

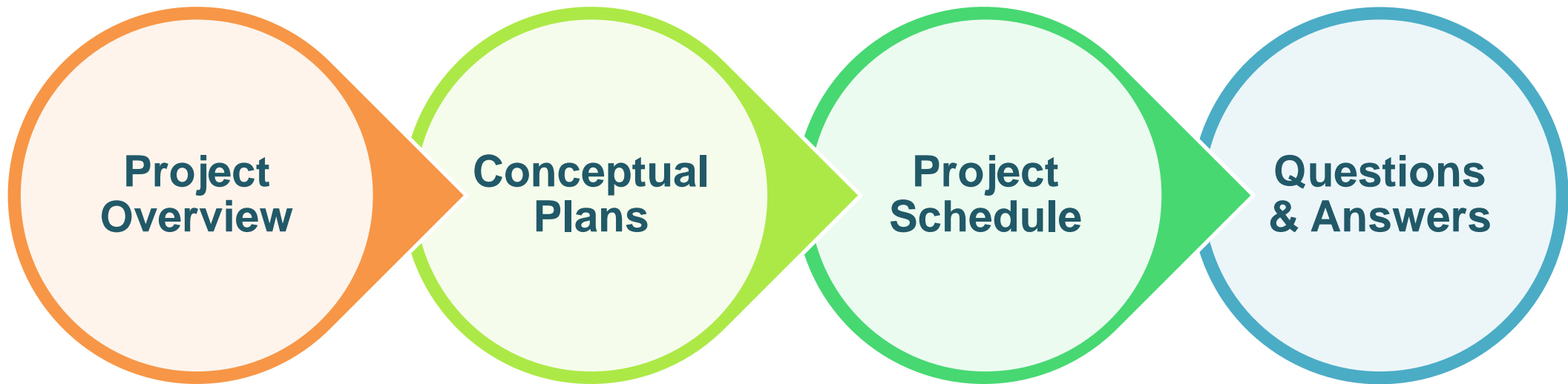
Santa Ana-Delhi Channel Improvements

Project Overview

Community Open House | 24 June 2023



WHY ARE WE HERE





PROJECT PURPOSE



CHANNEL TYPE:

Mixed Material Composition:

- Earthen, riprap (large rocks), and concrete

Limits:

Upper Newport Bay
Bayview Trail Pedestrian Bridge

300 ft downstream of Mesa Drive



EXISTING CONDITIONS



Lower Reach (West Side)



Lower Reach (East Side)

EXISTING CONDITIONS



Upper Reach (West Side)



Upper Reach (East Side)

PROJECT PURPOSE



- **Constructed in 1965**
- **Majority of upstream improvements completed**
 - **In 1991, OC Flood Control District received U.S. Army Corps of Engineers permit approval for an upstream portion of the channel system.**
 - **The approved permit conditions stipulated no future permits would be issued for the remainder of the channel system improvements until comprehensive mitigation for all channel improvements was completed.**
 - **The Project's Environmental Impact Report (EIR) includes the findings of the required mitigation studies.**

PROJECT GOALS & OBJECTIVES



1. Provide flood control protection of current design standards
2. Decrease local scour along the channel and at the outlet to Upper Newport Bay and reduce sediment transported to the Bay
3. Provide habitat restoration, i.e. mitigation, for cumulative impacts associated to the entire channel system

PROJECT CONSIDERATIONS



• Golf Course

- Floods During Large Storms
- Existing Open Space / Outdoor Recreation
- Limited / No Play Interruption

• Neighborhood

- Flood Protection
- Working Area Constraints / Aesthetics

• Muth Interpretive Center

- Educational / Volunteer Opportunities
- Engagement & Support for Conservation / Recreational Opportunities

• Multi-Use Trail

- Improve Trail Connectivity / Aesthetics
- Increase Flood Protection / Reduce Erosion
- Habitat Creation for Mitigation

• Pedestrian Bridge

- Structure Foundation Improvements
- Trail Connectivity / Multimodal Active Transportation Safety Improvements

PROJECT SCOPE



- Improved Flood Control Channel
- Improved Storm Patrol Maintenance Roads
- Improved Multi-Use Trail
- Habitat Creation & Restoration
- New Bayview Trial Bridge

