



Not Giving Up At The Intersection: The Adams Avenue And Pinecreek Drive Intersection Multimodal Improvements

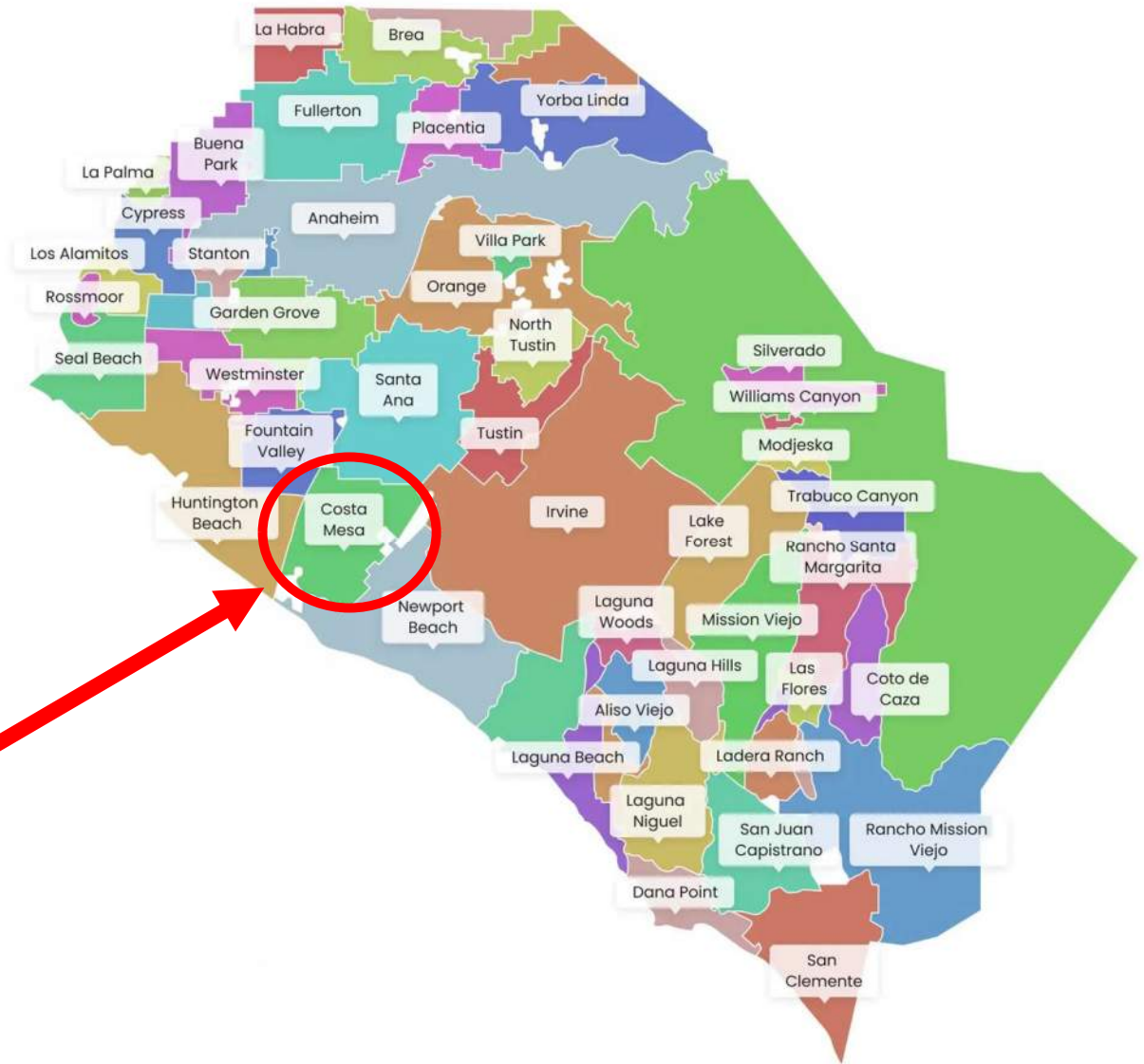
**ITE Western District Annual Meeting
June 30, 2026**

