

#### Los Angeles River Master Plan Update

Steering Committee Meeting #8 Thursday, December 12, 2019, 9:00 a.m. – 12:00 p.m.

#### Summary

#### Location

Los Angeles County Public Works Headquarters Conference Room A-B 900 South Fremont Ave, Alhambra, CA 91803

#### **Attendees**

#### **Steering Committee Members**

- City of Los Angeles Mayor's Office, Michael Affeldt and Edward Belden, alternate
- City of Los Angeles Bureau of Engineering, Katherine Doherty alternate for Gary Lee Moore
- City of South Gate, Gladis Deras, alternate for Arturo Cervantes
- Council for Watershed Health, Eileen Alduenda
- Friends of LA River, Liliana Griego, alternate for Marissa Christiansen
- Heal the Bay, Katherine Pease, alternate for Shelley Luce
- Long Beach Conservation Corps, Kayla Kelly-Slatten, alternate for Dan Knapp
- Los Angeles City/County Native American Indian Commission, Rudy Ortega
- Los Angeles County 1st District, Martin Reyes, alternate for Wagas Rehman
- Los Angeles County 3<sup>rd</sup> District, Virdiana Velez, alternate for Katy Yaroslavsky
- Los Angeles County 4<sup>th</sup> District, Jocelyn Rivera-Olivas, and Daritza Gonzalez, alternate
- Los Angeles County Flood Control District, Keith Lilley
- Los Angeles Department of Water and Power, Rafael Villegas and Manuel Aguilar, alternates for Evelyn Cortez-Davis
- Los Angeles Waterkeeper, Bruce Resnik, and Melissa von Mayrhauser, alternate
- Metropolitan Transit Authority, Lauren Cencic, Maressa Sah, and Mitali Gupta, alternates
- River and Mountains Conservancy, Joseph Gonzalez and Marybeth Vergara, alternates for Mark Stanley
- Santa Monica Mountains Conservancy, Brian Baldauf and Sarah Rascon, alternates for Joseph T. Edmiston
- The Boethius Initiative UCLA Department of World Arts and Cultures, Julia Carnahan, alternate for Peter Sellers
- The Nature Conservancy, Miguel Ramos, alternate for Shona Ganguly



Trust for Public Land, Robin Mark

#### **Los Angeles County Public Works**

- Carolina Hernandez
- Genevieve Osmeña
- Christine Wartman
- Ernesto Rivera
- Alynn Sun
- Kenneth Chow
- Mark Beltran

#### **Consultant Team**

- Mark Hanna, Geosyntec
- Najwa Pitois, Geosyntec
- Joe Goldstein, Geosyntec
- Yoshi Anderson, Geosyntec
- Jessica Henson, OLIN
- Joanna Karaman, OLIN
- Diana Jih, OLIN
- Tensho Takemori, Gehry Partners
- Shuo Zhai, Gehry Partners
- Dana McKinney, Gehry Partners
- Jack Hughes, Kearns & West
- Jenna Tourie, Kearns & West
- Joan Isaacson, Kearns & West
- Taylor York, Kearns & West
- Delia Torres, Languages 4 You
- Jon Switalski, River LA

## 1. Welcome, Introductions, and Agenda Overview

On December 12, 2019, Los Angeles County Public Works (Public Works) conducted the eighth Steering Committee meeting for the Los Angeles River Master Plan Update (Master Plan Update). The meeting began with a viewing of the final video in the River Stories series.

Genevieve Osmeña, Public Works' Project Manager for the Master Plan Update, provided welcoming remarks. She noted that this meeting was the final in the series and acknowledged the dedication that the Steering Committee members have displayed throughout the process to shape and improve the Master Plan. She informed them that



Public Works was finalizing the scope, schedule, and programmatic approach for the California Environmental Quality Act (CEQA) review of the Master Plan. Under the current timeline, the CEQA process would begin in the next few weeks and align public draft review of the Master Plan with public CEQA review.

Joan Isaacson, facilitator from Kearns & West, reviewed the meeting agenda, located in Appendix A. The major items included presentation and discussion of a summary of the third round of community engagement, a review of the planning process, a preview of the contents of the Master Plan, a presentation and discussion on resilience and adaptation, and a review of the environmental graphic guidelines.

## 2. Community Engagement Summary

Mark Hanna from Geosyntec and Jon Switalski from River LA gave an update and recap of community engagement activities. Hanna summarized the project team's coordination meetings with other organizations. These included the Upper LA River & Tributaries (AB466) Working Group, LA River Flow Study team at the Regional Water Quality Control Board, and Native American communities.

Switalski reviewed the third round of community meetings held in October 2019 in Canoga Park, North Long Beach, and Central Los Angeles. At these meetings, large boards were used to communicate with the public about what would be included in the Master Plan. Over 1,300 people attended the community meetings throughout the three rounds of engagement. There were 800 participants in the Youth Summit and 5,592 telephone town hall participants. There were nearly a million digital ad impressions. Full community engagement reports are available online at LARiverMasterPlan.org. Switalski concluded by thanking the community partners who helped expand community outreach. The most recent community partner event was with East Yard Communities for Environmental Justice. See pages 18 through 21 in Appendix B for more information.

#### **Q&A/Discussion**

 There were no questions or comments from the Steering Committee members for this agenda item.

# 3. The Los Angeles River Master Planning Process

Tensho Takemori from Gehry Partners, Jessica Henson from OLIN, and Hanna reviewed the Master Plan Update process. The Master Plan will exist alongside other types of plans, existing below system level plans and above implementation plans. The project team reviewed over 140 different planning documents during the Master Plan Update. The Master Plan 2020 will need updating in 20 to 25 years.



The Master Plan will be a vision- and goal-driven document built upon community needs derived from data and engagement feedback. New project sites were identified based on an alignment of need, opportunity, and cadence. Needs were assessed using multiple data sources, and "river rulers" helped to visualize distribution of needs and areas of overlapping need. From there, the project team identified sites and opportunities for projects like Los Angeles River rights-of-way and county-owned parcels. The project team used the concept of cadence to ensure project sites of various sizes were distributed equitably along the river. Each size of project has its own cadence. The project team included planned major projects from other efforts and filled in gaps for needs and cadence. The kit of parts addresses the needs identified for specific sites and the common elements needed to provide consistency in amenities along the river. See pages 22 through 32 in Appendix B for more information.

#### **Q&A/Discussion**

 There were no questions or comments from the Steering Committee members for this agenda item.

#### 4. What's in the Master Plan

Henson provided an overview of the contents for the Draft Master Plan, explaining that the document is organized into two key components – strategic directions and design framework. The strategic directions component addresses the Goals, Actions, and Methods (GAMs) as well as implementation responsibility and funding sources. The design framework builds on the GAMs and addresses needs, sites, a kit of parts and common elements, recommendations, and site examples. She provided an overview of the table of contents.

Henson displayed several example spreads from the Draft Master Plan. She noted that the project team wants the document to be beautiful and to feel like a magazine layout with large maps and graphics. Each goal will have a centerfold layout and the actions and methods will be laid out in detail. Since the Master Plan is intended as a public document, definitions and supporting materials will help illustrate concepts. The Master Plan will have two appendices: the design guidelines and technical document. Project proponents will need these as they plan projects. The Master Plan main volume will be translated into Spanish.

Henson said that a full Draft Master Plan would be sent to the subcommittee members around January 6, 2020, after which they would have five weeks for review and comment. A final draft for public comment is estimated to be ready in Spring 2020. See pages 33 through 39 in Appendix B for more information.



#### **Q&A/Discussion**

- Is it possible to have chapters of the Draft Master Plan distributed separately to make for easier review?
  - Yes, chapters of the Draft Master Plan will be distributed separately.
- Is the Steering Committee going to reconvene to discuss the Draft Master Plan?
  - There will be a subcommittee work session in January after the Draft Master Plan has been released to the subcommittee members. The project team will determine a way to share a summary of comments and responses when the review period is over.
- Will the technical document appendix be in the Draft Master Plan distributed to the subcommittee members?
  - No, the appendix materials are still being created, along with the design guidelines. It is to be determined if these will be shared for reference during the review.

#### 5. Resiliency and Adaptation

Hanna then presented on resiliency and adaptation. He noted that the project team wanted to dedicate time to this subject based on community and Steering Committee member feedback and discussions at previous subcommittee meetings. Resiliency and Adaptation addresses how to plan for and/or recover after extreme events, such as major floods. The dual jurisdiction over the river channel by the US Army Corps of Engineers and the Los Angeles County Flood Control District could complicate recovery efforts. There are also multiple municipal jurisdictions along the river, adding further complexity.

Hanna reviewed pertinent studies and information that explain components crucial for understanding extreme flood events. This includes past locations of wetlands, river paths, and floodplains and where they are located now. The river is subject to many flash floods. Although average yearly rainfall is 14.4 inches, many years receive much less or much more rainfall that that average, making it difficult to predict flooding. Many people misunderstand a 100-year flood as a flood that only happens once every hundred years and, thus, is unlikely to happen in their lifetime. However, the term refers to a storm having a 1% probability of happening in any given year. Therefore, the project team is seeking to consistently refer to such storms as 1% storms. Two 1% events could occur in back-to-back years or even the same year. Climate change is likely to increase the frequency of extreme events. Research from UC Irvine indicates that the 1% event (i.e., the 100-year event) is more likely a 1.5% event (i.e., a 60- to 70-year event).

Federal Emergency Management Agency (FEMA) floodplain standards for insurance are based on the 1% event, or 100-year event. This level of capacity is not met along the



entire channel, therefore, there are areas along the LA River in the 1% floodplain. There are over 6,000 critical facilities within the 0.2% event floodplain (~500-year event floodplain). The GAMs address floodplain resiliency and channel capacity standards, but it is important to not assume that the existing system is the one that will always be there. There also needs to be an adaptation plan. This plan would envision how to rebuild or rethink after an extreme event. Implementation of that adaptation plan could also create more room for the river ahead of an extreme event.

Henson noted that the Multihazard Mitigation Council (2017) has found that investing in riverine flood hazard mitigation has a 7-to-1 cost ratio, meaning that every dollar spent on hazard mitigation to code requirements saves seven dollars in recovery costs. See pages 40 through 47 in Appendix B for more information.

