



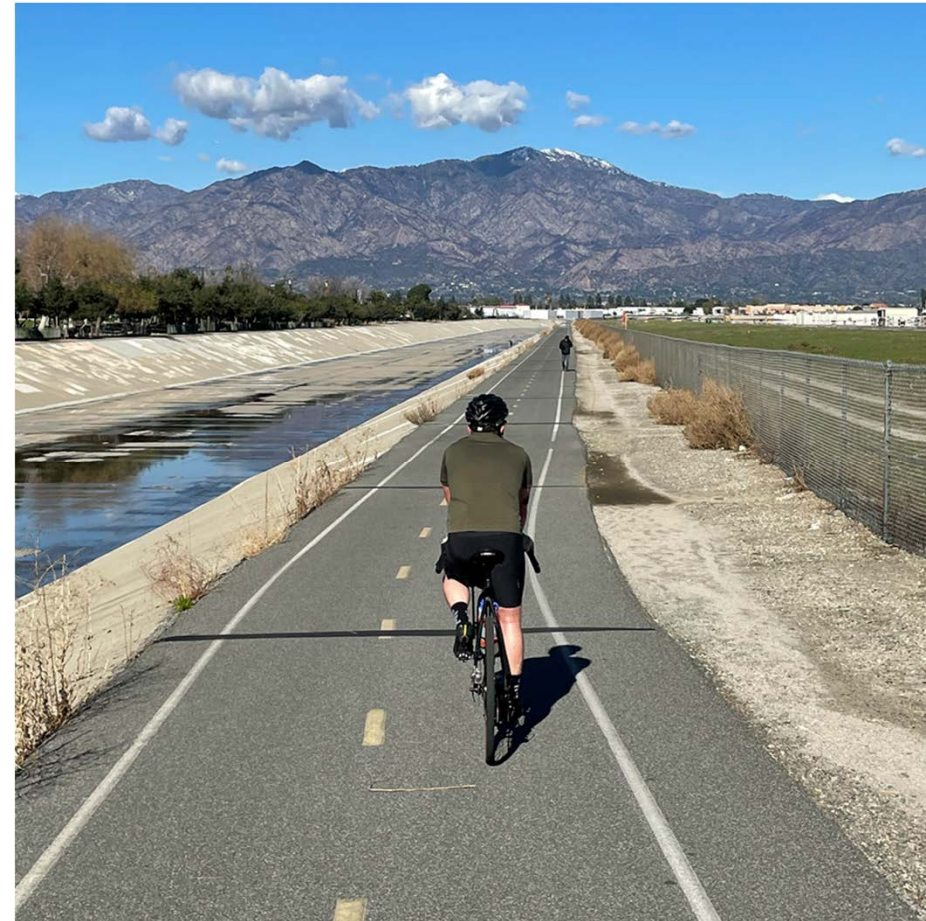
March 22, 2023

# The San Gabriel Valley Greenway Network Strategic Implementation Plan



# Welcome

- Agenda
  - Introduction
  - Schedule Update
  - Draft SGVGN Plan Update
    - Plan Sections
  - 3D Renderings Update
  - Group Discussion
  - Asks of the Steering Committee
  - Next Steps



# Schedule Update





# WE ARE HERE



## Efforts & Studies Aug 2019 – Jul 2020

- Existing Studies & Plan Compilation

## Existing Conditions Jan 2020 – Aug 2021

- Database of Projects, As-Builts, and Potential Gaps
- Channel Geometric Characteristics and Design Flows

## Database & GIS Maps Apr 2020 – Summer 2022

- GIS Database
- Regulatory Roadmap
- GIS Mapping
- County Channel ROW GIS Mapping

## Develop Greenway Network Plan Apr 2020 – Winter 2024

- Tributary Maps - Complete
- Project Priority Matrix - Complete
- Potential Project List - Complete
- Final Bike Path Alternatives
- Final Conceptual Designs for Each Watershed
- Final Opportunities & Constraints
- Final Guidelines & Standards
- Draft Plan Development

## Environmental Documentation Nov 2021 – Winter 2024

- Environmental Strategy Technical Memo - Completed
- Scoping Meeting – Oct 4, 2022
- AB 52 Tribal Letters
- Project Description and Alternatives
- Draft PEIR



## Public Engagement Plan Nov 2019 – Summer 2022

- Graphic Standards
- Community Engagement Plan
- Community Workshops
- Online Survey
- Pop-Up Events

## Public Engagement Plan Fall 2022 – Fall 2024

- Potential Community Events
- Pop-Up Events
- Website - Ongoing



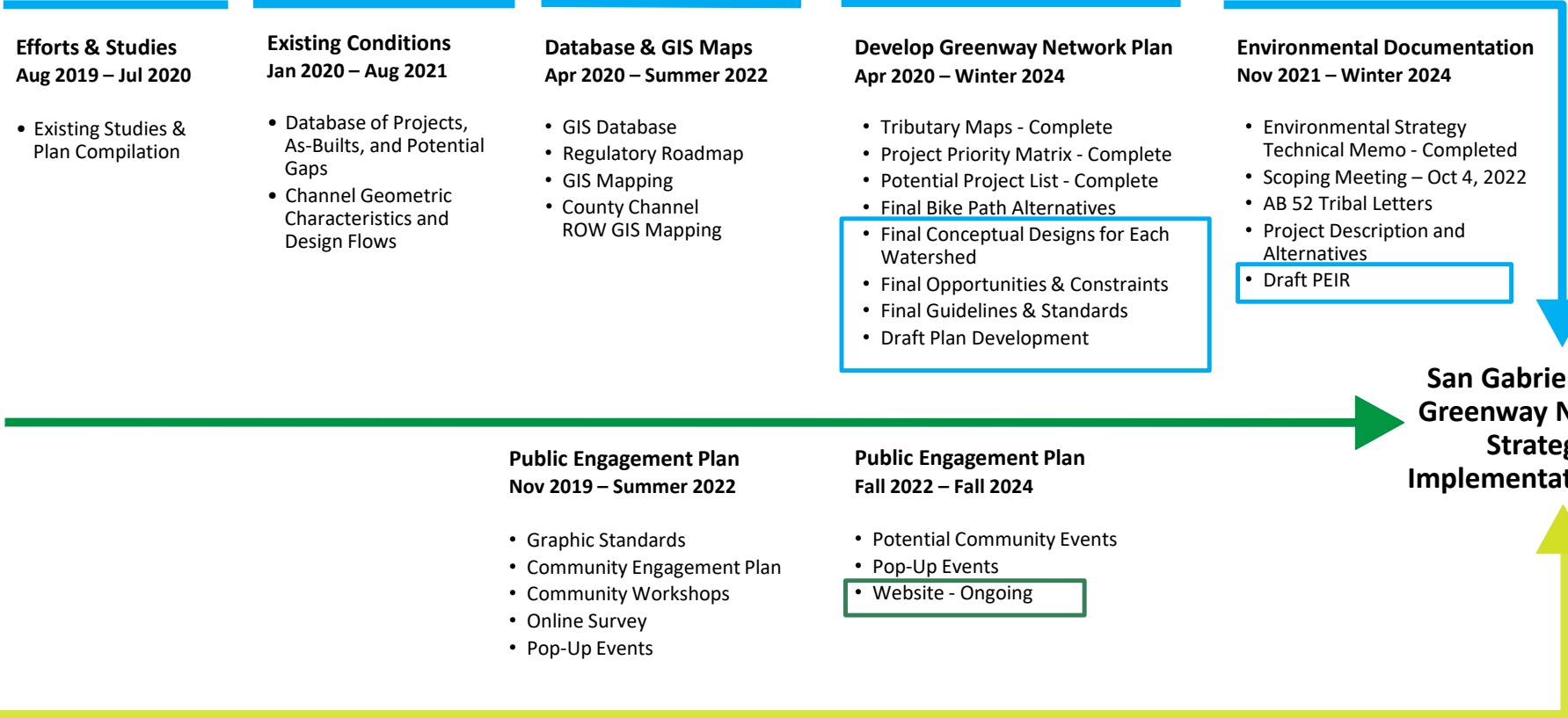
## Steering Committee Meetings Apr 2020 – Jan 2023