Ramin Nikoui, PE, TE, PTOE

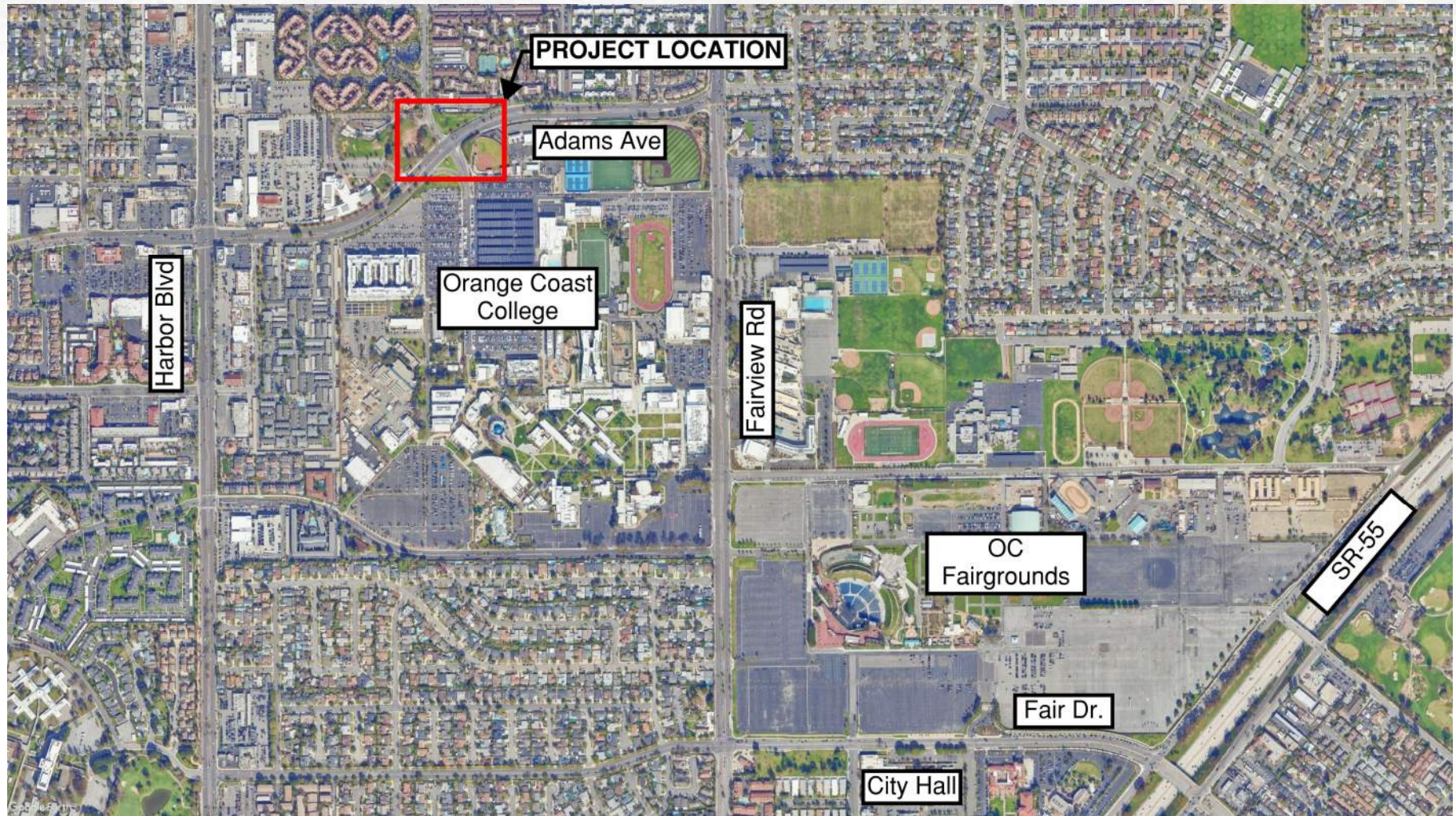


City of Costa Mesa

- Population: 108,000
- Area: 16 sq mi
- OC Fairgrounds
- South Coast Plaza
- Orange Coast College (OCC)

