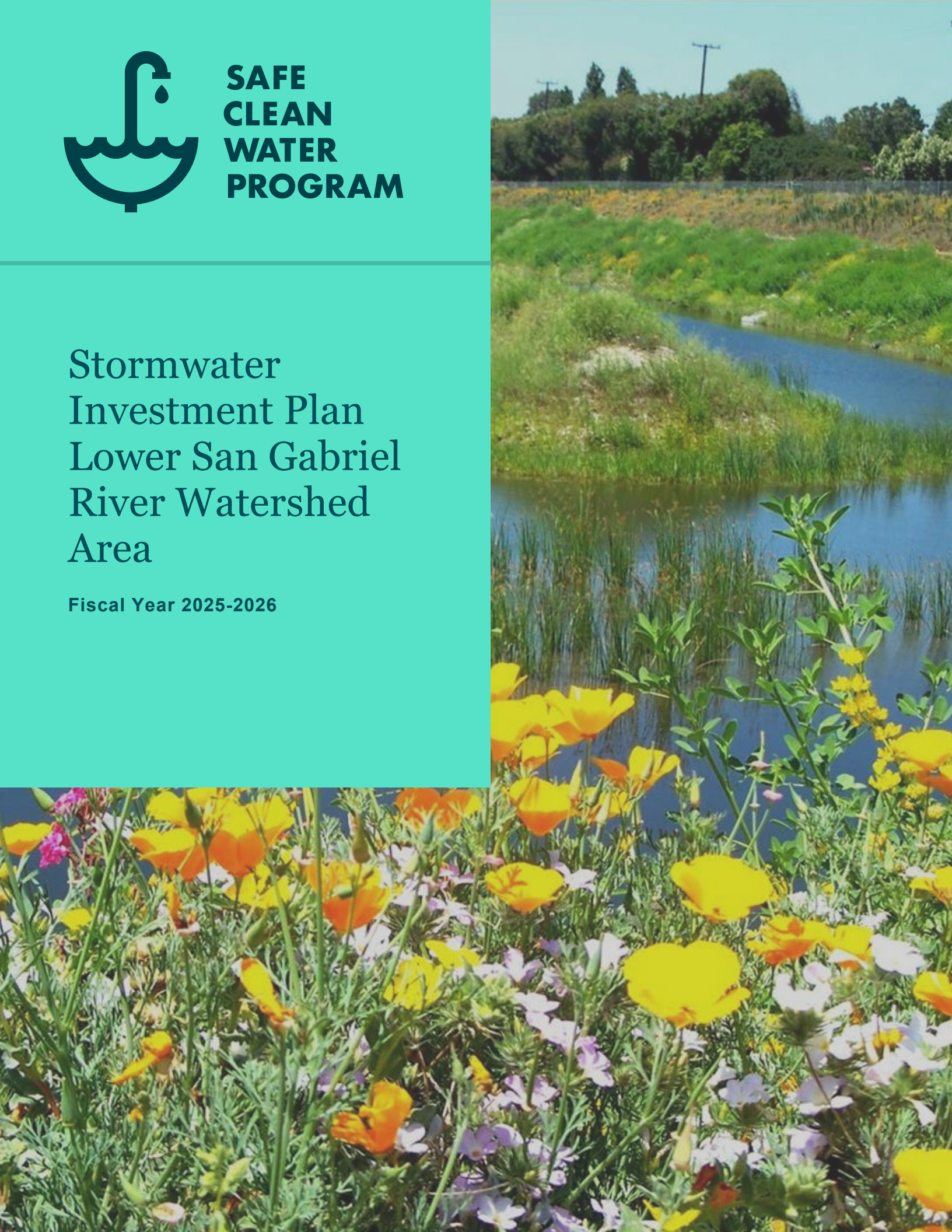
SAFE CLEAN WATER PROGRAM

Stormwater Investment Plan Lower San Gabriel River Watershed Area

Fiscal Year 2025-2026



SAFE CLEAN WATER PROGRAM

Stormwater Investment Plan
Lower San Gabriel River Watershed Area

The Stormwater Investment Plan (SIP) is an annual five (5) year plan developed by each Safe, Clean Water Program (SCWP) Watershed Area Steering Committee (WASC) that recommends funding allocations for Projects and Programs in the Regional Program's Infrastructure Program, Technical Resources Program, and Scientific Studies Program.

The purpose of the SIP is to capture recommended programming for the upcoming fiscal year as well as anticipated recommendations for the next four subsequent years.

The following sections include details regarding the recommended SIP:

Attachments:

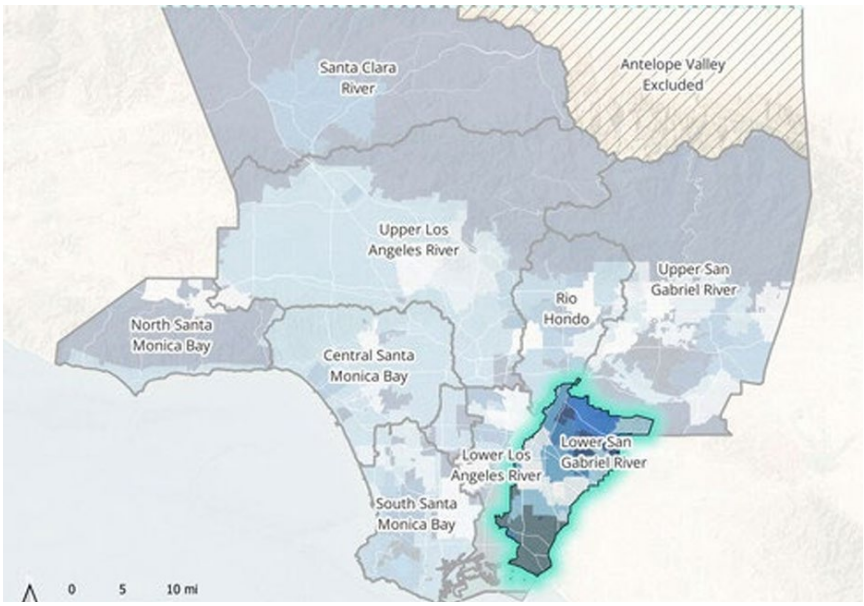
- Attachment A – Final Recommended SIP
- Attachment B – Summary to Date
- Attachment C – Project Modification Requests Forms

Please review the recommended SIP and select one of the following:

	Regional Oversight Committee (ROC) concurs with the recommended SIP as-is
	Refer to ROC meeting minutes for comments

Lower San Gabriel River Watershed Area Background

The Lower San Gabriel River (LSGR) Watershed Area is located in the southeastern Los Angeles County, including much of the Gateway Region, and is within LA County Supervisorial District 4. The watershed overlies the Central groundwater basin, and represents the lower portion of the San Gabriel River and drains to the Pacific Ocean.



Waterways

The Upper and Lower San Gabriel River Watersheds are separated by the Whittier Narrows. The Lower San Gabriel River is approximately 20 miles long and includes the Coyote Creek Tributary as well as the Los Cerritos Channel wetlands system which is just upstream of its mouth at the Pacific Ocean.

Cities & Demographics

The Watershed Area includes 15 municipalities and unincorporated areas of Los Angeles County, including: Artesia, Bellflower, Cerritos, Downey, Hawaiian Gardens, La Habra Heights, La Mirada, Lakewood, Long Beach, Norwalk, Paramount, Pico Rivera, Santa Fe Springs, Signal Hill, and Whittier. The LSGR watershed hosts a wide variety of demographics and racial diversity, educational backgrounds, income levels and languages spoken. The top three languages spoken are Spanish (36.9%), English (44.2%) and Tagalog (4.5%).

"The Watershed Area Steering Committee (WASC) represents a diversity of backgrounds and perspectives present in the LSGR watershed. Through developing the LSGR Prioritization Criteria to help guide our SIP recommendations, we have encouraged both small and large stormwater projects to leverage outside funding and identify cost-share partners. Looking forward, this WASC is interested in funding creative solutions to build stormwater projects in highly developed areas and produce a wide range of community benefits."

– LSGR WASC Co-Chair Dan Mueller

1 Executive Summary

The LSGR WASC requests that the ROC advance the recommended Fiscal Year 2025-2026 (FY25-26) SIP to the Board of Supervisors for approval. The recommended SIP includes funding for three new scientific studies (SS), all continuing projects including two Project Modification Requests (PMRs) with additional funding requests, and the Watershed Coordinator. The recommended SIP allocates 88% of available funding in FY25-26 (Table 1-1).