- Conceptual Designs
- Design Guidelines and Standards
- Draft Plan Review

## Steering Committee Meeting Mar 2023

- SGV Draft Plan Update
- 3D Renderings Update

# San Gabriel Valley Greenway Network Strategic Implementation Plan



# Draft SGVGN Plan Update







**May 2023**

- Steering Committee to receive Plan

**June 2023**

- Steering Committee Review Period Ends

**Summer 2023**

- Draft Plan Public Release for comment

# SGVGN Plan Sections

Tribal Land Acknowledgment

Director's Message

List of Abbreviations

Executive Summary

1. Introduction
2. Existing Conditions Summary
3. Engagement Strategy and Results
4. Project Opportunities Analysis
5. Greenway Conceptual Design Development
6. Project Implementation Strategies

7. Limitations

8. Resources

9. Appendices

# SGVGN Plan Sections

## 1. Introduction

- 1.1 Plan Goals
- 1.2 Plan Partners and Planning Team
- 1.3 Background and Introduction to the Project Area
- 1.4 The Project Study Area
- 1.5 Approach to Plan Development
- 1.6 How to Use this Document

## 2. Existing Conditions Summary

- 2.1 Compilation of Efforts and Studies
- 2.2 Early Implementation Projects
- 2.3 Data Research and Digital Database Development
- 2.4 GIS Analysis, Database, and Mapping
- 2.5 Channel Characteristics
- 2.6 Tributary Narratives



# SGVGN Plan Sections

## 3. Engagement Strategy and Results

- 3.1 Community Engagement Plan
- 3.2 Engagement Leadership
- 3.3 Engagement with Municipal Stakeholders
- 3.4 Strategic Relations Engagement
- 3.5 Community Engagement Report and Integration of Community Feedback

## 4. Project Opportunities Analysis

- 4.1 Tributary Prioritization
- 4.2 Tier 1 Tributary Opportunities and Constraints

# SGVGN Plan Sections

## 5. Greenway Conceptual Design Development

- 5.1 Tier 1 Greenway Alignments
- 5.2 Crossings and Intersections
- 5.3 Potential Project Opportunities on Tier 1 Reaches
- 5.4 Conceptual Design
- 5.5 Estimated Conceptual Construction Cost



# SGVGN Plan Sections

## 6. Project Implementation Strategies

- 6.1 Project Development
- 6.2 Plan Resources for Project Development
  - 6.2.1 GIS Datasets
  - 6.2.2 Tributary Opportunities and Constraints
  - 6.2.3 Greenway Alignments
  - 6.2.4 Crossings and Intersections
  - 6.2.5 Potential Project Components
  - 6.2.6 Conceptual Designs
  - 6.2.7 Design Guidelines and Standards
  - 6.2.8 Summary of Technical Resources
- 6.3 Permitting and Approvals
- 6.4 Advancing Partnerships
  - 6.4.1 Community Involvement
  - 6.4.2 Management Authorities
  - 6.4.3 Advocacy and Non-Governmental Organizations
- 6.5 Community Engagement Mechanisms
- 6.6 Funding Sources
  - 6.6.1 Local Options
  - 6.6.2 State Options
  - 6.6.3 Federal Options

# Project Development Process – 5 Phases

STAGE	DESCRIPTION	INVOLVED PARTIES
 <b>PLANNING</b>	<ul style="list-style-type: none"> <li>• Partner/roles identification</li> <li>• Goals and objectives definition</li> <li>• Data collection</li> <li>• Opportunities and constraints analysis</li> <li>• Stakeholder and agency engagement</li> <li>• Concept development and cost estimating</li> <li>• Permitting and approval requirements and engagement</li> </ul>	<ul style="list-style-type: none"> <li>• Project proponent responsible with technical consultants assisting</li> <li>• Key regulatory liaisons engaged to understand approval requirements</li> <li>• Early stakeholder engagement essential to project success</li> </ul>
 <b>DESIGN AND PERMITTING</b>	<ul style="list-style-type: none"> <li>• Finalize greenway alignment</li> <li>• Project element selection and configuration</li> <li>• Conceptual design</li> <li>• Detailed design, O&amp;M plan/agreement, and cost estimating</li> <li>• Permit applications and environmental documentation submitted, RAI responses until approved</li> </ul>	<ul style="list-style-type: none"> <li>• Project proponent responsible with technical consultants assisting</li> <li>• Adjacent projects/communities coordination</li> <li>• Regulatory liaisons for project review and approval</li> <li>• Stakeholder coordination on design (public and advocacy groups)</li> </ul>
 <b>BIDDING</b>	<ul style="list-style-type: none"> <li>• Bid package preparation (final construction and bid documents)</li> <li>• Bid advertisement and pre-bid meeting</li> <li>• Bid addenda issued</li> <li>• Bid opening</li> <li>• Bid assessment and award</li> </ul>	<ul style="list-style-type: none"> <li>• Project proponent responsible with assistance from technical consultants</li> <li>• Adjacent projects/communities coordination</li> <li>• Stakeholder coordination on construction expectations and support (public and advocacy groups)</li> </ul>
 <b>CONSTRUCTION</b>	<ul style="list-style-type: none"> <li>• Construction</li> <li>• Administration and inspections</li> <li>• Submittal and pay application reviews</li> <li>• Periodic meetings</li> <li>• Design amendments/change orders, if needed</li> <li>• Final inspections and close-out</li> <li>• Permit clearances</li> </ul>	<ul style="list-style-type: none"> <li>• Project proponent is Owner</li> <li>• Technical consultants provides services per Owner</li> <li>• Adjacent projects/communities coordination</li> <li>• Regulatory liaison coordination</li> <li>• Stakeholder coordination, progress and addressing issues</li> </ul>
 <b>OPERATIONS &amp; MAINTENANCE</b>	<ul style="list-style-type: none"> <li>• O&amp;M Plan finalized with responsibilities</li> <li>• Post-construction activities maintain greenway and components to level of service</li> <li>• O&amp;M reporting as required</li> </ul>	<ul style="list-style-type: none"> <li>• Project proponent responsible</li> <li>• Project partners if performing some O&amp;M activities</li> <li>• Contractors, if responsible for O&amp;M</li> <li>• Regulatory liaisons if permitting requirements</li> <li>• Stakeholder feedback on O&amp;M needs or general issues</li> </ul>

 **Community and stakeholder engagements should occur throughout the project life.**

# Design Guidelines and Standards



## PLANNING, DESIGN, & PERMITTING

### Section 2: Greenway Uses and Project Design:

- 2.1 Design Priorities
- 2.2 Design Guidelines and Technical Resources
- 2.3 Project Success Factors

### Section 3: Potential Users

- 3.1 Pedestrians
- 3.2 Bicyclists
- 3.3 Equestrians
- 3.4 Access for Emergency and Maintenance Vehicles
- 3.5 Proposed Greenway Usage

### Section 4: Class I Bikeway and Multi-Use Greenway Design Criteria

- 4.2 Definition
- 4.3 Multi-Use Greenways
- 4.4 Potential Greenway Configurations
- 4.5 Bikeway Characteristics
- 4.6 Multi-Use Greenway Characteristics
- 4.7 Grade-Separated Crossings
- 4.8 Railroad Grade Crossings
- 4.9 Cantilever Sections

### Section 5: Class II Bikeway Design Criteria

- 5.2 Definition
- 5.3 Potential Configurations
- 5.4 Standard Characteristics
- 5.5 Pavement Markings
- 5.6 Intersections

### Section 6: Class III Bikeway Design Criteria

- 6.2 Definition
- 6.3 Standard Characteristics

### Section 7: Class IV Bikeway Design Criteria

- 7.2 Definition
- 7.3 Potential Configurations
- 7.4 Standard Characteristics
- 7.5 Pavement Markings
- 7.6 Intersections