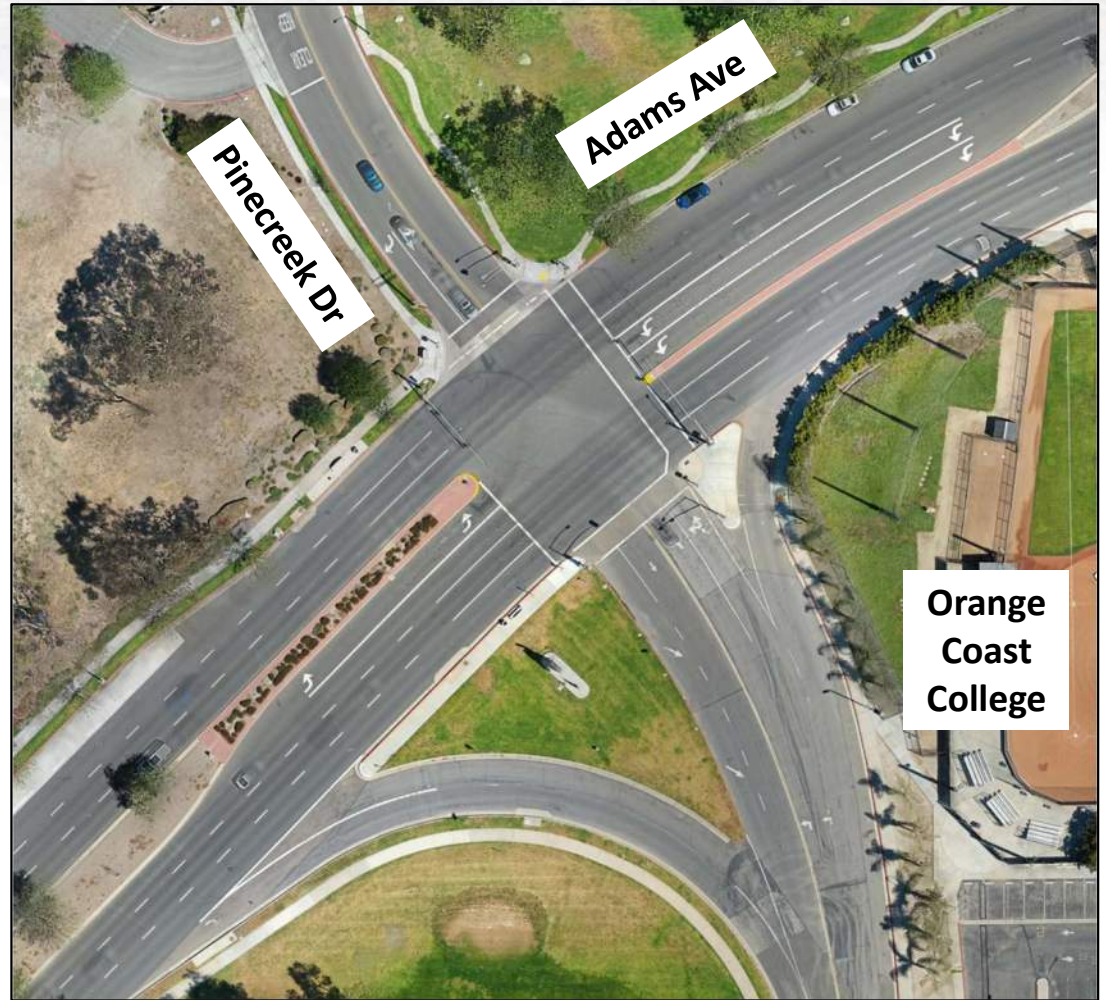


Adams Avenue & Pinecreek Drive



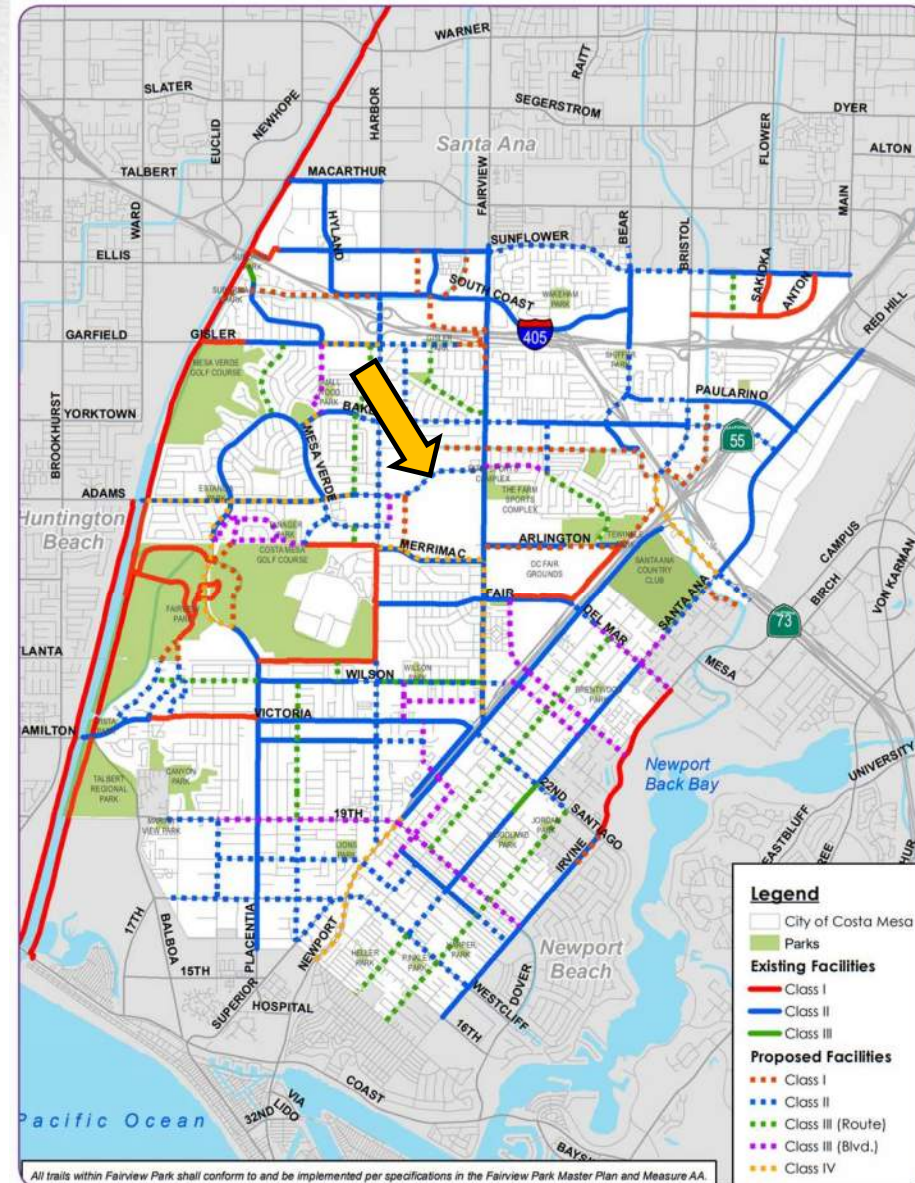
Background

- **Adams Avenue:**
 - Six (6) travel lanes with raised center median west of Pinecreek
 - Five (5) travel lanes with raised center median east of Pinecreek with on-street parking on north side
 - Posted Speed Limit: 35 mph (recently lowered from 40 mph)
- **Mobility and Safety Challenges:**
 - Pedestrian Accessibility
 - Slip Lanes
 - No Bicycle Infrastructure
 - Lighting and Visibility
 - High “Level of Traffic Stress”
 - 2024 Pedestrian Fatality

