Central Santa Monica Bay
Watershed Area Steering Committee (WASC)
Meeting Minutes

Tuesday, November 29, 2022
2:00pm - 4:00pm
WebEx Meeting

Committee Members Present:
Cung Nguyen, LA County Flood Control District (Agency)
*Art Castro, LA Department of Water and Power (Agency)
*Hubertus Cox, LA City Sanitation and Environment (Agency)
Cathie Santo Domingo, LA City Recreation & Parks (Agency)
Alysen Weiland, PSOMAS (Community)
*Gloria Medina, The Solutions Project/SCOPE (Community)
*Maggie Gardner, LA Waterkeeper (Community)
Edgar Campos, T.R.U.S.T. South LA (Community)
Josette Descalzo, Beverly Hills (Municipal)
Sean Singletary, Culver City (Municipal)
Roberto Perez, Los Angeles (Municipal)
Rafael Prieto, Los Angeles (Municipal)
Susie Santilena, Los Angeles (Municipal), Chair
Bruce Hamamoto, Los Angeles County (Municipal) [replaced by Alternate Member Geremew Amenu at 3:04pm]
Curtis Castle, Santa Monica (Municipal)
Mikaela Randolph, Heal the Bay (Watershed Coordinator, non-voting member)
Michelle Struthers, SGA Marketing (Watershed Coordinator, non-voting member)

*Committee Member Alternate

Committee Members Not Present:
E.J. Caldwell, West Basin Metropolitan Water District (Agency)
Rita Kampalath, LA County Chief Sustainability Office (Community), Vice-Chair

See attached sign-in sheet for full list of attendees.

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1. Welcome and Introductions

District staff conducted a brief tutorial on WebEx. Susie Santilena, Chair of the Central Santa Monica Bay (CSMB) WASC, welcomed Committee Members and called the meeting to order.

District staff facilitated the roll call of Committee Members. All Committee Members made self-introductions and a quorum was established.

2. Approval of Meeting Minutes from October 25, 2022

Member Cung Nguyen made a motion to approve the minutes, seconded by Member Gloria Medina. The Committee voted to approve the October 25, 2022 minutes, with 10 votes in favor, 3 votes in abstention, and two members absent at the time of voting (approved, see vote tracking sheet attached).

3. Committee Member and District Updates

District Staff provided an update, noting:

- On November 15, 2022, the Board of Supervisors (Board) voted to continue meeting virtually, acting under the authority of Assembly Bill 361 which authorizes public committees to meet without complying with all the teleconferencing requirements of the Brown Act. The Board is reviewing its position every 30 days. If the Board decides to no longer approve findings to continue

teleconferencing meetings under AB 361, the WASC has the authority to make their own AB 361 findings. District staff will provide additional guidance as needed.

- On October 4, 2022, the Board of Supervisors approved all nine Stormwater Investment Plans (SIPs). The approved Board letter is available on the Safe, Clean Water Program (SCWP) website under the resources drop down menu and includes funding for the continuing projects. Project Managers of continuing projects from previous years should submit Transfer Agreement Addendums for Fiscal Year 2022-2023 (FY22-23).
- New project developers from the FY22-23 SIPs must complete a designation of project developer form for Infrastructure Program (IP) and Scientific Studies (SS) projects. Continuing project developers from previous SIP years do not need to submit this form.
- Scoring Committee has completed the initial review of Round 4 projects. The Scoring Committee schedule can be found on the SCWP website here. Two CSMB projects were evaluated by the Scoring Committee, which are both being presented later today. One project received the minimum number of points to move to the WASC for consideration. The other project was deemed not scorable.
- At the December 1, 2022 meeting, the Scoring Committee will be rescoring projects that were deemed not scoreable. Project applicants with not scorable projects were asked to provide clarifying information to justify the claim of benefits to assist the Scoring Committee complete their evaluation.
- FY21-22 Quarters 3 and 4 (Q3 & Q4) report summaries for IP and SS developers will be discussed at a future WASC meeting.
- FY22-23 Q1 reports, covering the period of July to September 2022 were due November 14, 2022. Quarterly reports must still be completed even if no work has occurred during the period.
- In early 2023, Q1 and Q2 reports for Round 1 and Round 2 projects will be discussed.
- Attending meetings regularly is a requirement for WASC members under Article 5 of the WASC Operating Guidelines. An absence of two consecutive meetings or more than three meetings in one year will be considered failure to attend meetings and may result in the absentee member's removal from the WASC. If attendance by the Primary member is not possible for a particular meeting, it is requested that the Alternate member be present at the meeting.

Chair Santilena sat in on the Bipartisan Infrastructure Law seminar and shared that projects with regional collaboration that leverage local funding will be more competitive for federal funding opportunities.

Member Descalzo provided updates on the Beverly Hills Burton Way Green Street and Water Efficient Landscape project. The project has finished constructing the underground storage component and several diversion structures. Construction of swales and water efficient landscaping is underway, with completion expected in the first quarter of 2023.

4. Watershed Coordinator Updates

Watershed Coordinator Mikaela Randolph mentioned a CSMB Stormwater Projects Tour that will occur on Saturday, December 3 from 9:00am to 1:30pm. The tour will start at SoFi Stadium, followed by a visit to Ladera Park, which is the site of a SCW funded project. The tour will then visit the Westwood Greenway, TreePeople headquarters, and then return to SoFi Stadium. Lunch and bus transportation will be provided.

Watershed Coordinators presented on nature-based solutions interim guidance and mentioned opportunities under the Bipartisan Infrastructure Law. The presentation can be found on the SCWP website and attached.

5. Public Comment Period

District staff will compile all public comment cards received and include them in the meeting minutes, which will be uploaded to the SCWP website.

Seventeen comment cards were received that voiced support for the Imperial Highway Green Infrastructure Project.

Abby Austin (Representing Councilmember Mike Bonin, Council District 11) shared that the Imperial Highway Green Infrastructure project is widely supported by the community and stakeholders.

6. Discussion

a) Ex Parte Communication Disclosure

There were no ex parte communications disclosed.

b) Infrastructure Program (IP) Presentation:

i. **Imperial Highway Green Infrastructure Project**
City of Los Angeles Sanitation and Environment (LASAN)
Presenter: Kevin Ho / LASAN

Kevin Ho presented the project to the WASC; the presentation will be attached to the meeting minutes.

Committee members asked the applicant a number of clarifying questions. The applicant told the Committee that in terms of community engagement conducted to date, surveys were used to solicit community feedback. Regarding environmental documents related to the California Environmental Quality Act (CEQA) and other relevant permits, the applicant noted that further investigation will be done during design. The cost estimate presented in the application is up to date, with values from July 2022. The current slope of the road will not be changed as both north and south sides are already crowned and will direct flows towards the median. This project is separate from a project in the area that applied for operations and maintenance funding in Round 1.

ii. **Baldwin Vista Green Streets Project**
City of Los Angeles Sanitation and Environment (LASAN)
Presenter: Lorena Matos / LASAN

District staff noted that this project will be rescored at the Scoring Committee Thursday, December 1, 2022. Lorena Matos presented the project to the Committee; the presentation will be attached to the meeting minutes.

Member Medina confirmed with the applicant that there would be around fifteen bioswales and clarified that the enhanced recreational opportunities would include a better walking experience and educational displays. The applicant noted that future outreach is planned throughout the project's design and construction phases, consisting of meetings with the community for input on project design in addition to updates on the project progress.

Member Descalzo asked the project applicant why the project was not extended into the nearby disadvantaged community. The applicant replied that a majority of the water being captured by the project would otherwise run towards the disadvantaged community and cause local flooding. The project area was chosen to benefit the disadvantaged community albeit not being directly located in the disadvantaged community. The applicant clarified that captured flows will be from surface runoff and not storm drains. The applicant also noted that there were no community concerns gathered in any conducted surveys. It was mentioned that the Village Green Owners Association has strict plant palette requirements that the applicants will abide by.

c) Scientific Study Program (SS) Presentation:

i. **Regional Pathogen Reduction Study**
Gateway Water Management Authority
Presenter: Richard Watson / Richard Watson and Associates

Richard Watson noted that this study has been programmed into five WASC SIPs already. While this project will not be scored by the Scoring Committee, the study will undergo peer review. District staff confirmed that, despite being reviewed previously, peer review will occur again due to program guidelines.

Watson presented the study details; the presentation will be attached to the meeting minutes.

Chair Santilena asked the applicant what the key difference is this time compared to their previous application. The applicant highlighted that the distinguishing feature this round is the support of five Watershed Areas already committed. Member Amenu confirmed with the project applicant that the project has not started yet. The applicant explained that it hasn't started yet as they are waiting to allow additional WASCs to confirm participation before the five-year period to use budgeted funds begins. Watson noted that the Regional Board did announce their support for the study but did not make any commitments to changing regulations.

Chair Santilena mentioned to District staff that SIP deliberation could happen as soon as the peer review for the study is available.

d) Next Meeting Date & Time

Chair Santilena proposed canceling the December meeting and resuming in January, and many members agreed. The next meeting is scheduled for January 24, 2023.

7. Public Comment Period

Jonathan Weiss advocated for projects in the SCWP to utilize native plants and noted that only the Imperial Highway Green Infrastructure project had support from the California Native Plant Society. Weiss will be present at the CSMB stormwater tour this Saturday December 3 at the Westwood Greenway location and is happy to discuss the benefits of using native plants.

8. Voting Items

There were no voting items.

9. Items for Next Agenda

The next meeting is scheduled for 10:00 am on January 24, 2023. See the SCWP website for details. Items on the agenda include:

a) TRP Project Updates

b) Findings to Continue Teleconference Meetings under Assembly Bill 361 (if needed)

10. Adjournment

Chair Santilena thanked WASC members and the public for their attendance and participation and adjourned the meeting.

CENTRAL SANTA MONICA BAY WASC MEETING - November 29, 2022

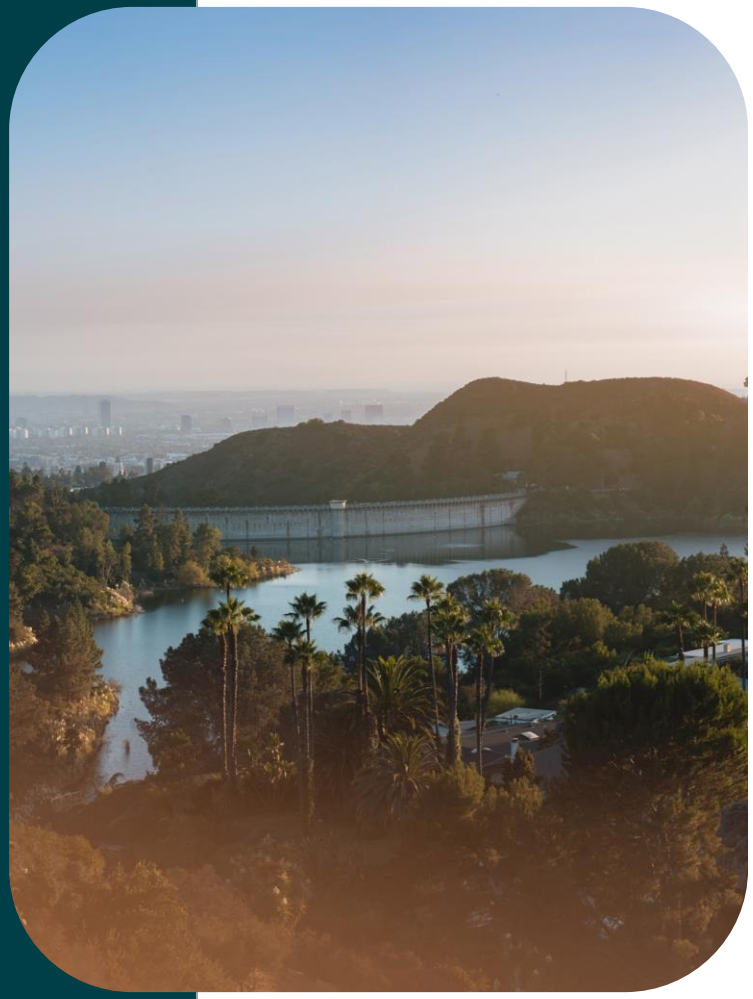
		Quorum Present				Voting Items
Member Type	Organization	Member	Voting?	Alternate	Voting?	October 25, 2022 Meeting Minutes
Agency	Los Angeles County Flood Control District	Cung Nguyen	x	Mark Beltran		Y
Agency	West Basin Metropolitan Water District	E.J. Caldwell				
Agency	Los Angeles City Water & Power	Delon Kwan		Art Castro	x	Y
Agency	Los Angeles City Sanitation and Environment	Sheila Brice		Hubertus Cox	x	A
Agency	Los Angeles City Recreation & Parks	Cathie Santo Domingo	x	Darryl Ford		A
Community Stakeholder	Los Angeles County Chief Sustainability Office	**Rita Kampalath**		Kristen Pawling		
Community Stakeholder	PSOMAS / Business Sector	Alysen Weiland	x			Y
Community Stakeholder	The Solutions Project / SCOPE	Gloria Walton		Gloria Medina	x	Y
Community Stakeholder	Los Angeles Waterkeeper	Bruce Reznik		Maggie Gardner	x	Y
Community Stakeholder	T.R.U.S.T. South LA	Edgar Campos	x			Not Present
Municipal Members	Beverly Hills / West Hollywood	Josette Descalzo	x	Matthew Magener		A
Municipal Members	Culver City	Sean Singletary	x	Yanni Demitri		Y
Municipal Members	Los Angeles	Roberto Perez	x			Y
Municipal Members	Los Angeles	Rafael Prieto	x			Not Present
Municipal Members	Los Angeles	**Susie Santilena**	x	Ryan Jackson		Y
Municipal Members	Los Angeles County	Bruce Hamamoto	x	Geremew Amenu		Y
Municipal Members	Santa Monica	Curtis Castle	x	Selim Eren		Y
Watershed Coordinator	Heal the Bay	Mikaela Randolph	x			N/A
Watershed Coordinator	S. Groner Associates	Michelle Struthers	x			N/A
	Total Non-Vacant Seats	17			Yay (Y)	10
	Total Voting Members Present	15			Nay (N)	0
	Agency	4			Abstain (A)	3
	Community Stakeholder	4			Total	13
	Municipal Members	7				Approved

Other Attendees	
Abby Austin	Josafat Flores
Ana Rivera	Joyce Amaro
Anh Ta	Kevin Ho
Arisa Cleaveland	Lorena Matos
Bonnie MacNeill	MARISOL IBARRA
Brenda Ponton	Mark Nguyen
brett perry	Matthew Magener
Carmen Andrade	Nathan Schreiner
Christine McLeod	Paige Bistromowitz
City of Los Angeles - LA San Scaduto	Phuoc Le
City of Los Angeles Parke-Davis	Rebecca Hoeschler
Conor Mossavi	Richard Watson
Cordoba Corporation Milner	Serena Zhu
Culver City Demitri	seth carr
Cynthia Jackson	Valeria Arteaga
Gabriela gonzalez	Veronica Carrillo
Geremew Amenu	WSP Skutecki
Giselle Ramirez	Yanni Demitri
Gloria Medina	Yen Pham
Gustavo Orozco	
Ida Meisami	
Jeremy McGranahan	
Johanna Chang	
Jonathan Weiss	

CENTRAL SANTA MONICA BAY

Watershed Coordinators Presentation

November 2022



Heal the Bay

SAFE CLEAN WATER

sga MARKETING

AGENDA

Nature Based Solutions Interim Guidance

Infrastructure LA

PROGRAMMING OF NATURE-BASED SOLUTIONS

2022 INTERIM GUIDANCE

2022 Interim Guidance

Developed by LACFCD

Purpose:

- Establish a **shared vocabulary** for the Regional Program
- Provide **guidance to the WASC** on how to prioritize Nature-Based Solutions (NBSs) when evaluating Projects and developing the SIP
- **Clarify how an applicant can prioritize** Nature-Based Solutions
- Highlight how the Feasibility Study **requirements and application support the prioritization** of Nature-Based Solutions

What are Nature Based Solutions In a SCW Context?

According to LACFCD Code Section 16.03.V

"Nature-Based Solution means a Project that utilizes natural processes that slow, detain, infiltrate or filter Stormwater or Urban Runoff."

- **Natural processes**: Practices where vegetation serves as a primary treatment mechanism or endpoint for captured runoff
- **Nature-mimicking strategies**: Unvegetated practices that capture runoff and infiltrate into native soils (e.g. permeable pavement or infiltration basins)

Project Scoring for Nature Based Solutions

Total of 15 NBS points possible:

- 5 points for implementing natural processes
- 5 points for utilizing natural materials
- 5 points for removing impermeable surfaces (1 pt per 20% impermeable surface removed)

D. Nature-Based Solutions	15 points max	The Project implements Nature-Based Solutions
	15 points	D1. Project: • Implements natural processes or mimics natural processes to slow, detain, capture, and absorb/infiltrate water in a manner that protects, enhances and/or restores habitat, green space and/or usable open space = 5 points • Utilizes natural materials such as soils and vegetation with a preference for native vegetation = 5 points • Removes Impermeable Area from Project (1 point per 20% paved area removed) = 5 points

Nature-Based Solutions Apply to All 3 Key Benefit Areas

Need/Desired Outcome:		SCWP Benefit:
Reduced Pollutants in Local Waterways		Water Quality Benefit
Improved Local Water Supply Resilience		Water Supply Benefit
Increased Park Space & Access to Recreation		Community Investment Benefit

Evaluating Nature Based Solutions In Individual Projects

Questions to ask:

Are there natural processes or nature-mimicking strategies that this Project will use to address watershed needs and deliver SCW Program benefits?

If not, should this project be revisited for future SIP consideration?

Evaluating Nature Based Solutions In Individual Project

Consider:

- What needs the applicant has identified and whether the project uses nature-based solutions to fulfill those needs.
- If the project does not use nature-based solutions, are there opportunities to do so?
- Should the applicant be referred to the TRP program to better develop the project's use of NBSs?

Evaluating Nature Based Solutions
In the SIP

Questions to ask:

Has the WASC prioritized NBSs in this and prior SIPs?

How are NBSs funded to date collectively providing the anticipated benefits to the Watershed Area, and where are the biggest needs or opportunities?