### Section 8: Bikeway Signage and Marking

- 8.2 Wayfinding Signage
- 8.3 Pavement Markings

### Section 9: Intersection Design

- 9.2 Uncontrolled Mid-Block Crossing
- 9.3 Crossing of an Uncontrolled Approach Adjacent to an Intersection
- 9.4 Crossing at a Signalized Intersection

### Section 10: Architectural and Safety Elements

- 10.2 Fencing
- 10.3 Guardrails/Railings/Barriers
- 10.4 Privacy Screens
- 10.5 Gates
- 10.6 Lighting
- 10.7 Seating
- 10.8 Bicycle Parking
- 10.9 Equestrian Amenities
- 10.10 Landscaping
- 10.11 Gateways

### Section 11: Stormwater Management

- 11.2 Stormwater Management Requirements
- 11.3 BMP Elements and Design Considerations
- 11.4 Subsurface Requirements and Setbacks
- 11.5 Coordination with LACFCD and/or USACE



## OPERATIONS & MAINTENANCE

### Section 12: Operations & Maintenance

- 12.1 Responsibilities of LACFCD
- 12.2 O&M Responsibilities
- 12.3 SCVGN Operating Hours
- 12.4 Graffiti
- 12.5 Litter Control
- 12.6 Hardscape
- 12.7 Multi-Use Greenway Features
- 12.8 Restriping
- 12.9 Stormwater BMP O&M
- 12.10 Cost Sharing Partnerships and Funding Opportunities



# Funding Sources

## Local

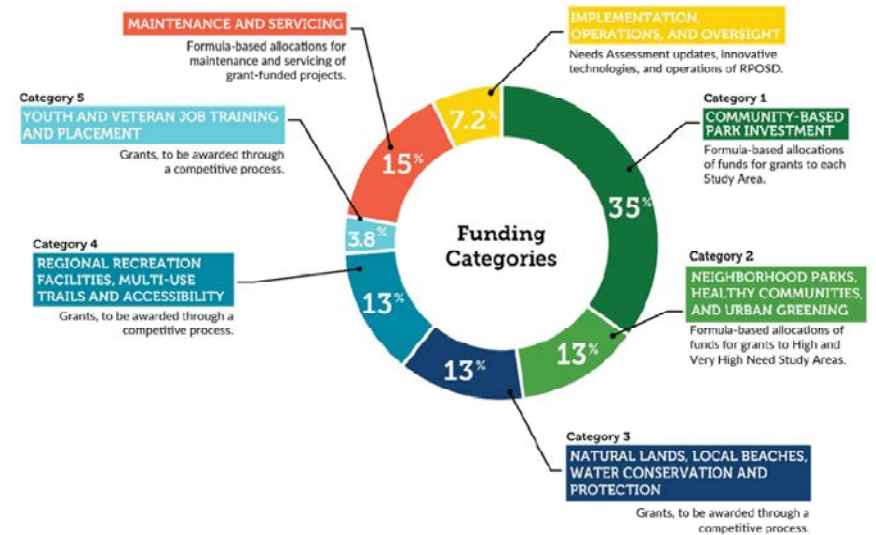
- Measure W: Stormwater projects that increase capture and reuse and reduce stormwater pollution.
- Measure H: Funds measures to reduce homelessness.
- Measure A: Safe Clean Neighborhood Parks and Beaches Protection Measure
- Measure M: Funds mobility and transportation projects, including active transportation
- Agency funds from LACFCD, LA County Board of Supervisors, Congressional representatives
- Net Toll Revenue Grant Programs to fund active transportation projects

## State

- Proposition funds: Propositions 1 and 68 to fund ecosystem and watershed protection and parks.
- Active Transportation Program (ATP) to encourage biking and walking
- State conservancies administer additional grant programs that benefit climate resilience and waterways
- Affordable Housing and Sustainable Communities Program to support walking, biking, and use of public transportation
- Caltrans grants

## Federal

- US Army Corps of Engineers
- US Fish and Wildlife Service
- National Parks Service
- US Bureau of Reclamation WaterSMART
- USDOT grants, including new grant programs from the Bipartisan Infrastructure Law



## Use of Measure A funds by category

Source: LA County Regional Park and Open Space District

# SGVGN Plan Sections

## 7. Limitations

## 8. Resources

- 8.1 References
- 8.2 List of Tables  
List of Figures
- 8.3 Acknowledgements

## 9. Appendices

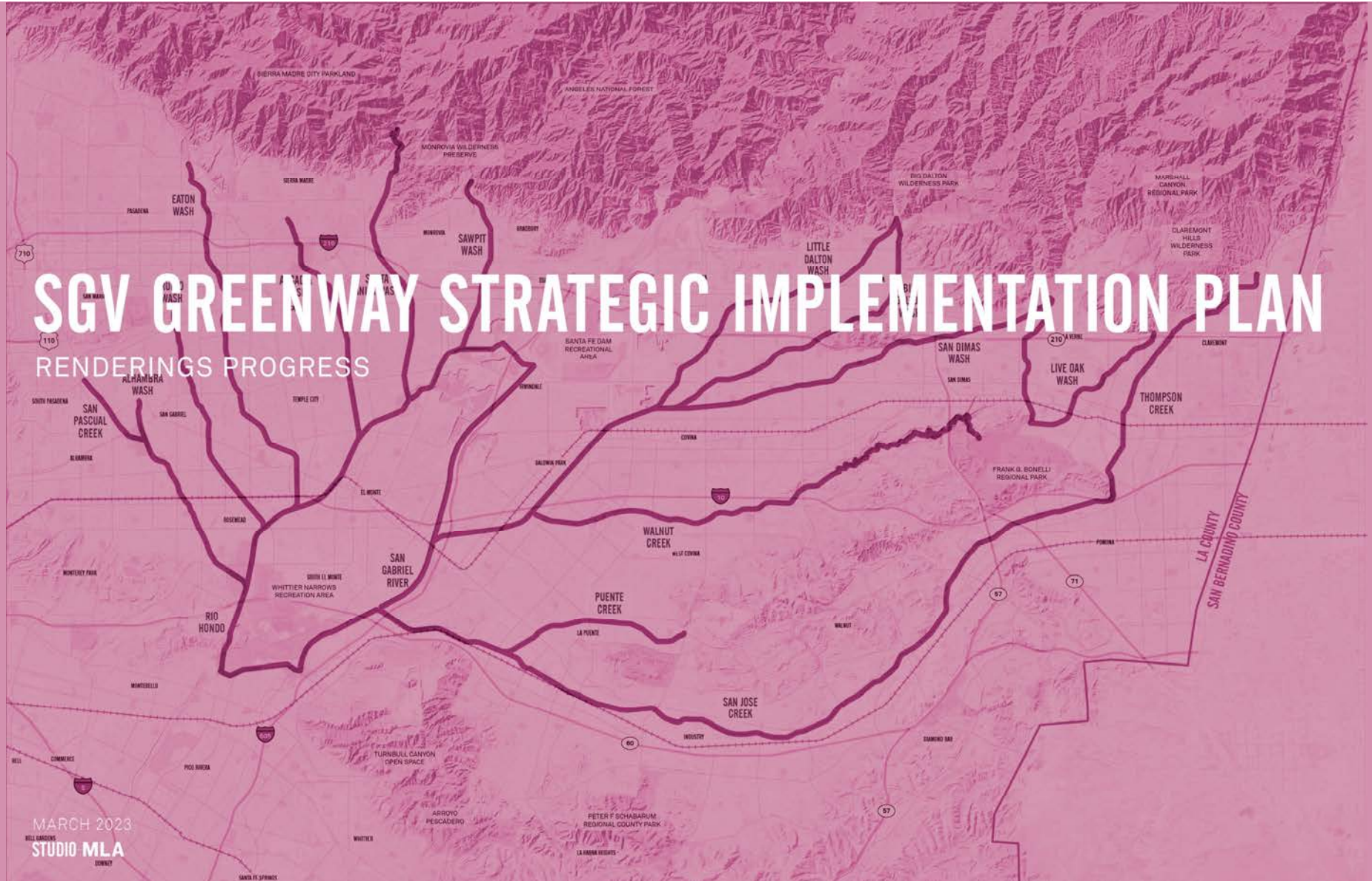
- Appendix A: Compilation of Studies
- Appendix B: GIS Analysis, Database, and Mapping
- Appendix C: Tributary Narratives
- Appendix D: Meeting Materials
- Appendix E: Community Engagement
- Appendix F: Potential Projects and Crossings Summary
- Appendix G: Bike Path Alternatives
- Appendix H: Design Guidelines and Standards
- Appendix I: Conceptual Designs and Cost Estimates