The included Projects were selected based on information drawn from applications and proponent presentations, and robust discussion of Project benefits, anticipated future funding requests, and available funding. The recommended SIP addresses the required funding thresholds including ratio of funding allocated to Infrastructure Program (IP) Projects, Technical Resources Program (TRP) Project concepts, and SS (Table 4-1) and the required disadvantaged community benefits ratio of 22% (Table 4-2).

During deliberations, the WASC discussed that a higher funding allocation for FY25-26 will result in limited available funding for new and ongoing Projects that may return for construction and O&M costs in the future, particularly given that several ongoing Projects are currently only funded for design.

Three key topics were the focus of the WASC:

- Utilizing the initial project rankings as a starting point to review various scenarios with the top scientific studies included.
- Considering the most useful and effective studies while recognizing the need to retain future funding flexibility.
- Significant discussion about one project modification with a large additional funding request. Although the request was large, the WASC determined that shovel-ready condition and benefits of the project outweighed the high additional funding request while still staying within the WASC budget allocation.

During the March 11, 2025 meeting, the WASC voted to approve the recommended SIP with 9 votes in favor, 4 opposed, 0 in abstention, and 2 absent at time of vote. Meeting minutes are available here with in depth summary of the deliberation and vote.

1.1 Summary of Anticipated Benefits

Development of additional project benefit metrics are currently being incorporated through ongoing adaptive management efforts, including updates to the Reporting and Application Modules and Initial Watershed Planning. Based on the best available data, the following anticipated benefits are expected to be created through this SIP:

- Area managed by Projects: 40,582 acres
- Project Storage Capacity: 234 acre-feet
- Annual Average Stormwater Capture: 4,850 acre-feet

A full summary of estimated aggregate benefits for continuing IPs in previously approved SIPs is included in Table 2-1.

Table 1-1. Summary of SIP FY25-26 Allocations

SIP Allocations						
	FY25-26 Budget	FY26-27 Projection	FY27-28 Projection	FY28-29 Projection	FY29-30 Projection	Totals
Anticipated Available Funds[1]	$19.4M	$18.8M	$18.9M	$32.8M	$48.9M	-
Total Allocated to IP	$15.4M	$15.2M	$2M	$0	$0	$32.6M
Total Allocated to SS	$1.4M	$1.0M	$0.5M	$85k	$0	$2.9M
Total Allocated to TRP	$200k	$200k	$200k	$200k	$200k	$1M
Total Allocation	$17M	$16.4M	$2.6M	$285k	$200k	$36.5M
Percent Allocated	**88%**	**87%**	**14%**	**1%**	**0%**	**-**

[1]**Anticipated Available funds includes annual regional program funds collected, carryover from previous SIPs, and unused funds returning to the Watershed Area.**

Refer to Attachment A or the SIP Tool for the Final Recommended SIP with additional project details.

Below is a summary of the total funding allocated to projects in the recommended SIP, including both new projects and previously approved projects.

1.2 Newly Submitted Projects, Studies, and Concepts

The recommended SIP includes full funding for 3 of the 5 submitted SS. More detail about SS that were considered but not funded is provided in Section 6.

Table 1-2. Summary of New Funding Allocations in Recommended SIP

New Funding Allocations				
Submitted	Included in SIP	Funded project name	Funding Allocations FY25-30	Program
0	0	*(There was no Call for Projects for Infrastructure Program in FY25-26)*		Infrastructure Program (IP)
0	0	*(No TRP were submitted in this watershed area for FY25-26)*		Technical Resources Program (TRP)
5	3	The Application of Innovative Technology for Microbiological Testing in the Los Cerritos Channel Watershed	$1,115,882	Scientific Studies (SS)
		Maximizing Impact of Minimum Control Measures	$360,000	
		Next Gen Bioretention: Towards Living and Adaptive Stormwater Systems for a Resilient Los Angeles Count	$466,248	
5	**3**		**$1,942,130**	**Total**

1.3 Continuing Projects and Studies

The recommended SIP includes funding for all continuing projects, including 5 continuing IPs, 2 continuing SS, and TRP funding for the Watershed Coordinator. Continuing Project and Scientific Study Developers represent 3 municipalities, 1 university, and 2 agencies. Below is a summary of continuing projects and anticipated total funding remaining between FY25-30. Additional details about anticipated project benefits are included in Table 2-1.

Table 1-3. Summary of Continuing Projects and Studies in Recommended SIP

Continuing Projects, Studies			
Funded project name	Project Developer	Anticipated total remaining FY25-30	Program
Reservoir Park Stormwater Capture Project	City of Signal Hill	$5,725,035	Infrastructure Program (IP)
Heartwell Park at Clark Channel Stormwater Capture Project	City of Long Beach	$1,432,236	
Heartwell Park at Palo Verde Channel Stormwater Capture Project	City of Long Beach	$1,828,817	
Hermosillo Park	City of Norwalk	$20,577,101	
Skylinks Golf Course at Wardlow Stormwater Capture Project	City of Long Beach	$2,986,120	
LSGR Watershed Coordinator	Los Angeles County Flood Control District	$1,000,000	Technical Resources Program (TRP)
Identifying Best Practices for Maintaining Stormwater Drywell Capacity	California State Polytechnic University, Pomona	$328,882	Scientific Studies (SS)
Regional Pathogen Reduction Study	Gateway Water Management Authority	$653,931	
Total		**$34,532,122**	

1.4 Project Modification Requests (PMRs)

The LSGR WASC received one consistent PMR and two inconsistent PMRs for IP projects, both of which requested additional funding. The final SIP recommends approval of the full additional funding requests.

Table 1-4. Summary of PMR Submissions and Additional Funding Awards

PMR Submissions*				
Project name	Modification Details	Original funding award	Additional funding request	New funding total– WASC approved
Targeted Human Waste Source Reduction Strategy to Address Bacteria-Related Compliance Objectives for the LCC	Consistent – schedule change	$475,000	$0	

Project name	Modification Details	Original funding award	Additional funding request	New funding total– WASC approved
Project name	Modification Details	Original funding award	Additional funding request	New funding total– WASC approved
Hermosillo Park	Inconsistent – increased funding request	$20,110,000	$9,907,101 (+49% increase)	$30,017,101
Skylinks Golf Course at Wardlow Channel Stormwater Capture	Inconsistent – increased funding request	$10,446,880	$2,986,120 (+29% increase)	$13,433,000
Total		**$30,556,880**	**$12,893,221 (+42% increase)**	**$43,450,101**

***For more information on PMRs, see Section 3.**
Consistent – PMR consistent with previously approved SIP
Inconsistent – PMR inconsistent with previously approved SIP

2 Projected Watershed Area Benefits

Below is a summary of the estimated aggregate benefits for Infrastructure Program (IP) Projects included in the approved FY20-21, FY21-22, FY22-23, FY23-24, FY24-25, and recommended FY25-26 SIP.

Table 2-1. Summary of estimated benefits for IP Projects to date

Number of IP Projects Providing Benefits	
Stormwater Benefits	
40,582	Area Managed by Projects (acres)
234	Project Storage Capacity (acre-feet)
4,850	Annual Average Stormwater Capture (acre-feet)
41.87	Dry Weather Inflow to Projects (cubic feet per sec)
Primary Pollutant Addressed	
11	Zinc
0	Bacteria
0	Nitrogen
9	Other*
Water Supply Benefits	
9	Connected to Aquifer
7	Sends to WW Treatment Plant for Reuse
14	Uses Water Onsite

Number of IP Projects Providing Benefits	
Community Investment Benefits	
20	Reduces Heat Island Effect
18	Provides Recreational Opportunities
20	Increases Shade and Trees
16	Improves Flood Protection
7	Improves Waterways Access
20	Enhances Habitat or Park Space
2	Enhances Green Spaces at Schools
Nature-Based Solutions	
19	Mimics Natural Processes
20	Uses Natural Materials
Leveraging Funds	
11	Leverages Shared Funds

***Primary Pollutant Addressed does not apply to Dry Weather Projects. Therefore, Dry Weather Projects are categorized as "Other".**

3 SIP Deliberation Process

The Call for Projects for FY25-26 funding ended on July 31, 2024. Facilitated by Los Angeles County Public Works (PW) staff, the WASC held 8 meetings between July 2024 and March 2025, at which they discussed and reviewed all necessary items to ultimately develop their recommended FY25-26 SIP. Refer to the Lower San Gabriel River WASC webpage for the current list of WASC members, meeting dates, and meeting materials. Refer to the Lower San Gabriel River WASC Archive webpage for all past meeting information and materials.

3.1 Summary of Meetings

3.1.1 July 9, 2024

The WASC received a WASC Roles and Responsibilities presentation that informed new members, and reminded returning members, of their obligations and goals as members of the WASC.