FLOOD CONTROL IMPROVEMENTS



SANTA ANA-DELHI CHANNEL IMPROVEMENTS

REGIONAL TRAIL LINKAGE



SANTA ANA-DELHI CHANNEL IMPROVEMENTS

MESA DRIVE – MULTI-USE TRAIL



PRELIMINARY DESIGN CONCEPT

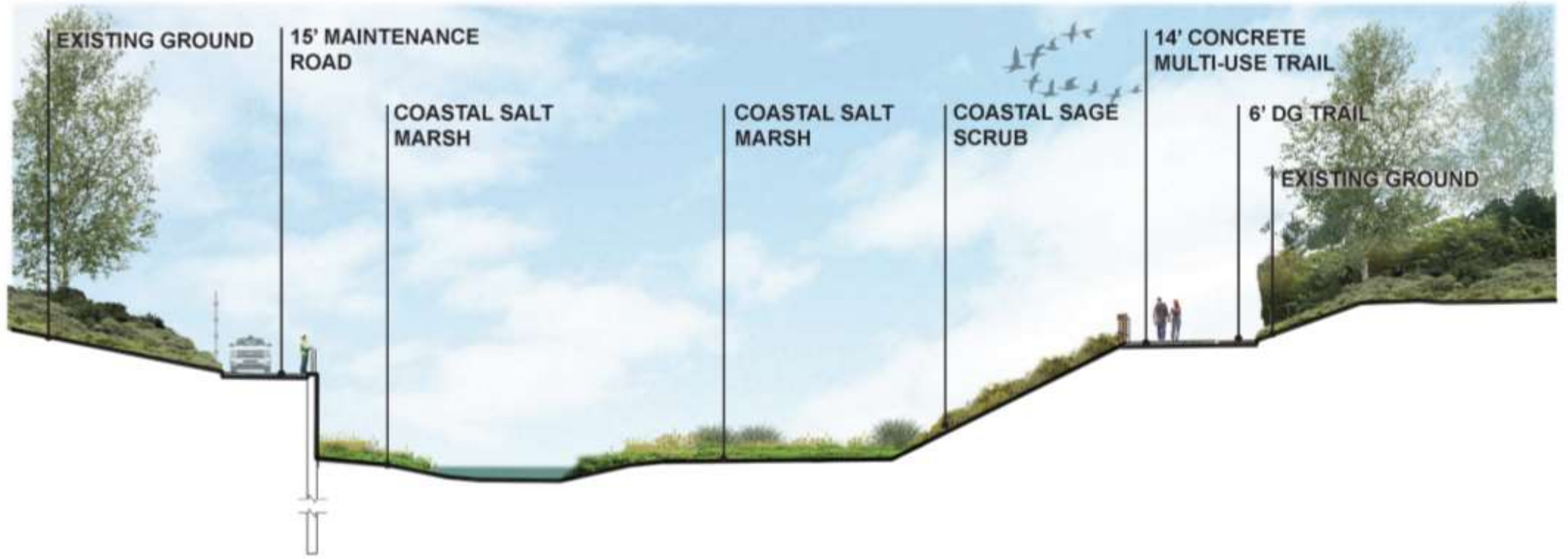


Illustration for Conceptual Purposes Only