#### Q&A/Discussion

- The Master Plan should outline a clearer direction for future resilience and a reimagined river; it is too open-ended as presented currently.
- Will the Master Plan have elements that identify opportunities to address climate change directly, by encouraging active transportation for example?
  - Other planning efforts, such as the Countywide Sustainability Plan are instrumental in this. Hazard mitigation and adaptation are important, so it is crucial to have critical facilities in the floodplain mapped by FEMA. Facilities, districts and agencies should plan for flood events. The County is also supporting a watershed approach through Measure W actions.
- Maybe for the subcommittee meetings the project team could pull out examples from the Master Plan that support resiliency and adaptation. There needs to be a watershed approach and a layered approach to resiliency.
  - There needs to be discussion of a layered approach, but it must be acknowledged that there is a real need for flood-carrying capacity. Studies have examined what would happen with 50 percent permeability in the County. Studies found it would only take a few percent off peak flows at the Narrows during a larger storm, although, it makes a significant difference in the common event. The project team did a watershed scale analysis for hydrology and the research data for the technical memos.
- There should be an adaptation plan as a living document and tangible steps to work with communities.
- There should be incentives for owners of houses and rental properties to invest in mitigation.
  - Agreed, good point.



## 6. Environmental Graphics

Henson presented an update on the wayfinding analysis and technical requirements for the environmental graphics. These will be included in the Master Plan appendices. The values driving the environmental graphics design process were legibility, graphic clarity, simplicity, timeless aesthetic, coordination with stakeholders, and lateral wayfinding to the river. The project team also looked at other signage for best practices.

Henson reviewed the results of the existing wayfinding signage survey. Informational, regulatory, warning and safety, and interpretive signage and displays are the most commonly found types along the LA River. This signage is typically located near existing access points. Directional, destination, and bikeway signage are the least commonly found, indicating the lack of lateral and other wayfinding along the trail once entered.

The environmental graphics in the design guidelines update include informational, regulatory, confirmatory, and directional (i.e., lateral wayfinding to the river) signage; mile markers; pavement markings; interpretive signs and displays; and large-scale icon graphics. Henson presented information on each, noting considerations for Americans with Disabilities (ADA) compliance, bilingual language use, Manual on Uniform Traffic Control Devices (MUTCD), and Native American place names and references. Signage should be consistent and regular, but there is flexibility for community-specific, culturally tied variation and other integration of arts, culture, and community expression. See pages 48 through 55 in Appendix B for more information.

#### Q&A/Discussion

- There is no single responsible agency for operations and maintenance (O&M) so maybe signage can help identify local jurisdictions.
- Signage could also point out significant areas, like downtown, to help connect people to other neighborhoods.
  - This is a good idea.
- Mile markers or addresses on signage could help community members report issues.
- Glendale Narrows used to have mile markers but people didn't know what the numbers meant. It might be necessary to provide more details so people know what they are.
  - Yes, good point.
- Include tribal specific places on signage.
  - The project team is working on names and references to Native American place marking.
- Will languages other than English be included on signage?
  - In some communities there is no question that languages other than English should be considered. The project team is still considering how to guide the



permitting process in determining what languages are appropriate or not. This should be discussed more in the subcommittee meetings.

- Will there be QR codes on signs?
  - This is a good idea that should be discussed more in the subcommittee meetings.
- There are many signs that state if a person enters the river corridor, they will be imprisoned or fined.
- What are plans for reconciling new with existing signage?
  - The project team doesn't have the answer to this yet but will keep considering plans.
- Signs could display jurisdictional logos.
- There could be LA River Way graphics for tributaries.
  - Park to Playa was the precedent the project team studied. It would be good to hear in the subcommittee meetings about the LA River and connecting to tributaries.
- Will there be further discussion at the subcommittee meetings about implementation, O&M, and funding?
  - Yes, we will talk about funding, what actions departments have discussed taking on, and gaps.
- Does ADA signage include Braille?
  - Braille can be difficult since it erodes outside quickly and is too high to reach on most signs, but it may work for interpretive signage.
- What about including project funding information on signs?
  - This is possible. There could be a simple version of a sign and one with more layers to capture information like this.
- There are often multiple funders with different requirements. Are signs limited by that?
  - The project team is determining what signs could be modified. The elements that relate to MUTCD and flood regulation should be consistent, but the others might be more flexible. The goal is to provide a full set of design files so everyone has the graphic templates.

#### 7. Public Comment

No one requested to make a public comment or submitted a comment card at the meeting.

## 8. Wrap Up

Osmeña thanked the Steering Committee members and reminded them that subcommittee members would receive the full Draft Master Plan around January 6, 2020. There would also be a community event in summer 2020.



# Appendix A

# **Meeting Agenda**



#### Los Angeles River Master Plan Update

Steering Committee Meeting #8 Thursday, December 12, 2019, 9:00 a.m. – 12:00 p.m.

#### Agenda

#### Location

Los Angeles County Public Works Headquarters Conference Room A-B 900 South Fremont Ave, Alhambra, CA 91803

## 1. Welcome, Introductions and Agenda Overview (10 Minutes)

- Welcome
- Roundtable Introductions
- Meeting Purpose, Agenda, and Objectives
- CEQA Update

# 2. Community Engagement Summary (10 Minutes)

*Objectives:* 1) Report on community input and how it relates to the Master Plan Update and 2) solicit feedback.

- Additional Meetings
- Engagement Summary
- Community Partner Events
- Q&A/Discussion

## 3. The Los Angeles River Master Planning Process (30 Minutes)

Objective: Review the Master Plan Update process.

- Planning Context
- Research
- Data-Based
- Vision and Goal Driven
- Design
- Q&A/Discussion



## 4. What's in the Plan (20 Minutes)

Objective: Review what is in the Master Plan.

- Table of Contents
- Example Spreads
- Review Process
- Q&A/Discussion

## 5. Resiliency and Adaptation (30 Minutes)

Objective: Discuss strategies for resiliency and adaptation in the Los Angeles River Master Plan.

- Goals
- Short, Medium, and Long-Term Strategies
- Q&A/Discussion

## 6. Environmental Graphics (25 Minutes)

Objectives: 1) Present the wayfinding analysis and technical requirements for the environmental graphics update and 2) solicit feedback on proposed environmental graphics.

- Design Guidelines Overall Approach
- Coordination with Other Entities
- Wayfinding Analysis and Precedents
- Technical Requirements
- Logo, Font, and Symbology
- Environmental Graphics Family
- Q&A/Discussion

# 7. Public Comment (15 minutes)

- Verbal Comments
  - Speakers to be called in order of speaker cards submittal, with caveat that all are welcome and encouraged to provide input, with or without filling out a card
  - Up to 15 minutes total for the Public Comment item
  - Total time per person will depend on number of speaker cards received
- Comment Cards
- Email Comments Anytime to LARiver@dpw.lacounty.gov



# 8. Wrap Up (5 Minutes)

- Upcoming Outreach Events
  - Community Event Summer 2020 (Stay Tuned!)

Input, Questions, Ideas? Contact Genevieve Osmeña at (626) 458-4322 or LARiver@dpw.lacounty.gov



# Appendix B

# **Meeting Presentation**



# **RIVER STORY**





# **PURPOSE OF TODAY'S MEETING**



## **MEETING AGENDA**

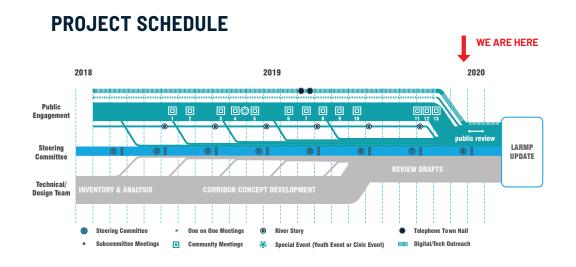
WELCOME & AGENDA OVERVIEW	COMMUNITY Engagement Update	LA RIVER MASTER PLAN 2020	WHAT'S IN THE PLAN	RESILIENCE & ADAPTATION	ENVIRONMENTAL Graphics	PUBLIC COMMENT	WRAP UP
River Story #8  Welcome and Steering Committee Updates  Roundtable Introductions  Meeting Purpose, Agenda and Objectives  CEQA Update	Additional Meetings     Engagement Summary     Community Partner Events     Discussion/0&A	Planning Context Research Data-Based Vision & Goal Driven Design Discussion/Q&A	Table of Contents     Example Spreads     Review Process     Discussion/Q&A	Goals     Short, Medium, & Long Term Strategies     Discussion/0&A	Design Guidelines Overall Approach     Coordination w/ Other Entities     Wayfinding Analysis & Precedents     Technical Requirements     Logo, Font, & Symbology     Environmental Graphics Family     O&A/Discussion	Verbal Comments     Comment Cards	Important Upcoming Dates

INPUT, QUESTIONS, IDEAS? Contact Genevieve Osmeña at (626) 458-4322 or LARiver@dpw.lacounty.gov

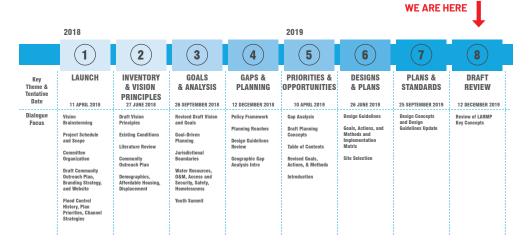
# **GUIDES FOR PRODUCTIVE DISCUSSIONS**

- Everyone equally contributes.
- Stay concise.
- Listen for understanding.
- Help forge paths for solutions.