The WASC received a summary of FY23-24 Quarter 1 and Quarter 2 progress and expenditure reports.

The WASC voted to select new co-chairs (Dan Knapp and Dan Mueller).

For more information, refer to the July 9, 2024 Meeting Minutes.

3.1.2 August 28, 2024

The SCWP Watershed Planning staff facilitated a workshop in which WASC members identified strategies they would like to see implemented through future Projects and Studies to meet SCWP goals in the LSGR Watershed Area.

For more information, refer to the August 28, 2024 Meeting Minutes.

3.1.3 October 8, 2024

The Watershed Coordinator provided an update of the LSGR Strategic Outreach and Engagement Plan (SOEP) for FY24-25.

For more information, refer to the October 8, 2024 Meeting Minutes.

3.1.4 November 12, 2024

The Watershed Coordinator provided an overview of the five Scientific Studies applications submitted for FY25-26 Call for Projects.

The SCWP Watershed Planning staff provided an update on the Initial Watershed Plan Framework and the Community Strengths and Needs Assessment (CSNA).

For more information, refer to the November 12, 2024 Meeting Minutes.

3.1.5 December 10, 2024

The WASC received presentations from 3 of the 5 submitted Scientific Study applicants:

- The Application of Innovative Technology for Microbiological Testing in the Los Cerritos Channel Watershed
- Data-Driven Resource Optimization and Planning System (DROPS)
- Depave LA: Prioritizing Lots for Green Retrofitting

Each applicant was allotted 10 minutes of presentation time with 10 minutes for questions and answers; additional time for presentation or Q&A was accommodated when necessary.

For more information, refer to the December 10, 2024 Meeting Minutes.

3.1.6 January 14, 2025

The WASC received presentations from the remaining 2 of the 5 submitted Scientific Study applicants:

- Maximizing Impact of Minimum Control Measures
- Next Gen Bioretention: Towards Living and Adaptive Stormwater Systems for a Resilient Los Angeles County

The WASC received an overview of the Project Modification Request (PMR) process based on the Project Modification Guidelines.

For more information, refer to the January 14, 2025 Meeting Minutes.

3.1.7 February 11, 2025

The WASC received a Peer Review Summary of FY25-26 Scientific Studies, where CASC Engineering evaluated objectives, technical approaches, and whether each of the Studies met the goals of the SCWP.

- The Application of Innovative Technology for Microbiological Testing in the Los Cerritos Channel Watershed – FY25-26 Peer Review Summary
- Data-Driven Resource Optimization and Planning System (DROPS) – FY25-26 Peer Review Summary
- Depave LA: Prioritizing Parking Lots for Green Retrofitting – FY25-26 Peer Review Summary
- Maximizing Impact of Minimum Control Measures – FY25-26 Peer Review Summary
- Next Gen Bioretention: Towards Living and Adaptive Stormwater Systems for a Resilient Los Angeles County – FY25-26 Peer Review Summary

The WASC continued their discussion on the PMR process and received summary of determinations on each PMR submitted. Two PMR forms were submitted for previously approved Projects and one PMR form was submitted for previously approved Scientific Study. Each PMR form was reviewed by PW staff and determined either consistent or inconsistent with the approved SIP. Ultimately, 1 PMR form was deemed consistent (Targeted Human Waste Source Reduction Strategy for LCC) with the approved SIP, while the 2 were deemed inconsistent (Hermosillo Park and Skylinks Golf Course at Wardlow Channel Stormwater Capture). PMRs that were deemed consistent with the approved SIP required no further action from the WASC. PMRs that were determined inconsistent with the approved SIP were returned to the WASC for discussion on

inclusion in the pending SIP as described in Section 7 Previously Approved Projects, Project Concepts, and Studies.

The PMR submitted by the City of Lakewood for the Targeted Human Waste Source Reduction Strategy to Address Bacteria-Related Compliance Objectives for the Los Cerritos Channel Scientific Study was deemed consistent by PW staff as their proposed modification was a schedule change that did not impact the funded activity completion date.

The PMRs deemed inconsistent were due to increases in funding requested. The City of Norwalk's Hermosillo Park, originally funded for $20.1M, requested an additional $9.9M. The City of Long Beach's Skylinks Golf Course at Wardlow Stormwater Capture Project, originally funded for $10.4M, requested an additional $2.9M. The Project Developers for both PMRs cited inflation as the reason for their modified requests. Their cost estimates for construction have drastically changed from their original estimates early in the planning phases of their projects. Both Project Developers assured the WASC that their increased request would ultimately result in their projects getting constructed and that they would not come back to the WASC to seek additional funds in the future.

For more information, refer to the February 11, 2025 Meeting Minutes.

3.1.8 March 11, 2025

The WASC received a summary and presentation of FY23-24 Quarter 3 and Quarter 4 progress and expenditure reports that showcased a more streamlined process for reviewing progress and expenditure reports from continuing Projects and Studies.

The WASC deliberated on the SIP. Ahead of this meeting, PW Staff provided WASC members with a Summary of Resources for FY25-26 LSGR SIP, which included links to all information discussed in meetings that helped them have a robust discussion and make an informed decision. WASC members provided preliminary rankings of the New Studies and PMRs under consideration via an online survey. The results are summarized in the tables below and were intended to set a starting point for SIP deliberations.

Table 3-1. Preliminary WASC Scientific Studies rankings

Program	Study Name	Number of Committee Rankings	Points*	Program Place
SS	Maximizing Impact of Minimum Control Measures	13	50	1
SS	The Application of Innovative Technology for Microbiological Testing in the Los Cerritos Channel Watershed	14	46	2
SS	Next Gen Bioretention: Towards Living and Adaptive Stormwater Systems for a Resilient Los Angeles County	13	41	3
SS	Data-Driven Resource Optimization and Planning System (DROPS) for Los Angeles County	11	31	4
SS	Depave LA: Prioritizing Parking Lots for Green Retrofitting	12	28	5

*Note: These values are NOT project scores but rather a weighted representation of the committee's preliminary rankings to help prioritize funding considerations and discussion.

Table 3-2. Preliminary WASC PMR rankings

Program	Project Name	Number of Committee Rankings	Points*	Program Place
PMR (IP)	Skylinks Golf Course at Wardlow Stormwater Capture Project	16	29	1
PMR (IP)	Hermosillo Park	11	14	2

*Note: These values are NOT project scores but rather a weighted representation of the committee's preliminary rankings to help prioritize funding considerations and discussion.

The WASC held an in-depth discussion, which included many follow-up questions of the Study applicants and PMR Developers, and deliberated several different scenarios on the SIP Tool.

The WASC did not have significant concerns for the additional funds requested for the Skylinks Golf Course at Wardlow Stormwater Capture Project. For Hermosillo Park however, some WASC members expressed concern over the significant increase in funds requested. The Project Developer assured the WASC that approval of their PMR would result in their project starting construction in 2025. The WASC determined that the benefits of this shovel-ready project outweighed the significant additional funding request.

Ultimately, the WASC recommended funding the Top 3 Scientific Studies based on the preliminary ranking results (Maximizing Impact of Minimum Control Measures, The

Application of Innovative Technology for Microbiological Testing in the Los Cerritos Channel Watershed, Next Gen Bioretention: Towards Living and Adaptive Stormwater Systems for a Resilient Los Angeles County). They also decided to include both PMRs (Hermosillo Park and Skylinks Golf Course at Wardlow Stormwater Capture Project) for the additional funding requested, highlighting the importance of funding projects through construction.

For more information, refer to the March 11, 2025 Meeting Minutes.

3.2 Summary of Public Comment

The WASC received public comments which are available in the WASC meeting minutes on the Safe, Clean Water website. The WASC did not receive any strong public comments contrary to the SIP or any of the Studies or PMRs under consideration. The WASC received a public comment in support of the Skylinks Golf Course at Wardlow Stormwater Capture Project for securing matching funds and utilizing local returns, and in support of Application of Innovative Technology and Maximizing Impact of Minimum Control Measures Studies, noting their potential utility in the LSGR Watershed Area.

4 Infrastructure Program

4.1 Discussion of Criteria

As noted in previous sections, new Infrastructure Program applications were not accepted for FY25-26. Only continuing Infrastructure Program Projects from previously approved SIP are included in this final recommended SIP. Per LACFCD Code Ch18.07.B.2, the SIPs shall be developed by the WASC in accordance with the criteria described below.

4.1.1 Regional Program Allocations

Compliant with LACFCD Code Ch18.07.B.2.a

Below is a summary of the Regional Program allocations over the 5-year SIP, which includes previously approved projects.