BAYVIEW BRIDGE CONCEPT

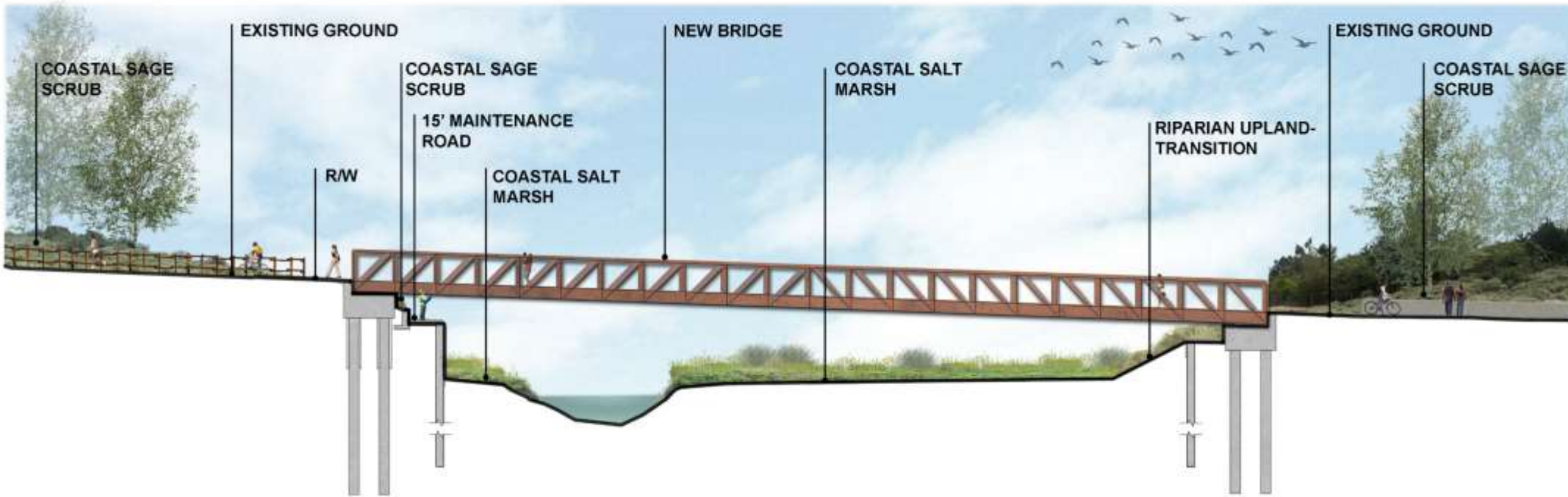


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REGIONAL TRAIL LINKAGE



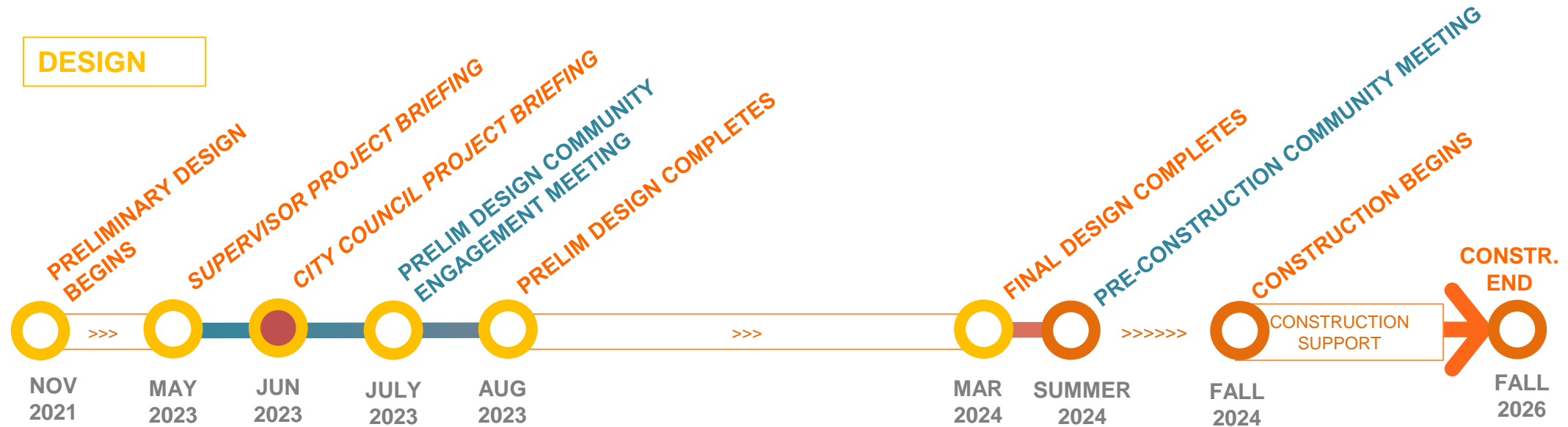
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PRELIMINARY PROJECT SCHEDULE



