



Speakers:

- Steven Frieson - Chief Operating Officer/Principal Engineer at Alta Planning + Design, Inc.
- Nicole Ferrara - Policy and Intergovernmental Affairs Advisor at the City of Oakland.
- Vignesh Swaminathan - Principal in Charge and Project Manager at Crossroad Lab



SACRAMENTO STATE
COLLEGE OF CONTINUING EDUCATION

What is Quick Build?

- Quick-build is a method to help local governments improve communities for walking, bicycling, and micro-mobility on a minimal budget and on a compressed timeline.
- Quick-build projects install bicycle, pedestrian or traffic safety improvements using low-cost materials that can be installed quickly.
- Quick-build projects are flexible and designed to be easily changed or even removed if necessary.
- Quick-build projects are **not** pop-up or demonstration projects that are intended to be removed after a short period.



SACRAMENTO STATE
COLLEGE OF CONTINUING EDUCATION

Why Quick Build?

- Quick-build presents tremendous opportunities to implement projects in compressed timelines and with fewer resources while accommodating and meeting increased demand for walking, bicycling, and micro-mobility.
- Communities get to see and adjust what works on the ground, rather than in theory.
- Public input and feedback on a quick-build design can inform the development of the eventual project.



SACRAMENTO STATE
COLLEGE OF CONTINUING EDUCATION

Why Quick Build?

- Accelerated expansion of a pedestrian or bicycle transportation network to connect jobs, homes and essential services
- Implementation of active transportation networks in a more equitable manner



SACRAMENTO STATE
COLLEGE OF CONTINUING EDUCATION

The Quick Build Process

- Planning
- Design
- Implementation
- Maintenance



SACRAMENTO STATE
COLLEGE OF CONTINUING EDUCATION

The Quick Build Process - Planning

- Assemble the Team
 - Key Coordinator/Project Lead
 - Planners
 - Engineers
 - Others?
- Define Project Goals
- Identify Resources
 - Staff
 - Materials



SACRAMENTO STATE
COLLEGE OF CONTINUING EDUCATION

The Quick Build Process - Planning

- Use existing contracts when in-house resources are lacking
 - On-Call
 - IDIQ
- Take advantage of predictable opportunities
 - Upcoming paving or striping projects
 - Leverage an Existing Plan
 - ATP, Bicycle or Pedestrian Masterplans
- Advocate for more funding for quick-build!



SACRAMENTO STATE
COLLEGE OF CONTINUING EDUCATION

The Quick Build Process - Design

Apply appropriate standards:

- ADA
- CA-MUTCD
- NACTO: Urban Bikeway Design Guide
- Caltrans
- Local Standards



SACRAMENTO STATE
COLLEGE OF CONTINUING EDUCATION

The Quick Build Process - Design

- Utilize standard details for:
 - Separated Bikeways
 - Transit Stops
 - Transition zones
 - Intersections

Avoid non-standard design whenever possible!



SACRAMENTO STATE
COLLEGE OF CONTINUING EDUCATION

The Quick Build Process - Design

- Avoid Reconstruction
 - Curb and gutter
 - Drainage structures
 - Traffic Signals

Design within the existing roadbed - Saves time and money!



SACRAMENTO STATE
COLLEGE OF CONTINUING EDUCATION

The Quick Build Process - Implementation

- Understand Funding Sources and Requirements
 - Federal
 - State/Local
 - Donations
- Local Agency Approval Process
 - Reviews – Streamline where possible
 - Permits – Expedited Process, requires early communication
- Construction
 - Leverage existing material stockpiles
 - Signs, barricades



SACRAMENTO STATE
COLLEGE OF CONTINUING EDUCATION

The Quick Build Process - Maintenance

- How long does the installation need to last?
 - Affects Materials selection
- Is there sufficient access for maintenance and service equipment?
 - Street sweeping
 - Trash collection
- Who's responsible?
 - In-house Maintenance Staff
 - External hired forces
 - Volunteers



SACRAMENTO STATE
COLLEGE OF CONTINUING EDUCATION