Table 4-1. Regional Program allocations over the 5-year SIP

Funding Program	Total SCWP Funding Allocated FY25-30	Funding Distribution for Subprograms FY25-30*
Infrastructure Program (≥85%)	$32,549,309.00	89.2%
Scientific Studies (<5%)	$2,924,942.80	3.6%
Technical Resources Program (<10%)	$1,000,000.00	1.2%
Grand Total	$36,474,251.80	

*Note: The funding distribution for the Infrastructure Program is based off of the total funding allocated over the 5-year period. The funding distributions for Scientific Studies and Technical Resources Program are based on the total revenue collected for the 5-year period.

4.1.2 Disadvantaged Communities (DAC) Benefits

Compliant with LACFCD Code Ch18.07.B.2.c.

Based on the total Infrastructure Program funding allocations for the SIP and the ratio of the DAC population to the total population in each Watershed Area, funding for Projects that provide DAC Benefits over the 5-year SIP shall not be less than the value shown below. Below is an overview of Funding Allocated for DACs from FY25-30.

Table 4-2. Funding allocated for DACs over the 5-year SIP

Disadvantaged Community (DAC) Allocation	
Required DAC Ratio	22%
Required Funding for DACs FY25-30 (110%)	$7,705,072.43
Funding Allocated for DACs FY25-30	$22,009,337.00

*Note: These figures are based on the 2020 US Census and will be updated periodically.

As shown, the total Safe, Clean Water Funds benefiting DACs over a rolling 5-year period for the recommended SIP is greater than the required funding for DACs for this Watershed Area. To better assist with and standardize this determination in the future, the District updated interim guidance for implementing Disadvantage Community Policies in the Regional Program. Interim guidance is available on the SCWP website.

4.1.3 Leveraged Funds and Community Support

Although Infrastructure Program applications were not accepted for FY25-26, Project Developers for continuing projects continue to seek leveraged funding opportunities to complement SCWP funding.

4.1.4 Long Term Planning Considerations

The WASC incorporated long term planning by considering anticipated future construction costs for previously approved projects during SIP development. In the past,

future anticipated construction costs were estimated and confirmed by project applicants. This year, an enhanced hypothetical scenario was developed that includes potential construction costs for projects that have only been funded for design, inflation costs, and a 50% assumption of leveraged funds. Actual future SCWP funding requests for construction may differ due to updated project estimates, leveraged funding, awarded grants, or local match.

In addition, the annual Operations and Maintenance (O&M) projections provided in the Project applications for previously approved Projects were included in the SIP Tool and shown below. The recommended SIP anticipates a total annual O&M cost of $4M of the anticipated $16.5M annual Regional Program funds collected and will be accounted for in future SIPs.

Below is a summary of the total funding allocated per year in the recommended SIP, including estimated construction costs for previously approved projects. This represents the theoretical SIP projections based on currently anticipated additional funding requests to cover subsequent phases.

	Budget	Projections					
	FY25-26	FY26-27	FY27-28	FY28-29	FY29-30	TOTAL	Annual O&M
A.1 Anticipated Annual Regional Program Funds Collected	$16.5M	$16.5M	$16.5M	$16.5M	$16.5M	$82.3M	
A.2 Carryover from Previous SIP	$2.9M	$2.4M	$-34.4M	$-58.3M	$-71.7M		
A.3. Removed Projects and Unused TRP Funds	$0	$0	$0	$0	$0		
A. Anticipated Regional Program Funds Available (A.1 + A.2 + A.3)	$19.4M	$18.8M	$-17.9M	$-41.8M	$-55.2M		
B.1 Total Allocated in Previous SIP(s)	$16M	$52.6M	$40.1M	$29.9M	$8.8M	$147M	$4M
B.2 Total Recommendation in Current SIP	$1M	$624k	$292k	$0	$0	$1.9M	$0
B. Total Allocated and Recommendation in SIP (B.1 +B.2)	$17M	$53.2M	$40.4M	$29.9M	$8.8M	$149M	Total: $4M
C. Carryover in Current SIP (A - B)	$2.4M	$-34.4M	$-58.3M	$-71.7M	$-64.1M		
D. Percent Allocated (B / A)	88%	283%	325%	171%	116%	175%	

Note: This is not the recommended SIP.

A is the sum of Total Anticipated Annual Regional Program Funds Available and B is the sum of Total Recommended in Current SIP and Total Allocated in Previous SIP(s).

C is the Remaining Balance.

Figure 4-1. SIP Tool final funding scenario annual budget, including construction costs, for FY25-30.

Refer to the SIP Tool or the “Final – 3/11/25 with Potential Future IP Costs” scenario. As shown in the theoretical SIP, other funding sources will be required to bring all

projected Projects to completion, and most of the members in the WASC were confident in the Watershed Area's ability to do so. If unable to do so, the WASC understands they will need to defer the construction of certain Projects to occur in later years.

4.1.5 Other Considerations

As previously noted, the SCWP did not accept any applications for the Infrastructure Program for FY25-26. The only Infrastructure Program Projects included in the SIP are those continuing Projects that were earmarked funds in FY25-30 in previous SIP's. The WASC had several opportunities to inquire about the status of these Projects. The WASC was presented progress report summaries for these Projects at both the August 28, 2024 and March 11, 2025 meetings. Project Developers were present at both meetings to respond to any questions or concerns from the WASC. For more details on these Projects, see Section 7.

5 Technical Resources Program

Per LACFCD Code Ch18.07.D, the purpose of the Technical Resources Program is to provide Technical Assistance Teams to assist with the development of Feasibility Studies and to provide Watershed Coordinators.

5.1 Submitted and Recommended Project Concepts

There were no Project concepts submitted to the FY25-26 Technical Resources Program for this Watershed Area. A placeholder to fund one Watershed Coordinator for up to for $200k/year was included in the recommended SIP.

5.2 Discussion

The WASC did not receive any Technical Resources Program applications. The WASC recommended funding 1 Watershed Coordinator.

6 Scientific Studies Program

Per LACFCD Code Ch18.07.E, the purpose of the Scientific Studies Program is to provide funding for scientific and technical activities.

6.1 Submitted and Recommended Studies

Below is a list of all Scientific Studies submitted to the FY25-26 Scientific Studies Program for this Watershed Area. Studies shown in white have been included in the recommended SIP.

Table 6-1. Summary of submitted and recommended Scientific Studies for FY25-26

Project Name	Project Developer	Included in SIP	Total Funding Allocated in this WASC
The Application of Innovative Technology for Microbiological Testing in the Los Cerritos Channel Watershed	Not Yet Decided	Included in SIP	$1,115,882.00
Data-Driven Resource Optimization and Planning System (DROPS) for Los Angeles County	Foothill Municipal Water District	Not Included	$49,111.00
Depave LA: Prioritizing Parking Lots for Green Retrofitting	Council for Watershed Health	Not Included	$220,432.00
Maximizing Impact of Minimum Control Measures	Not Yet Decided	Included in SIP	$360,000.00
Next Gen Bioretention: Towards Living and Adaptive Stormwater Systems for a Resilient Los Angeles County	TreePeople	Included in SIP	$466,248.00

Refer to Attachment A or the SIP Tool for the Final Recommended SIP with additional scientific study details.

6.2 Discussion

The WASC received presentations from the Scientific Studies Program applicants during the WASC meetings on December 10, 2024 and January 14, 2025. The District hired CASC Engineering to provide independent, rapid, and unbiased evaluation (summary) of the technical adequacy of each scientific study proposal, which were shared with the project applicants and WASC members. The WASC decided to recommend funding The Application of Innovative Technology for Microbiological Testing in the Los Cerritos Channel Watershed, Maximizing Impact of Minimum Control Measures, and Next Gen Bioretention: Towards Living and Adaptive Stormwater Systems for a Resilient Los Angeles County.

7 Previously Approved Projects, Project Concepts, and Scientific Studies

All previously approved Projects, Project concepts, and Studies were evaluated as described above in Section 3 Summary of Meetings and Process.

PW received 3 PMR forms from previously approved Projects and Studies for this Watershed Area. Please refer to the PMR Guidelines for more details.

Below are lists of previously approved Infrastructure Program Projects, Technical Resources Program Project concepts, and Scientific Studies recommended in the SIP for this Watershed Area. Projects, Project concepts, and Studies that are still active and continuing as previously approved are shown in white.