# 3D Renderings Update



# SGV GREENWAY STRATEGIC IMPLEMENTATION PLAN

RENDERINGS PROGRESS

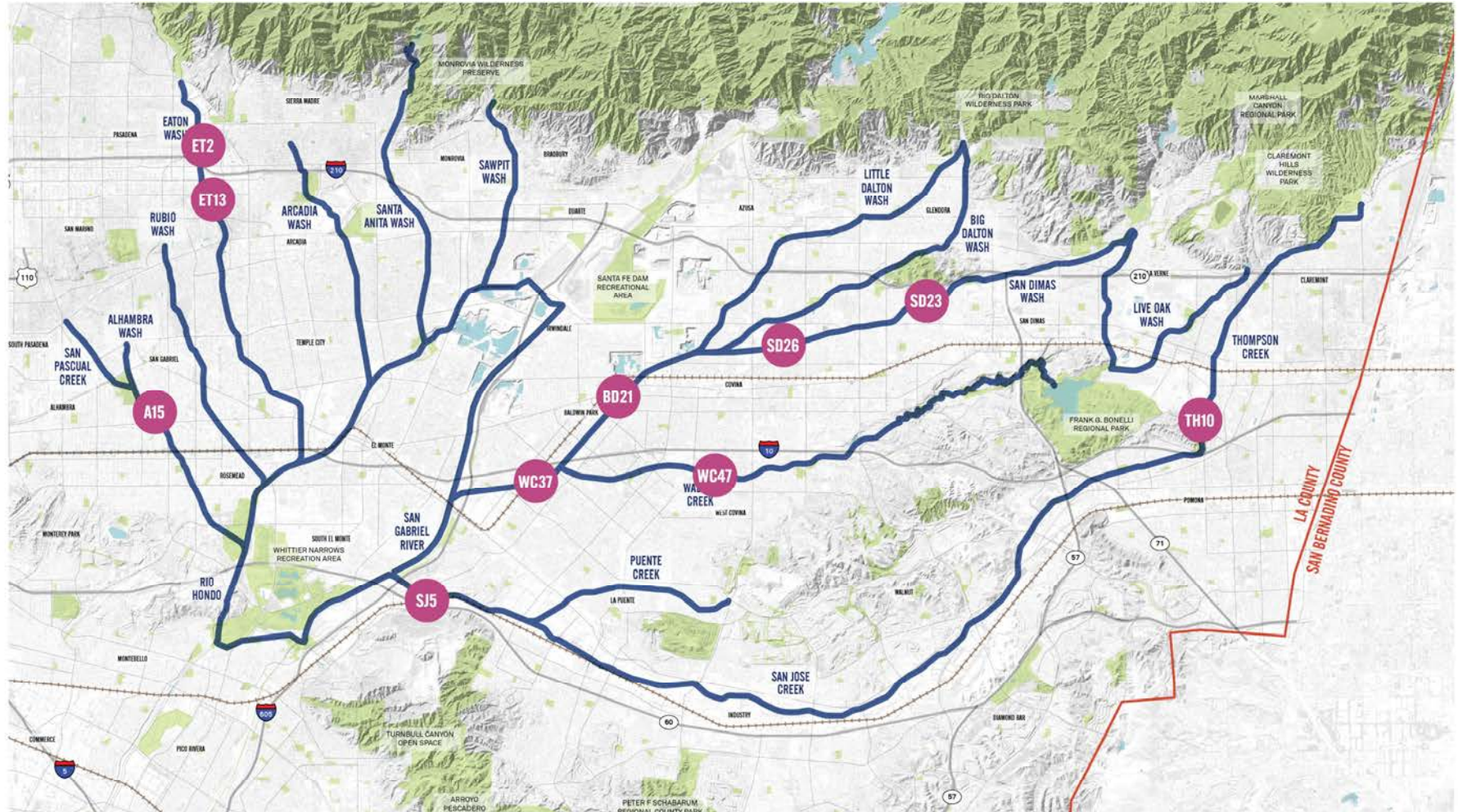


MARCH 2023  
STUDIO MLA



# PROJECT SITES

SGV GREENWAY STRATEGIC IMPLEMENTATION PLAN—RENDERINGS





## AERIAL RENDERINGS

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# ET2

SGV GREENWAY STRATEGIC IMPLEMENTATION PLAN—RENDERINGS



STUDIO-MLA



# ET2

SGV GREENWAY STRATEGIC IMPLEMENTATION PLAN—RENDERINGS



STUDIO-MLA



# A15

SGV GREENWAY STRATEGIC IMPLEMENTATION PLAN—RENDERINGS



STUDIO-MLA



# A15

SGV GREENWAY STRATEGIC IMPLEMENTATION PLAN—RENDERINGS



STUDIO-MLA



# BD21

SGV GREENWAY STRATEGIC IMPLEMENTATION PLAN—RENDERINGS



STUDIO-MLA



# BD21

SGV GREENWAY STRATEGIC IMPLEMENTATION PLAN—RENDERINGS



STUDIO-MLA



# SD23

SGV GREENWAY STRATEGIC IMPLEMENTATION PLAN—RENDERINGS





# SD23

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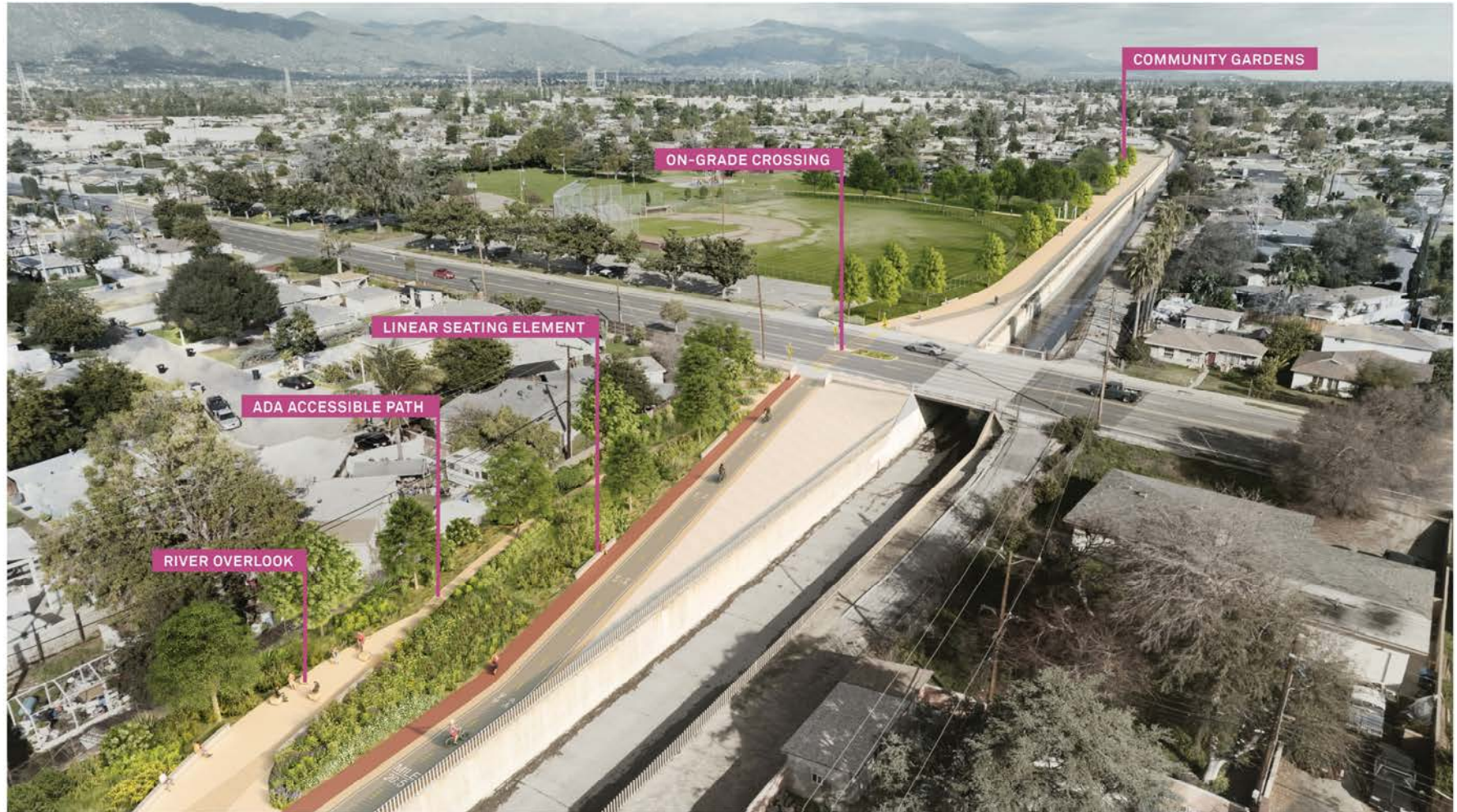