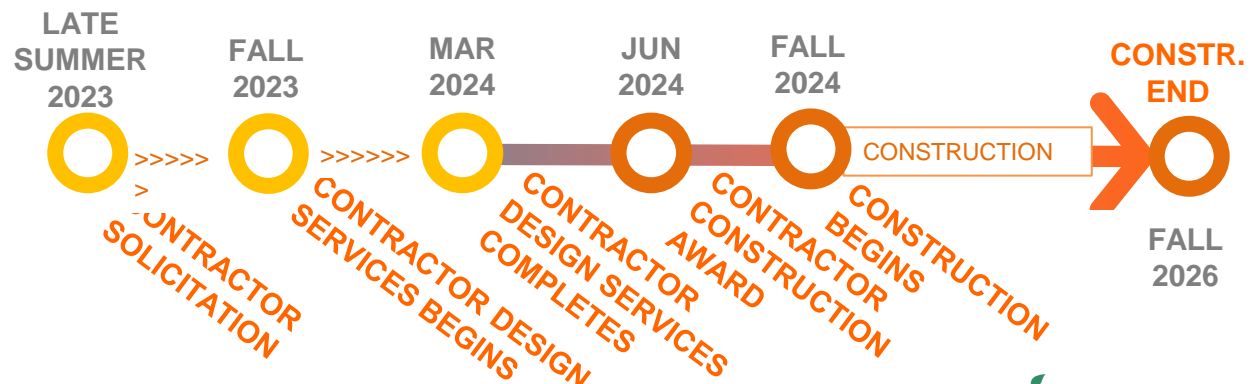
*Subject to change due to stakeholder and regulatory approvals, weather, budget, etc.

DESIGN



ROW ACQUISITIONS & REGULATORY PERMITS

CONSTRUCTION



COMMUNITY ENGAGEMENT

June 21st 2023: Supervisor Foley Walking Tour, Upper Newport Bay

- Guided walk with OC Parks
- OCPW to join and set up a Project information table near the Muth Center with project flyers

Mid-July 2023: Project Overview Open House

- OCPW Project Team host overview at Muth Center

Summer 2024: Pre-Construction Community Meeting

- OCPW Project Team and Contractor host
“What to Expect” Pre-Construction Meeting at Muth Center



CONTACT & PROJECT UPDATES

E-mail: ProjectInfo@ocpw.ocgov.com

Phone: 714-245-4500

Social Media:



[Facebook.com/OCPublicWorks](https://www.facebook.com/OCPublicWorks)



[Twitter.com/OCPublicWorks](https://twitter.com/OCPublicWorks)





[Instagram #OCPublicWorks](https://www.instagram.com/OCPublicWorks)



[YouTube #OCPublicWorks](https://www.youtube.com/OCPublicWorks)

Ex. Project Notices

PROJECT ACTIVITY




Santa Ana-Delhi Channel:

Inspection of County Flood Control Property for Future Improvements

OC Public Works staff and contractors will be performing geotechnical investigations at locations along the Santa Ana-Delhi Channel in the area shown below. The purpose is to investigate soil conditions along the channel in preparation for a future channel improvement project.

WHERE	WHAT
<ul style="list-style-type: none">Future channel improvement project areaGeotechnical investigations will occur at several locations along the County maintenance road within this area, including near the Bayview Trail pedestrian bridge.	<p>Project personnel and small equipment will be present along the channel area. A drilling will be used to collect soil samples at various locations within the future project area.</p> <p>NOTE: Public access across the Bayview Trail pedestrian bridge will remain open. One day (only 3-3 hours) will require closure of one "lane" while keeping one lane open for continuous public access across the bridge. Project personnel will be present to guide trail users through the work zone.</p> <p>This activity is in preparation for a future project to improve the Santa Ana-Delhi Channel to allow the continued flow of water through the channel.</p>



WHEN
<p>August 17-21, 2020 8 am-4 pm</p> <p>Timing of future channel improvement project has not yet been identified.</p>

CONTACT INFORMATION
<ul style="list-style-type: none">Business Water / 714.245.4500www.ocpublicworks.comProjectInfo@ocpw.ocgov.comFacebook.com/ocpublicworksTwitter.com/ocpublicworks

THANK YOU!