Table 7-1. Summary of previously approved Infrastructure Program Projects

Project Name	Project Developer	SIP Year	Status of Funded Activity	Phase(s)	Remaining Funding Request
Skylinks Golf Course at Wardlow Stormwater Capture Project	City of Long Beach	FY20-21	Continuing with Modifications	Planning, Design, Construction	$2,986,120.00
Adventure Park Multi Benefit Stormwater Capture Project	Los Angeles County Public Works	FY20-21	Continuing	Planning, Design, Construction	$0.00
Bolivar Park	City of Lakewood	FY20-21	Continuing	O & M	$0.00
Mayfair Park	City of Lakewood	FY20-21	Continuing	O & M	$0.00
Caruthers Park	City of Bellflower	FY20-21	Continuing	O & M	$0.00
Hermosillo Park	City of Norwalk	FY20-21	Continuing with Modifications	Planning, Design, Construction	$20,577,101.00
El Dorado Regional Project	City of Long Beach	FY20-21	Continuing	Planning, Design	$0.00
Bellflower Simms Park Stormwater Capture Project	City of Bellflower	FY21-22	Continuing	Design	$0.00
Cerritos Sports Complex	City of Cerritos	FY21-22	Continuing	Planning, Design	$0.00
York Field Stormwater Capture Project	City of Whittier	FY22-23	Continuing	Design	$0.00
Bellflower Simms Park Stormwater Capture Project (Construc-tion)	City of Bellflower	FY22-23	Continuing	Construction	$0.00

Project Name	Project Developer	SIP Year	Status of Funded Activity	Phase(s)	Remaining Funding Request
Lakewood Equestrian Center	City of Lakewood	FY22-23	Withdrawn	Design	$0.00
Progress Park Stormwater Capture Project	City of Para-mount	FY23-24	Continuing	Design	$0.00
La Mirada Creek Park Project	City of La Mirada	FY23-24	Continuing	Planning, Design, Construction	$0.00
Heartwell Park at Palo Verde Channel Stormwater Capture Project	City of Long Beach	FY23-24	Continuing	Design, Construction	$1,828,817.00
La Habra Heights Stormwater Treatment and Reuse System The Park Hacienda Road	City of La Habra Heights	FY23-24	Continuing	Planning, Design, Construction	$0.00
Artesia Park Urban Runoff Capture Project	City of Artesia	FY23-24	Continuing	Planning, Design	$0.00
Heartwell Park at Clark Channel Stormwater Capture Project	City of Long Beach	FY24-25	Continuing	Design	$1,432,236.00
Reservoir Park Stormwater Capture Project	City of Signal Hill	FY24-25	Continuing	Design, Construction, Bid/Award	$5,725,035.00

Project Name	Project Developer	SIP Year	Status of Funded Activity	Phase(s)	Remaining Funding Request
Sorensen Park Multi-Benefit Stormwater Capture Project	Los Angeles County Public Works	FY24-25	Continuing	Design	$0.00
Indepen-dence Park Runoff Capture Facility	City of Downey	FY24-25	Continuing	Design	$0.00

Table 7-2. Summary of previously approved TRP Project Concepts

Project Name	Project Applicant	SIP Year	Status of Feasibility Study	Notes
Lower San Gabriel River Watershed Coordinator	Los Angeles County Flood Control District	FY20-21	Continuing	N/A
Sorensen Park Multi-Benefit Stormwater Capture Project	Los Angeles County Public Works	FY21-22	Complete	Submitted to Infrastructure Program FY24-25 and Approved

Table 7-3. Summary of previously approved Scientific Studies

Project Name	Project Developer	SIP Year	Remaining Funding Requested	SIP Status
Gateway Area Pathfinding Analysis (GAP Analysis)	Gateway Water Management Authority	FY21-22	$0.00	Complete
Gateway Area Pathfinding Analysis	Gateway Water	FY22-23	$0.00	Continuing

Project Name	Project Developer	SIP Year	Remaining Funding Requested	SIP Status
(GAP Analysis) - Phase 2	Management Authority			
Microplastics in LA County Stormwater	Dr. Andrew Gray, University of California Riverside	FY22-23	$0.00	Continuing
Regional Pathogen Reduction Study	Gateway Water Management Authority	FY23-24	$653,930.80	Continuing
Targeted Human Waste Source Reduction Strategy to Address Bacteria-Related Compliance Objectives for the Los Cerritos Channel	City of Lakewood	FY23-24	$0.00	Continuing
Identifying Best Practices for Maintaining Stormwater Drywell Capacity	California State Polytechnic University, Pomona	FY24-25	$328,882.00	Continuing

8 Next Steps

To best accelerate the effective adaptive management of the SCWP and ensure the most strategic investments going forward, certain new efforts must be prioritized, while certain existing efforts must be modified so that they can proceed according to evolved information, best practices, and tools. Doing so is a critical aspect for advancing the recently adopted County Water Plan's vision of a shared, inclusive, regional path forward to achieve safe, clean, and reliable water resources sustainably and equitably for Los Angeles County.

PW continues to develop guidance documents, as part of adaptive management efforts, to further inform and support the annual SIP development process. Various tools are regularly updated and maintained to assist with the WASC's decision making. PW is advancing regional and watershed-based planning through the development of Initial Watershed Plans and an online planning tool. The Initial Watershed Plans build upon the SCWP's foundation and support future strategic decision making. The plans align with broader regional and local planning efforts; and will establish baseline of benefits, set quantitative targets, and define tailored strategies and opportunities. Committee members, Municipalities, Project and Program proponents and other interested parties will have the opportunity to use the Plans upon their release in early 2026.

The WASC requests the Regional Oversight Committee (ROC) to advance the recommended SIP to the Board of Supervisors for approval.

Next WASC meeting(s):

- July 8, 2025 from 10:00 am – 12:00 pm (to consider ROC feedback, if available)
- Additional meeting to be scheduled to consider ROC feedback, if necessary.

Attachment A
Final Recommended SIP

Watershed Area	Lower San Gabriel River
Included in SIP?	Yes

Row Labels	Project Lead	DAC	FY 25-26 Budget	FY 26-27 Projection	FY 27-28 Projection	FY 28-29 Projection	FY 29-30 Projection	Anticipated SCW Funding FY 25-30
FY20-21								
Infrastructure Project			**$10,250,097.00**	**$13,313,124.00**	**$0.00**	**$0.00**	**$0.00**	**$23,563,221.00**
Hermosillo Park	**City of Norwalk**	Yes	$7,263,977.00	$13,313,124.00	$0.00	$0.00	$0.00	$20,577,101.00
Skylinks Golf Course at Wardlow Stormwater Capture Project	**City of Long Beach**	No	$2,986,120.00	$0.00	$0.00	$0.00	$0.00	$2,986,120.00
Technical Resource			**$200,000.00**	**$200,000.00**	**$200,000.00**	**$200,000.00**	**$200,000.00**	**$1,000,000.00**
Lower San Gabriel River Watershed Coordinator WC: TBD	**Los Angeles County Flood Control District**	No	$200,000.00	$200,000.00	$200,000.00	$200,000.00	$200,000.00	$1,000,000.00
FY23-24								
Infrastructure Project			**$1,828,817.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$1,828,817.00**
Heartwell Park at Palo Verde Channel Stormwater Capture Project	**City of Long Beach**	No	$1,828,817.00	$0.00	$0.00	$0.00	$0.00	$1,828,817.00
Scientific Study			**$265,017.24**	**$288,184.85**	**$100,728.71**	**$0.00**	**$0.00**	**$653,930.80**
Regional Pathogen Reduction Study	**Gateway Water Management Authority**	No	$265,017.24	$288,184.85	$100,728.71	$0.00	$0.00	$653,930.80
FY24-25								
Infrastructure Project			**$3,350,581.00**	**$1,903,345.00**	**$1,903,345.00**	**$0.00**	**$0.00**	**$7,157,271.00**
Heartwell Park at Clark Channel Stormwater Capture Project	**City of Long Beach**	Yes	$1,432,236.00	$0.00	$0.00	$0.00	$0.00	$1,432,236.00
Reservoir Park Stormwater Capture Project	**City of Signal Hill**	No	$1,918,345.00	$1,903,345.00	$1,903,345.00	$0.00	$0.00	$5,725,035.00
Scientific Study			**$81,181.00**	**$82,176.00**	**$80,937.00**	**$84,588.00**	**$0.00**	**$328,882.00**
Identifying Best Practices for Maintaining Stormwater Drywell Capacity	**California State Polytechnic University, Pomona**	No	$81,181.00	$82,176.00	$80,937.00	$84,588.00	$0.00	$328,882.00
FY25-26								
Scientific Study			**$1,026,124.00**	**$623,810.00**	**$292,196.00**	**$0.00**	**$0.00**	**$1,942,130.00**
Maximizing Impact of Minimum Control Measures	**Not Yet Decided**	No	$360,000.00	$0.00	$0.00	$0.00	$0.00	$360,000.00
Next Gen Bioretention: Towards Living and Adaptive Stormwater Systems for a Resilient Los Angeles County	**TreePeople**	No	$227,807.00	$238,441.00	$0.00	$0.00	$0.00	$466,248.00
The Application of Innovative Technology for Microbiological Testing in the Los Cerritos Channel Watershed	**Not Yet Decided**	No	$438,317.00	$385,369.00	$292,196.00	$0.00	$0.00	$1,115,882.00
Grand Total			**$17,001,817.24**	**$16,410,639.85**	**$2,577,206.71**	**$284,588.00**	**$200,000.00**	**$36,474,251.80**