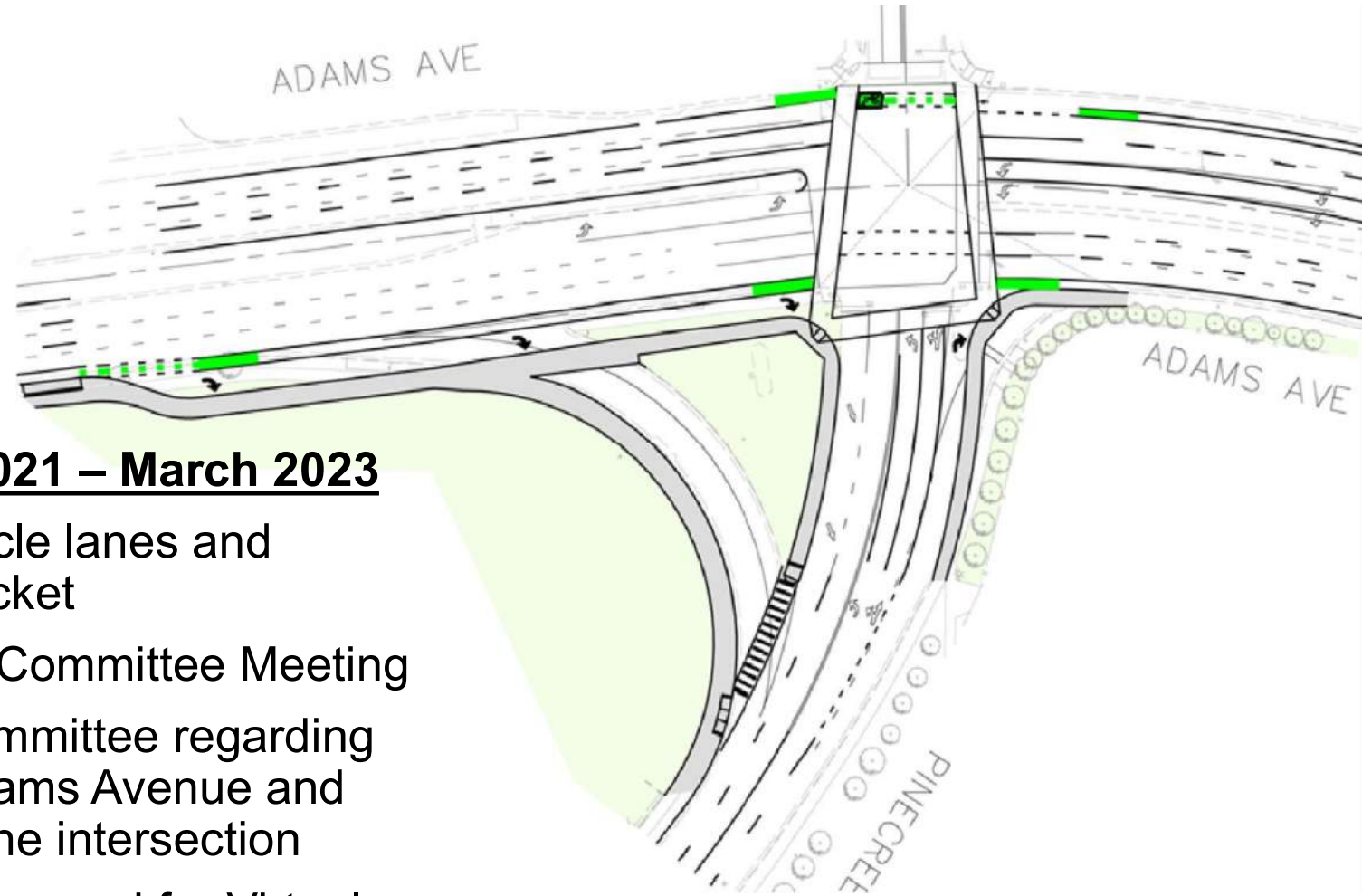


Background

- City adopted 2018 Active Transportation Plan: Class II Bicycle Lanes
- Awarded \$600,000 of federal CMAQ funds for design and construction through Orange County Transportation Authority (OCTA) 2019 Bicycle Corridor Improvement Program (BCIP)
- Broad grant scope: “pedestrian and bicycle intersection improvements”
- Financial contribution from Orange Coast College



Early Concept



Design Phase: April 2021 – March 2023

- Design began as bicycle lanes and standard right turn pocket
- Active Transportation Committee Meeting
- Concerns from the committee regarding high speeds along Adams Avenue and bicyclist exposure at the intersection
- Project alternatives prepared for Virtual Community Outreach Meeting
- Multi-use Pathways







Project Features

- Construction Cost: \$2,960,000
- 14' Multi-Use Pathway
- Asphalt pathway
- Separate spaces for bicyclists and pedestrians
- Continuous green bicycle path (MMA)
- Custom-scale pedestrian and bicyclist pavement markings with directional arrows
- Pathway signage