WASC Strategies for Prioritizing Nature Based Solutions

- ➔ Read and ask questions about an applicants' plans to use (or not use) NBSs
- ➔ If a project doesn't include NBSs, review the proponents analysis and reasons given
- ➔ Review the previous years' SIPs to consider how NBSs are being prioritized overall
- ➔ Ask Watershed Coordinators to evaluate and report on community priorities regarding NBSs
- ➔ Invite agencies, organizations, or stakeholders to present to the WASC about how NBSs could bring benefits to the community

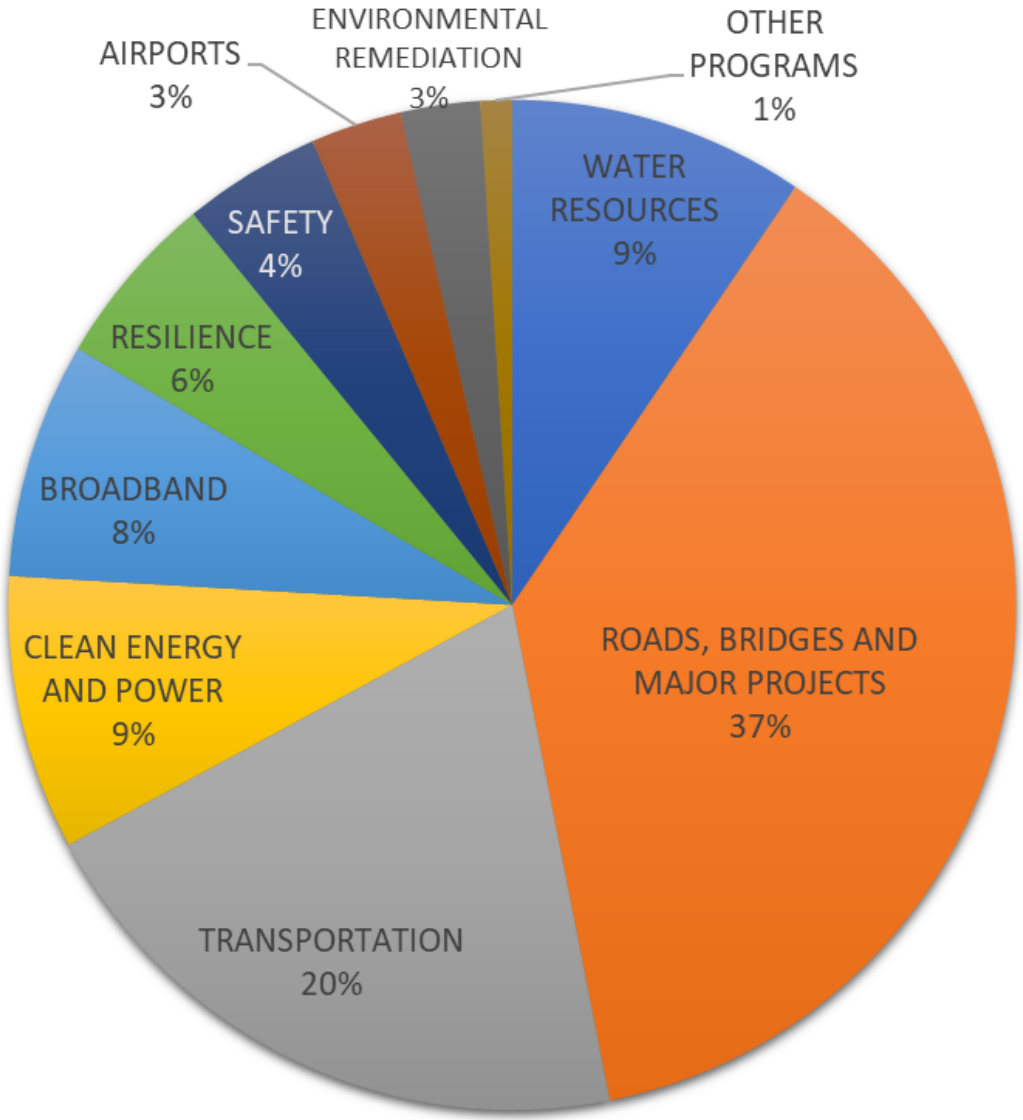
INFRASTRUCTURE LA

The Bipartisan Infrastructure Law (BIL)

- Once-in-a-lifetime infrastructure funding opportunities
- **$1 trillion over 5 years (through FY 2026)**
- Equity: Invests in un-finished communities
- Provides formula funding and competitive grants
  - California - $48 billion in Formula Funding
  - Competitive grants - $195 billion

What does the infrastructure law fund?

- Provides funding for Transportation, Water, Energy, Resiliency, Sustainability, & Others
- Is compatible with Safe Clean Water projects



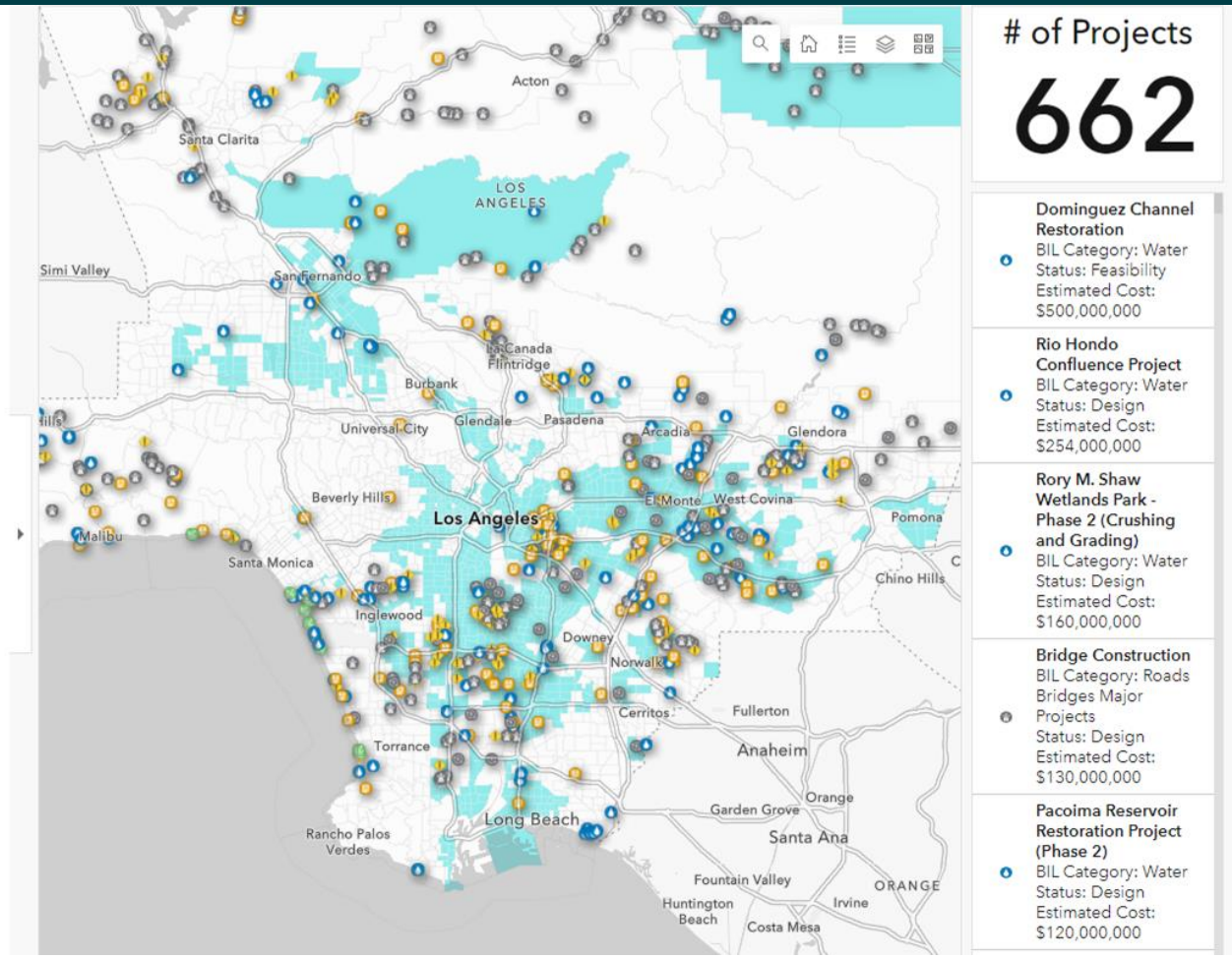
Infrastructure LA Goals

The Infrastructure Initiative was started on April 5, 2022 at the directive of the LA County Board of Supervisors with the following goals:

- Maximize the County's share of federal infrastructure spending available through the Bipartisan Infrastructure Law.
- Pursue projects that advance equity, sustainability, and climate resilience goals.
- Encourage partnerships with infrastructure stakeholders.

Infrastructure Initiative Project Map & Justice 40 Initiative

- Goal of 40% of all benefits invested in disadvantaged communities
- Directs Justice40 projects/program to conduct meaning community engagement
- County provides local data to supplement Justice40 data



How can Infrastructure LA Help?

Provide Grant Support:

- Project Identification & Collaboration Opportunities
- **Lead Regional Approach**
- Maximize Funding Received
- Project Evaluation
- LA County Board of Supervisors endorsement
- Working Group Meetings

Contact:

TJ Moon – Infrastructure LA
tmoon@pw.lacounty.gov
626-476-7164

Resources:

- Subscribe to InfrastructureLA@pw.lacounty.gov
- Submit Project at www.InfrastructureLA.org

Public Comment Form

Name:* Chris Haggstrom

Organization*: resident

Email*: chaggstrom@gmail.com

Phone*: 310-640-7889

Meeting: CSMB WASC

Date: 11-29-2022

☐ LA County Public Works may contact me for clarification about my comments

*Per Brown Act, completing this information is optional. At a minimum, please include an identifier so that you may be called upon to speak.

Phone participants and the public are encouraged to submit public comments (or a request to make a public comment) to SafeCleanWaterLA@dpw.lacounty.gov. All public comments will become part of the official record.

Please complete this form and email to SafeCleanWaterLA@dpw.lacounty.gov by at least 5:00pm the day prior to the meeting with the following subject line: "Public Comment: [Watershed Area] [Meeting Date]" (ex. "Public Comment: USGR 4/8/20").

Comments

To Whom It May Concern,

I am writing as a resident of El Segundo to voice my support for allocating Measure W funds for the Green Infrastructure Project on Imperial Highway. This project has numerous benefits, from improved water and air quality, flood prevention, beautification, and bike and pedestrian safety.

Thank you for your consideration of this win-win-win issue,

Chris Haggstrom

Public Comment Form

Name:* Gretchen Stevens

Organization*: n/a

Email*: gretchen815@gmail.com

Phone*: 6179718791

Meeting: CSMB WASC

Date: 11/29/2022

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Comments

I am writing in support of the proposed Imperial Highway Green Infrastructure Project. Imperial highway currently has a bike lane that suddenly ends, spitting the cyclist into a lane of speeding traffic with no warning. Allowing safe nonmotorized access to the beach would be a great investment.

Public Comment Form

Name:* Nancy Johns

Organization*: resident of El Segundo

Email*: nancysjohns@yahoo.com

Phone*: 3107145631

Meeting: Imperial Hwy green infrastructure projecg

Date: 11/28/2022

☐ LA County Public Works may contact me for clarification about my comments

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Comments

Public comment CSMB WASC- 11/29/22

I am highly in favor of this project and the benefits. I know you have a lot of projects to select from but this one will be espeically important as LAX gets ready for both the people mover and thinking much further out - the 2028 Olympics. Imperial highway is a feeder to the airport and putting a more scenic route can only improve the image for LA and LAX. As both a retired LAX worker and a resident of El Segundo, this project is really long overdue and very much needed.

Thank you for your further consideration

Public Comment Form

Name:* sam butler

Organization*: Westchester resident

Email*: samjbutler@sbcglobal.net

Phone*: 3108013444

Meeting: Public Comment: CSMB WASC - 11/29/2022

Date: 11/23/2022

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Comments

I am writing to express my support for Los Angeles Sanitation and Environment ' s (LA Sanitation) proposed Imperial Highway Green Infrastructure Project for the Safe Clean Water Program ' s Regional Infrastructure Program Fiscal Year 24 - 25 Stormwater Investment Plan (SIP).

The Project area extends along Imperial Highway from California Street to Vista del Mar in Westchester and is bounded on the north by the Los Angeles International Airport (LAX) and on the south by the City of El Segundo. The Imperial Highway Green Infrastructure Project will provide multiple benefits to the community and will help protect our beaches from contaminants that can make people sick and threaten marine life, consistent with the water quality goals outlined in the Safe Clean Water Program.
The project presents numerous public health, safety and community investment benefits for the residents of the cities of Los Angeles and El Segundo; visitors to Dockweiler State Beach; and employees and visitors accessing the south side of LAX.

It is critical that the Imperial Highway Green Infrastructure Project be approved for Safe Clean Water Program funding to address community concerns. The Imperial Highway Green Infrastructure Project will substantially enhance the experience for members in the community. Improving the bike path experience will further encourage mobility, connectivity between communities, and local sustainability. Improvements to the median will enhance pedestrian safety and accessibility. Furthermore, bioswales and drywells placed throughout the median will alleviate any localized flooding in the area.
As we look at how City of Los Angeles can move forward, we must assure that we can create

Public Comment Form

Name:* Steve Guillen

Organization*:

Email*: steve.guillen@gmail.com

Phone*: 415-815-9393

Meeting: Public Comment: CSMB WASC - 11/29/2022

Date: 11/29/2022

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Comments

As a resident of El Segundo I fully support the Imperial Highway Green Infrastructure Project using Measure W Funding. Currently Imperial HWY, between PCH and Dockweiler is normally littered with trash and does not have sufficient protective barriers for bikes, walkers and runners like myself who share that strech of HWY with fast moving vehiles. It would be great to make that section of the HWY more green, cleaner and safer for individuals and families to use and access the beach safely.

Thank you!

Public Comment Form

Name:* Angie Greenspan

Organization*:

Email*: angelagreenspan@gmail.com

Phone*:

Meeting: Central Santa Monica Bay Steering Committee Me

Date: 11/1/2022

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Comments

To Whom it May Concern,

I'm an El Segundo resident and I support the Imperial Highway Green Infrastructure Project using Measure W funding. The highway is very close to my home so it's practically my neighbor. It's always littered with trash and an eyesore, and the center median along with the grassy park area along the highway is a complete waste of space. I would like to see Measure W funds used to tackle the severe trash problem, lack of safe bike paths, lack of stormwater impervious soil and plants, incorporate blue butterfly native plants and also incorporate informative signs identifying the native landscaping.

Best regards,

Angie Greenspan

Public Comment Form

Name:* Caroline Hawks

Organization*:

Email*: hellovertist@gmail.com

Phone*:

Meeting: Central Santa Monica Bay Steering Committee Me

Date: 11/1/2022

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Comments

To Whom it May Concern:

I am a resident of El Segundo and I support the Imperial Highway Green Infrastructure Project using Measure W funding. The highway leads directly to the ocean and it's always littered with trash. I would like to see Measure W funds used to tackle the severe trash problem, lack of safe bike paths, lack of stormwater impervious soil and plants, incorporate blue butterfly habitat native plants, other native/drought-resistant plants, and also incorporate informative signs identifying the native landscaping to educate and show why local/water-wise plants are important to our natural landscapes andecosystems!

I do want to note that at the end of Imperial is a homeless encampment. Beautifying Imperial should not be done in a siloand the various county departments should work together on addressing the housing and sanitation issues at the end of Imperial, along with addressing stormwater concerns on Imperial highway. I *do not* support dumping the unhoused folks' possessions. Imagine all you own in this world being taken from you and dumped in the trash. I advocate for human efforts to work with the unhoused folks who may be there at the time this project would start.

Thanks and Best Regards,

Caroline Hawks

Public Comment Form

Name:* Connie Jappel

Organization*:

Email*: cjappel@hotmail.com

Phone*:

Meeting: Central Santa Monica Bay Steering Committee Me

Date: 11/1/2022

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Comments

Hello,

I am in favor of the Imperial Highway Green Infrastructure project.

Thank you.

Regards, Connie Jappel

Public Comment Form

Name:* Corrie Chitlik

Organization*: Rothschild & Co

Email*: corriezupo@gmail.com

Phone*:

Meeting: Central Santa Monica Bay Steering Committee

Date: 11/29/2022

☑ LA County Public Works may contact me for clarification about my comments

*Per Brown Act, completing this information is optional. At a minimum, please include an identifier so that you may be called upon to speak.

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Please complete this form and email to SafeCleanWaterLA@dpw.lacounty.gov by at least 5:00pm the day prior to the meeting with the following subject line: "Public Comment: [Watershed Area] [Meeting Date]" (ex. "Public Comment: USGR 4/8/20").

Comments

To Whom it May Concern:

I am a resident of El Segundo and I support the Imperial Highway Green Infrastructure Project using Measure W funding. The highway leads directly to the ocean and it's always littered with trash. I would like to see Measure W funds used to tackle the severe trash problem, lack of safe bike paths, lack of stormwater impervious soil and plants, incorporate blue butterfly native plants, and also incorporate informative signs identifying the native landscaping. I do want to note that at the end of Imperial is a homeless encampment. Beautifying Imperial should not be done in a silo and the various county departments should work together on addressing the housing and sanitation issues at the end of Imperial, along with addressing stormwater concerns on Imperial highway.

Best regards,
Corrie Zupo

Public Comment Form

Name:* George Funk

Organization*:

Email*: gfunk416@gmail.com

Phone*: 310-930-3729

Meeting: Central Santa Monica Bay Steering Committee Me

Date: 11/1/2022

☑ LA County Public Works may contact me for clarification about my comments

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Comments

For years the median on Imperial Highway in El Segundo has been in need of serious upkeep. In the past, local groups tried to do this but it is too large a project and requires the resources of a large entity like the City of LA and LAWA. In addition to just being a beautification project, it will address important safety and environmental needs. Plus, it will make the southern boundary of LAX look up to date with the rest of the airport`s ongoing modernization.

I strongly urge support for this project!

George Funk
El Segundo, CA
310-930-3729

Public Comment Form

Name:* Keith Hackerbarth

Organization*:

Email*: keith.hackerbath@gmail.com

Phone*:

Meeting: Central Santa Monica Bay Steering Committee Me

Date: 11/1/2022

☑ LA County Public Works may contact me for clarification about my comments

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Comments

I would like to voice my support for the Imperial Highway Green Infrastructure Project. This area is in need of restoration. I bike to work and have almost been hit by cars multiple times in this area as there's the here section that has clearly been under-planned. Improving the green space and connecting the two bike lanes would be much appreciated!