Attachment B
Summary to Date

Watershed Area	Lower San Gabriel River
Included in SIP?	Yes

Row Labels	Project Lead	DAC	FY 20-21 Budget	FY 21-22 Budget	FY 22-23 Budget	FY 23-24 Budget	FY 24-25 Budget	FY 25-26 Budget	FY 26-27 Projection	FY 27-28 Projection	FY 28-29 Projection	FY 29-30 Projection	Total Anticipated SCW Funding	Total Cost Share
FY20-21			**$7,260,594.00**	**$11,926,907.00**	**$9,621,433.00**	**$3,621,433.00**	**$8,343,538.00**	**$10,450,097.00**	**$13,513,124.00**	**$200,000.00**	**$200,000.00**	**$200,000.00**	**$65,337,126.00**	**$54,100,000.00**
Infrastructure Project			**$7,060,594.00**	**$11,726,907.00**	**$9,421,433.00**	**$3,421,433.00**	**$8,143,538.00**	**$10,250,097.00**	**$13,313,124.00**	**$0.00**	**$0.00**	**$0.00**	**$63,337,126.00**	**$54,100,000.00**
Adventure Park Multi Benefit Stormwater Capture Project	Los Angeles County Public Works	Yes	$2,000,000.00	$5,500,000.00	$6,000,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$13,500,000.00	$15,000,000.00
Bolivar Park	City of Lakewood	Yes	$473,000.00	$198,225.00	$198,225.00	$198,225.00	$198,225.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,265,900.00	$11,000,000.00
Caruthers Park	City of Bellflower	Yes	$147,000.00	$177,000.00	$177,000.00	$177,000.00	$177,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$855,000.00	$13,000,000.00
El Dorado Regional Project	City of Long Beach	Yes	$900,000.00	$2,100,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$3,000,000.00	$100,000.00
Hermosillo Park	City of Norwalk	Yes	$2,240,000.00	$1,860,000.00	$0.00	$0.00	$5,340,000.00	$7,263,977.00	$13,313,124.00	$0.00	$0.00	$0.00	$30,017,101.00	$0.00
Mayfair Park	City of Lakewood	Yes	$253,225.00	$253,225.00	$253,225.00	$253,225.00	$253,225.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,266,125.00	$15,000,000.00
Skylinks Golf Course at Wardlow Stormwater Capture Project	City of Long Beach	No	$1,047,369.00	$1,638,457.00	$2,792,983.00	$2,792,983.00	$2,175,088.00	$2,986,120.00	$0.00	$0.00	$0.00	$0.00	$13,433,000.00	$0.00
Technical Resource			**$200,000.00**	**$200,000.00**	**$200,000.00**	**$200,000.00**	**$200,000.00**	**$200,000.00**	**$200,000.00**	**$200,000.00**	**$200,000.00**	**$200,000.00**	**$2,000,000.00**	**$0.00**
Lower San Gabriel River Watershed Coordinator WC: TBD	Los Angeles County Flood Control District	No	$200,000.00	$200,000.00	$200,000.00	$200,000.00	$200,000.00	$200,000.00	$200,000.00	$200,000.00	$200,000.00	$200,000.00	$2,000,000.00	$0.00
FY21-22				**$4,457,787.00**	**$467,200.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$4,924,987.00**	**$5,600,000.00**
Infrastructure Project				**$4,082,787.00**	**$467,200.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$4,549,987.00**	**$5,600,000.00**
Bellflower Simms Park Stormwater Capture Project	City of Bellflower	Yes		$2,141,987.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,141,987.00	$5,600,000.00
Cerritos Sports Complex	City of Cerritos	Yes		$1,940,800.00	$467,200.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,408,000.00	$0.00
Scientific Study				**$75,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$75,000.00**	**$0.00**
Gateway Area Pathfinding Analysis (GAP Analysis)	Gateway Water Management Authority	No		$75,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$75,000.00	$0.00
Technical Resource				**$300,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$300,000.00**	**$0.00**
Sorensen Park Multi-Benefit Stormwater Capture Project	Los Angeles County Public Works	Yes		$300,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$300,000.00	$0.00
FY22-23					**$5,939,233.75**	**$5,602,012.50**	**$5,591,720.25**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$17,132,966.50**	**$1,965,879.12**
Infrastructure Project					**$5,624,075.00**	**$5,515,570.00**	**$5,515,570.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$16,655,215.00**	**$1,896,600.00**
Bellflower Simms Park Stormwater Capture Project (Construction)	City of Bellflower	Yes			$2,635,561.00	$5,515,570.00	$5,515,570.00	$0.00	$0.00	$0.00	$0.00	$0.00	$13,666,701.00	$900,000.00
Lakewood Equestrian Center	City of Lakewood	Yes			$1,114,794.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,114,794.00	$371,600.00
York Field Stormwater Capture Project	City of Whittier	Yes			$1,873,720.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,873,720.00	$625,000.00
Scientific Study					**$315,158.75**	**$86,442.50**	**$76,150.25**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$477,751.50**	**$69,279.12**
Gateway Area Pathfinding Analysis (GAP Analysis) - Phase 2	Gateway Water Management Authority	No			$230,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$230,000.00	$0.00
Microplastics in LA County Stormwater	Dr. Andrew Gray, University of California Riverside	No			$85,158.75	$86,442.50	$76,150.25	$0.00	$0.00	$0.00	$0.00	$0.00	$247,751.50	$69,279.12
FY23-24						**$11,476,106.54**	**$1,025,465.78**	**$2,093,834.24**	**$288,184.85**	**$100,728.71**	**$0.00**	**$0.00**	**$14,984,320.12**	**$1,416,258.00**
Infrastructure Project						**$11,256,937.00**	**$416,279.00**	**$1,828,817.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$13,502,033.00**	**$1,416,258.00**
Artesia Park Urban Runoff Capture Project	City of Artesia	Yes				$1,568,876.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,568,876.00	$0.00
Heartwell Park at Palo Verde Channel Stormwater Capture Project	City of Long Beach	No				$1,485,048.00	$0.00	$1,828,817.00	$0.00	$0.00	$0.00	$0.00	$3,313,865.00	$172,258.00
La Habra Heights Stormwater Treatment and Reuse System The Park Hacienda Road	City of La Habra Heights	Yes				$289,069.00	$416,279.00	$0.00	$0.00	$0.00	$0.00	$0.00	$705,348.00	$236,000.00
La Mirada Creek Park Project	City of La Mirada	No				$5,752,200.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$5,752,200.00	$1,008,000.00
Progress Park Stormwater Capture Project	City of Paramount	Yes				$2,161,744.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,161,744.00	$0.00
Scientific Study						**$219,169.54**	**$609,186.78**	**$265,017.24**	**$288,184.85**	**$100,728.71**	**$0.00**	**$0.00**	**$1,482,287.12**	**$0.00**
Regional Pathogen Reduction Study	Gateway Water Management Authority	No				$44,169.54	$309,186.78	$265,017.24	$288,184.85	$100,728.71	$0.00	$0.00	$1,007,287.12	$0.00
Targeted Human Waste Source Reduction Strategy to Address Bacteria-Related Compliance Objectives for the Los Cerritos Channel	City of Lakewood	No				$175,000.00	$300,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$475,000.00	$0.00
FY24-25							**$5,391,118.00**	**$3,431,762.00**	**$1,985,521.00**	**$1,984,282.00**	**$84,588.00**	**$0.00**	**$12,877,271.00**	**$1,616,592.00**
Infrastructure Project							**$5,311,129.00**	**$3,350,581.00**	**$1,903,345.00**	**$1,903,345.00**	**$0.00**	**$0.00**	**$12,468,400.00**	**$1,616,592.00**
Heartwell Park at Clark Channel Stormwater Capture Project	City of Long Beach	Yes					$1,432,236.00	$1,432,236.00	$0.00	$0.00	$0.00	$0.00	$2,864,472.00	$0.00
Independence Park Runoff Capture Facility	City of Downey	No					$1,310,458.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,310,458.00	$0.00
Reservoir Park Stormwater Capture Project	City of Signal Hill	No					$951,843.00	$1,918,345.00	$1,903,345.00	$1,903,345.00	$0.00	$0.00	$6,676,878.00	$0.00
Sorensen Park Multi-Benefit Stormwater Capture Project	Los Angeles County Public Works	Yes					$1,616,592.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,616,592.00	$1,616,592.00
Scientific Study							**$79,989.00**	**$81,181.00**	**$82,176.00**	**$80,937.00**	**$84,588.00**	**$0.00**	**$408,871.00**	**$0.00**
Identifying Best Practices for Maintaining Stormwater Drywell Capacity	California State Polytechnic University, Pomona	No					$79,989.00	$81,181.00	$82,176.00	$80,937.00	$84,588.00	$0.00	$408,871.00	$0.00
FY25-26								**$1,026,124.00**	**$623,810.00**	**$292,196.00**	**$0.00**	**$0.00**	**$1,942,130.00**	**$0.00**
Scientific Study								**$1,026,124.00**	**$623,810.00**	**$292,196.00**	**$0.00**	**$0.00**	**$1,942,130.00**	**$0.00**
Maximizing Impact of Minimum Control Measures	Not Yet Decided	No						$360,000.00	$0.00	$0.00	$0.00	$0.00	$360,000.00	$0.00
Next Gen Bioretention: Towards Living and Adaptive Stormwater Systems for a Resilient Los Angeles County	TreePeople	No						$227,807.00	$238,441.00	$0.00	$0.00	$0.00	$466,248.00	$0.00
The Application of Innovative Technology for Microbiological Testing in the Los Cerritos Channel Watershed	Not Yet Decided	No						$438,317.00	$385,369.00	$292,196.00	$0.00	$0.00	$1,115,882.00	$0.00
Grand Total			**$7,260,594.00**	**$16,384,694.00**	**$16,027,866.75**	**$20,699,552.04**	**$20,351,842.03**	**$17,001,817.24**	**$16,410,639.85**	**$2,577,206.71**	**$284,588.00**	**$200,000.00**	**$117,198,800.62**	**$64,698,729.12**