## STEERING COMMITTEE FRAMEWORK







## **MEETINGS WITH OTHER ORGANIZATIONS**

#### **UPPER LA RIVER & TRIBUTARIES (AB466)**

September 26, 2019, November 14, 2019, & Ongoing



- · Chapters 1-4 of the plan document are online for public review
- Commenting will be open online for all chapters until 1/20/2020
- · Ongoing coordination on sites

**ENGAGEMENT SUMMARY** 

• Ongoing coordination to integrate AB466 and LARMP

#### LA RIVER FLOW STUDY: RWOCB

October 18, 2019

#### CITY OF LA COUNCIL DISTRICT COORDINATION

Ongoing

# NATIVE AMERICAN COMMUNITIES ONGOING COORDINATION

November 5, 2019



- LARMP team shared and received feedback on Land Acknowledgment
- LARMP team presented updated signage guidelines
- Public Works team introduced plan for department liaisons for tribes.
- FTBMI will provide additional feedback by end of November

#### CITY OF LONG BEACH SUSTAINABLE CITY COMMISSION

December 4, 2019

VELCOME ENGAGEME

L ADMD 2020

WHAT'S IN THE PLAI

RESILIENCE & ADAPTATION

ENVIRONMENTAL GRAPHICS

DLIC COMMENT WOAL

COMMUNITY ENGAGEMENT MEETINGS SUMMARY



VELCOME ENGAGEMENT LARM

**ENGAGEMENT SUMMARY** 

# **ENGAGEMENT BY THE NUMBERS**

1306 Community members attended meetings in Rounds 1-3

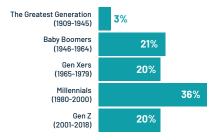
**800** Youth Summit Participants

1650 Completed surveys

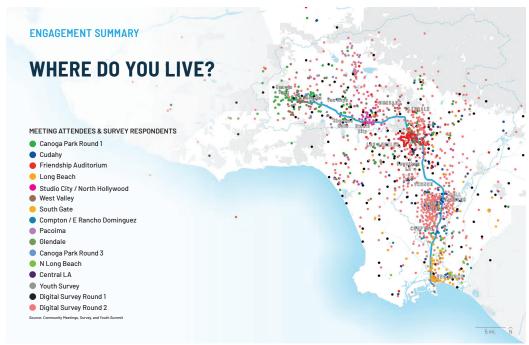
5,592 Telephone Town Hall Participants

981,898 Digital Ad Impressions

#### **GENERATIONS REPRESENTED:**

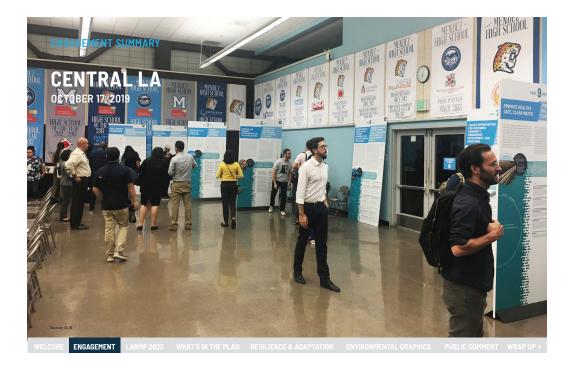


Source: Community Meetings, Survey









#### **ENGAGEMENT SUMMARY**

### WHAT WE HEARD: COMMUNITY INPUT







- I love the community-based 'Goal Driven Framework'
- Utilize solar and wind power

Bathrooms every mile

- Local schools should learn about water quality
- More junior park rangers
- More fruit trees!

#### **ENGAGEMENT SUMMARY**

## THANK YOU TO OUR COMMUNITY PARTNERS!

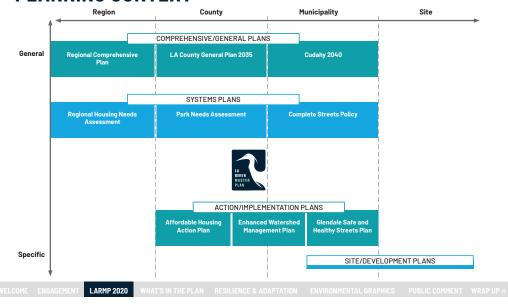
- Resource Conservation District of the Santa Monica Mountains
- Pacoima Beautiful
- Fernandeños Tataviam Band of Mission Indians
- Gabrielino-Tongva Tribe
- Anahuak
- From Lot to Spot
- East Yard Communities for Environmental Justice
- Friends of the LA River
- Las Fotos Project
- Weaving the River

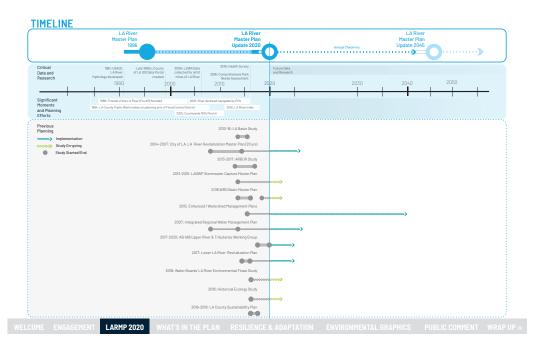






## **PLANNING CONTEXT**



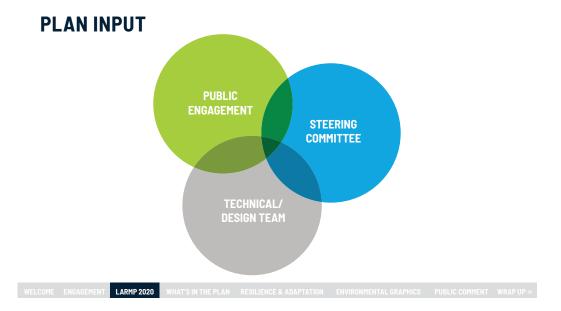


**LARMP 2020** 

## **RELEVANT PLANNING EFFORTS**



NUMBER OF DOCUMENTS REVIEWED AS PART OF LARMP LITERATURE REVIEW

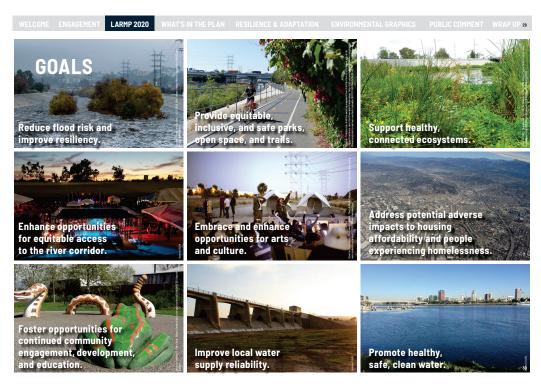


**LARMP 2020** 

#### VISION

# **The Reimagined River**

The iconic LA River flows through a 51-mile connected public open space that is seamlessly woven together with neighboring communities. It is an integral part of daily life in LA County—a place to enjoy the outdoors and to get across town, a place to appreciate the serene and to bring all people together, a place to celebrate a thriving urban habitat and respect feats of infrastructure, a place to learn from the past and to shape the future.

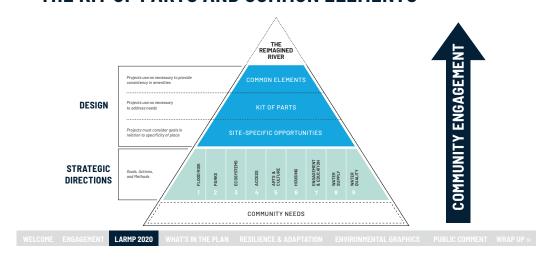


#### **LARMP 2020 GOALS, ACTIONS, METHODS (GAM)**



**LARMP 2020** 

# PROJECTS SHOULD BUILD UPON THE GOALS USING THE KIT OF PARTS AND COMMON ELEMENTS



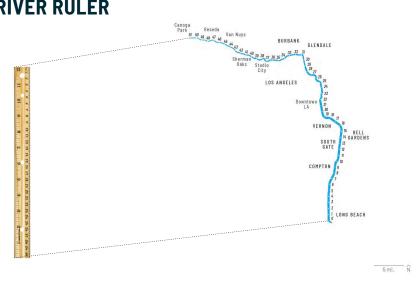
**LARMP 2020** 

## **HOW DO WE LOCATE NEW PROJECTS?**

Align need, opportunity, and cadence along the LA River Corridor.

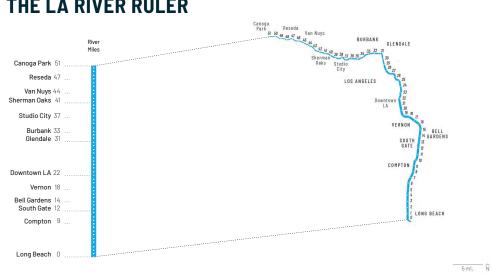


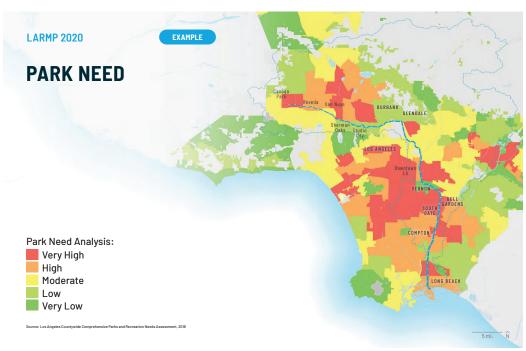
# THE LA RIVER RULER



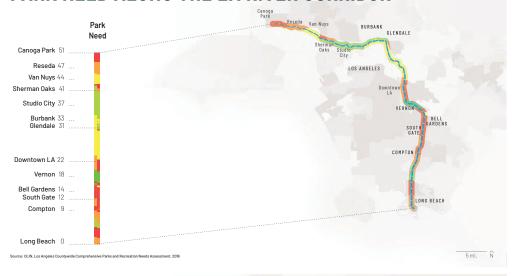
**LARMP 2020** 

# THE LA RIVER RULER





# PARK NEED ALONG THE LA RIVER CORRIDOR



**LARMP 2020** 

EXAMPLE

### **IDENTIFY AREAS OF HIGHEST NEED**



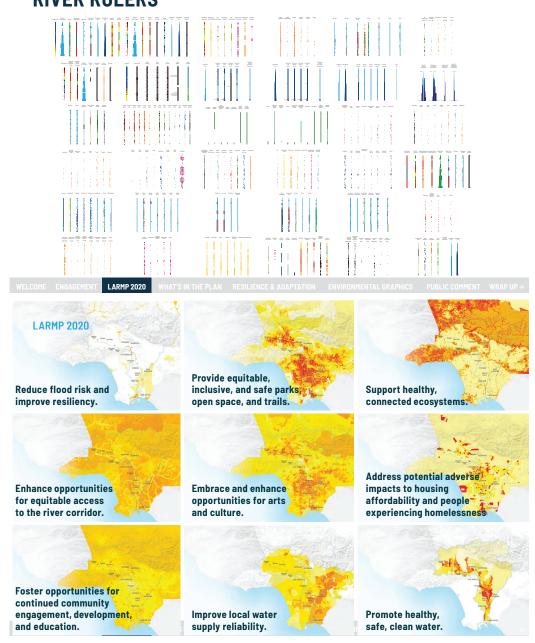
**LARMP 2020** 

EXAMPLE

# **IDENTIFY AREAS OF OVERLAPPING HIGH NEED**



#### **LARMP 2020 RIVER RULERS**



**LARMP 2020** 

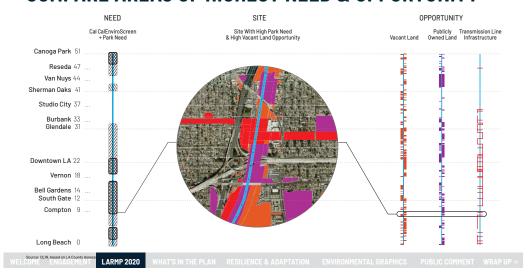
### **OPPORTUNITY**

Capitalize on areas that have the greatest capacity to site new projects.