Public Comment Form

Name:* Ron Dunaetz

Organization*: _____

Email*: rdunaetz@ol.com

Phone*: _____

Meeting: Central Santa Monica Bay Steering Committee Me

Date: 11/1/2022

☑ LA County Public Works may contact me for clarification about my comments

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Comments

I support the Imperial Highway Green Infrastructure Project!

For years this area just collects trash and looks horrible. This area could be utilized more if the project goes through. It would also help the blue butterfly in it fight against extinction.

Thank you,
Ron Dunaetz

Public Comment Form

Name:* Tracey Miller-Zarneke

Organization*:

Email*: tmillerzrneke@elsegundoocc.org

Phone*:

Meeting: Central Santa Monica Bay Steering Committee Me

Date: 11/1/2022

☑ LA County Public Works may contact me for clarification about my comments

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Comments

Dear Safe Clean Water Program Scoring Committee Members,

On behalf of the El Segundo Public Works/Environmental Committee, I am writing to reiterate our support for Los Angeles Sanitation and Environment's proposed Imperial Highway Green Infrastructure Project for the Safe Clean Water Program's Regional Infrastructure Program Fiscal Year 24 - 25 Stormwater Investment Plan (SIP).

The Project area marks a point of entry into our City, extending along Imperial Highway from California Street to Vista del Mar in Westchester, bounded on the north by the Los Angeles International Airport (LAX) and on the south by the City of El Segundo. The Imperial Highway Green Infrastructure Project will provide multiple benefits to our community and will help protect our beaches from contaminants that can make people sick and threaten marine life, consistent with the water quality goals outlined in the Safe Clean Water Program.

The project presents numerous public health, safety and community investment benefits for the residents of the cities of Los Angeles and El Segundo; visitors to Dockweiler State Beach; and employees and visitors accessing the south side of LAX.

It is critical that the Imperial Highway Green Infrastructure Project be approved for Safe Clean Water Program funding to address community concerns. The Imperial Highway Green Infrastructure Project will substantially enhance the experience for members in the community. Improving the bike path experience will further encourage mobility, connectivity between communities, and local sustainability. Improvements to the median will enhance pedestrian safety and accessibility. Furthermore, bioswales and drywells placed throughout the median will alleviate any localized floodinginthearea.

As we look at how City of Los Angeles can move forward, we must assure that we can create healthier, resilient and moresustainable communities and protect our residents. Essential to this

Public Comment Form

Name:* Trevor Jones

Organization*: Rothschild & Co

Email*: Trevor.Jones@rothschildandco.com

Phone*:

Meeting: Central Santa Monica Bay Steering Committee

Date: 11/1/2022

☑ LA County Public Works may contact me for clarification about my comments

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Comments

I fully support the Imperial Highway Green Infrastructure project. This stretch of road is in desperate need of improvement. As someone who uses it to commute by bike from my home in El Segundo to my office in Century City, my opinion is that this road is not safe for any users, including those in cars. The bike lane abruptly ends for a quarter mile stretch before restarting across Pershing Dr. towards the beach. It is a design that seems to purposely funnel bikers into high speed traffic such that anyone who would consider using a mode of transportation other than a car becomes thoroughly discouraged. Further, this anti-bike anti-pedestrian set-up worsens the parking situation at the Dockweiler parking lot – which is often snarled by long lines that backs up both Vista del Mar and Imperial highway.

Los Angeles is infamous for its heavy traffic and polluted air. Infrastructure that promotes green transportation is desperately needed across the entire region and this project is small but needed progress. The added benefit is that it creates more equitable access for those looking to enjoy California's beautiful beaches. There is only upside to implementing this project.

[redacted]

From: Mary Moy <maryhmoy@gmail.com>
Sent: Monday, November 28, 2022 11:04 AM
To: DPW-SafeCleanWaterLA
Subject: Imperial Highway Green Infrastructure Project

Hello,
I am a resident of El Segundo. I am in favor of the Imperial Highway Project.
Please let me know if you need more information from me.
Thanks,
Mary Moy

[redacted]

From: Patricia Kohler <pattikohler@me.com>
Sent: Monday, November 28, 2022 2:55 PM
To: DPW-SafeCleanWaterLA
Subject: Support for Imperial Highway Green Infrastructure Project

CAUTION: External Email. Proceed Responsibly.

This area has been a concern of mine for many years. I support this project.
Patricia Kohler
El Segundo resident

[redacted]

From: Michelle Keldorf <michellekeldorf@gmail.com>
Sent: Monday, November 28, 2022 4:49 PM
To: DPW-SafeCleanWaterLA
Subject: Imperial Highway Green Infrastructure Project

To the Central Santa Monica Bay Watershed Area Steering Committee,

I am writing to express my support for the Imperial Highway Green Infrastructure project using Measure W funding. I am a resident of El Segundo and frequently travel the portion of the highway that leads directly to the ocean. I would like to see the Measure W funds used to tackle the severe trash problem, lack of safe bike paths, lack of stormwater impervious surfaces, and the incorporation of blue butterfly native plans as well as educational signage.

As you may know, there is a homeless encampment at the end of Imperial Highway. My hope is that the various county departments can work together to beautify Imperial and address stormwater concerns here while also addressing the housing and sanitation issues at the end of the highway.

Best,
Michelle Keldorf

Imperial Highway Green Infrastructure Project

Funding Program

Fiscal Year 2023 – 2024

Santa Monica Bay J2/J3 and Central Santa Monica Bay Watersheds

Project Lead: LASAN

Kevin Ho, Acting Civil Engineer

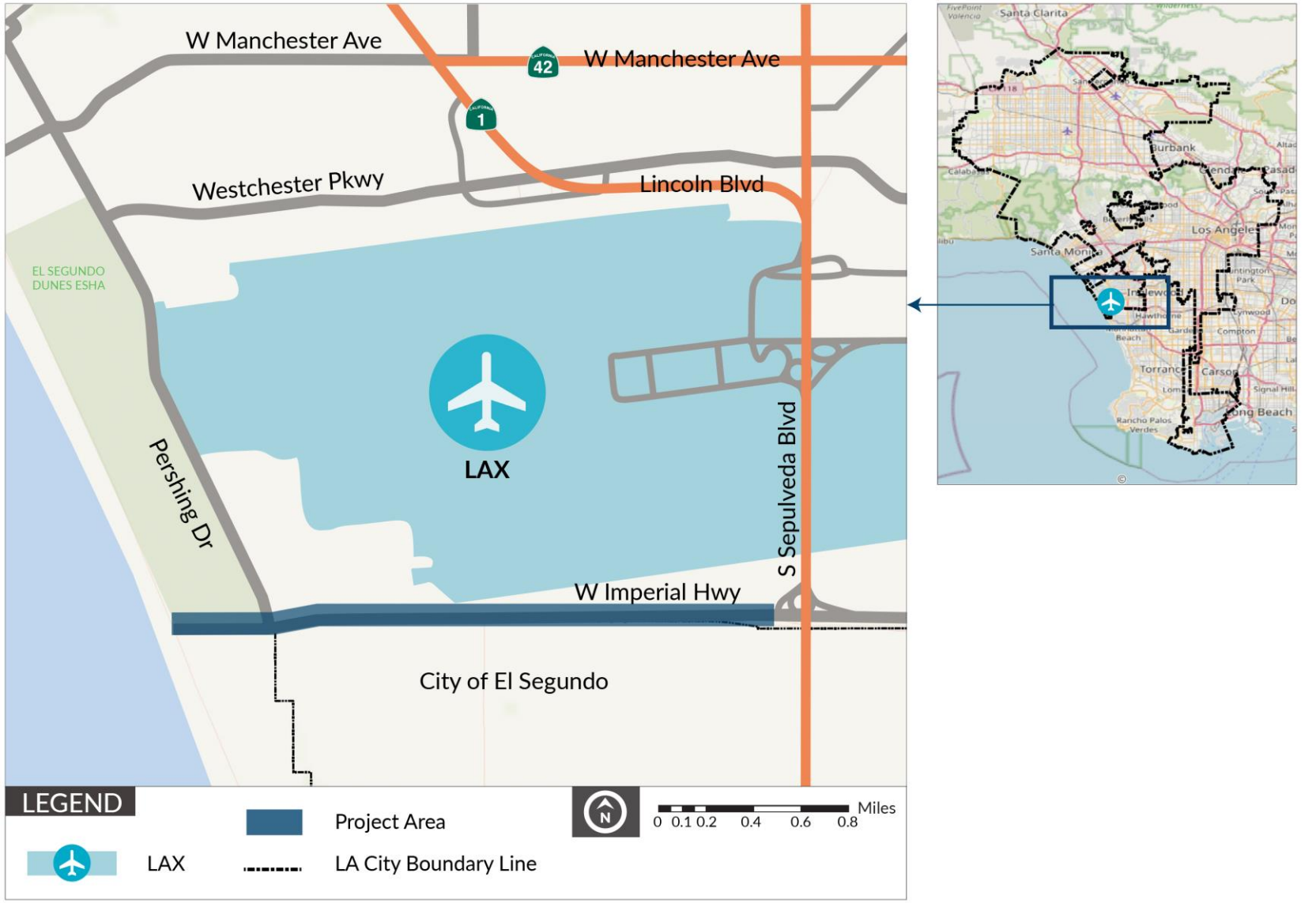
Project Overview

The Imperial Highway Green Infrastructure Project adds new green infrastructure and street highway improvements to Imperial Highway between California Street and Dockweiler State Beach. The project will benefit the City of Los Angeles, the City of El Segundo and multiple DACs that are adjacent to the project. Drywells and bioswale medians will be installed to capture, reuse and recycle stormwater runoff from the adjacent neighborhoods, and remove stormwater pollutants, including sediments, metals, bacteria, and trash before reaching Dockweiler State Beach. Street trees will also be installed within the center median which will help reduce pollutants, increase shade and decrease the heat island effect. The projects green infrastructure will help to alleviate flooding at the intersection of Imperial Highway and Main Street that occurs during light to moderate storms. This will help reduce slow traffic and the possibility of an accident during and after storm events. In addition to enhancing water quality the Project will also provide safe pedestrian and bicycle access to the beach and Los Angeles International Airport facilities for all the surrounding communities.

- Primary: 92% zinc, Secondary: 100% trash
- Project Status: Feasibility
- SCW funding requested for Planning, Design, Construction, O&M
- Total Funding Requested $5,232,000

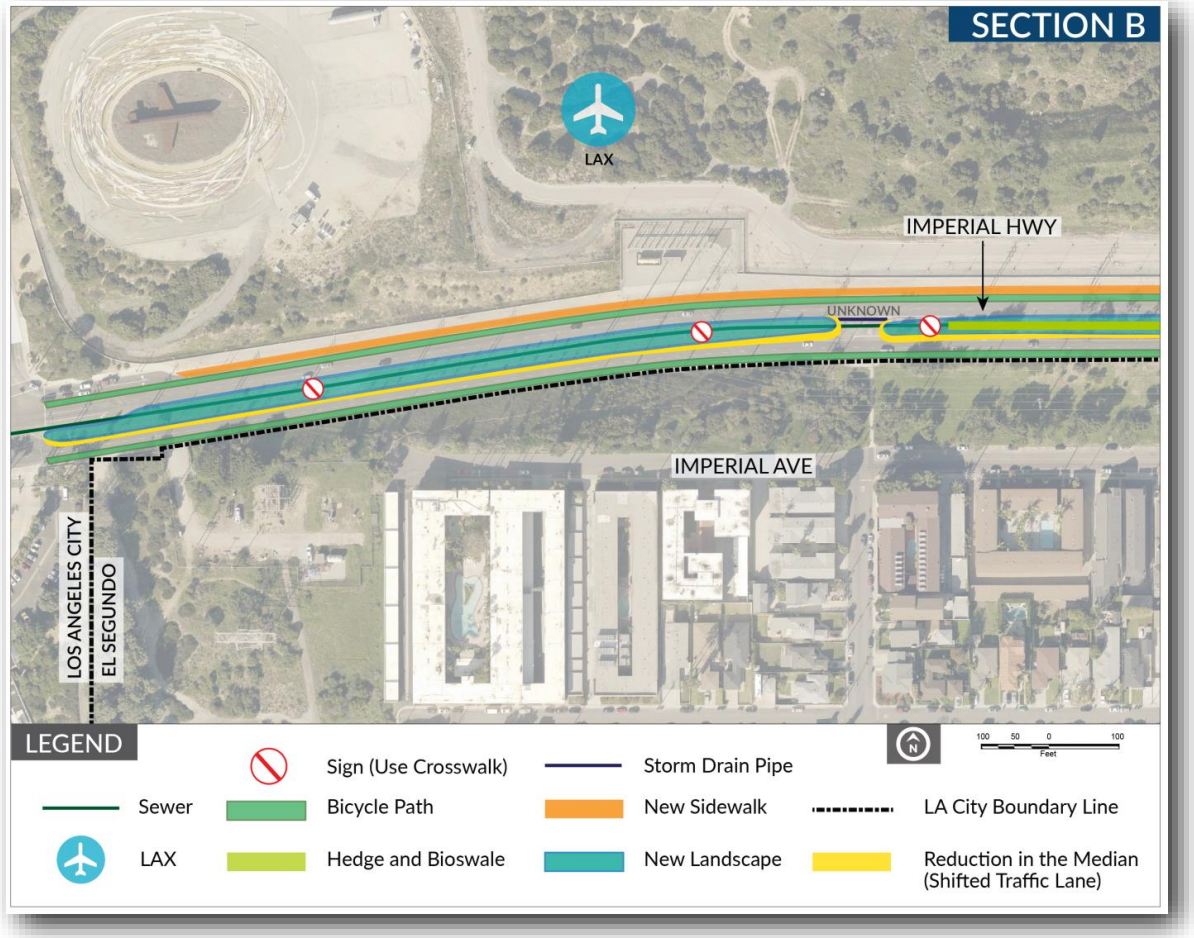
Watershed Area

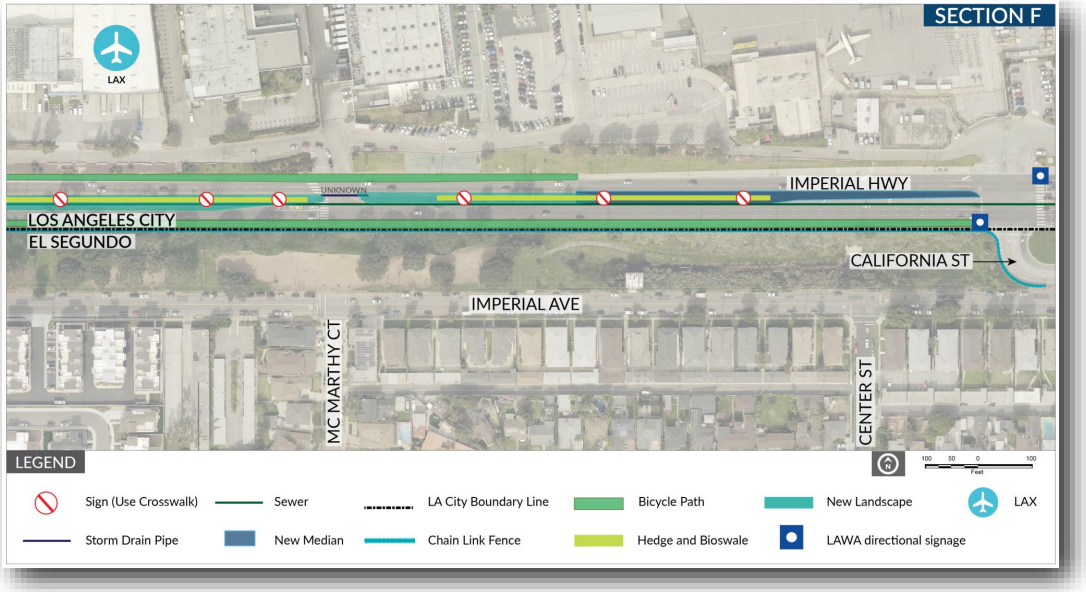
Project Location



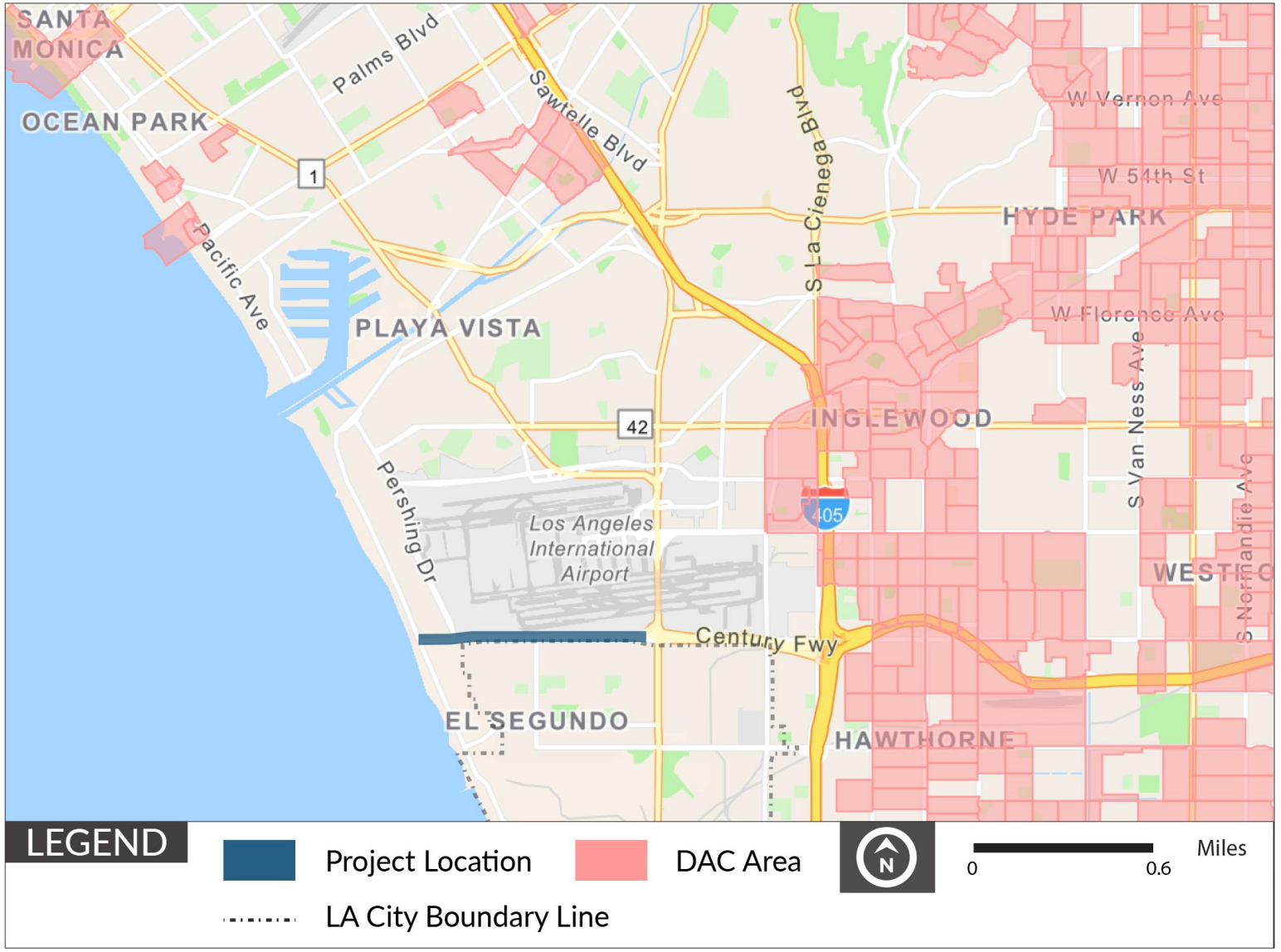
Capture Area

Municipality Benefits





Disadvantaged Community (DAC)



Project Background

- Why was the Project location selected?
  - The Project is in an area of greatest need and highest potential for cost-effective implementation of BMPs.
- How was the Project developed?
  - A feasibility study was developed for this project using community input on the needs in the project area. Using the input received multiple alternatives for stormwater quality enhancement and reuse were evaluated to determine a cost-effective solution.
- Which regional water management plan includes the proposed project?
  - This Project is included in the City of LA strategic plan for compliance. It will also benefit the Santa Monica Bay J2/J3 Watersheds and the Central Santa Monica Bay Watershed.
- Description of benefits to municipality/municipalities
  - Improved flood mitigation, enhanced habitat, enhanced recreational opportunities, increased shade, improve pedestrian safety, provide safe access to local water bodies (Dockweiler State Beach), and increased vegetation.
- Disadvantaged Community (DAC) Benefits
  - Addition of trees and other landscaping will improve air quality through natural processes
  - Reduced flooding will also improve the mobility of pedestrians and bicyclists along Imperial Highway during and after storm events.
  - Recreational improvements include improved walkability and bikeability of Imperial Highway, securing safe routes and safety corridors, and improved water quality at Dockweiler State Beach.
  - New green infrastructure will be added to Imperial Highway between California Street and Dockweiler State Beach.