Attachment C
Project Modification Request Forms

ATTACHMENT A: Project Modification Request (PMR) Form

The purpose of this PMR form is to initiate the Project modification process and provide the SCWP with information necessary to evaluate the Project modification request.

Regional Program	☐Infrastructure Program Project ☑Scientific Studies Program ☐Technical Resources Program
Project/Study Name	Targeted Human Waste Source Reduction Strategy to Address Bacteria-Related Compliance Objectives for the LCC
Project/Study Lead	Gateway Water Management Authority
Watershed Area(s)	Lower San Gabriel River
Current Project Phase	Initiating Year 1 of Scientific Study
Estimated Completion Date of Funded Activity	6/30/2026
Approved Stormwater Investment Plan Fiscal Year	FY23-24
Transfer Agreement ID (e.g., 2020RPULAR52)	2023RPLSGR50

Has the Transfer Agreement or most recent Addendum been executed (i.e., signed by the project lead and the District)? ☑ Yes ☐ No

What type(s) of modification request?

☐ like-for-like modifications
☐ functionally equivalent BMP modifications
☐ modifications to Project or Study components that were not material to the WASC, ROC, or Board's decision to include the Project or Study in the SIP
☐ reallocation of annual funding projections in the SIP, provided that the total amount of Regional Program funding for the Project or Study remains unchanged
☐ change in primary or secondary objective
☐ change in Project benefits
☐ change in methodology (e.g., infiltration instead of diversion to sanitary sewer)
☐ decrease in BMP capacity
☐ change in Project or Study location
☐ change in capture area where benefits claimed are diminished or where there is a change in the municipalities that are receiving benefits
☐ updated engineering analysis resulting in a reduction of benefits
☐ increase in community support
☐ reduction or withdrawal of community support
☐ change in amount or status of leveraged funding
☐ any modification resulting in an increase of the total amount of Regional Program funding for the Project or Study
☐ any modification resulting in a decrease of the estimated total amount of Regional Program funding for the Project or Study
☑ other, please describe:

Original schedule delayed due to delay in Transfer Agreement and fund disbursement from assumed NTP.

Impact on scope or benefits?

☐ Improved
☐ Diminished
☑ Neither
☐ Not Sure

Description of the proposed modification(s), a comparison to the previously approved Project, and the reason(s) why the modification(s) is/are being proposed. Attach additional pages, as needed.

The schedule is delayed by approximately 1 year from the original schedule in the study application based on a delay in the Transfer Agreement and fund disbursement from the original assumed NTP. There are no other causes for the delay or change in scope to the study.

Refer to the attached schedule update.

If applicable, list previously approved funding allocations/disbursements and revised funding request:

Note, if some or all of a previously Funded Activity cannot be completed as a result of the proposed modification, please include a description and indicate the amount of unused funds. Any unused funds should be reallocated and accounted for in your revised funding request. Attach additional pages, as needed.

SIP Fiscal Year	Approved Funding Allocations	Increase/ Decrease Requested	Revised Funding Request	Description/Phase/Status *If applicable, include description of unused funds*
		Not Applicable		
TOTAL				

A: Approved Total Funding Allocations	
B: Revised Estimate of Total Funding from Regional Program	Not Applicable
Regional Program Funds Received to date	
Regional Program Expenditures to date	
Difference between B and A	
Percent change between B and A	

Would the additional funding request be the only option that would allow the project to be implemented? Please describe.	☐ YES
N/A	
Would delaying funding allocations impact the project's ability to be implemented? Please describe.	☐ YES
N/A	
Would funding only a portion of the additional funding request impact the project's ability to be implemented? Please describe.	☐ YES
N/A	
Has the Recipient considered other funding sources? Please describe. Include type of funding, status, and amount.	☐ YES
N/A	

If applicable, a description of difference in SCWP Anticipated Total Funding Request. As a reminder, annual funding is at the discretion of the WASC, ROC, and ultimately the Board of Supervisors. Attach additional pages, as needed.

N/A

Brief description of Supporting Documentation provided. Please include any documentation needed to support benefits claimed by the modified Project or Study and confirm compliance with the Feasibility Study Guidelines.

Revised schedule, compared to previous milestones, based on the delay in NTP.

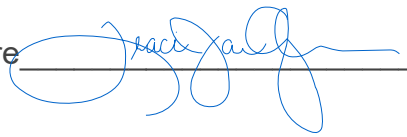
Contact information of persons who should be included in correspondence with the SCWP regarding this Project or Study. Attach additional pages, as needed.

Name	Title	Email Address
Grace Kast	Executive Officer	gracekast.gateway@gmail.com
Traci Gleason	Program Manager	tgleason.gateway@gmail.com
Brianna Datti	Director of Science & Policy	brianna.datti@craftwater.com

I certify the information and supporting documentation provided is accurate and true.	☑ YES
I certify the modified Project complies with all requirements described in the Feasibility Study Guidelines.	☑ YES
I understand this is a request and it is under the WASC's discretion to consider requested modifications.	☑ YES

Name Traci Gleason

Organization Gateway Water Management Authority

Signature 

Date 10/31/24

FOR SCWP STAFF USE ONLY

Proposed Modifications to Projects or Studies:

	Status	Date
Scope/benefits of the modified Project or Study is **consistent** with the Project or Study included in the current fiscal year's SIP and proposed modifications were **approved** by the SCWP.	☑ YES	1/7/2025
Scope/benefits of the modified Project or Study **requires reapproval in the SIP**. **If yes, select all that apply**:	☐ YES	
Budget/schedule modifications would impact future SIP funding allocations. **If yes, select all that apply**:	☐ YES	
PMR was received **after** October 31 of a fiscal year and the PMR will be considered for approval during the preparation of **subsequent** SIP for the fiscal year after the next	☐ YES	-
Project or Study **abandoned** the proposed modifications	☐ YES	
Projector or Study was **withdrawn** from consideration by the WASC and shall issue repayment of unspent funds	☐ YES	
Proposed **scope/benefit** modifications were **recommended for approval** in the SIP	☐ YES ☐ NO ☐ N/A	
Modifications to the Project or Study's **funding allocations** were **recommended for approval** as identified in the SIP	☐ YES ☐ PARTIAL ☐ NO	

Proposed Modifications to Project Concepts:

	Status	Date
Proposed modifications were deemed **consistent** with the Project concept that was approved by the WASC, ROC and Board for inclusion in the SIP and can be addressed within the existing budget. SCWP staff will proceed to incorporate the proposed modification into the Feasibility Study immediately.	☐ YES	
Proposed modifications were deemed significant enough to result in a **significantly different** Project concept from the one approved by the WASC, ROC and Board for inclusion in the SIP. **If yes, select one:**	☐ YES	
SCWP staff to **discontinue** work on the Feasibility Study, return unused funds to be programmed in the SIP for the next fiscal year, and advise the proponent to submit the modified Project concept during the Call for Projects for a future fiscal year.	☐ YES	-
SCWP staff to **abandon** the proposed modifications and proceed with the Project concept included in the SIP.	☐ YES	-

SCHEDULE UPDATE

The schedule update is summarized in **Table 1**. Updates to milestones are based on an actual NTP of September 6, 2024 (as compared to the previous assumed NTP of December 1, 2023).