STUDIO-MLA



# SD26

SGV GREENWAY STRATEGIC IMPLEMENTATION PLAN—RENDERINGS





# SJ5

SGV GREENWAY STRATEGIC IMPLEMENTATION PLAN—RENDERINGS



STUDIO-MLA



# TH10

SGV GREENWAY STRATEGIC IMPLEMENTATION PLAN—RENDERINGS



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# TH10

SGV GREENWAY STRATEGIC IMPLEMENTATION PLAN—RENDERINGS



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# WC47

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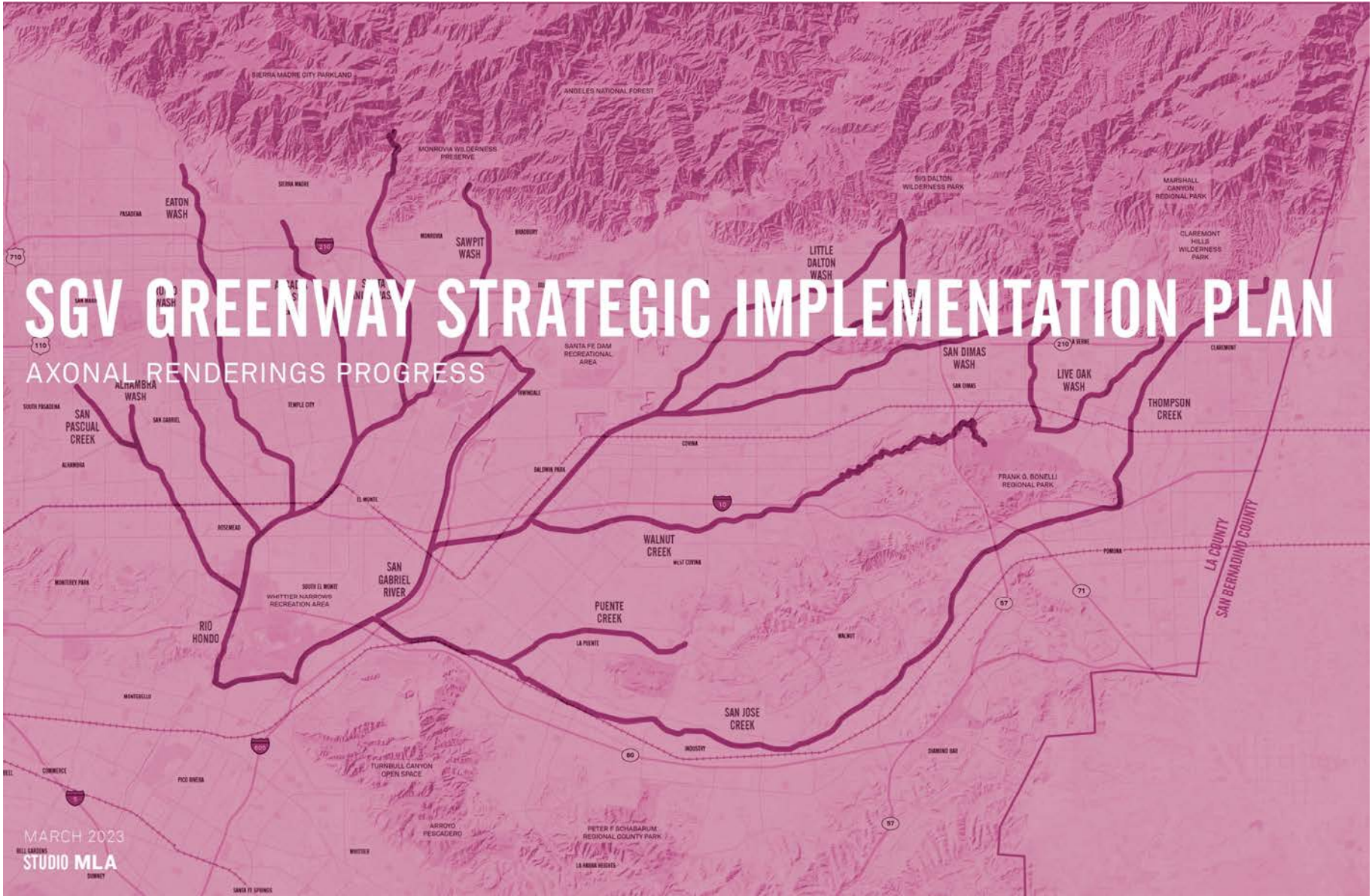