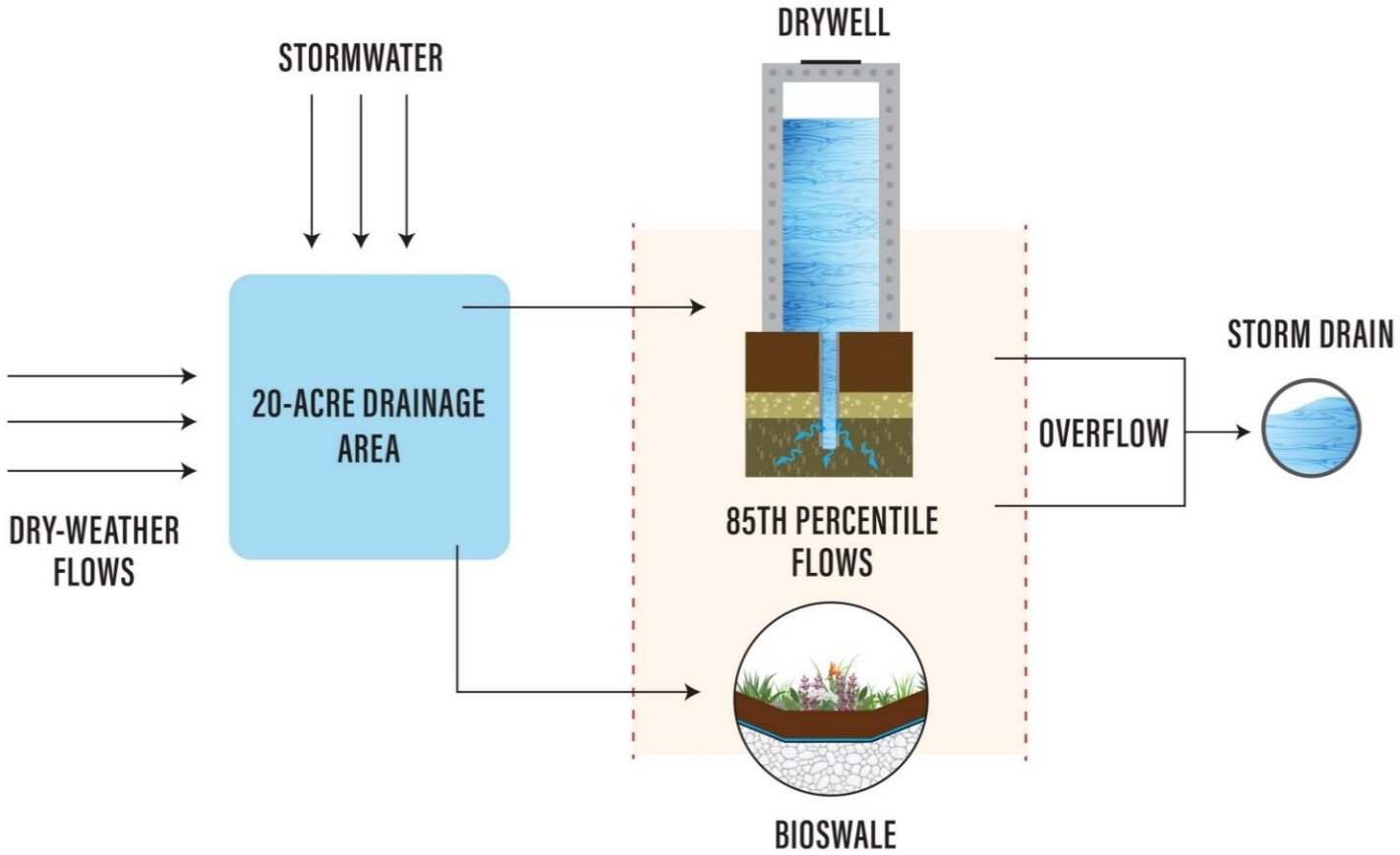
Partners

- Who are the implementation partners already identified?
  - Los Angeles World Airports And City of El Segundo
- What communities or groups have expressed support for the project?
  - Federal Aviation Administration, City of El Segundo, El Segundo Public Works/Environmental Committee, El Segundo Chamber of Commerce, El Segundo Unified School District, California Native Plant Society, and residents from Cities of El Segundo and Los Angeles.
- Have you yet engaged the appropriate vector control district about the project concept?
  - No, the vector control district will be contacted during the predesign phase

Project Details

- Description of current site conditions
  - The Project site is located in a 1.7-mile section of the Imperial Highway within the City of Los Angeles. This section of the highway consists of two lanes traveling west and two lanes traveling east. Both the eastbound and westbound lanes of the highway were constructed with a crown in the middle so that approximately half of the flow is carried to the shoulders and half is carried to the median. This portion of the highway is located within a predominantly high-density residential area, which provides commuter access to Dockweiler State Beach, LAX facilities, and City of El Segundo. The Project area is bounded by LAX in the north, by City of El Segundo in the south, and by Dockweiler State Beach on the west.
- Completed studies/analysis
  - Feasibility study
- Description of any alternatives considered
  - Alternative 1. This alternative will enhance the median along Pershing Drive with green infrastructure such as bioswales and street trees to infiltrate surface flows. It includes pedestrian and traffic safety additions along Imperial Highway, and recreational benefits from safety additions to the existing bike lane. Alternative 1 has a total estimated cost of $12M to $14M, and a potential to achieve a maximum SCW regional score of 65 points.
  - Alternative 2. This alternative will implement green infrastructure along Pershing Drive with enhancements to the existing median and the addition of parkway bioswales. It includes pedestrian and traffic safety additions along Imperial Highway, and recreational benefits from safety additions to the existing bike lane. Alternative 2 has a total estimated cost of $14M to $16M, and a potential to achieve a maximum SCW regional score of 60 points.

Project Schematic

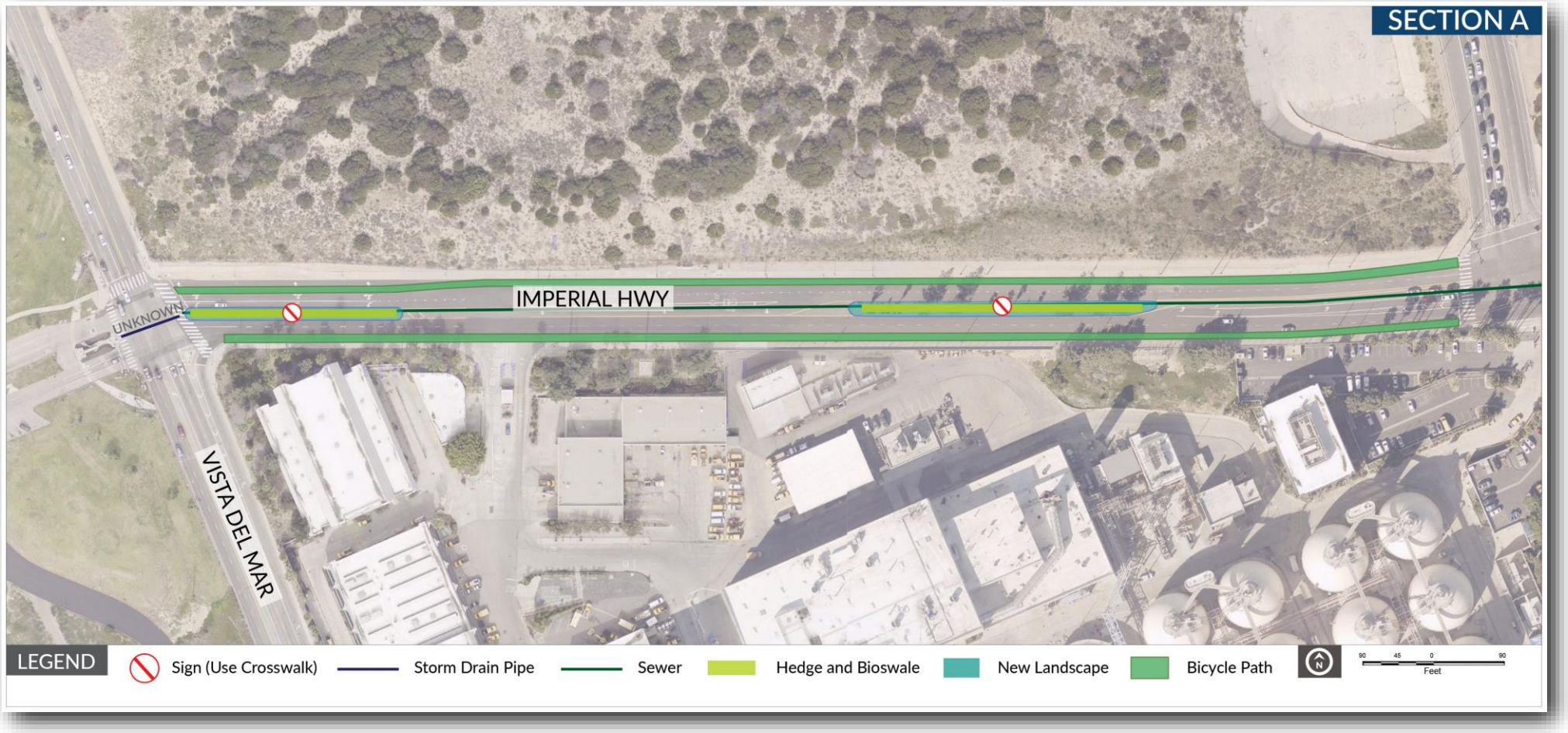


Project Details

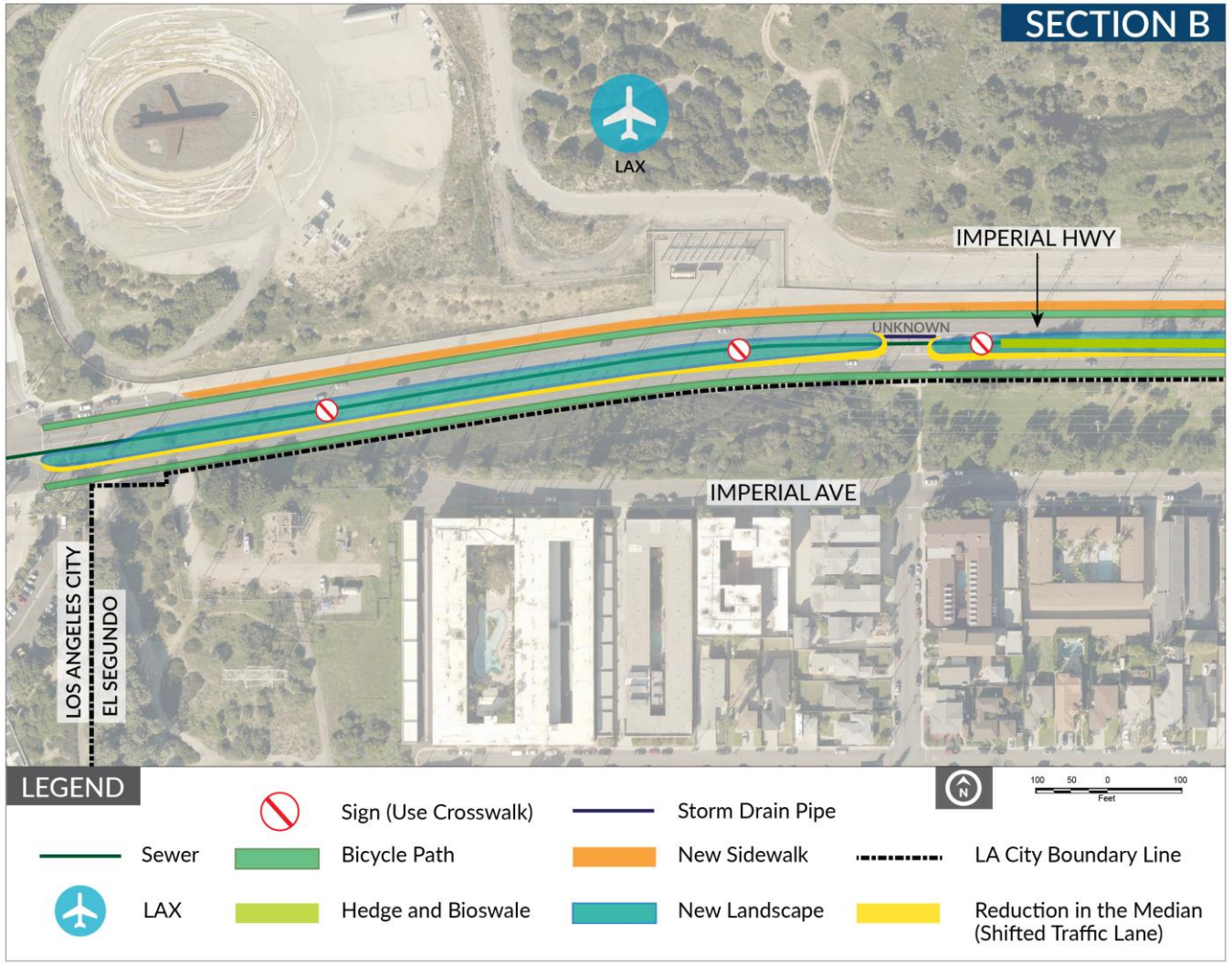
Drywells

Median Bioswale and Street Trees

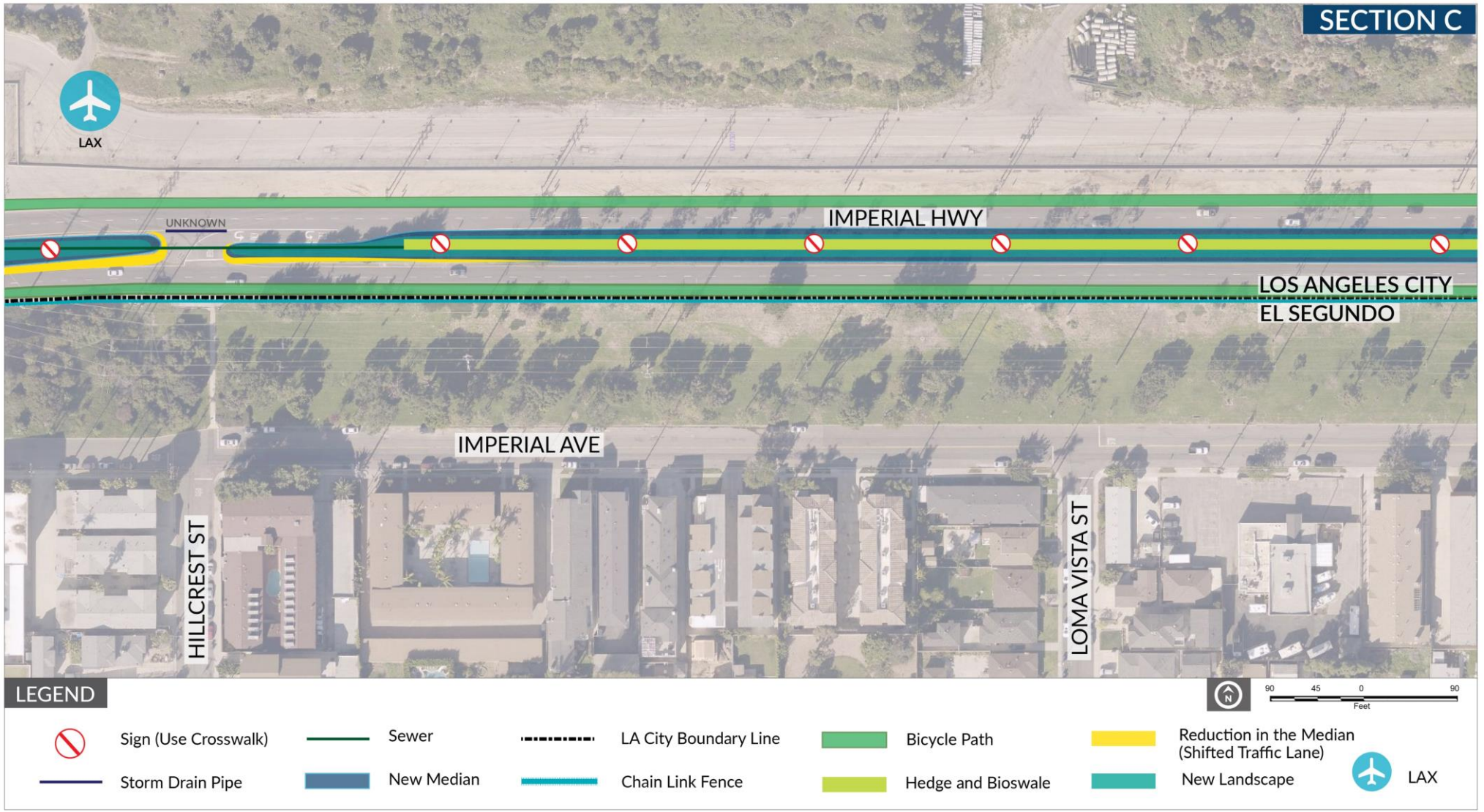
Site Plan 1/6


SECTION A
IMPERIAL HWY
UNKNOWN
VISTA DEL MAR
LEGEND
Sign (Use Crosswalk)
Storm Drain Pipe
Sewer
Hedge and Bioswale
New Landscape
Bicycle Path
90 45 0 90
Feet