Project Features

- Bicycle yield lines
- Pedestrian-scale high visibility crosswalk markings at pedestrian/bicycle path “slip lane”
- Crosshatched buffer between dedicated right turn lane and pathway



Project Features

- Buffered Bike Lanes
- Green Bicycle Box exiting Orange Coast College



Project Features

- High visibility crosswalks
- Green bicycle crossbike markings
- Advance stop bars
- New ADA Curb Ramps
- New streetlighting on south side of Adams Avenue
- Traffic Signal Modifications
 - New Signal Poles
 - Retroreflective Backplates
 - New APS & Bike Push Buttons
 - Video Detection
 - LPI



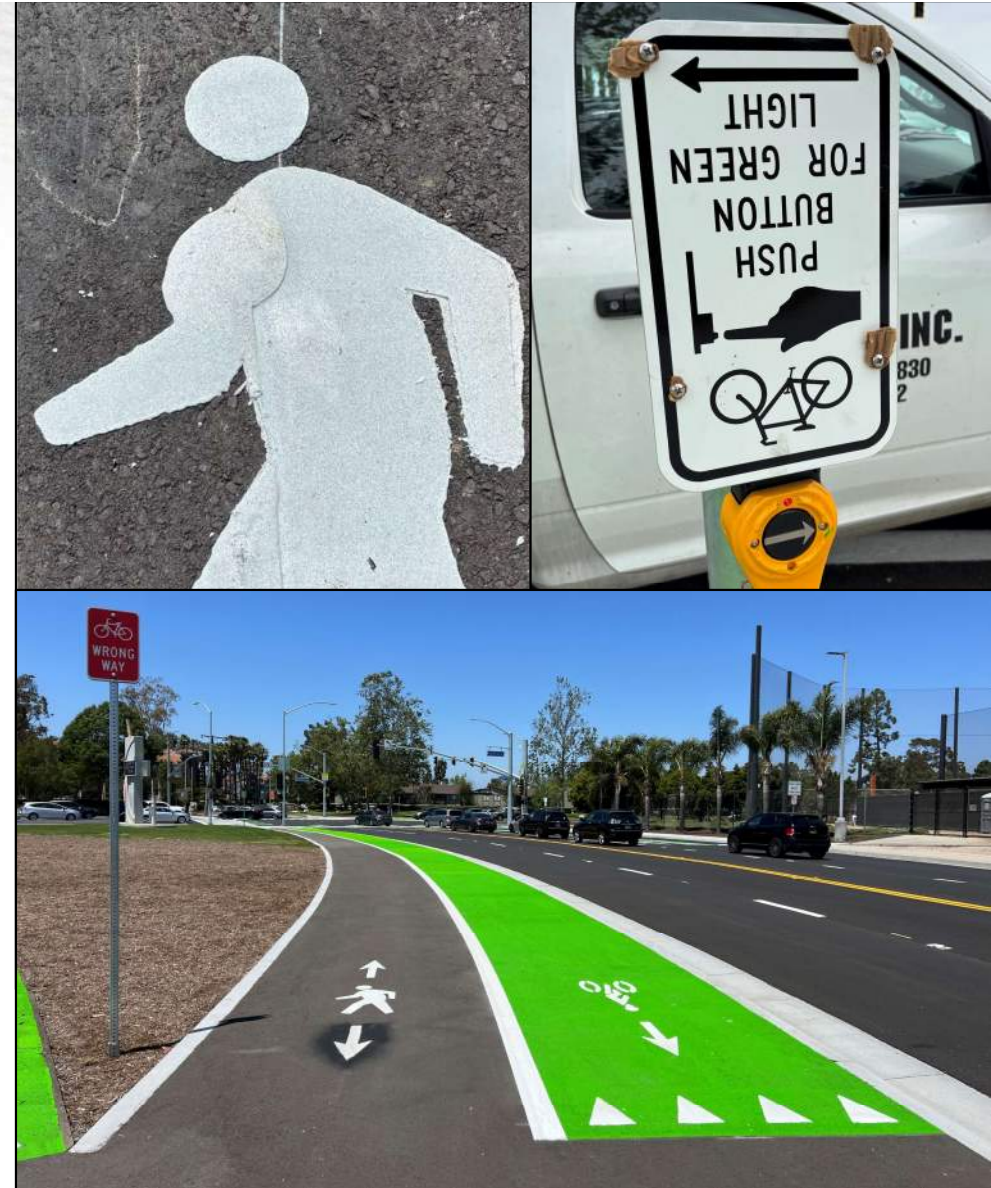
Project Features