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# SGV GREENWAY STRATEGIC IMPLEMENTATION PLAN

AXONAL RENDERINGS PROGRESS



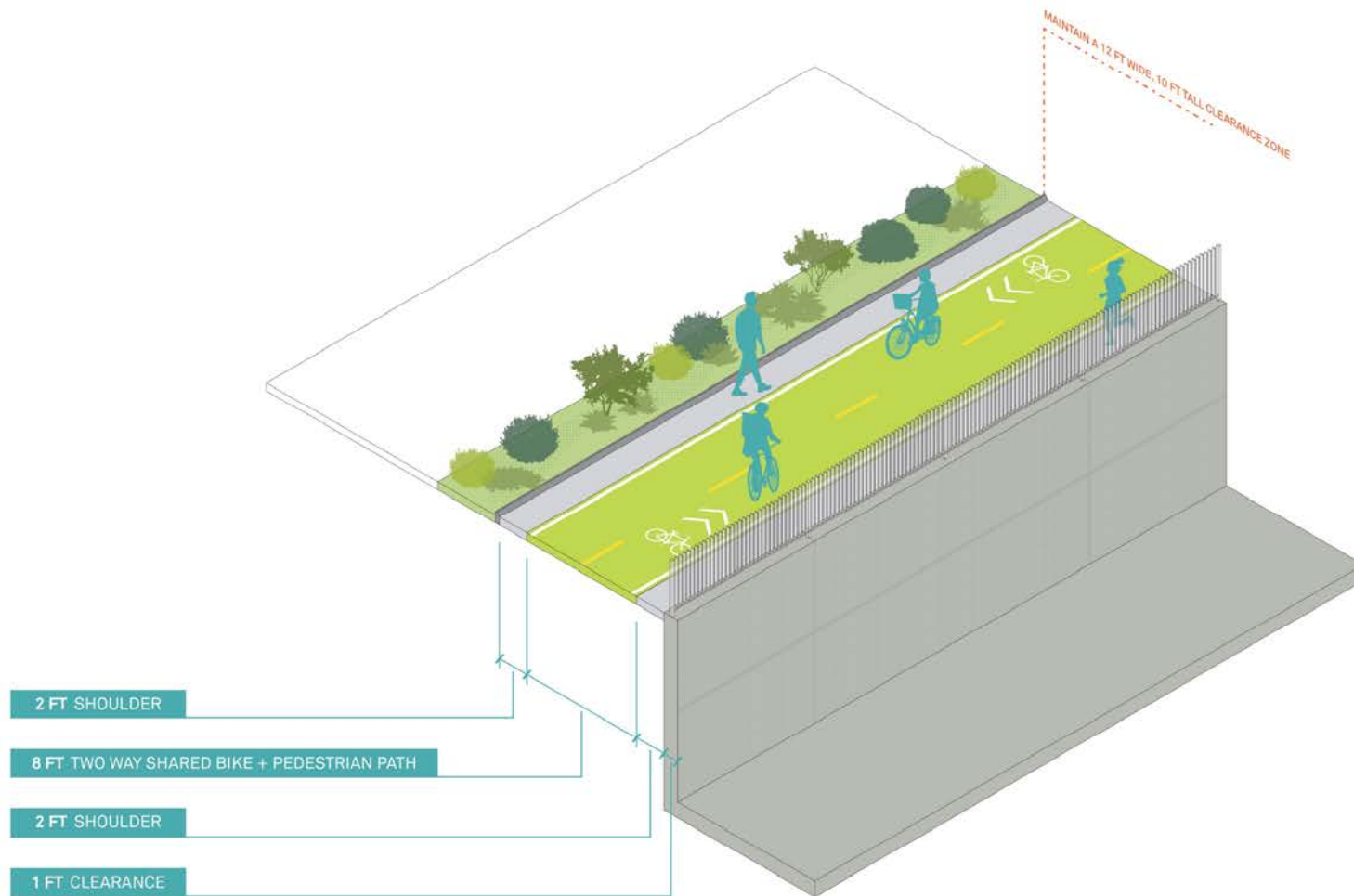
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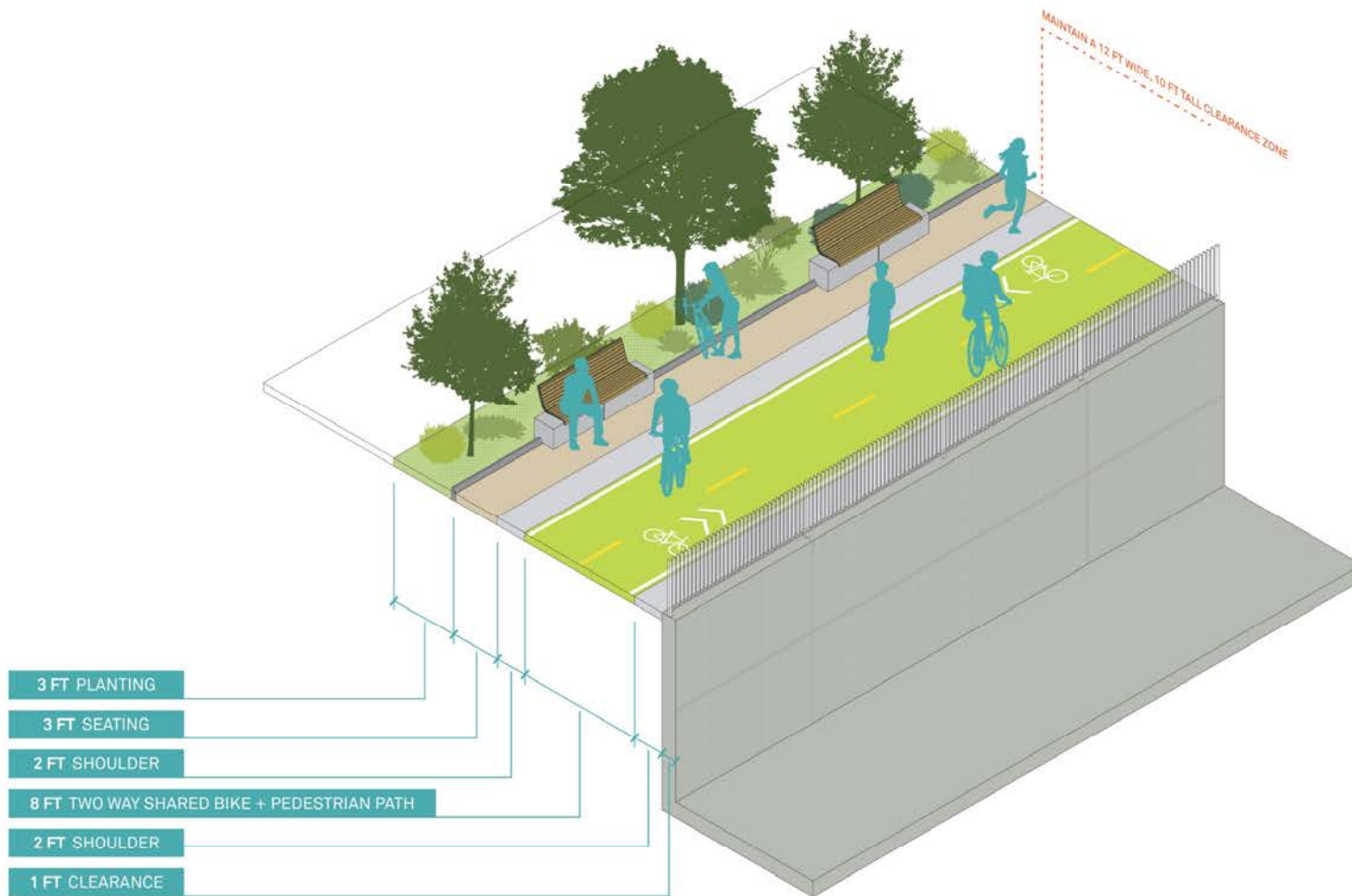
## **ALIGNMENT AXONS**