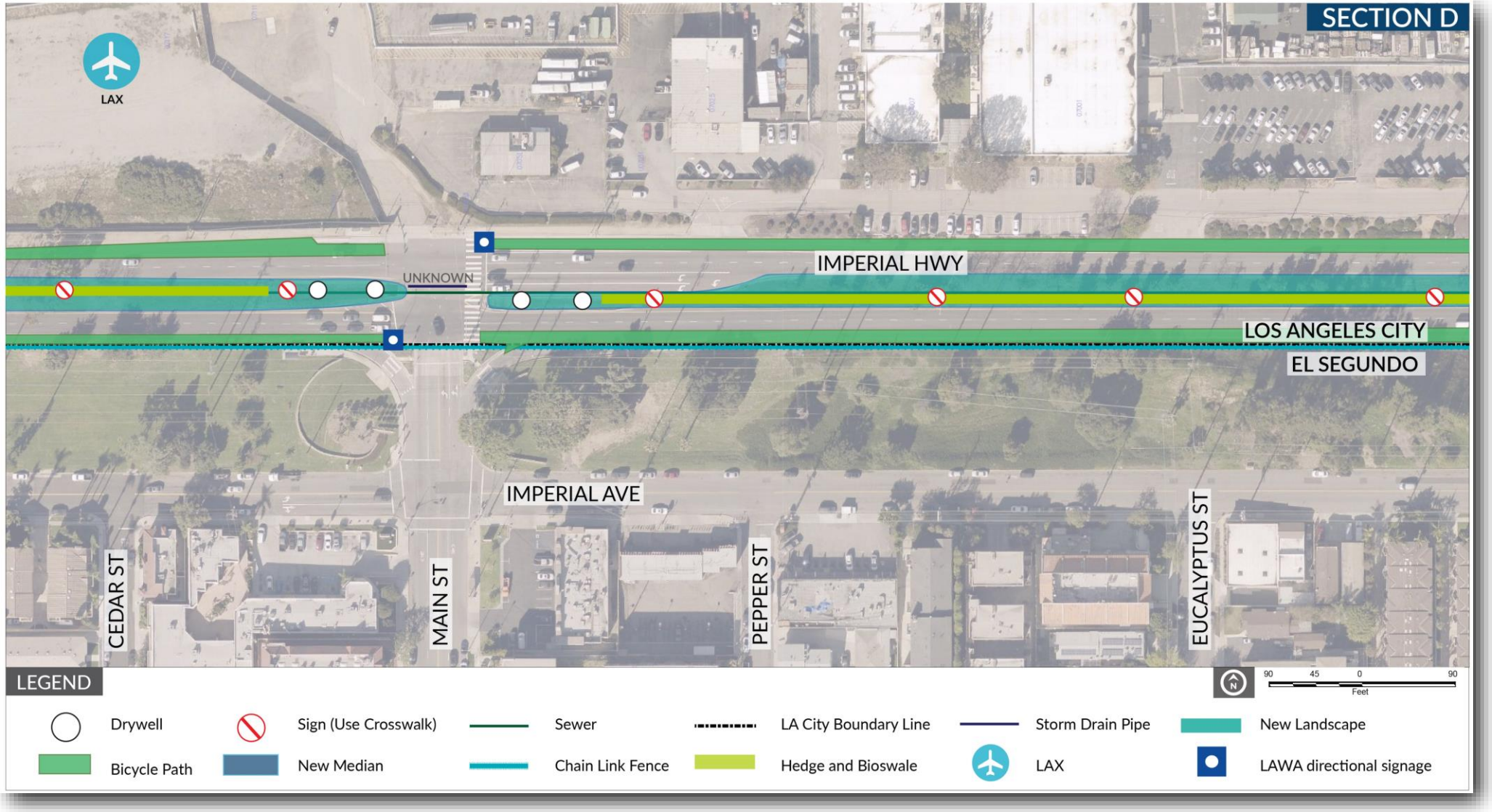
Site Plan 2/6


SECTION B
LAX
IMPERIAL HWY
UNKNOWN
IMPERIAL AVE
LOS ANGELES CITY
EL SEGUNDO
LEGEND
Sign (Use Crosswalk)
Storm Drain Pipe
Sewer
Bicycle Path
New Sidewalk
LA City Boundary Line
LAX
Hedge and Bioswale
New Landscape
Reduction in the Median (Shifted Traffic Lane)
100 50 0 100
Feet

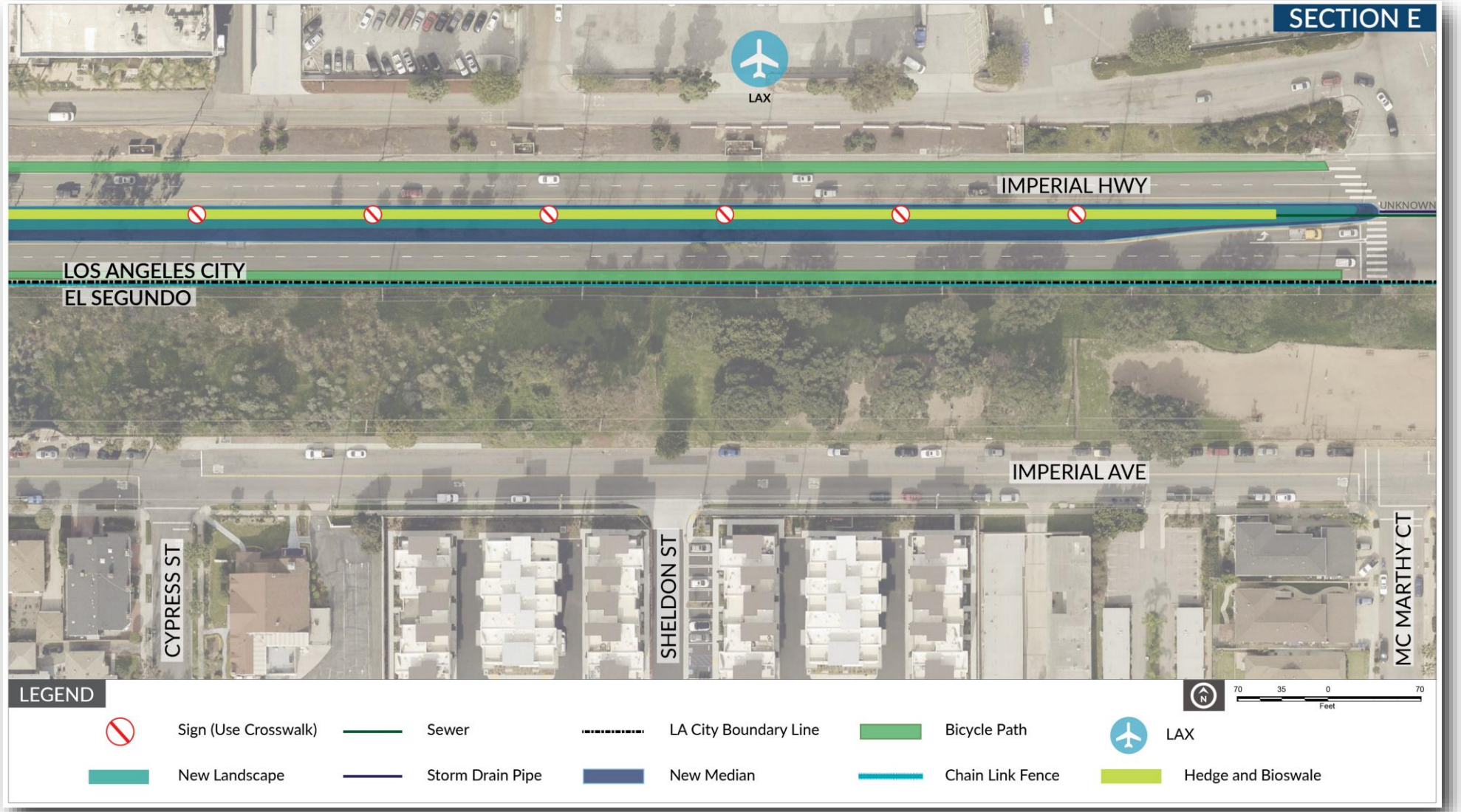
Site Plan 3/6


SECTION C
LAX
UNKNOWN
IMPERIAL HWY
LOS ANGELES CITY
EL SEGUNDO
IMPERIAL AVE
HILLCREST ST
LOMA VISTA ST
LEGEND
90 45 0 90
Feet
Sign (Use Crosswalk)
Storm Drain Pipe
Sewer
New Median
LA City Boundary Line
Chain Link Fence
Bicycle Path
Hedge and Bioswale
Reduction in the Median (Shifted Traffic Lane)
New Landscape
LAX

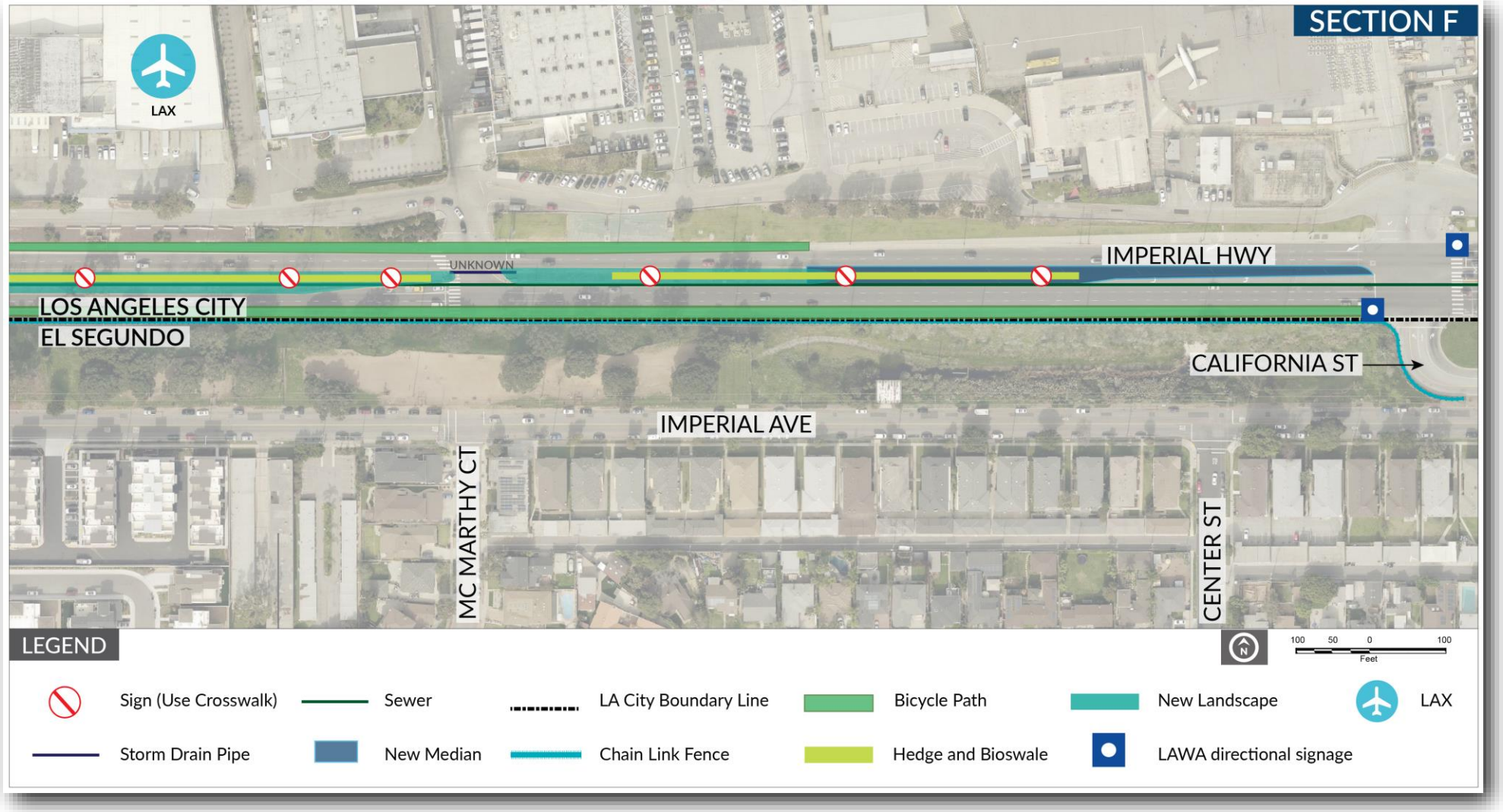
Site Plan 4/6


SECTION D
LAX
UNKNOWN
IMPERIAL HWY
LOS ANGELES CITY
EL SEGUNDO
IMPERIAL AVE
CEDAR ST
MAIN ST
PEPPER ST
EUCALYPTUS ST
LEGEND
90 45 0 90
Feet
Drywell
Sign (Use Crosswalk)
Sewer
LA City Boundary Line
Storm Drain Pipe
New Landscape
Bicycle Path
New Median
Chain Link Fence
Hedge and Bioswale
LAX
LAWA directional signage

Site Plan 5/6


SECTION E
LAX
IMPERIAL HWY
UNKNOWN
LOS ANGELES CITY
EL SEGUNDO
IMPERIAL AVE
CYPRESS ST
SHELDON ST
MC MARTHY CT
LEGEND
70 35 0 70
Feet
Sign (Use Crosswalk)
Sewer
LA City Boundary Line
Bicycle Path
LAX
New Landscape
Storm Drain Pipe
New Median
Chain Link Fence
Hedge and Bioswale

Site Plan 6/6


SECTION F
LAX
UNKNOWN
IMPERIAL HWY
LOS ANGELES CITY
EL SEGUNDO
CALIFORNIA ST
IMPERIAL AVE
MC MARTHY CT
CENTER ST
LEGEND
100 50 0 100
Feet
Sign (Use Crosswalk)
Sewer
LA City Boundary Line
Bicycle Path
New Landscape
LAX
Storm Drain Pipe
New Median
Chain Link Fence
Hedge and Bioswale
LAWA directional signage

Cost & Schedule

Phase	Description	Cost	Completion Date
Planning	Planning, public outreach, CEQA, and permitting	$360,000	06/2024
Design	Design and monitoring	$3,489,000	06/2028
Construction	Construction	$7,799,000	12/2027
TOTAL		**$11,648,000**	

- The Project has a total cost of $11,648,000 and an annual maintenance cost of $233,000
- The Project has a lifespan of 50 years and the lifecycle cost is $17,238,578.87

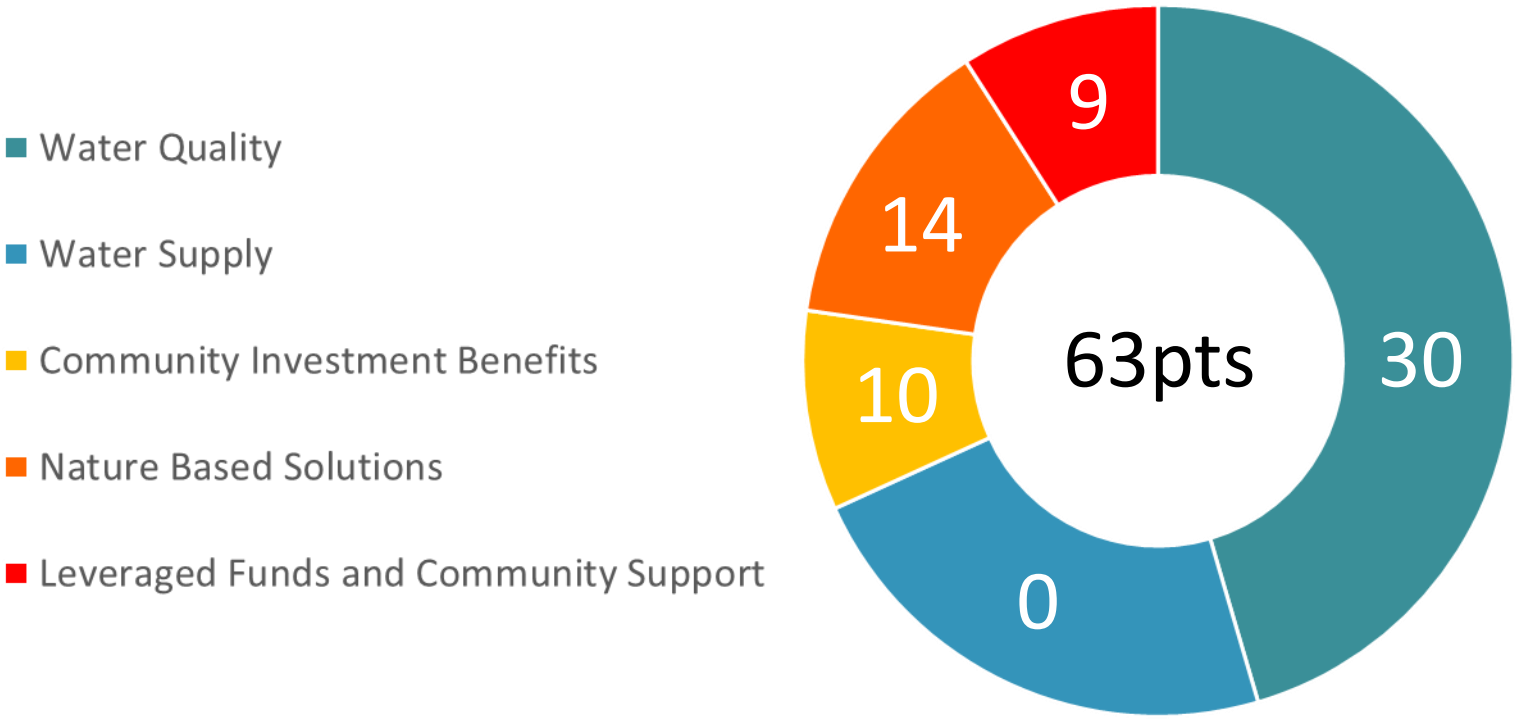
Funding Request

Year	SCW Funding Requested	Phase	Efforts During Phase and Year
1	$173,000	Planning, Design	Planning and permitting, Design - 2024
2	$216,000	Design	Design – 2025
3	$339,000	Construction	Construction, and construction management - 2027
4	$4,504,000	Construction, O&M, Monitoring	Construction, construction management, and O&M
TOTAL	**$5,232,000**		