#### LAND ASSETS:

- LA River Right-of-Way
- LA County Owned Parcels (Priority to Vacant & Underutilized)
- Other Publicly Owned Parcels (Priority to Vacant & Underutilized)
- Other Underutilized Right-of-Way
- Vacant Private Parcels
- Underutilized Private Parcels (Only Applied to Housing Need)
- Pedestrian Street Network

## **COMPARE AREAS OF HIGHEST NEED & OPPORTUNITY**



**LARMP 2020** 

### **HOW DO WE LOCATE NEW PROJECTS?**

Align need, opportunity, and cadence along the LA River Corridor.



WELCOME ENGAGEMENT LARMP 2020 WHAT'S IN THE PLAN RESILIENCE & ADAPTATION ENVIRONMENTAL GRAPHICS PUBLIC COMMENT WRAP UP 44

**LARMP 2020** 

### **CADENCE**

Confirm projects are distributed along the river equally and vary in scale.

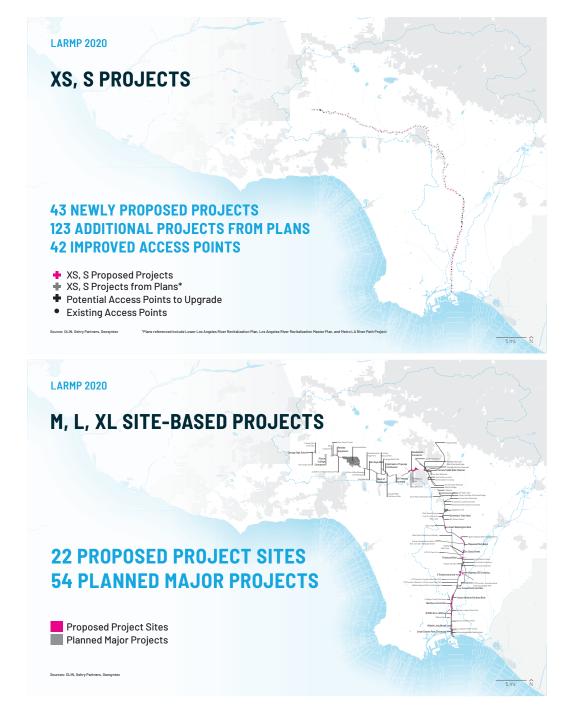
**XL** ex: Regional Parks, Water Recharge Area

**L** ex: Community Park, Cultural Center

**M** ex: Neighborhood Parks, Community Center, Bridges

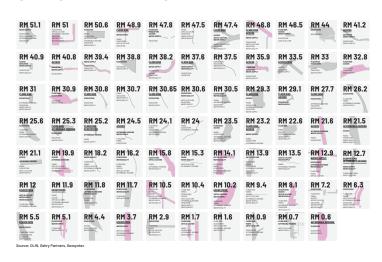
ex: Pocket Parks, Park Nodes, Access Gateways, Restrooms, Pavilions

**XS** ex: Pavilions, Lighting, Environmental Graphics, Benches



**LARMP 2020** 

### SITES AND NEEDS



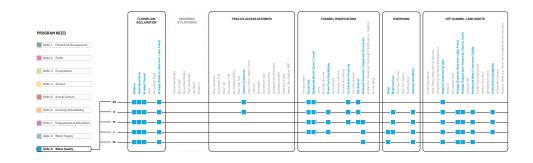
Potential Project Site VERY HIGH N
Planned Major Project HIGH NEED

# **KIT OF PARTS: CATEGORIES**



**LARMP 2020** 

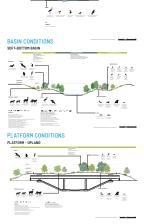
## KIT OF PARTS FRAMEWORK



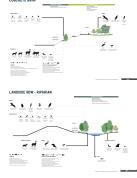
WELCOME ENGAGEMENT LARMP 2020 WHAT'S IN THE PLAN RESILIENCE & ADAPTATION ENVIRONMENTAL GRAPHICS PUBLIC COMMENT WRAP UP SO BIODIVERSITY PROFILES
CHANNEL CONDITIONS
CONCRETE TERRACES

CONCRETE TERRACES

CONCRETE TERRACES

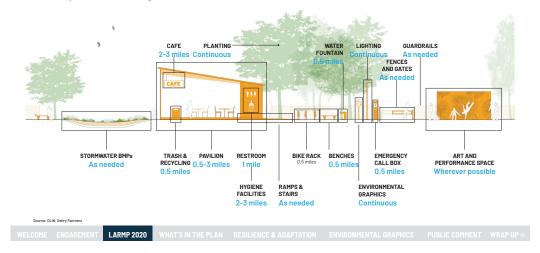






# **INVENTORY OF REPEATED COMMON ELEMENTS**

Developed Under Design Guidelines



**LARMP 2020** 

# RM 30.9: FERRARO FIELDS SIDE CHANNEL



**LARMP 2020** 

RM 30.9: FERRARO FIELDS SIDE CHANNEL



### IMPLEMENTATION PLAN HIERARCHY

WHAT

**GOAL** an ideal future state

2. Provide equitable, inclusive, and safe access to parks and trails.

## **ACTIONS**

that move towards the ideal state

2.1. Create 51 miles of connected open space along the river.

WHO

PARTIES RESPONSIBLE FOR IMPLEMENTATION POTENTIAL IMPLEMENTATION PARTNERS

Department of Parks and Recreation Public Works/FCD, DRP, USACE, MRCA, RMC, Conservation Corps

WELCOME

ENGAGEMENT

RMP 2020 WHAT'S IN THE PLAN

DECH IENCE & ADADTATIO

NVIRONMENTAL GRAPHICS

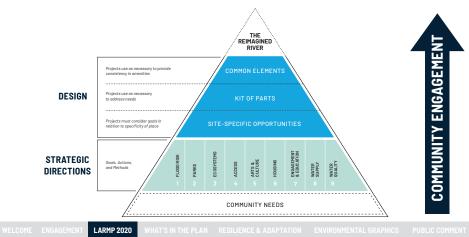
HIDLIC COMMENT WOA

WRAP UP 55

**LARMP 2020** 

#### THE REIMAGINED RIVER

Projects should build upon the Goals using the Kit of Parts and Common Elements







#### WHAT'S IN THE PLAN

#### STRATEGIC DIRECTIONS

- Goals, Actions, Methods
- Implementation Responsibility and Partners
- Funding Sources

#### **DESIGN FRAMEWORK**

- Needs Analysis
- Sites
- Kit of Parts and Common Elements (possible intervention strategies)
- System Recommendations
- Design Examples

WELCOM

ENGAGEMENT

LARMP 20

WHAT'S IN THE PLAN

RESILIENCE & ADAPTATIO

ENVIRONMENTAL GRAPH

PUBLIC COMMENT

WRAP UP

WHAT'S IN THE PLAN

## **TABLE OF CONTENTS**

LARMP

# SECTION I: INTRODUCTION

- Executive Summary
- Master Plan 2020

# SECTION II: CONTEXT

- History of the River
- Existing Conditions
   Summary

# SECTION III: FUTURE OF THE LA RIVER

- Goals and Needs
- Sites
- Design

# SECTION IV: IMPLEMENTATION

- Public Stewardship
- System Management
- Operations and Maintenance
- Funding Sources
- Implementation and Funding Matrix

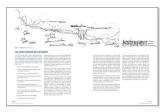
















#### **TABLE OF CONTENTS**

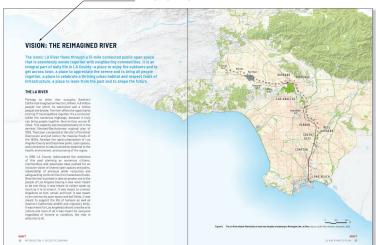




WHAT'S IN THE PLAN RESILIENCE & ADAPTATION

#### WHAT'S IN THE PLAN

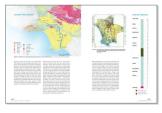
#### **VISION STATEMENT**





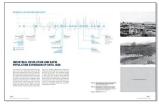








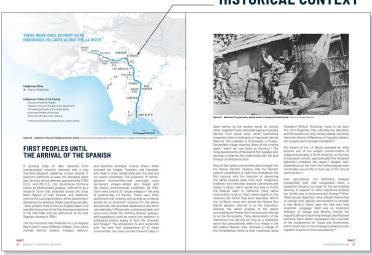








#### **HISTORICAL CONTEXT**



WELCOME ENGAGEMENT LARMP 2020 WHAT'S IN THE PLAN RESILIENCE & ADAPTATION ENVIRONMENTAL GRAPHICS PUBLIC COMMENT WRAP UP





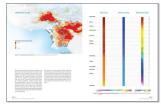




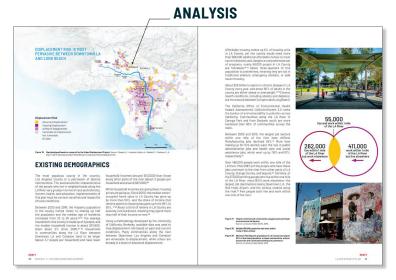


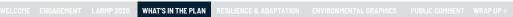






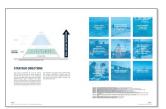


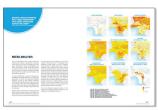


















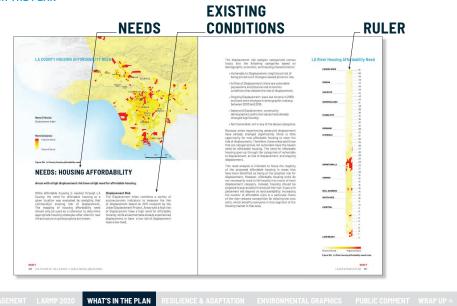




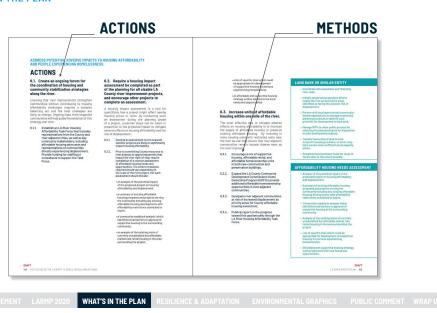
#### WHAT'S IN THE PLAN



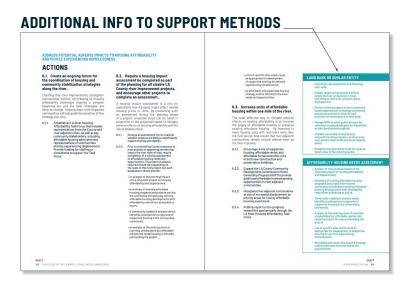
#### WHAT'S IN THE PLAN



#### WHAT'S IN THE PLAN



#### WHAT'S IN THE PLAN













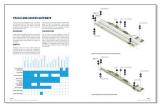


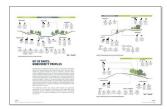












































WHAT'S IN THE PLAN

### **APPENDICES**

#### **DESIGN GUIDELINES**

- Plant Species
- Soils Guidelines
- Trail Widths Requirements
- Environmental Graphics
- Permitting Overview
- 0&M Planning
- Integration of Arts and Culture
- Project Scale and Programming