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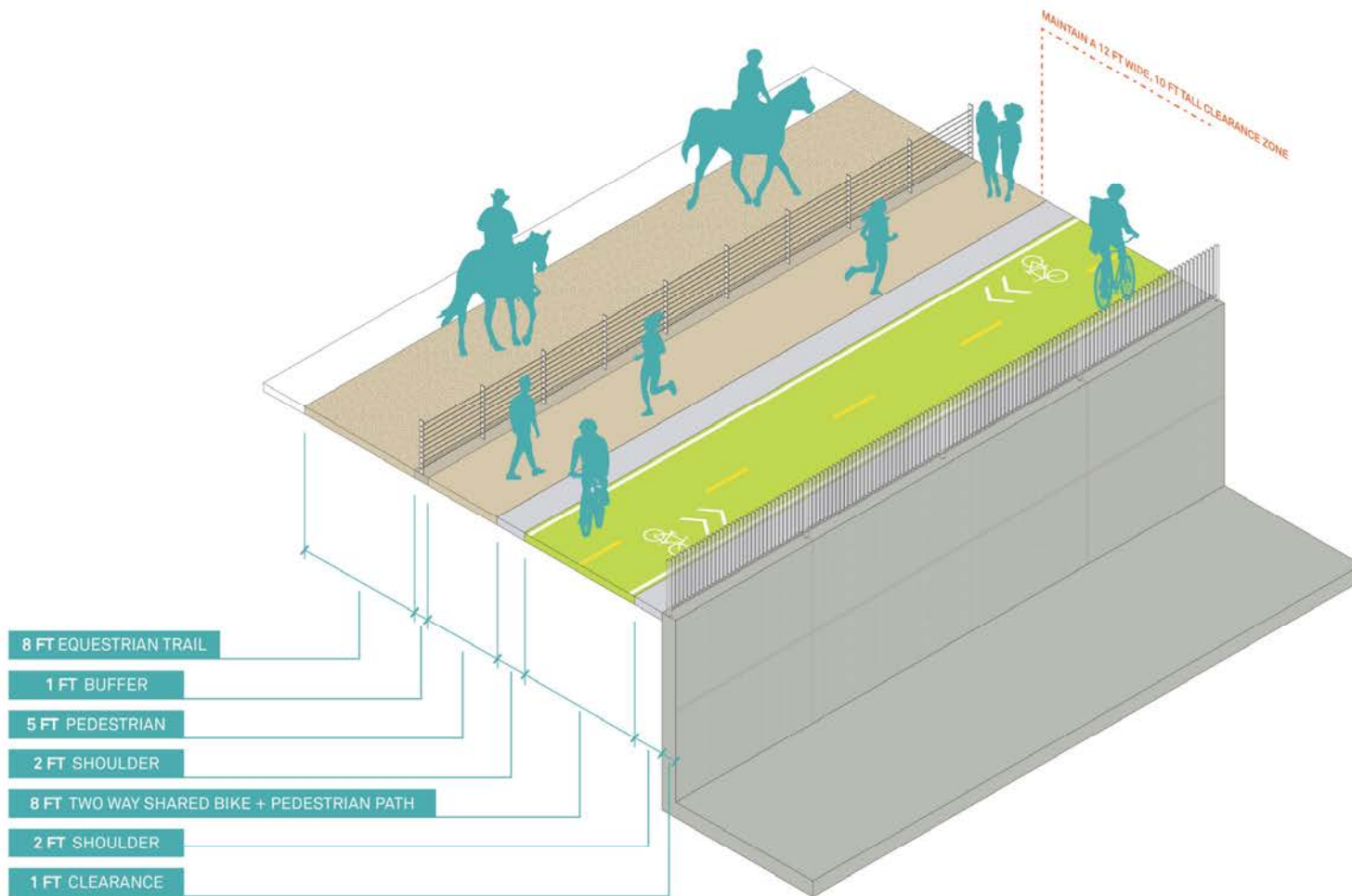
# 13 FEET MULTI-USE PATH