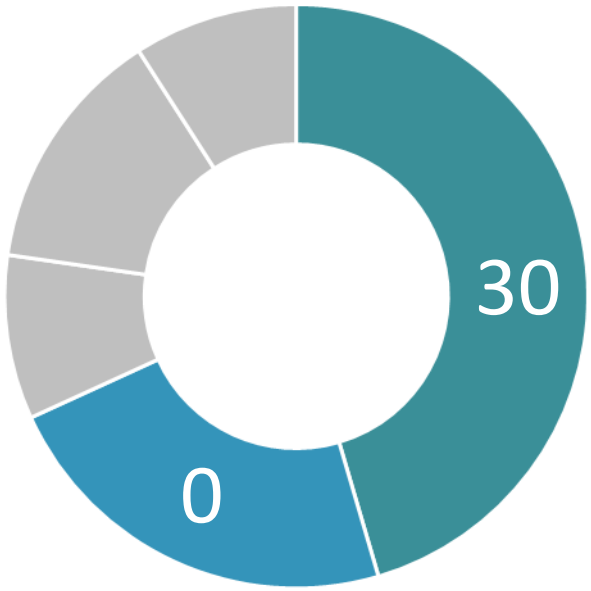
- Leveraged funding: $6,416,000, 55% of total project cost
- Future potential SCW funding requests: O&M and replacement/refurbishment infiltration system components

Score as confirmed by the Scoring Committee

The Scoring Committee confirmed this score on November 3, 2022



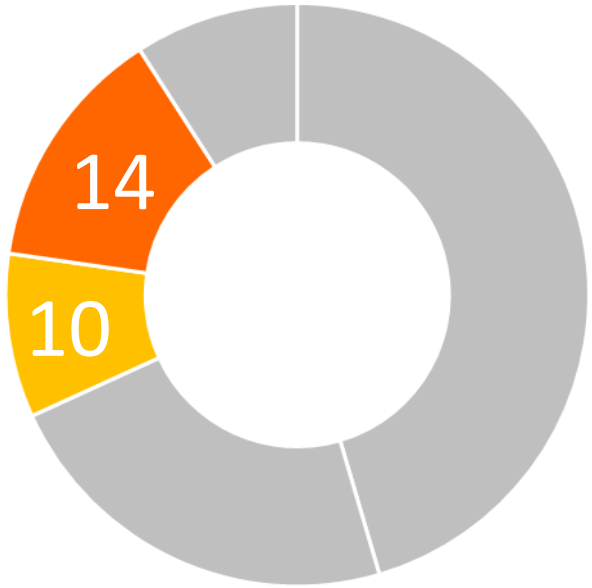
Water Quality & Water Supply Benefits



The Scoring Committee confirmed this score on November 3, 2022

- Drywells, median bioswales, and street trees
- Wet weather
- Tributary area: 19.7 acres
- Capacity: 2.92 AF
- Pollutant reduction: 92% zinc, 100% trash
- Annual Water Supply Volume: 15 AF/yr
- Water Supply Use: Water supply for West Coast Subbasin
- Water Quality Cost-Effectiveness: $0.3 AF/$M
- Water Supply Cost-Effectiveness: $47,250/AF

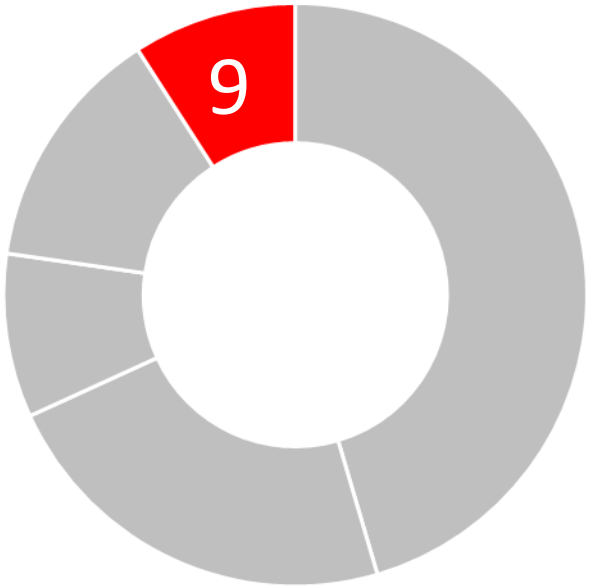
Community Investment Benefits and Nature-Based Solutions



The Scoring Committee confirmed this score on November 3, 2022

- Community Investment Benefits
  - Improved flood management
  - Creation/enhancement of habitat
  - Improve access to Dockweiler State Beach
  - Improve recreational opportunities
  - Enhanced recreational and learning opportunities
  - Increased shade and reduction of Heat Island Effects
  - Increased trees and vegetation
- Nature-Based Solutions
  - Mimics natural processes in trees and bioswales
  - Utilizes natural materials in bioswales
  - Replaces impermeable surface with green space

Leveraging Funds and Community Support



The Scoring Committee confirmed this score on November 3, 2022

- Leveraging Funds
  - This project has over 50% leveraged funds
- Community Support
  - This Project received strong community support. Letters of community support were received from El Segundo City Council, El Segundo Environmental Committee, California Native Plant Society, and residents of the area.


Questions?
Kevin Ho

Baldwin Vista Green Streets Project

SCWP Funding - Infrastructure Program

Fiscal Year 2023-2024

Central Santa Monica Bay

City of Los Angeles , LA Sanitation & Environment

Presenter: Lorena Matos, LASAN

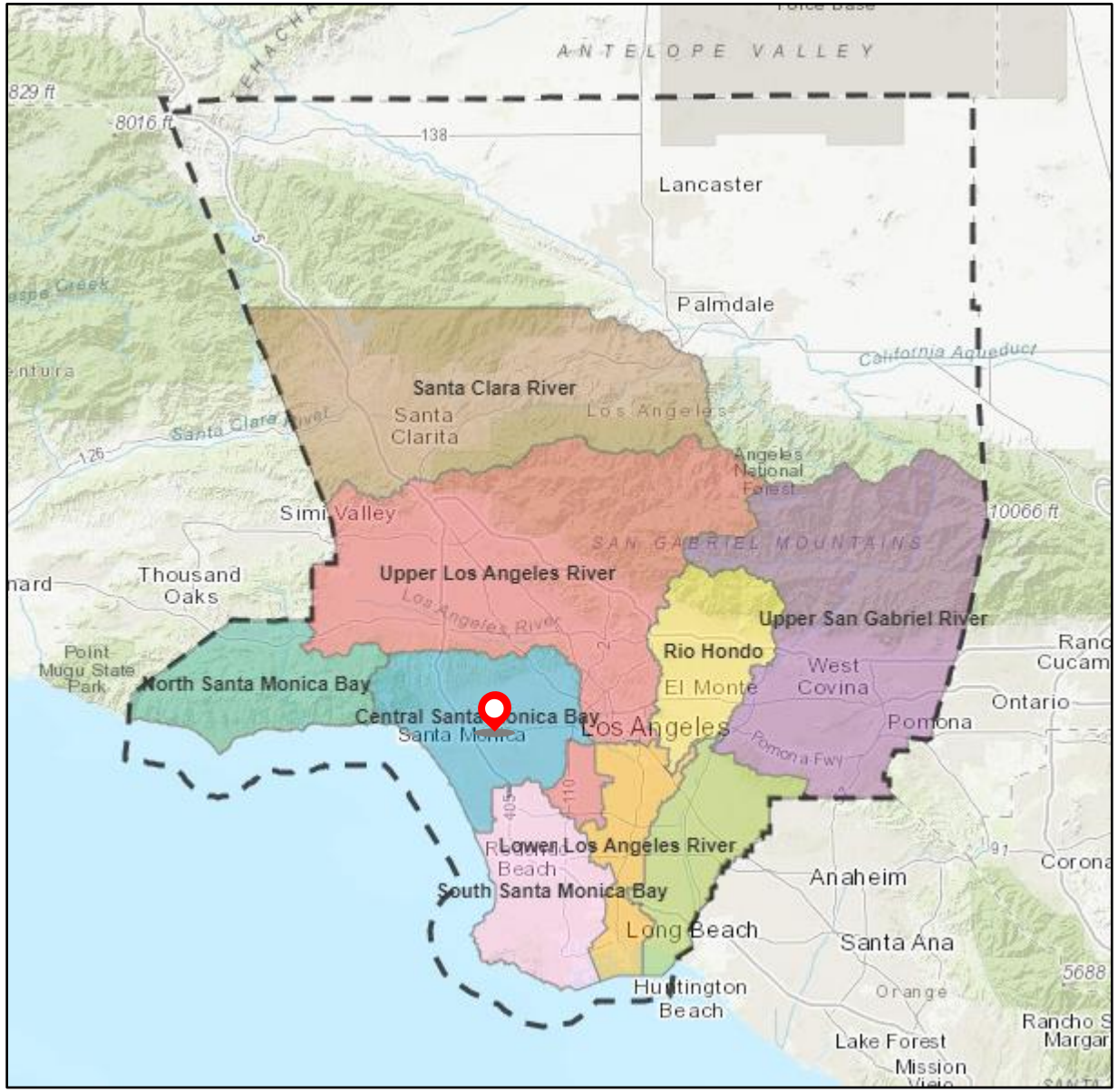
Previously Awarded TRP: No

Project Overview

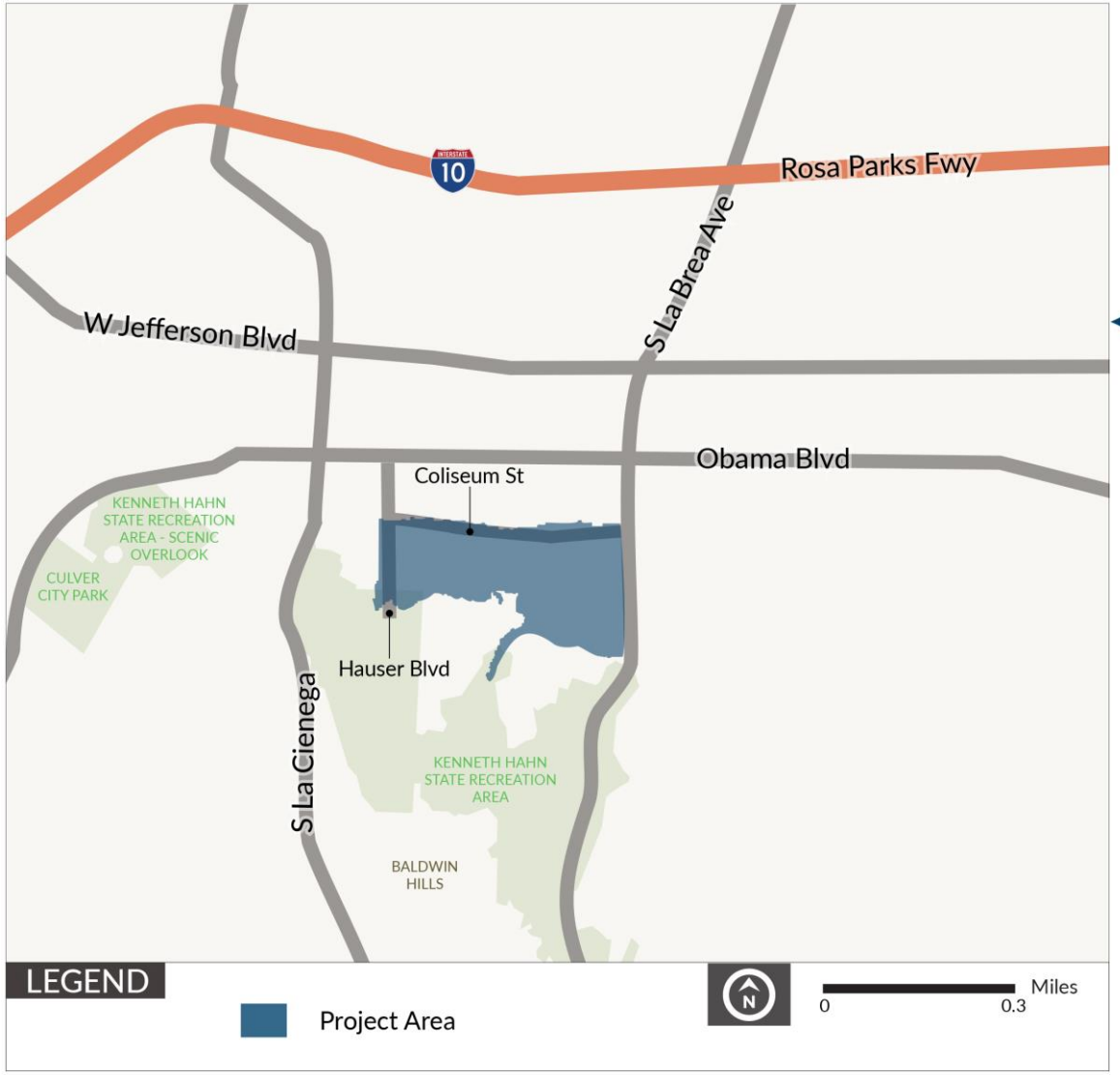
The Baldwin Vista Green Streets Project (Project) adds new green infrastructure to residential, collector, and arterial streets along Coliseum Street in the City of Los Angeles. The Project will improve water quality through the removal of primary and secondary pollutants affecting local water bodies and provide flood control benefits to pedestrians and vehicular traffic, increase trees and shade, and reduce the heat island effect. Project includes installation of dual drywells, bioswales, street trees, and public education signage.

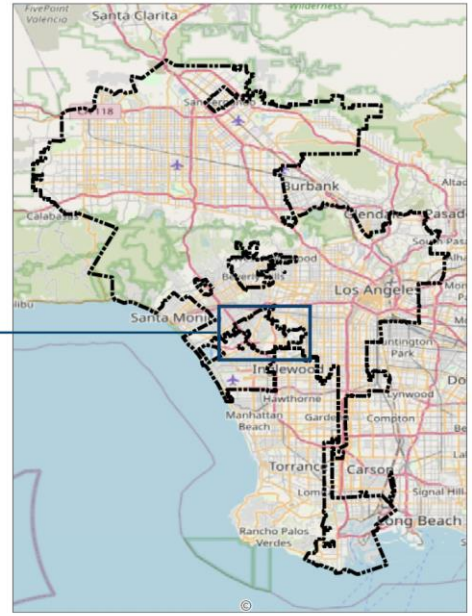
- Primary: 100% trash, Secondary: 92% zinc
- Project Status: Feasibility Study
- SCW funding requested for Planning, Design, Construction, CM, Monitoring, and O&M
- Total Funding Requested: $6,097,900