#### **TECHNICAL DOCUMENT**

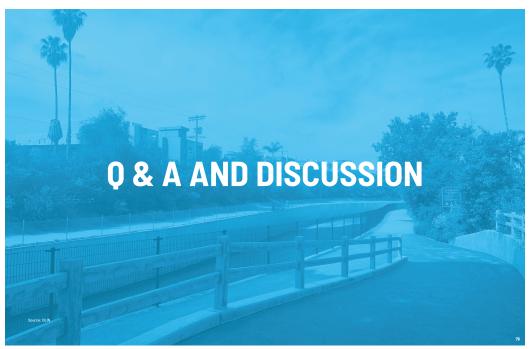
- Additional River Rulers
- Hydrology and Hydraulics Analysis
- Needs Mapping and Weighting
- Project Database / Library of Sources and Data Catalog

WELCOME ENGAGEMENT LARMP 2020 WHAT'S IN THE PLAN RESILIENCE & ADAPTATION ENVIRONMENTAL GRAPHICS PUBLIC COMMENT WRAP UP

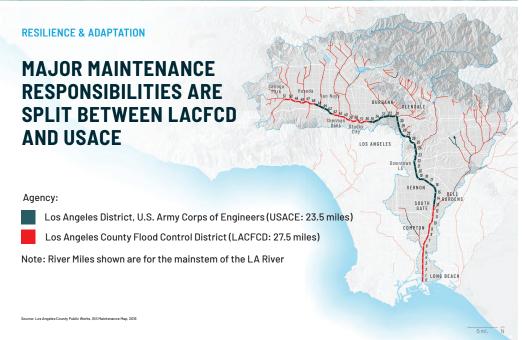
WHAT'S IN THE PLAN

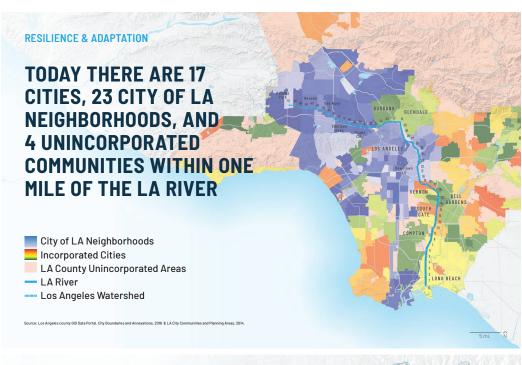
## STEERING COMMITTEE DRAFT SCHEDULE

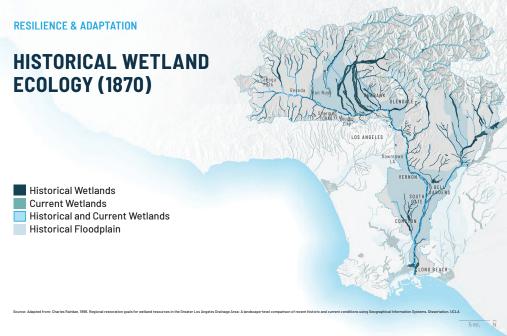
- SUBCOMMITTEES TO RECEIVE FULL DRAFT BY: JANUARY 6 2020 (ESTIMATED 5 WEEKS FOR REVIEW)
- FINAL DRAFT FOR PUBLIC COMMENT: ESTIMATED: MAY 2020

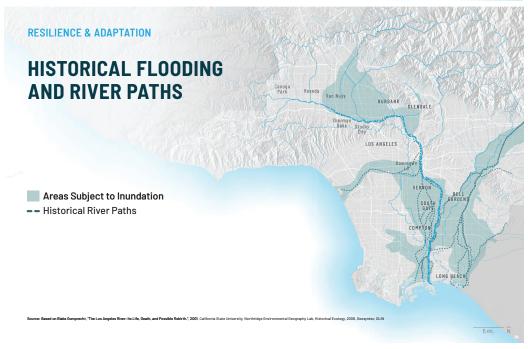


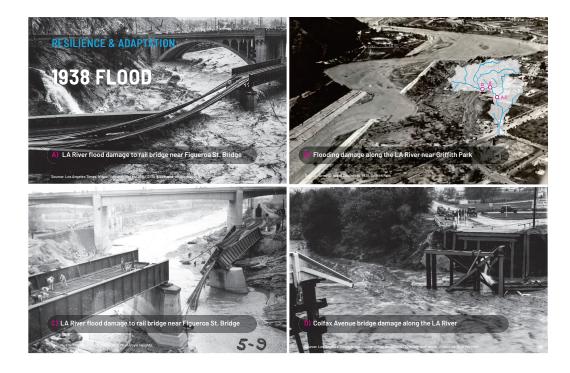












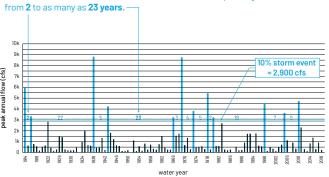
#### **RESILIENCE & ADAPTATION**

## STORM PROBABILITY

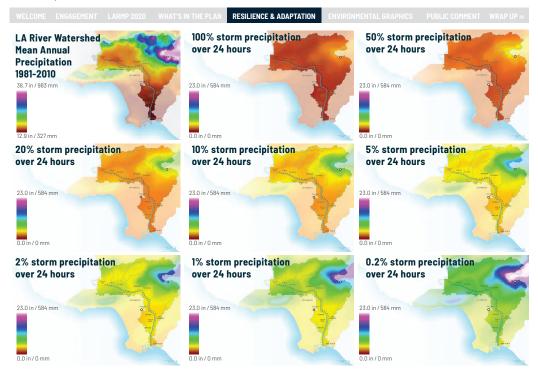
Defining the 1% storm:

- A storm that has a 1% probability of happening in any given year.
- A storm that happens once every 100 years (i.e., a "100-year" storm) on average.
- 1% (i.e., 100-year) events can happen in back-to-back years or even the same year.
- Over 30 years (i.e., the length of standard home mortgage), the probability of having a 1% event is 25%.
- Climate change is likely to increase the frequency of extreme events.

The 10% storm occurs on average once every 10 years. However, the time between 10% storm events varies and in this example ranges

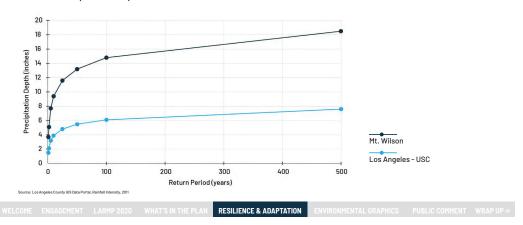


Incidence of the 10% storm event for the Arroyo Seco near Pasadena, CA, (USGS 11098000)



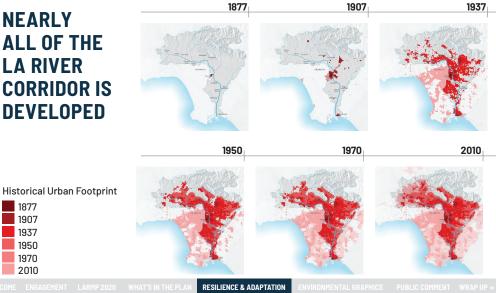
## **STORM RETURN PERIODS**

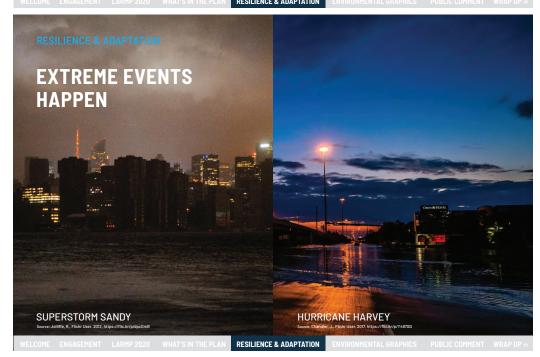
#### 24-hour Precipitation Depth versus Return Period