- Bicycle ramps to ramp from future Class IV Cycle Tracks to Class I Pathway
- Signage
 - To guide bicyclists to ramp
 - Pathway mode assignment
 - Bicycle wrong way



Project Challenges/ Lessons Learned

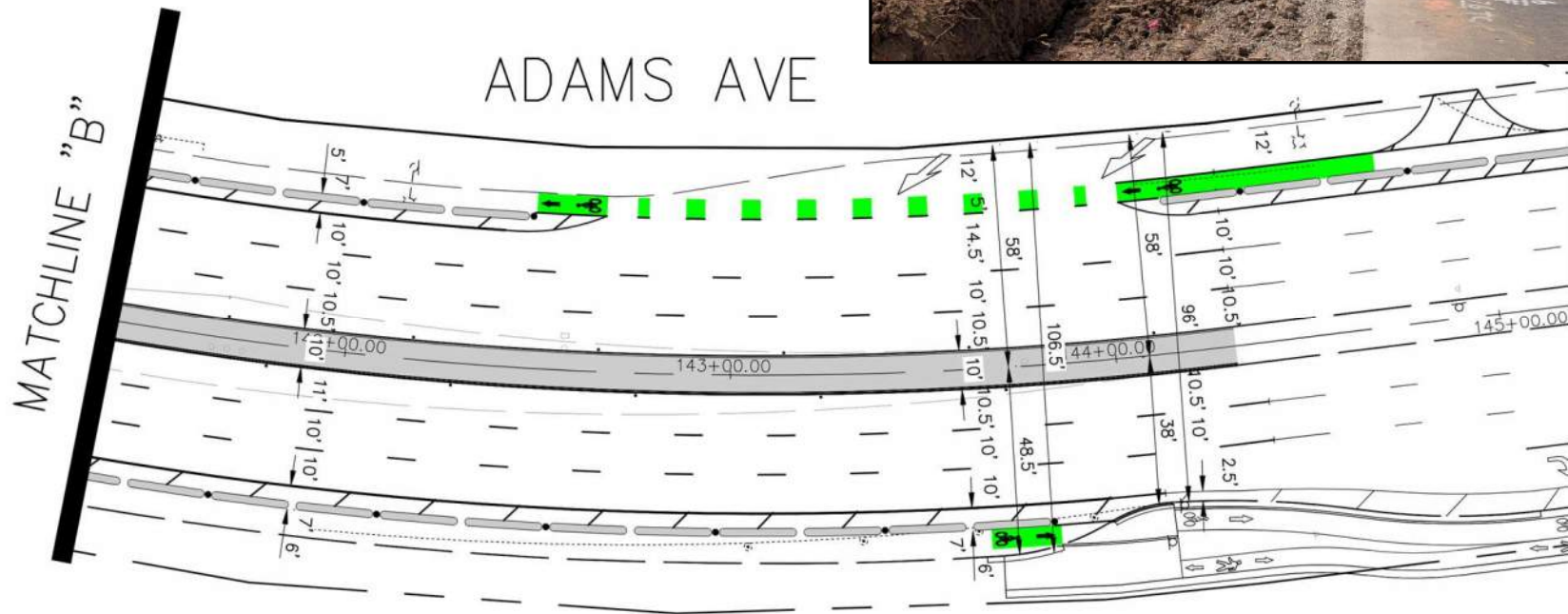
- Project budget
- Federal funding vs. Total Project Cost
- High construction bids
- Readvertising for bids is not always the best option
- Inspection/Cat-Tracking
- MMA lessons learned



Next Steps

Adams Avenue Bicycle Facility Project

- Narrowing medians
- Installation of extruded curb treatment + K-71





Thank you!

Ramin Nikoui, PE, TE, PTOE

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