Watershed Area

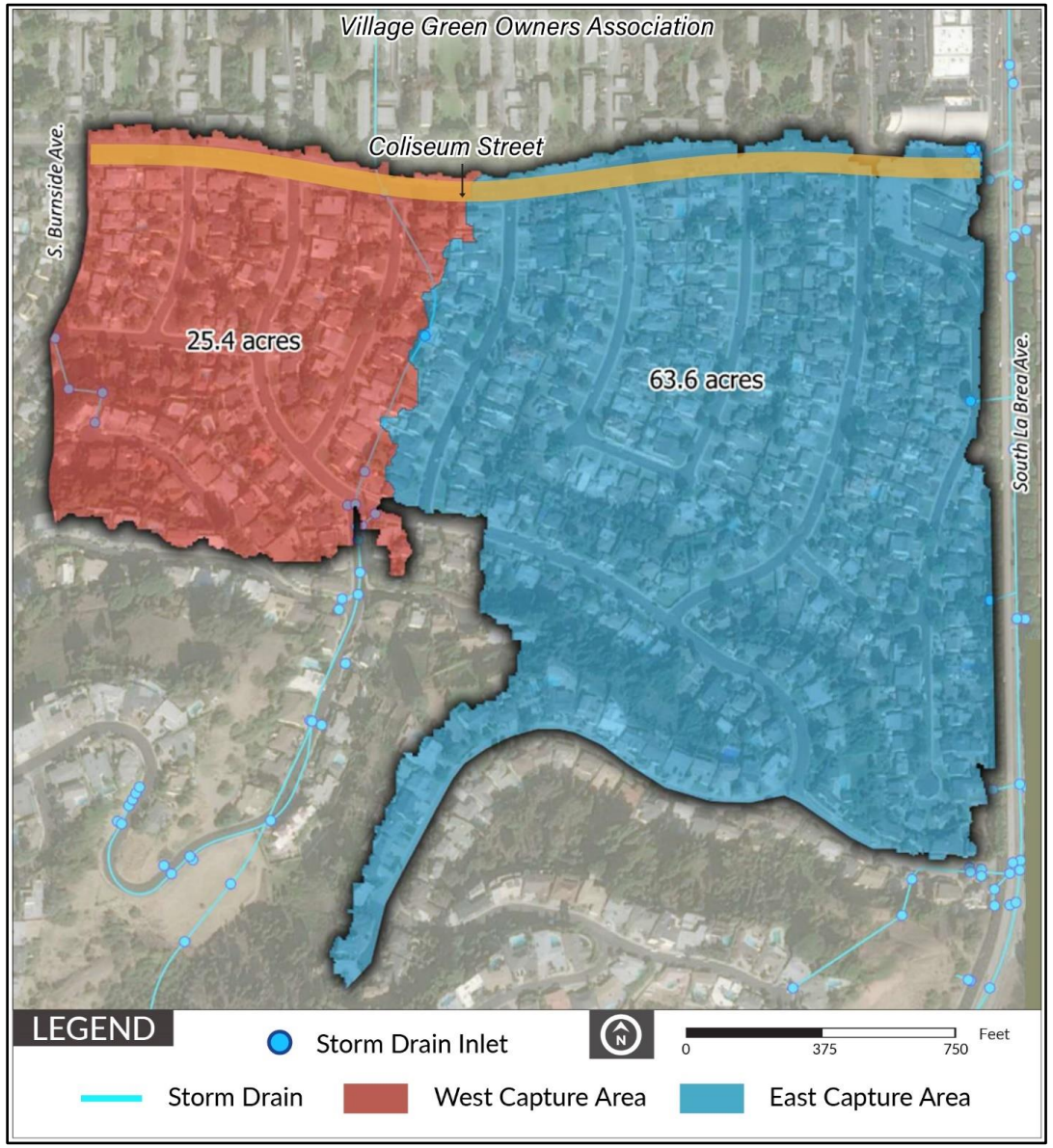


Project Location

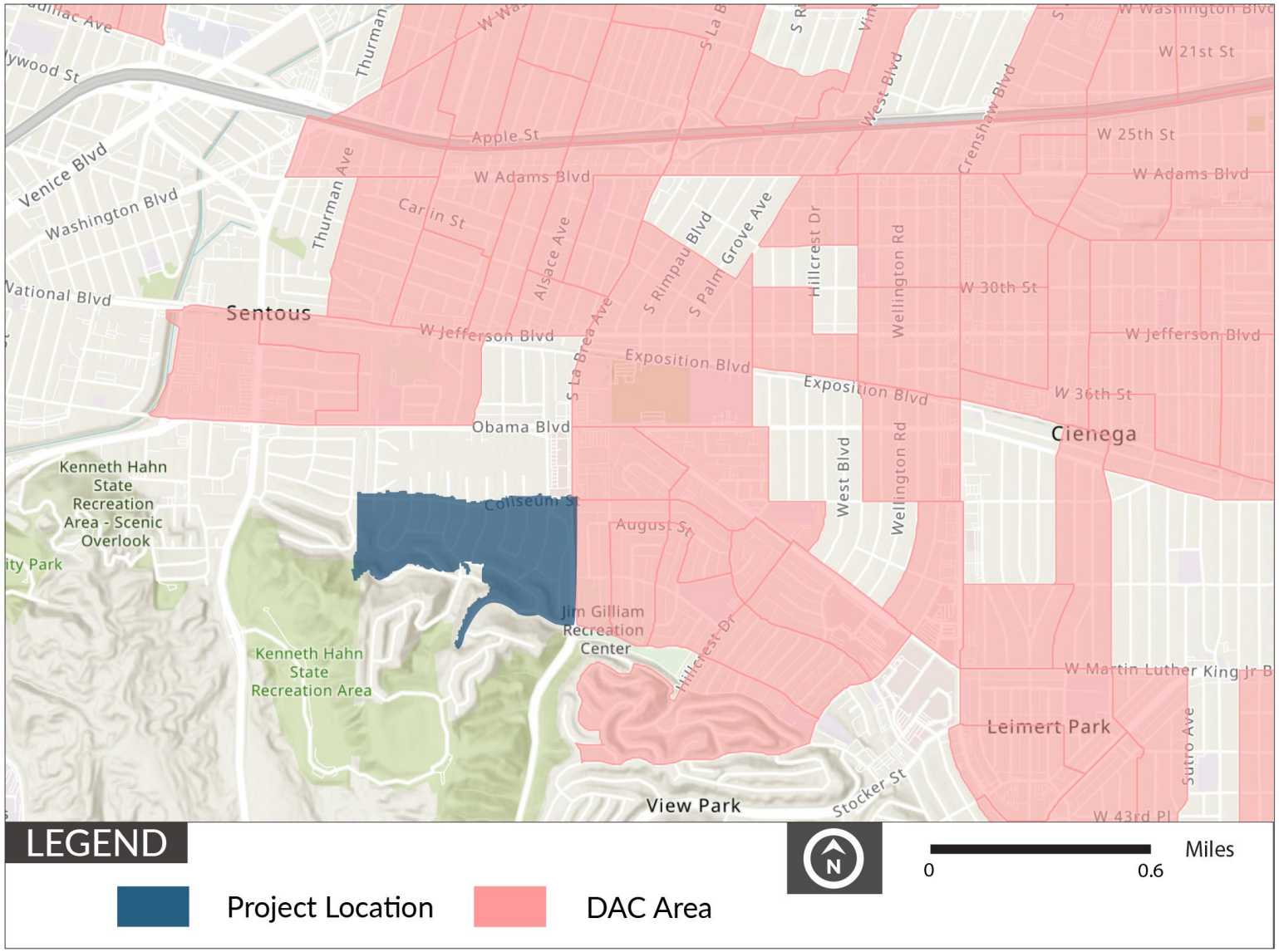




Capture Area



Disadvantaged Community (DAC)



Municipality Benefits

- Remove pollutants from stormwater
- Increase groundwater supply by infiltrating stormwater
- Improve flood mitigation
- Enhance habitat
- Enhance recreational opportunities
- Increase shade
- Increase vegetation
- Decrease carbon dioxide
- Decrease Urban Heat Island Effect

Project Background

- Why was the Project location selected?
  - The Project was selected based on the area of greatest need and potential for effective BMPs.
- How was the Project developed?
  - LASAN prepared a Feasibility Study.
- Which regional water management plan includes the proposed Project?
  - Enhanced Watershed Management Program for the Ballona Creek Watershed.
- Description of benefits to municipality/municipalities.
  - Remove pollutants from stormwater, increase groundwater supply via stormwater infiltration, flood mitigation, enhance habitat, enhance recreational opportunities, increase shade, and increase vegetation.
- Disadvantaged Community (DAC) Benefits
  - Improve stormwater quality.
  - Alleviate minor flooding along Coliseum Street for improved traffic flow and pedestrian mobility.
  - Enhance the pedestrian route via new street trees and bioswales.

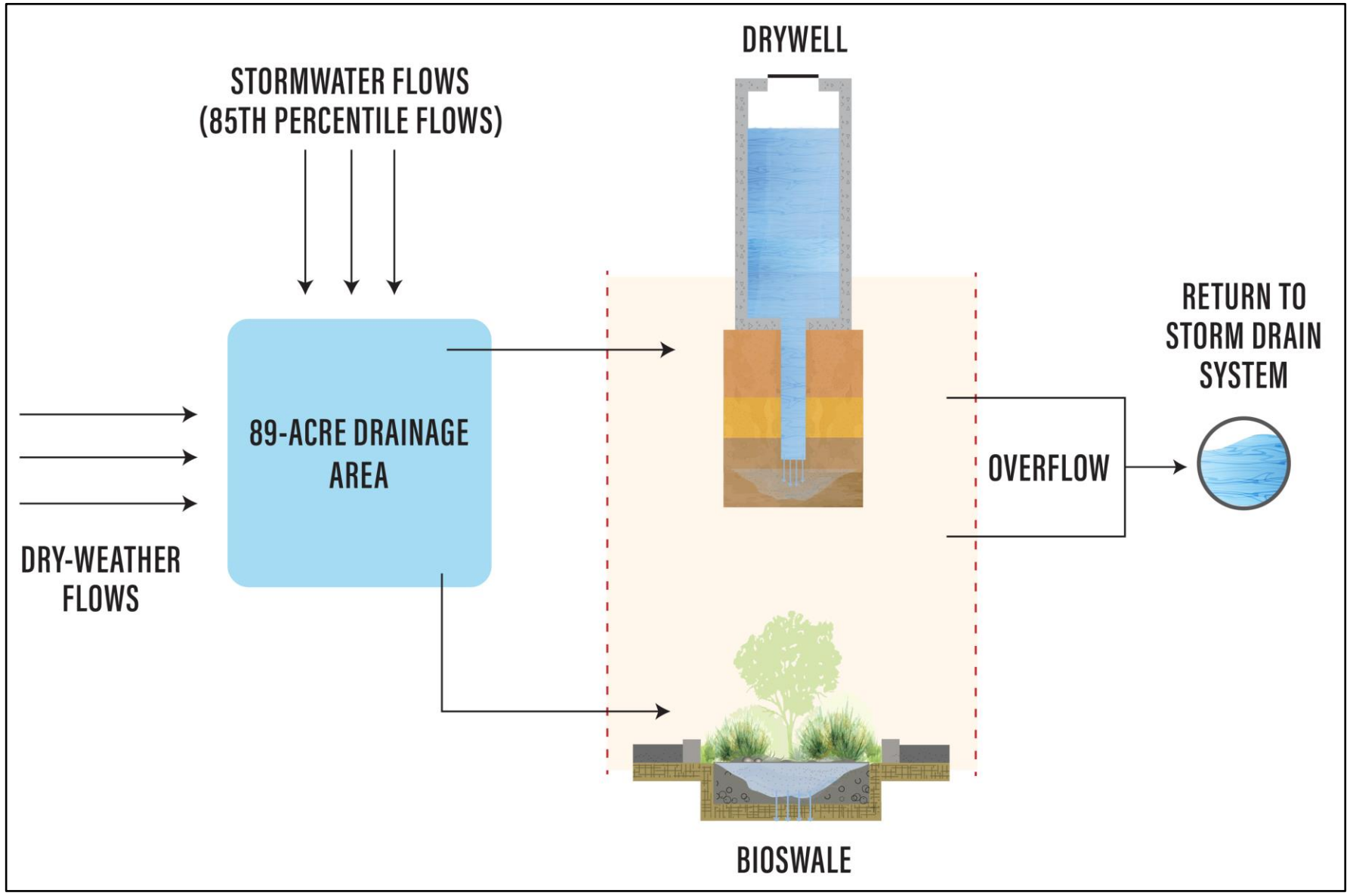
Partners

- Supporting Partners
  - City Council District 10
    - Meetings and Presentations with Council District No. 10 – 3 times
    - Received Support Letter
  - Village Green Owners Association
    - Meeting and Presentation
    - Various Members Provided Support Letters
  - Empowerment Congress West Area Neighborhood Development Council
    - Board Member Briefings and Presentation to General Membership
    - Received Support Letter
  - Baldwin Hills Conservancy
    - Presentation to Executive Director
    - Received Referrals and Recommendations to Community Groups
  - Baldwin Hills Community – 9 Support Letters

Project Details

- Description of Current Site Conditions
  - Generally flat residential and commercial area including a drainage area of 89 acres
  - Stormwater for most of the drainage area is collected by gutters and swales
  - Project area includes parkways on most streets ranging from 2 ft to 9 ft wide
  - Project collects stormwater from the gutters for bioswales, trees, and drywells
  - Residential streets have some trees, but some trees are unevenly spaced where trees had likely been removed and not replaced
- Completed Studies/Analysis
  - Concept Report
  - Feasibility Study
- Description of Alternatives Considered
  - Fewer number of drywells
  - Stormwater capture, storage, and discharge to the wastewater system

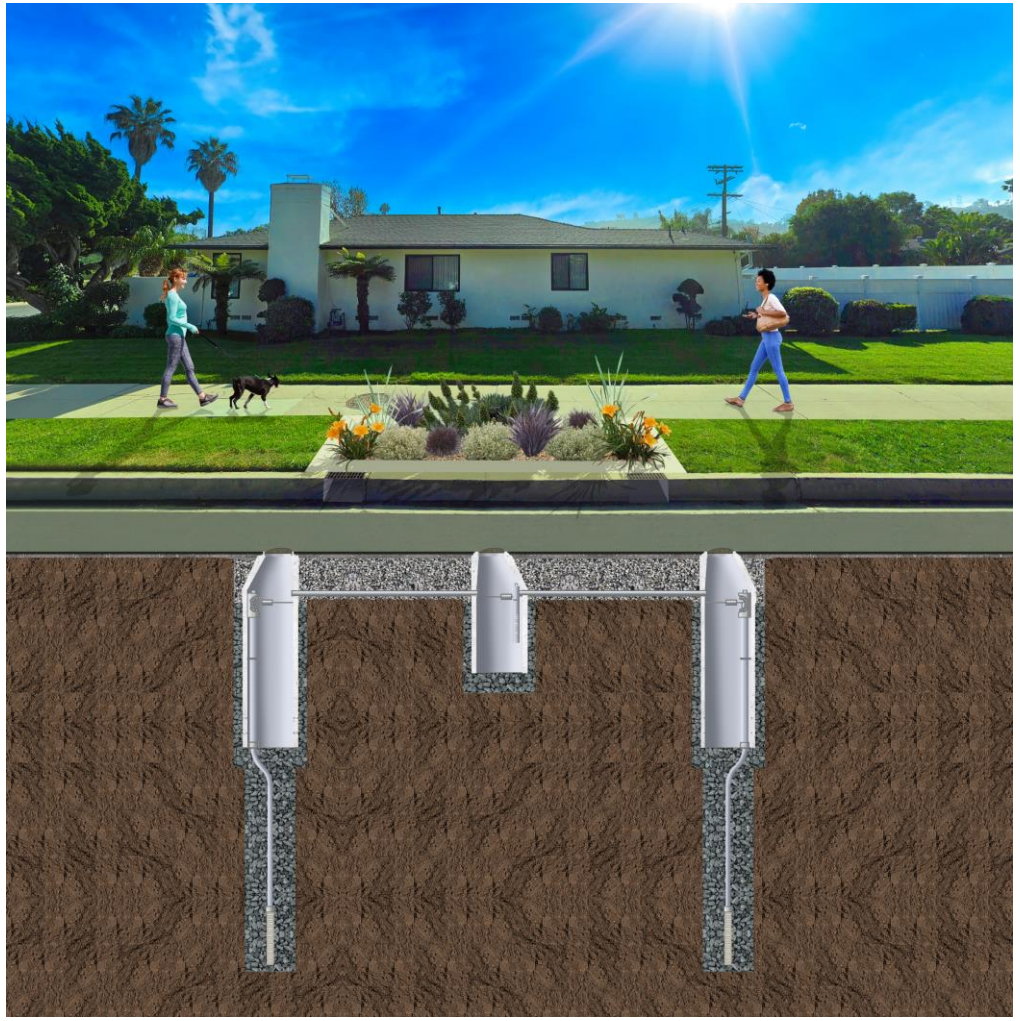
Project Schematic



Site Plan


Coliseum St
Hauser Blvd
Baldwin Hills Shopping Center
S Ridgeley Dr
S Burnside Ave
S Dunsmuir Ave
Duray Pl
S Cochran Ave
S Cloverdale Ave
S Redondo Blvd
Alsace Ave
Sanchez Dr
S Orange Dr
S La Brea Ave
Gibraltar Ave
Stillwater Dr
Weatherford Dr
Veronica St
El Mirador Dr
LEGEND
Bioswale (example locations)
Drywell (example locations)
Tree (example locations)
Project Location
300 150 0 300
Feet

Bioswales, Drywells, and Street Trees



Parkway Bioswales and Drywells

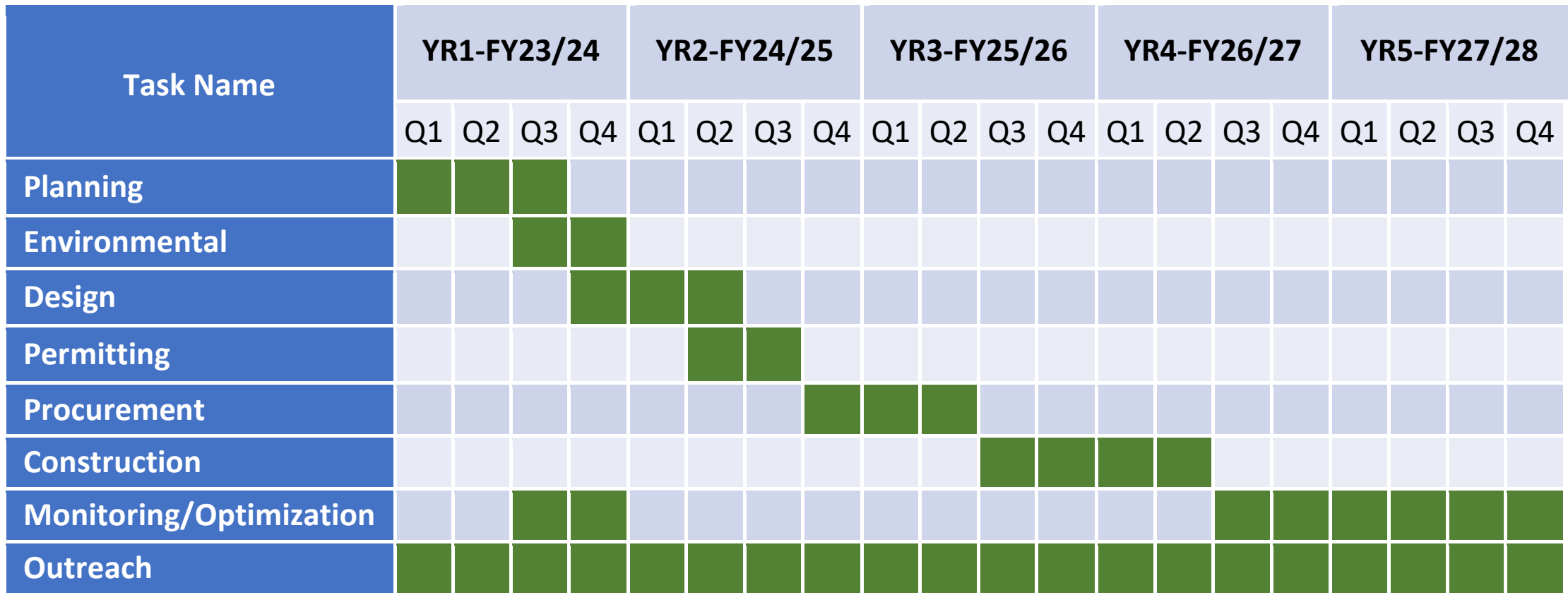
Street Trees

Cost & Schedule by Phase

Project Cost by Phase			
Phase	**Description**	**Cost**	**Completion Date**
Planning	Planning, Public Outreach (pre and post construction), CEQA, Permitting	$447,421	6/2028
Design	Design, Construction Management, Monitoring (post construction)	$2,130,971	6/2028
Construction	Construction	$4,757,799	12/2026
	Total Project Cost by Phase (1)	**$7,336,191**	

- (1) Total does not include annual O&M (per SCWP module)
- Annual O&M costs ($151,175) include inspection and cleaning of dual drywells, and maintenance of trees and bioswales
- Total Cost with O&M: $7,487,366
- Project lifespan: 50 years
- Lifecycle cost: $10,963,469