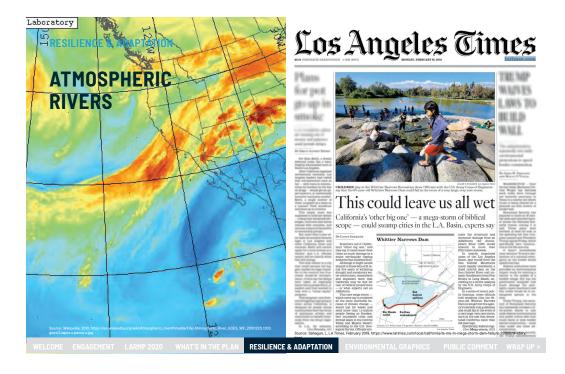


#### **RESILIENCE & ADAPTATION**





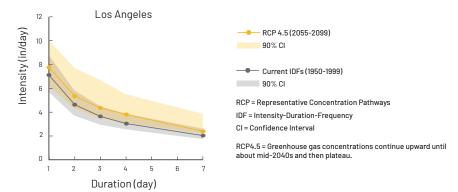




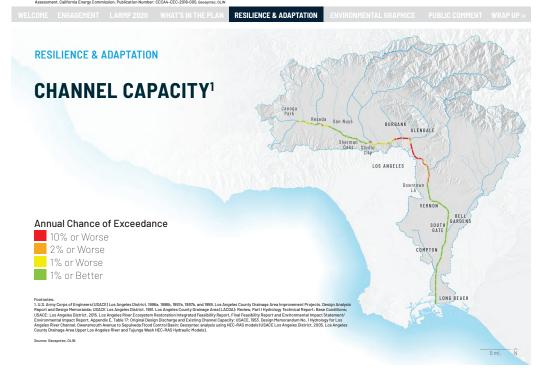
#### **RESILIENCE & ADAPTATION**

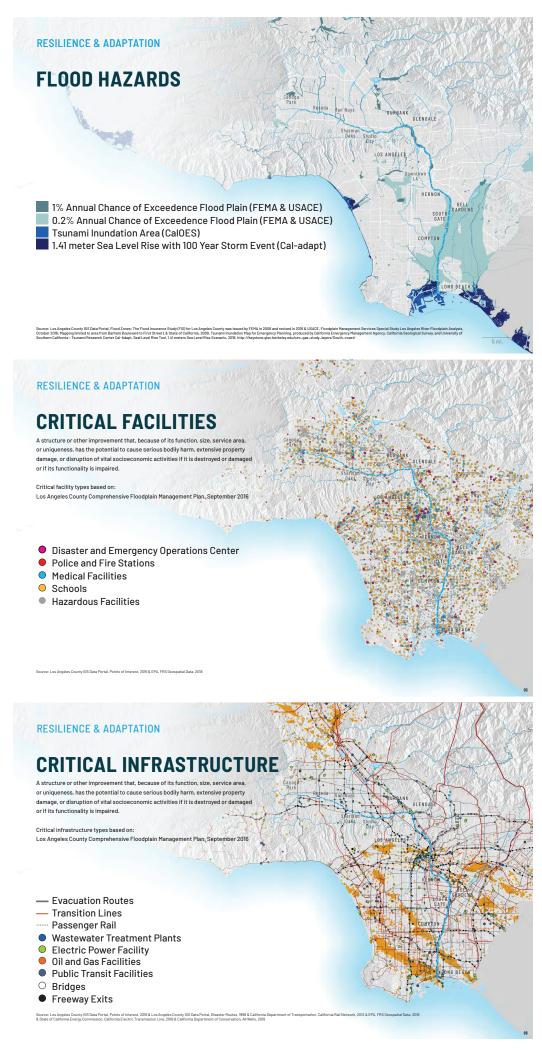
## **CLIMATE CHANGE**

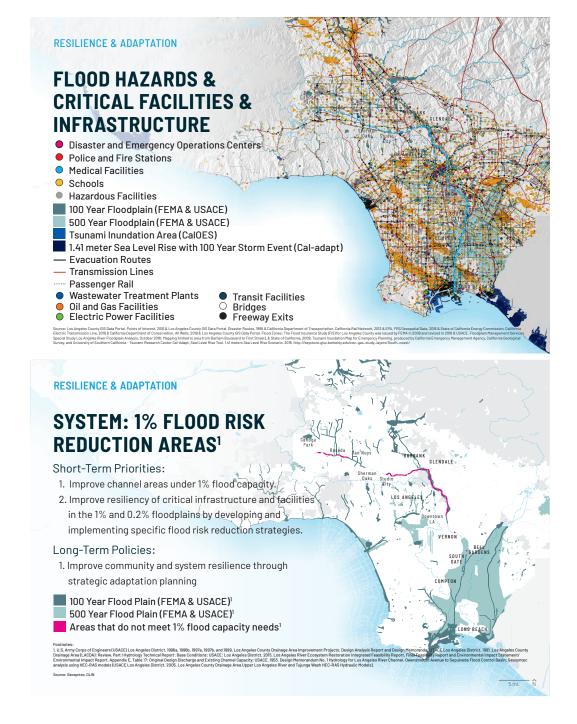
Current rainfall design frequencies may underestimate future climate conditions.



Source: Modified from Agha Kouchak, Amir, Elisa Rapno, Charlotte Love, and Hamed Moftakhari. (University of California, Irvine). 2018. Projected changes in California's precipitation intensity-duration-frequency curves. California's Fourth Climate Change

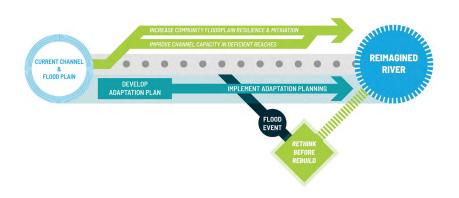






**RESILIENCE & ADAPTATION** 

## **RESILIENCE & ADAPTATION STRATEGY**



## **RETHINK BEFORE REBUILD**

POST-DISASTER RECOVERY FRAMEWORK



**RESILIENCE & ADAPTATION** 

## **MITIGATION SAVES MONEY**

National Benefit-Cost Ratio Per Peril *BCR numbers in this study have been rounded  Overall Hazard Benefit-Cost Ratio	Federally Funded	Beyond Code Requirements
Riverine Flood	7:1	5:1

RELICIONE ENGAGEMENT LARMP 2020 WHATSIN THE PLAN RESILIENCE & ADAPTATION ENVIRONMENTAL GRAPHICS PUBLIC COMMENT WRAP UP IN

O & A AND DISCUSSION

Single-late lawage 2017 Private lamp histograph language graph ing 1 in a guarta Tringuine. Single-late lawage 2017 Private lamp histograph language graph ing 1 in a guarta Tringuine. Single-late lawage 2017 Private lamp histograph language graph ing 1 in a guarta Tringuine. Single-late lawage 2017 Private lamp histograph language graph ing 1 in a guarta Tringuine. Single-late lawage 2017 Private lamp histograph language graph ing 1 in a guarta Tringuine. Single-late lawage 2017 Private lamp histograph language graph ing 1 in a guarta Tringuine. Single-late lamp and tringuine. Singl



**ENVIRONMENTAL GRAPHICS** 

### **APPENDICES**

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- Plant Species
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#### **TECHNICAL DOCUMENTS**

- · Additional River Rulers
- Hydrology and Hydraulics **Analysis**
- Needs Mapping and Weighting
- Project Database / Library of Sources and Data Catalog

ENVIRONMENTAL GRAPHICS

**ENVIRONMENTAL GRAPHICS** 

## **VALUES FOR ENVIRONMENTAL GRAPHICS UPDATE**

**LEGIBILITY** 

**GRAPHIC CLARITY** 

SIMPLE, TIMELESS AESTHETIC

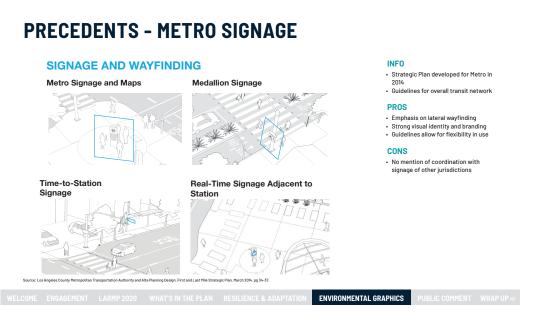
**COORDINATION WITH STAKEHOLDERS** 

LATERAL WAYFINDING TO THE RIVER

## **PRECEDENTS - PARKS & REC TRAIL SIGNAGE**



#### **ENVIRONMENTAL GRAPHICS**

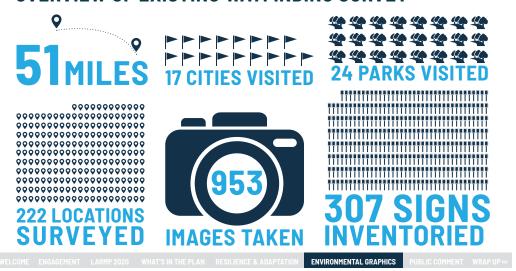


#### **ENVIRONMENTAL GRAPHICS**

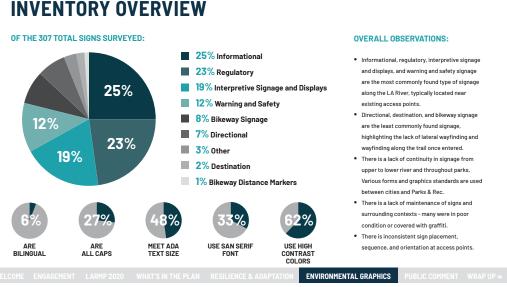
## INTERNATIONAL SIGNAGE PRECEDENTS



### OVERVIEW OF EXISTING WAYFINDING SURVEY



#### **ENVIRONMENTAL GRAPHICS**



#### **ENVIRONMENTAL GRAPHICS**

## **EXISTING SIGNS - ACCESSIBILITY ANALYSIS**

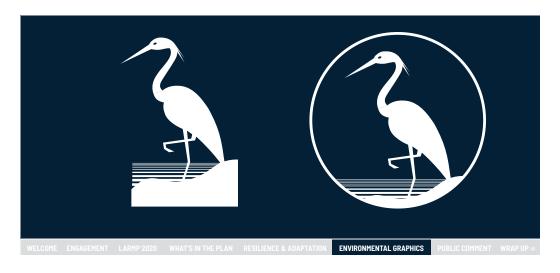


## **EXISTING HERON LOGO EXPRESSION**



**ENVIRONMENTAL GRAPHICS** 

## **HERON LOGO EXPRESSION**

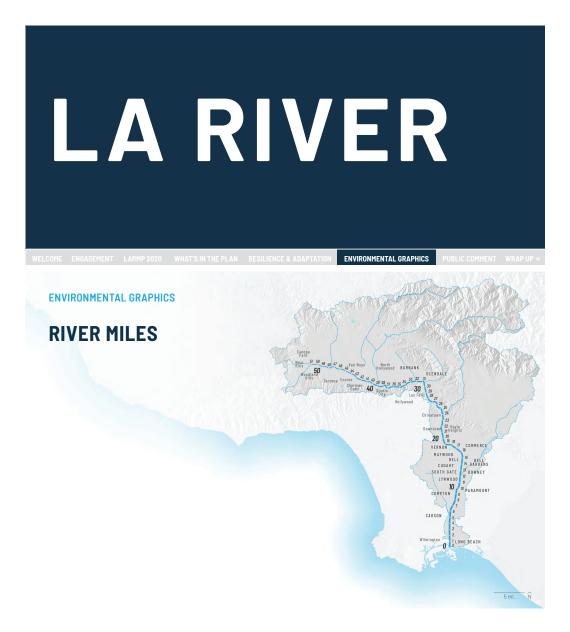


**ENVIRONMENTAL GRAPHICS** 

## **EXISTING TERMINOLOGY**



## **TERMINOLOGY**

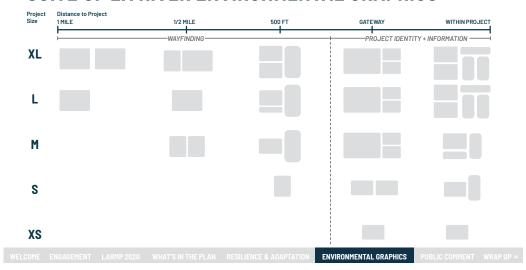


**ENVIRONMENTAL GRAPHICS** 

## **ENVIRONMENTAL GRAPHICS IN GUIDELINES UPDATE**

- 1. INFORMATIONAL
- 2. REGULATORY
- 3. CONFIRMATION
- 4. DIRECTIONAL (LATERAL WAYFINDING TO THE RIVER)
- **5. MILE MARKERS**
- **6. PAVEMENT MARKINGS**
- 7. INTERPRETIVE SIGNS AND DISPLAYS
- 8. LARGE SCALE ICON GRAPHICS

