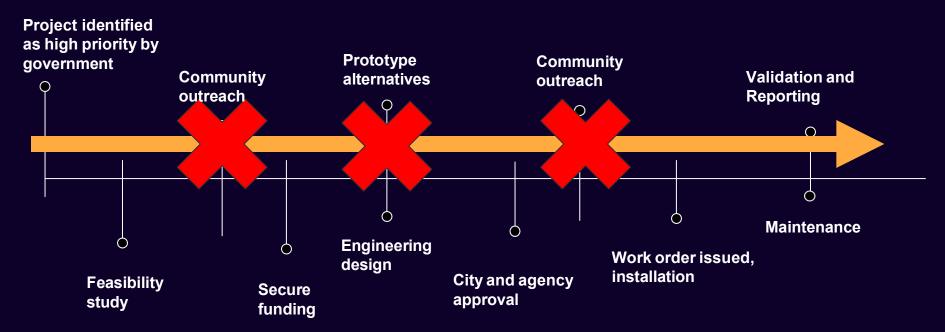
- Why community-led prototyping?
- How do professional engineers & practitioners use the tools?
- How do communities and advocates use these tools?
- Advanced geospatial meets augmented reality
- How to get started?
- Please schedule 1:1 convos to explore your use cases & ideas!
 - https://calendly.com/kieranfarr/3dstreet

to their streets.

It's very hard for people to imagine changes

This leads to projects that get pushback, no political support, water down, delay or cancellation.

Typical street improvement project timeline

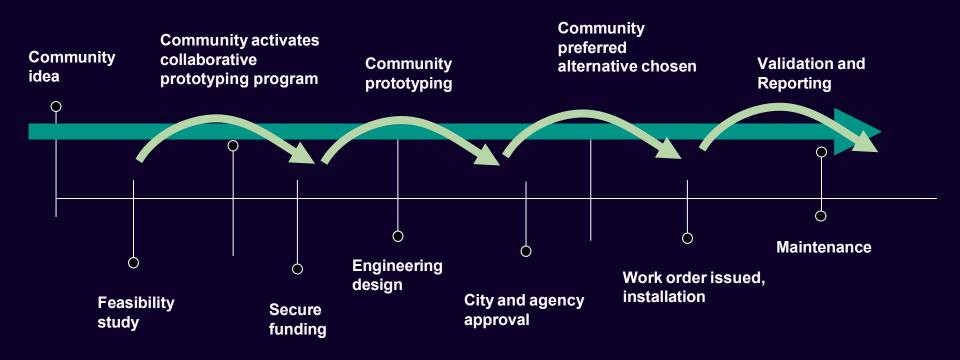




- Community says "NO" and stops projects because of inability to provide rational & feasible feedback

Instead, get more projects done faster with community-led prototyping and continuous collaboration.

Improved project timeline



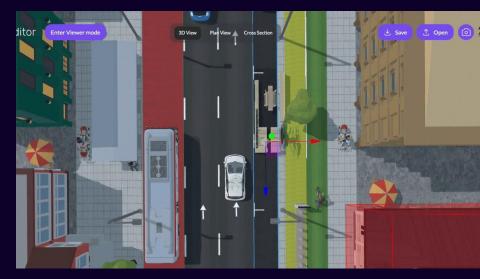
- Community says "YES" and pulls popular projects forward quickly to completion

time spatial collaboration.

Need a common visual language for real

With open-source street design tools, you can prototype instantly.



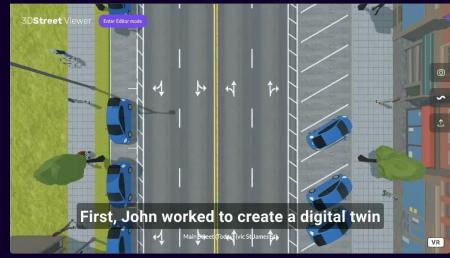


Case Study: Town of Manchester, CT



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Next gen street tools are for everyone.

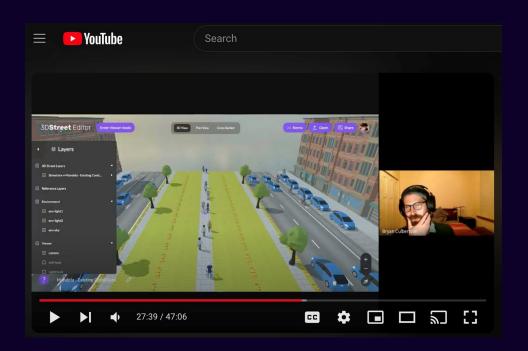
Not just professionals.

Safe Street Rapid Prototyping Process

Streetmix.net → **3DStreet.app**



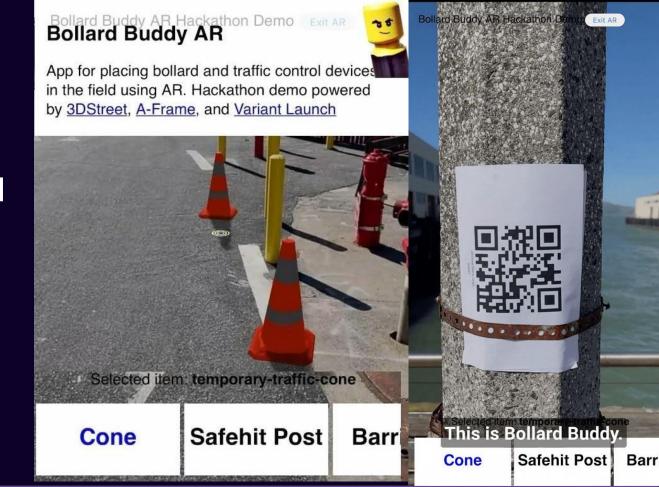
Transport Oakland hands-on design webinar





New research and pilots: GIS meets Augmented Reality

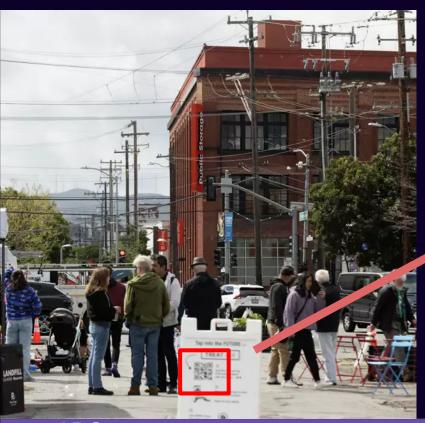
Use the real world as your canvas with any phone.



Integrate AR field survey with existing geospatial sources.



Community outreach through AR







3D**Street**

"Open Core" Business Model Always free for basic software features

Supported by paid features and services:

- Advanced geospatial features like 3D maps & AR
- Custom feature & app development services
- Outreach technology consulting
- Paid project pilots to research tool effectiveness
- Group training courses for all skill levels
- Innovation consulting on GIS, AI, AR, VR

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