Schedule

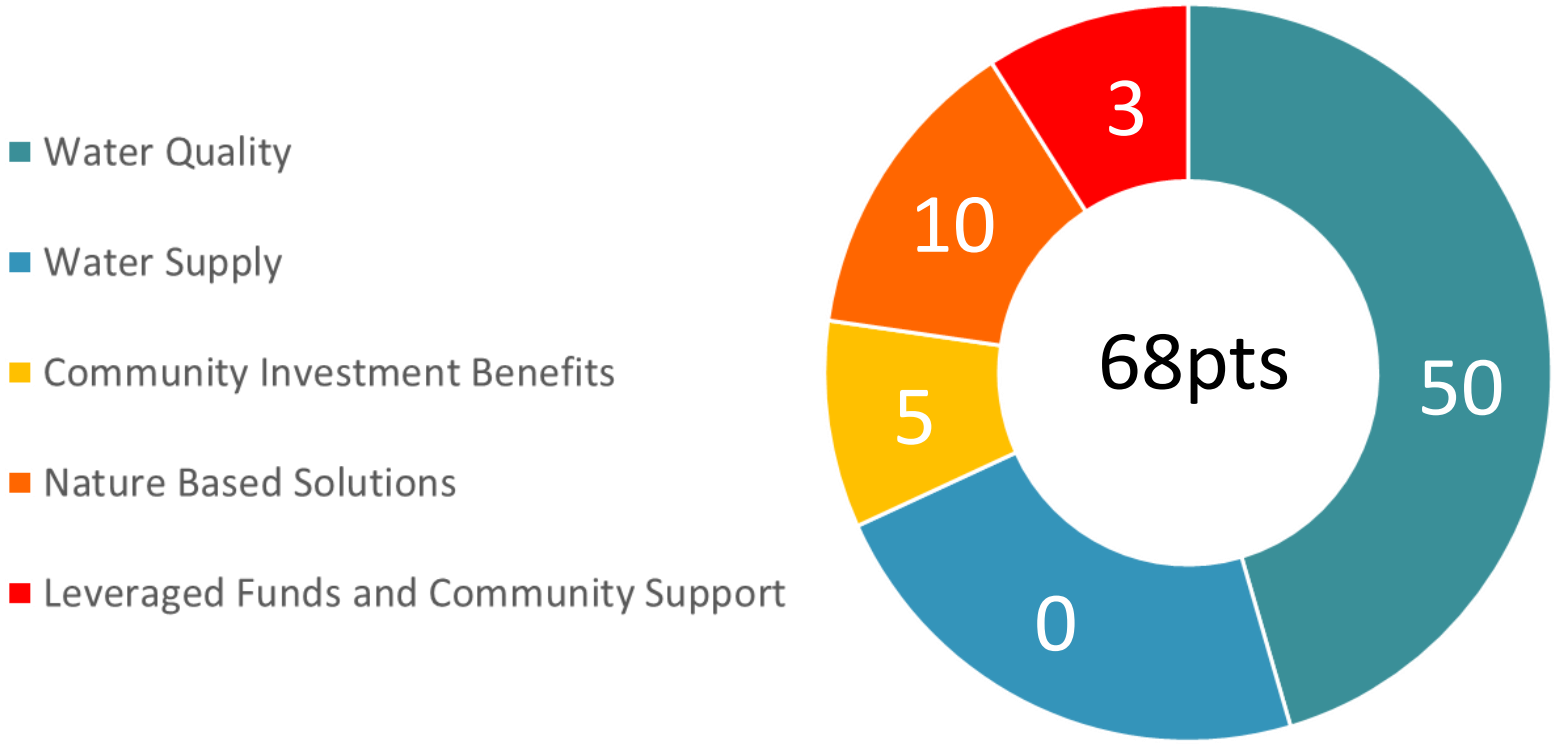

Task Name
YR1-FY23/24
YR2-FY24/25
YR3-FY25/26
YR4-FY26/27
YR5-FY27/28
Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4
Planning
Environmental
Design
Permitting
Procurement
Construction
Monitoring/Optimization
Outreach

Funding Request by Year

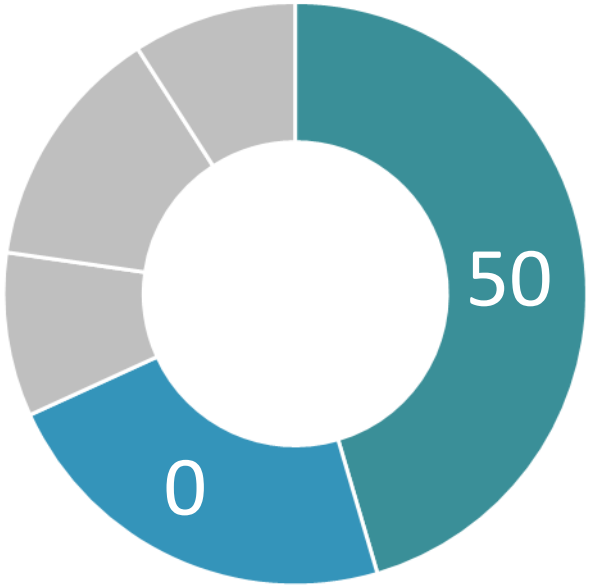
Year	SCW Funding Requested	Phase	Efforts During Phase and Year
1 (FY24)	$285,679	Planning and Design	Funding authorization, environmental review, and preliminary design
2 (FY25)	$575,694	Planning and Design	Final design, permitting, and start procurement
3 (FY26)	$2,483,571	Construction	Finish procurement, start construction, and construction management
4 (FY27)	$2,752,957	Construction	Construction management, finish construction, monitoring, and O&M
5 (FY28)	$0	None	None
TOTAL	**$6,097,900**		

- Leveraged funding: $1,389,466 (18.6% of total cost of $7,487,366)
- Future potential SCWP funding requests: annual O&M and replacement/refurbishment of infiltration system components in 2075

Preliminary Score (Pending Scoring Committee)



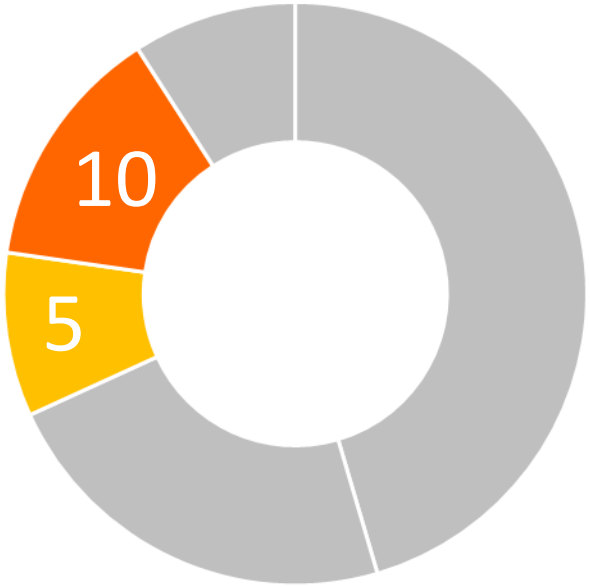
Water Quality & Water Supply Benefits



Pending Scoring Committee. Expected to be scored on 12/1/2022.

- **Water Quality**
  - Dual drywells, bioswales, and street trees
  - Wet weather
  - Tributary area: 89 acres
  - Pollutant reduction: 100% trash, 92% zinc
  - Water quality cost-effectiveness: 1.2 AF/$1M
- **Water Supply**
  - Water supply use: water supply for Central Subbasin (perched aquifer)
  - Annual capacity: 60.6 AF
  - Water supply cost-effectiveness: $7,540/AF

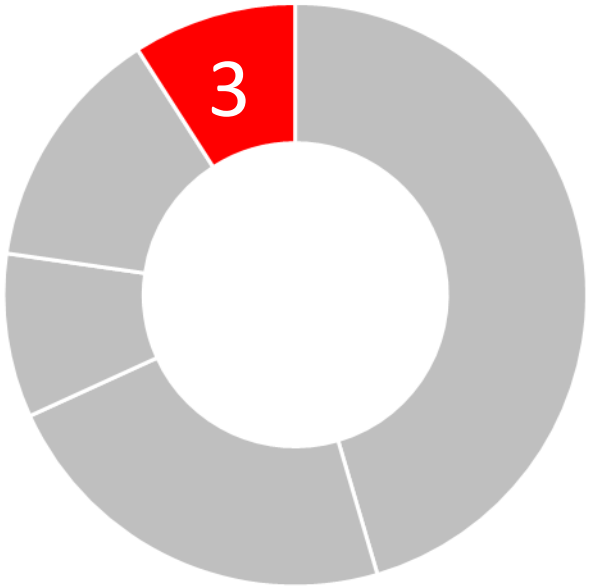
Community Investment Benefits and Nature-Based Solutions



Pending Scoring Committee. Expected to be scored on 12/1/2022.

- **Community Investment Benefits**
  - Improved flood management
  - Creation/enhancement of habitat
  - Enhanced recreational and learning opportunities
  - Educational displays
  - Increased shade and reduction of Heat Island Effects
  - Increased trees and vegetation
- **Nature-Based Solutions**
  - Mimics natural processes in trees and bioswales
  - Mimics natural filtration via soils
  - Utilizes natural materials in bioswales

Leveraging Funds and Community Support



Pending Scoring Committee. Expected to be scored on 12/1/2022.

- **Leveraged Funds**
  - This project has $1,389,466 in leveraged funds (18.6% of total cost), but does not qualify for additional points.
- **Community Support**
  - Engagement included:
    - Baldwin Hills Community
    - City Council District 10
    - Village Green Owners Association
    - Empowerment Congress West Area Neighborhood Development Council
    - Baldwin Hills Conservancy
    - Pop-up Tabling Event at Baldwin Vista Community
    - Community Survey


Questions?

Regional Pathogen Reduction Study

Scientific Studies Program
Fiscal Year 2023-2024
Central Santa Monica Bay, Lower San Gabriel River,
Rio Hondo, Upper Los Angeles River

Gateway Water Management Authority
Presented by: Richard Watson

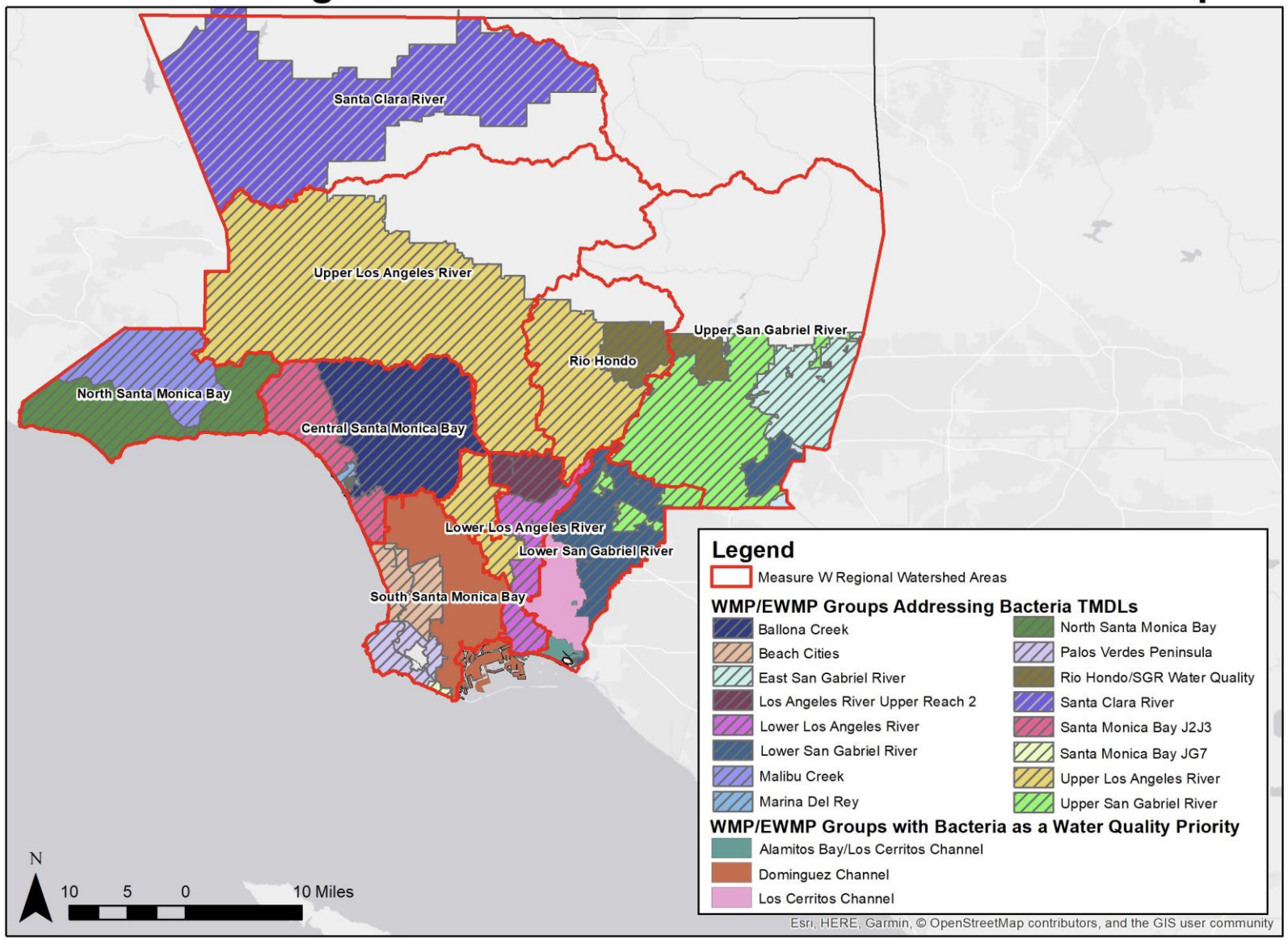
Study Overview

The Study will collect samples from waterbodies within urbanized areas of participating WAs and analyze them for bacterial indicators, viruses, and human markers.

- Describe nexus to Stormwater and Urban Runoff capture and pollution reduction.
  - Study will facilitate improved targeting of pathogen sources and water to capture and/or treat
  - Study may reduce level of stormwater capture for bacteria compliance purposes through the identification of non-MS4 sources of risk thereby improving the protection of human health
  - Study will likely lead to partnering with various parties, such as wastewater agencies and homeless services agencies, to address human sources of pathogens.

Study Location

Measure W Regional Watershed Areas and WMP/EWMP Groups



$5 B

Study Team

- Gateway Water Management Authority will manage the project and select the Study Team, which is expected to consist of a team of local and national experts and academia.

- The study team will be selected based on qualifications to address the Work Plan developed by stakeholders, including study sponsors, interested stakeholders, an independent Technical Advisory Committee, and regulators.

- Members of the Study Team are expected to include engineers, scientists, and statisticians with experience in similar studies, such as the San Diego Surfer Health Study.

Study Details

Problem Statement:

- Waterborne pathogens represent the most significant potential threat to the health of people recreating in and around the ocean and inland waters of Los Angeles County.

- Current standards are based on FIB (fecal indicator bacteria), which are used as proxies for pathogens.
  - FIB are ubiquitous; a vast network of structural control measures would need to be implemented to provide adequate control – projected cost over $5 billion.
  - USEPA and academics agree that human sources of pathogens pose the greatest risk.
  - Unless high-risk sources are targeted, water capture projects may receive large FIB loads, but miss the highest risk human sources.

(Continued)

Study Details (Continued)

Methodology:

- Study work plan will be developed through a stakeholder-led process with the input of technical experts, including academics.
  - Stakeholder engagement is at the forefront of the study to ensure that diverse viewpoints are incorporated.

- Study will collect samples from beaches and waterbodies. Samples will be analyzed for traditional bacterial indicators, viruses, and human markers during wet and dry weather.
  - Identify areas with highest risk to support a focus on those areas
  - Identify the sources causing the highest risk to focus on those sources

- Study will assess control measure effectiveness and efficiency
  - Identify the best BMPs to address the sources
  - Support planning, applying municipal funds, requests for SCWP funding, and actions by other parties

(Continued)

Study Details (Continued)

Regional collaboration efforts:

- Initiated small group discussions and built a scope for a Safe, Clean Water Regional Program project
- Presented Approach to E/WMP Groups
- Discussed with proponents of watershed-specific studies
- Discussed with Regional Board staff

Revised study three times to address concerns

- Clearly focused on human pathogens
- Clarified that study is a component of overall strategy to protect human health
- Clarified that implementation continues during the study
- Reduced first year cost of study

Cost & Schedule

Phase	Description	Cost	Completion Date
Task 1	Stakeholder Process	$490,000	7/22 – 6/27
Task 2	Health Risk Assessment	$5,880,000	7/22 – 9/26
Task 3	Risk Management	$1,734,600	4/23– 3/27
Task 4	Application of Study Findings	$490,000	1/26 – 6/27
TOTAL		**$8,594,600**	

Funding Request

WASC	Year 1	Year 2	Year 3	Year 4	Year 4
CSMB	$47,109.15	$329,764.06	$282,654.91	$307,364.38	$107,432.50
LLAR	$33,843.21	$236,902.50	$203,059.29	$220,810.57	$77,179.51
LSGR	$44,169.54	$309,186.78	$265,017.24	$288,184.85	$100,728.71
NSMB	$4,748.60	$33,240.22	$28,491.61	$30,982.33	$10,829.20
RH	$30,413.67	$212,895.68	$182,482.01	$198,434.45	$69,358.42
SCR	$15,866.36	$111,064.53	$95,198.17	$103,520.32	$36,183.27
SSMB	$48,654.33	$340,580.32	$291,925.99	$317,445.93	$110,956.29
ULAR	$102,094.95	$714,664.67	$612,569.72	$666,120.09	$232,827.71
USGR	$49,973.39	$349,813.71	$299,840.33	$326,052.14	$113,964.40
TOTAL	**$376,873.21**	**$2,638,112.47**	**$2,261,239.26**	**$2,458,915.06**	**$859,460.00**

Summary of Benefits

- By developing a better understanding of pathogens present in the region's watersheds, the relative risk to human health they pose, and the effectiveness of various control measures, new or adapted BMPs can be established that improve water quality and reduce human health risks at our beaches and inland waterbodies.

- Short-term: results could be used to protect people from health risks that aren't currently known.

- Long-term: results will enable the targeted placement of BMPs in locations where they can maximize the prevention or treatment of key sources of human pathogens.


Questions?