# 19 FEET MULTI-USE PATH

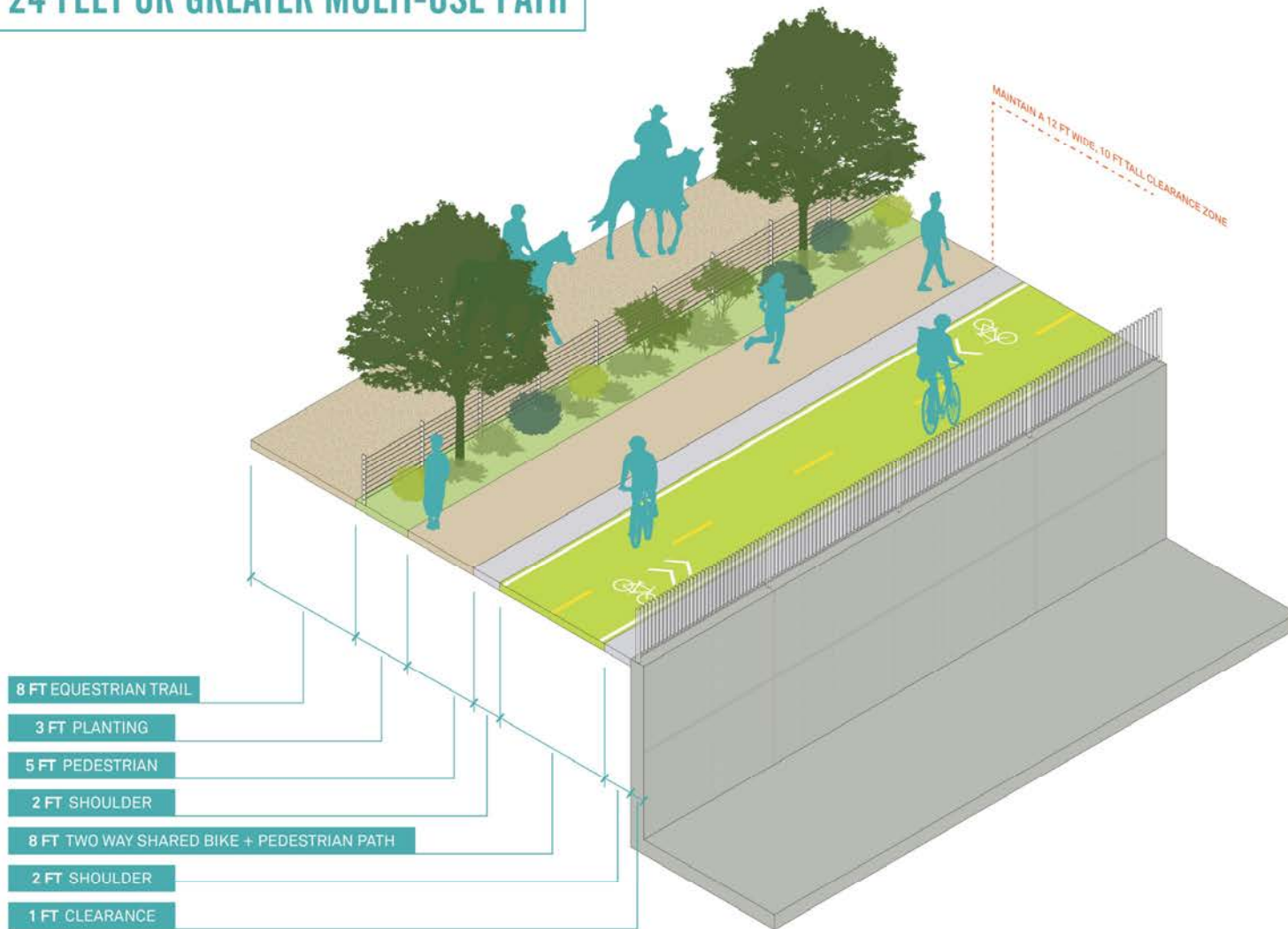


# 24 FEET MULTI-USE PATH





# 24 FEET OR GREATER MULTI-USE PATH

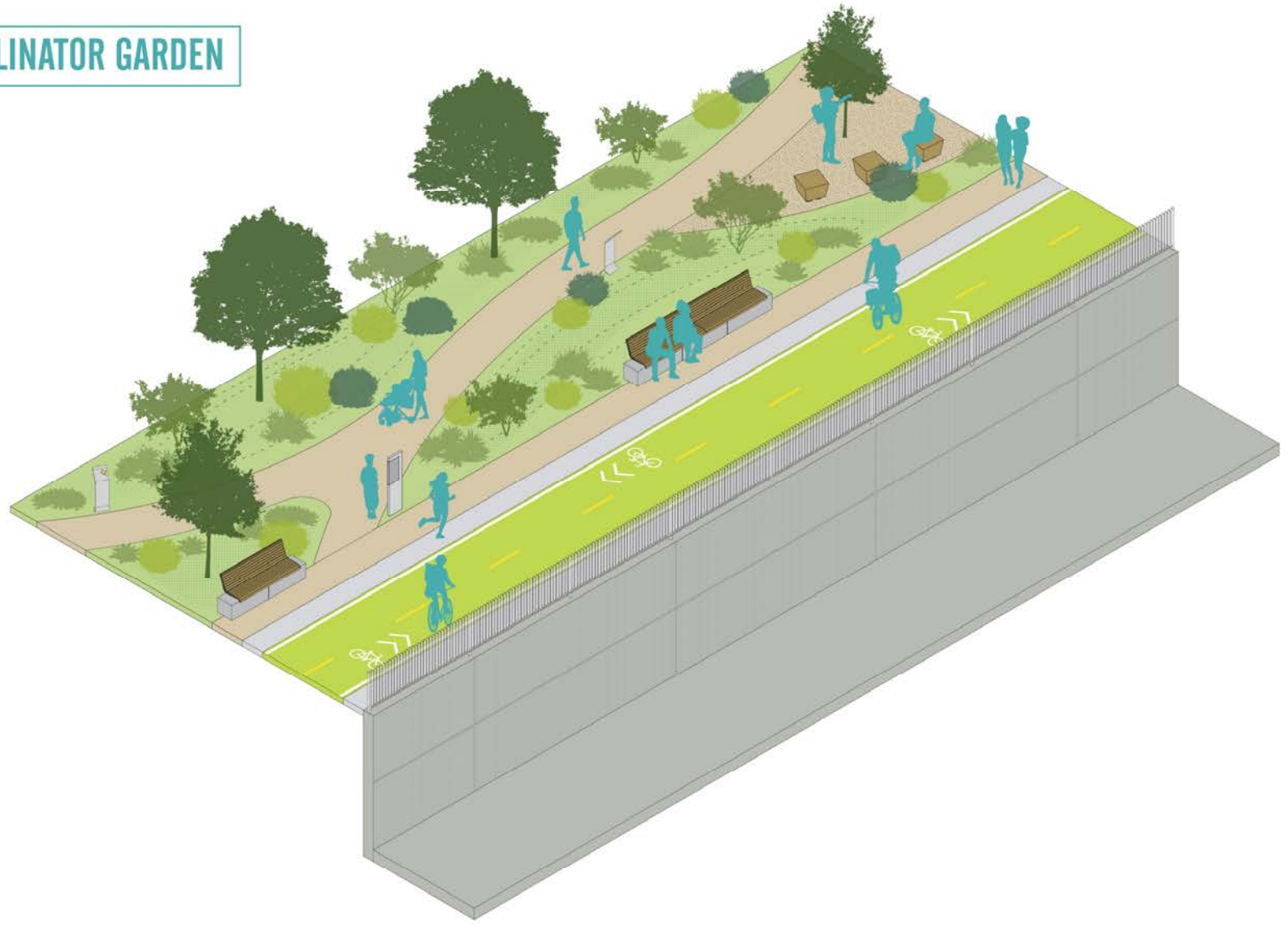


## DESIGN AXONS

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# POLLINATOR GARDEN

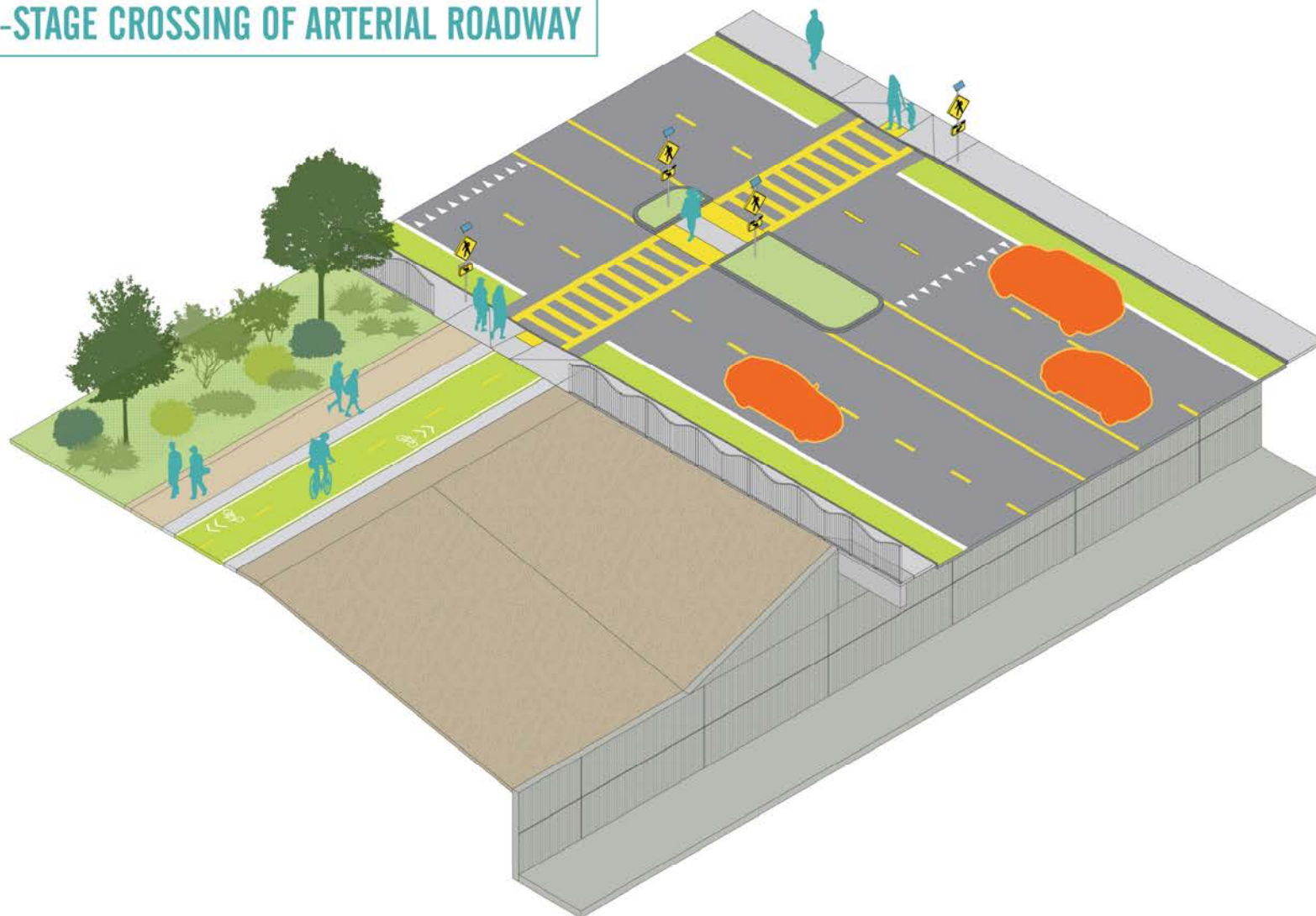


# SPREADING BASIN FITNESS LOOP





# TWO-STAGE CROSSING OF ARTERIAL ROADWAY



## **OTHER PROJECT COMPONENT DIAGRAMS IN PROGRESS:**

- **BRIDGE OVERCROSSING OF ROADWAY RAIL**
  - **BRIDGE CROSSING OF CHANNEL**
  - **GATEWAY PARK**
  - **CONNECTION TO EXISTING PARK**
  - **STORMWATER DRAIN DIVERSION**
  - **UNDER-CROSSING**
  - **GARDENS (HABITAT/POLLINATOR/COMMUNITY)**
  - **WALKING PATH**
  - **ADJACENT PERMEABLE PAVING**
-



# Group Discussion



# Group Discussion

- What recommendations do you have for:
  - Plan section order?
  - Appendix order?
  - Conceptual design development?
  - 3D rendering layouts?
- What feedback do you have on bolstering the Project Implementation Strategies?
  - Share experiences.
  - Share lessons learned.

# Asks of the Steering Committee

GK0



Provide feedback for the Draft SGV Greenway Network Plan.



Aid in promotion of the SGV Greenway Network.



## Slide 48

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**GK0**

Same question as slide 27 - are you planning on sharing the SGVGN Plan to get feedback? If so, what does that document look like?

Grace Komjakraphan, 2023-03-21T17:36:39.272

# Next Steps



- Meeting minutes summary to be sent after the meeting.
- Continue to develop the draft SGVGN Plan

AV0

Next Scheduled Meeting :

MT1

- **May 10, 2023, 2:00 PM – 4:00 PM**
  - Draft SGVGN Plan Update and discussion



## Slide 49

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**AV0** Please remove that we'll provide an update on the PEIR. Given the contract issues, it's uncertain how far along the PEIR will be, and I don't want to set expectations on the teams.

Ariana Villanueva, 2023-03-21T15:47:43.325

**MT1** Not feasible to develop PEIR without draft Plan. Delete.

Melissa Turcotte, 2023-03-21T16:02:10.712