## SUITE OF LA RIVER ENVIRONMENTAL GRAPHICS



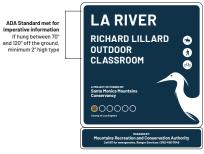
#### ENVIRONMENTAL GRAPHICS

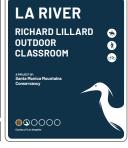
	INFORMATIONAL	REGULATORY	CONFIRMATION	DIRECTIONAL	MILE MARKERS	PAVEMENT MARKINGS	INTERPRETIVE SIGNS AND DISPLAYS	LARGE SCALE ICON GRAPHICS
ADA SIZE  Fize to be determined by height of sign and viewing distance as outlined in ADA standards	YES	SOMETIMES Yellow public safety signs meet this requirement, park rule signs do not	YES  Exception is the trail map sign, which has text that is meant to be read up close	YES	YES	YES Mile numbers will be big enough, but ADA standards do not apply to graphics on pavement	NO	NO  Any text will likely be big enough but ADA standards do not apply to graphics in murals or other artwork.
ADA FONT un serif font, capitalized as necessary per ADA standards - use open-source Barlow font	YES	YES	YES	YES	YES	YES Mile numbers will be Barlow font, but ADA standards do not apply to graphics on pavement	YES	NO Text is not required, but if used Barlow is encouraged but not mandatory
CONTRAST  Recommended contrast ratio is 7.0.1 - chieved when recommended colors of white and RAL 5003 are used	YES	YES	YES	YES	YES	YES	YES	NO Guidelines color is not required, choices are to artist's discretion
BILINGUAL anguage dependent on neighborhood Example: Spanish, Chinese, Korean, Russian	NO	YES	NO	NO	NO	NO	YES	STRONGLY ENCOURAGED Ensure that an accessible path o travel leads to sign and that braill is within reach if used
UNIVERSAL DESIGN Include braille or audio components for environmental graphics	STRONGLY ENCOURAGED Ensure that an accessible path of travel leads to sign and that braille is within reach if used	STRONGLY ENCOURAGED Ensure that an accessible path of travel leads to sign and that braille is within reach if used	STRONGLY ENCOURAGED Ensure that an accessible path of travel leads to sign and that braille is within reach if used	SOMETIMES  Encouraged for wayfinding along padestrian paths of travel	NO	NO	STRONGLY ENCOURAGED Ensure that an accessible path of travel leads to sign and that braille is within reach if used	STRONGLY ENCOUR AGED Ensure that an accessible path o travel leads to sign and that braill is within reach if used
NATIVE AMERICAN PLACE NAMES & REFERENCES content dependent site location along the LA River - reference tribal nation none map in Design Guidelines, p. XXX	STRONGLY ENCOURAGED Contact appropriate Native Community representative per site location and River Mile	NO	STRONGLY ENCOURAGED Contract appropriate Native Community representative per site location and River Mile	STRONGLY ENCOURAGED  Contact appropriate Native Community representative per site location and River Mile	NO	NO	STRONGLY ENCOURAGED Contact appropriate Native Community representative per site location and River Mile	STRONGLY ENCOURAGED Contact appropriate Native Community representative per

#### **ENVIRONMENTAL GRAPHICS**

## **INFORMATIONAL**







#### PURPOSE AND PLACEMENT

- · Informs visitors about a park or trail. including the owner, funding source(s), and agencies and organizations involved with the project.
- Place one at the primary entrance of the park or trail, with as little other signage as possible.

## **ENVIRONMENTAL GRAPHICS ALONG THE RIVER**



**ENVIRONMENTAL GRAPHICS** 

### **ENVIRONMENTAL GRAPHICS ON THE WAY TO THE RIVER**















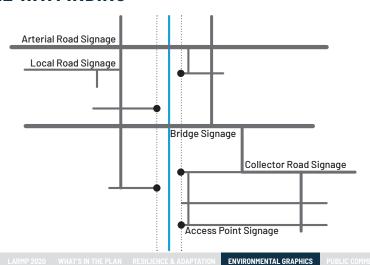
#### PURPOSE AND PLACEMENT

- Alerts travelers to the location of the river and trail. Will set traffic patterns to and from the river.
- Jurisdictionally, these signs will be located in the CalTrans ROW, City of LA DOT ROW, unincorporated LA County, or other individual cities.
- Placement should follow jurisdictional and traffic standards, establishing preferred routes to the river.

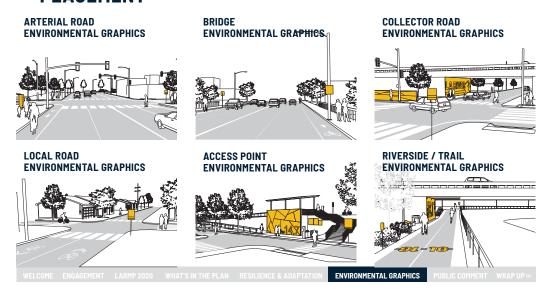
WELCOME ENGAGEMENT LARMP 2020 WHAT'S IN THE PLAN RESILIENCE & ADAPTATION ENVIRONMENTAL GRAPHICS PUBLIC COMMENT WRAP UP

#### **ENVIRONMENTAL GRAPHICS**

### LATERAL WAYFINDING

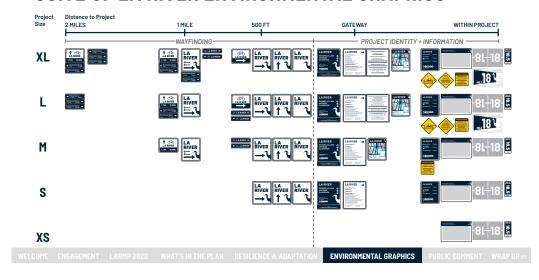


## **PLACEMENT**



**ENVIRONMENTAL GRAPHICS** 

## **SUITE OF LA RIVER ENVIRONMENTAL GRAPHICS**



**ENVIRONMENTAL GRAPHICS** 

## **ENVIRONMENTAL GRAPHICS - COMMUNITY EXPRESSION**

#### **CAN BE MODIFIED**

- INFORMATIONAL
- INTERPRETIVE SIGNS AND **DISPLAYS**
- LARGE SCALE ICON GRAPHICS

#### **CONSISTENT**

- REGULATORY
- CONFIRMATION
- DIRECTIONAL
- MILE MARKERS
- PAVEMENT MARKINGS





## **PUBLIC COMMENT OPTIONS**

- Verbal comments
  - Speakers to be called in order of speaker cards submitted (optional)
  - Up to 15 minutes total for the Public Comment item
  - Total time per person will depend on number of speaker cards received
- Comment cards
- Email comments to LARiver@dpw.lacounty.gov



## **Important Upcoming Dates:**

- SubCommittees to Receive Full Draft January 6, 2020
- Final Draft for Public Comment May 2020
- Community Event Summer 2020

STAY TUNED!

INPUT, QUESTIONS, IDEAS? Contact Genevieve Osmeña at (626) 458-4322 or LARiver@dpw.lacounty.gov

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MOVING FORWA

WRAP UP 131



LARiverMasterPlan.org

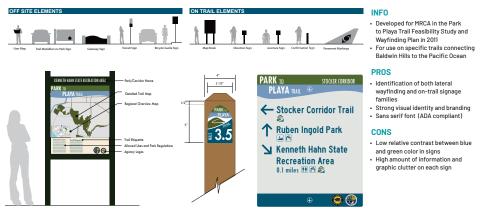
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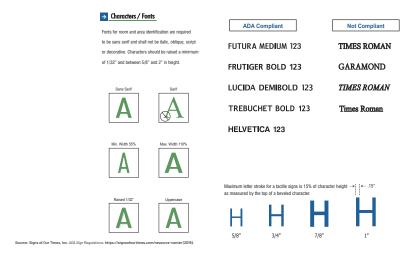


**ENVIRONMENTAL GRAPHICS GUIDELINES** 

## PRECEDENTS - PARK TO PLAYA TRAIL SIGNAGE

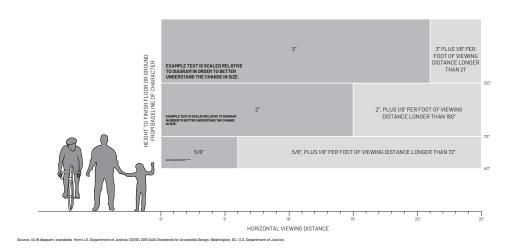


## **ADA SIGN REQUIREMENTS: FONT**



**ENVIRONMENTAL GRAPHICS GUIDELINES** 

## **ADA SIGN REQUIREMENTS: CHARACTER HEIGHT**



**ENVIRONMENTAL GRAPHICS GUIDELINES** 

## **SYMBOLS**

MUTCD







## **REGULATORY**





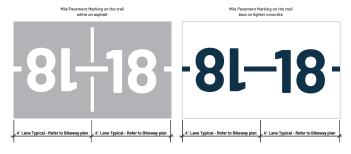


## PURPOSE AND PLACEMENT

- Alerts user to the rules and regulations of the park or trail. Also informs users about safety best practices along the river channel.
- Place one set of rules near the entrance. Other signage about the channel should be placed at regular intervals along the channel trail itself.

#### **ENVIRONMENTAL GRAPHICS GUIDELINES**

### **PAVEMENT MARKINGS**

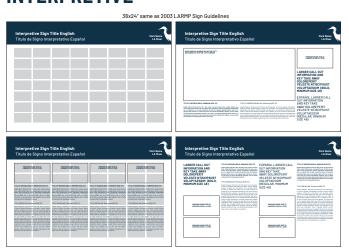


#### PURPOSE AND PLACEMENT

- Demarcates the distance from the outfall into the ocean (mile 0) to the headwaters (mile 51).
- Paint one every mile along the trail.

#### **ENVIRONMENTAL GRAPHICS GUIDELINES**

### **INTERPRETIVE**



#### PURPOSE AND PLACEMENT

- Educates trail and park users. Presiding agency will determine the content and use of interpretive signs.
- Placement should be out of the main route of circulation - and trail rest areas, access points, river pavilions, overlooks.

## **MILE MARKERS**

6x14.5" Hung between 40" and 70" off the ground



#### PURPOSE AND PLACEMENT

- Demarcates the distance from the outfall into the ocean (River Mile 0) to the headwaters (River Mile 51).
- · Place one every half mile along the trail, on the riverside of the trail.

#### **ENVIRONMENTAL GRAPHICS GUIDELINES**

### CONFIRMATION

26.75x32" same as 2003 LARMP Sign Guidelines Limited to 3 destinations per sign to meet MUTCD requirements









#### PURPOSE AND PLACEMENT

- · Informs trail users that they are on the correct route. Can include distances or time. but does not direct (no arrows).
- · Place one set of rules near the entrance. Other signage about the channel should be placed at regular intervals along the trail itself.
- Signs showing destinations should show locations that are ahead on the trail and on the same side of the river bank. They should be double-sided, and can include symbols that indicate locations that have amenities such as restrooms and first aid.
- · Trail map signs should be placed at access points so that users can identify access points and exits before they embark on their

#### **ENVIRONMENTAL GRAPHICS GUIDELINES**

## LARGE SCALE ICON GRAPHICS

#### TRAIL UNDERPASSES

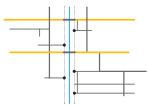


#### PURPOSE AND PLACEMENT

- · Adds to the characters of the river and informs users about location.
- · Place along blank walls, underpasses, or other key moments to highlight river mile or local context.

# ARTERIAL ROAD ENVIRONMENTAL GRAPHICS





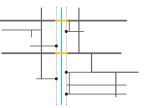
#### BEST PRACTICE GUIDELINES

- Per MUTCD, do not place Community Wayfinding along Freeways and Expressways.
- Per MUTCD, do not place Community
   Wayfinding in a location that competes
   visually with standard traffic signs.
- Use existing posts and traffic light posts where possible.
- At large pedestrian intersections, combine wayfinding with large totems at corners to avoid sign clutter.
- Apply Directional signage with existing bike lanes / pavement markings where applicable.
- Direct users to nearest access point.

**ENVIRONMENTAL GRAPHICS GUIDELINES** 

## **BRIDGE ENVIRONMENTAL GRAPHICS**





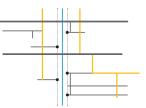
#### **BEST PRACTICE GUIDELINES**

- Per MUTCD, do not place Community Wayfinding along Freeways and Expressways.
- Per MUTCD, do not place Community
   Wayfinding in a location that competes
   visually with standard traffic signs.
- Use existing posts where possible.
- Apply Confirmation Signage that the bridge is crossing the LA River, isolated from other traffic signs.

**ENVIRONMENTAL GRAPHICS GUIDELINES** 

# COLLECTOR ROAD ENVIRONMENTAL GRAPHICS



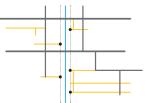


#### BEST PRACTICE GUIDELINES

- Per MUTCD, do not place Community
   Wayfinding in a location that competes visually with standard traffic signs.
- Use existing posts and traffic light posts where possible.
- At large pedestrian intersections, combine wayfinding with large totems at corners to avoid sign clutter.
- Apply Directional signage with existing bike lanes / pavement markings where applicable.
- Direct users to nearest access point.

# LOCAL ROAD ENVIRONMENTAL GRAPHICS



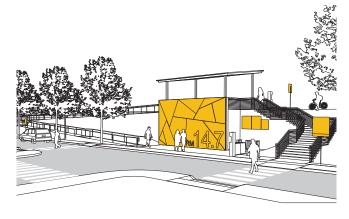


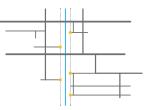
#### BEST PRACTICE GUIDELINES

- Per MUTCD, do not place Community
  Wayfinding in a location that competes
  visually with standard traffic signs.
- · Use existing posts where possible.
- Apply Directional signage with existing bike lanes / pavement markings where applicable.
- · Direct users to nearest access point.
- Be sensitive to context In Residential areas, restrict signage to public ROW and minimize signage as needed.

**ENVIRONMENTAL GRAPHICS GUIDELINES** 

# ACCESS POINT ENVIRONMENTAL GRAPHICS



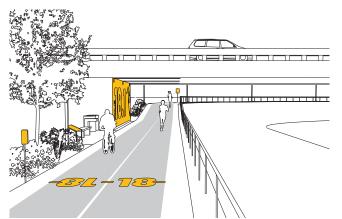


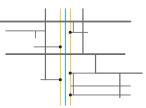
#### BEST PRACTICE GUIDELINES

- Place one Informational sign at the entry point of each access point.
- Place Regulatory "Park Rules" sign further back, alongside River Pavilion, trail, or other amenity.
- Apply Regulatory "Warning and Safety" signage along channel at regular intervals. (Every mile?)
- Use environmental graphics for neighborhood expression.
- Use existing posts where possible.

**ENVIRONMENTAL GRAPHICS GUIDELINES** 

# RIVERSIDE / TRAIL ENVIRONMENTAL GRAPHICS





#### BEST PRACTICE GUIDELINES

- Place Mile Markers and pavement markings every .5 miles.
- Place Confirmation and Destination signs as needed along the trail (at least every mile).
- Use environmental graphics for trail underpasses and bare walls along the trail.
- Use existing posts where possible.

## **ENVIRONMENTAL GRAPHICS - COMMUNITY EXPRESSION**

## ELEMENTS THAT MUST BE CONSISTENT:

- Barlow font
- · Heron symbol or icon
- Color Besides the color variation in natural materials, any additional non-neutral colors should match the guidelines RAL





**ENVIRONMENTAL GRAPHICS GUIDELINES** 

### **ENVIRONMENTAL GRAPHICS - COMMUNITY EXPRESSION**

## VARIATION ALLOWED IN THESE ELEMENTS:

- Materials (should not impact water quality, such as galvanized metals)
- Form
- Content

**ENVIRONMENTAL GRAPHICS GUIDELINES** 

# ADDITIONAL ITEMS FOR ENVIRONMENTAL GRAPHICS GUIDELINES UPDATE

SIGN MATERIALITY

**ATTACHMENTS - MOUNTING BRACKETS** 

**BIKE TRAIL PAINT - WATER BASED / THERMOPLASTIC** 

**COLOR MATCHING** 

<sup>\*</sup>Exception is with large scale icon graphics, where artist has discretion on final outcome.



## Appendix C

## **Steering Committee Sign-in Sheets**



## Los Angeles River Master Plan Update

Steering Committee Meeting December 12, 2019 9 a.m. to 12 p.m. LOCATION

Los Angeles County Public Works Headquarters 900 South Fremont Ave, Alhambra, CA 91803 Conference Room A-B

## Sign In for Members

NAME OF AGENCY	PRIMARY MEMBER	INITIALS	OFFICIAL ALTERNATE	INITIALS	NOTES
Los Angeles Department of Water			Rafael Villegas  Manuel Aguilar		
and Power	Evelyn Cortez-Davis				
Los Angeles Neighborhood Land	Keshia Sexton		Beth Kent	MA.	
Trust		P		(A c () /	
Los Angeles Waterkeeper	Bruce Reznik		Melissa von Mayrhauser	WW	
Metropolitan Transportation Authority	Lauren Cencic	90	Sarah Schurtz Mitali Gu Maressa Sah	pta MG	
Mujeres De La Tierra	Irma R. Muñoz		Paola Machan	140	
Pacoima Beautiful	Veronica Padilla- Campos		Andres Ramirez		
Public Counsel	Heidi Liu				
Regional Water Quality Control Board	Renee Purdy				
Rivers and Mountains Conservancy	Mark Stanley		Joseph Gonzalez	( Bo	
INVERS and Flountains Conservancy	mark Stainley		Marybeth Vergara	JAN.	
Santa Monica Mountains	Joseph T. Edmiston		Brian Baldauf	Firs	
Conservancy			Melissa Vega		
Conservancy			Sarah Rascon	82	
Sierra Club Long Beach Area	Gabrielle Weeks				
The Boethius Initiative UCLA			Julia Carnahan		
Department of World Arts and	Peter Sellars		Catherine Gudis		
Cultures			Andrew Martinez		
	Shona Ganguly		Kelsey Jessup		
The Nature Conservancy			Jill Sourial		
			Miguel Ramos	me	
The Trust for Public Land	Robin Mark	RM			
Urban Waters Federal Partnership (National Park Service)	Justin Yee	ì	Anne Dove		
US Army Corps of Engineers	Eduardo DeMesa		Chris Solek		
US Department of Housing and Urban Development	Pauline K. Louie				
Water Replenishment District	Robb Whitaker		Kimberly Badescu		



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## Sign In for Members

Conference Room A-B

	orgin in for the				
NAME OF AGENCY	PRIMARY MEMBER	INITIALS	OFFICIAL ALTERNATE	INITIALS	NOTES
City of Downey	Sean Ashton				
City of Long Beach			Tyler Curley		
City of Los Angeles (Mayor's Office)	Michael Affeldt	my	Katie Mika		
only of Los Angeles (Hayor's office)			Edward Belden	EB	
City of Los Angeles Bureau of	Gary Lee Moore		Deborah Weintraub	1//	
Engineering	odry Lee Hoore		Katherine Doherty	(40)	
City of Paramount Public Works	Adriana Figueroa				
City of South Gate	Arturo Cervantes		Gladis Deras	PH 7	
Council for Watershed Health	Eileen Alduenda	R	Yareli Sanchez		
East Yard Communities for	mark! Lopez		Alessandro Negrete		
Environmental Justice	·		Jessica Prieto		
Friends of the LA River (FoLAR)	Marissa Christiansen		Manuel Sonez Liliana Grie	96 6	
From Lot to Spot	Viviana Franco		Maria De Leon	0	
	Viviana i ranco		Jessica Cervantes		
Heal the Bay	Shelley Luce		Katherine Pease	KP	
			Amanda Wagner		
LA-Mas	Mia Lehrer			1,1	
Long Beach Conservation Corps	Dan Knapp		Kayla Kelly-Slatten	47 PS	
Los Angeles Business Council	Mary Leslie		Rory Stewart		
Los Angeles City/County Native	Rudy Ortega	12	Alexandra Valdes		
American Indian Commission	Rudy of toga	N	Andrea Garcia		
	Waqas Rehman				
Los Angeles County 1st District			Guadalupe Duran-Medina	1100	
			Martin Reyes	MOR	
Los Angeles County 2nd District	Karly Katona		Carmen Gosey	0.07	
Los Angeles County 3rd District	Katy Yaroslavsky	1700	Virdiana Velez	ONO.	
Los Angeles County 4th District	Jocelyn Rivera-Olivas	11/0	V Davitza Conzalor	Mg	
Los Angeles County 5th District	Edel Vizcarra	J, 0	Susie Osuna		
Los Angeles County Bicycle	Eli Kaufman				
Los Angeles County Business Federation	Hilary Norton		Lori Garcia	0.0	
os Angeles County Flood Control District	Keith Lilley	W.	Carolina Hernandez	(8)	