Table 1. Scientific Study Schedule

Task	Task Name	Original SOW Milestone	Revised SOW Milestone
1	Project Management	Ongoing through 6/30/2025	Ongoing through 6/30/2026
2	Catchment Prioritization (includes assessment of water quality conditions)	March 29, 2024	December 31, 2024
2	Refined Catchment Prioritization	December 31, 2024	December 31, 2025
3	Targeted Human Waste Source Reduction Strategy	June 28, 2024	May 12, 2025
4	Source Identification & Abatement in Selected Areas of Investigation	June 30, 2025	June 30, 2026
5	Outreach & Education	Ongoing through 6/30/2025	Ongoing through 6/30/2026

ATTACHMENT A: Project Modification Request (PMR) Form

The purpose of this PMR form is to initiate the Project modification process and provide the SCWP with information necessary to evaluate the Project modification request.

Regional Program	☑Infrastructure Program Project ☐Scientific Studies Program ☐Technical Resources Program
Project/Study Name	Hermosillo Park Stormwater Capture and Infiltration Project
Project/Study Lead	City of Norwalk
Watershed Area(s)	Lower San Gabriel River
Current Project Phase	Design - Build
Estimated Completion Date of Funded Activity	June 2027
Approved Stormwater Investment Plan Fiscal Year	FY 20/21
Transfer Agreement ID (e.g., 2020RPULAR52)	2020RPLSGR03

Has the Transfer Agreement or most recent Addendum been executed (i.e., signed by the project lead and the District)? ☑ Yes ☐ No

What type(s) of modification request?

☐ like-for-like modifications
☐ functionally equivalent BMP modifications
☐ modifications to Project or Study components that were not material to the WASC, ROC, or Board's decision to include the Project or Study in the SIP
☐ reallocation of annual funding projections in the SIP, provided that the total amount of Regional Program funding for the Project or Study remains unchanged
☐ change in primary or secondary objective
☐ change in Project benefits
☐ change in methodology (e.g., infiltration instead of diversion to sanitary sewer)
☐ decrease in BMP capacity
☐ change in Project or Study location
☐ change in capture area where benefits claimed are diminished or where there is a change in the municipalities that are receiving benefits
☐ updated engineering analysis resulting in a reduction of benefits
☐ increase in community support
☐ reduction or withdrawal of community support
☐ change in amount or status of leveraged funding
☑ any modification resulting in an increase of the total amount of Regional Program funding for the Project or Study
☐ any modification resulting in a decrease of the estimated total amount of Regional Program funding for the Project or Study
☐ other, please describe:

Impact on scope or benefits?

☐ Improved
☐ Diminished
☑ Neither
☐ Not Sure

Description of the proposed modification(s), a comparison to the previously approved Project, and the reason(s) why the modification(s) is/are being proposed. Attach additional pages, as needed.

The City of Norwalk executed a contract with Reyes Construction to provide design-build services to implement the Hermosillo Park Project. Leading up to 35% engineering design of the project, the design-builder obtained technical requirements for diversion and discharge from and to existing storm drains operated by LA County Flood Control District. Minor revisions to the project concept was necessary to comply with Flood Control's technical requirements. The overall project scope and projected benefits remain consistent with the project concept. The most significant design change is consolidation of two small subsurface detention basins, modifying the diversion from gravity flow to pumped, and shifting the diversion pipe from Algardi Street to 161st Street. The design-builder provided the 35% plans and construction cost estimate on August 16, 2024. Upon review of the 35% submittal, the City was made aware of a significant funding gap between the construction cost estimate and project budget estimate from Transfer Agreement 2020RPLSGR03. The funding gap is approximately $9.9 million dollar stemming primarily from cost escalation due to inflation from 2020 Covid pandemic to present. The project budget estimate was developed in 2018 and incorporated into the Measure W grant application for the project.

If applicable, list previously approved funding allocations/disbursements and revised funding request:

Note, if some or all of a previously Funded Activity cannot be completed as a result of the proposed modification, please include a description and indicate the amount of unused funds. Any unused funds should be reallocated and accounted for in your revised funding request. Attach additional pages, as needed.

SIP Fiscal Year	Approved Funding Allocations	Increase/ Decrease Requested	Revised Funding Request	Description/Phase/Status *If applicable, include description of unused funds*
20/21	$20,110,000			TA Approved Budget
25/26		$1,923,977	$22,033,677	Year 1 Cont. Cost Increase
26/27		$7,983,124	$30,017,101	Year 2 Const. Cost Increase
TOTAL	$20,110,000	$9,907,101	$30,017,101	

A: Approved Total Funding Allocations	$20,110,000
B: Revised Estimate of Total Funding from Regional Program	$30,017,101
Regional Program Funds Received to date	$2,240,000
Regional Program Expenditures to date	$160,360
Difference between B and A	$9,907,101
Percent change between B and A	49.3%

Would the additional funding request be the only option that would allow the project to be implemented? Please describe.	☑ YES
This design-build project is currently in design. Current estimate shows significant cost increases due to escalation mainly caused by pandemic impacts resulting in labor and materials cost increases which creates a funding gap from when the project estimate was developed in 2018. Additional funding is required to complete construction beyond year 2.	
Would delaying funding allocations impact the project's ability to be implemented? Please describe.	☑ YES
This design-build project is currently in design. Delay in funding would increase the construction schedule beyond year 2 and may increase construction cost due to mobilization, demobilization and materials costs. Also, it puts in jeopardy Proposition 68 funds currently allocated to this combined project which includes scope to rehabilitate the existing park situated directly above the SCW project.	
Would funding only a portion of the additional funding request impact the project's ability to be implemented? Please describe.	☑ YES
Any remaining funding gap will impact construction starting year 2. The city will likely not start construction if there's insufficient funding for construction. Project requires contractor to procure large quantity of pre-cast concrete cells at the start of construction. Starting construction and pausing at year 2 will create logistics issues with delivery and storing the concrete cells. Also, delay will jeopardize Proposition 68 funds currently allocated to this combined project which includes scope to rehabilitate the existing park situated directly above the SCW project.	
Has the Recipient considered other funding sources? Please describe. Include type of funding, status, and amount.	☑ YES
The city is actively seeking other funding sources, but to date no alternate funds have been identified or secured.	

If applicable, a description of difference in SCWP Anticipated Total Funding Request. As a reminder, annual funding is at the discretion of the WASC, ROC, and ultimately the Board of Supervisors. Attach additional pages, as needed.

Project scope and anticipated benefits remain as described in the preliminary engineering report. The cost increase at 35% design is attributed to inflation over the recent years relative to the preliminary project cost estimate developed in 2018.

Brief description of Supporting Documentation provided. Please include any documentation needed to support benefits claimed by the modified Project or Study and confirm compliance with the Feasibility Study Guidelines.

See attached summary table of 35% project cost estimate.

Contact information of persons who should be included in correspondence with the SCWP regarding this Project or Study. Attach additional pages, as needed.

Name	Title	Email Address
Mario Mera	Engineering Manager	mmera@norwalkca.gov
Run Chen, P.E., PMP	Principal Civil Engineer	rchen@norwalkca.gov

I certify the information and supporting documentation provided is accurate and true.	☑ YES
I certify the modified Project complies with all requirements described in the Feasibility Study Guidelines.	☑ YES
I understand this is a request and it is under the WASC's discretion to consider requested modifications.	☑ YES

Name Run Chen, P.E. Organization City of Norwalk

Signature  Date 10/17/24

FOR SCWP STAFF USE ONLY

Proposed Modifications to Projects or Studies:

	Status	Date
Scope/benefits of the modified Project or Study is **consistent** with the Project or Study included in the current fiscal year's SIP and proposed modifications were **approved** by the SCWP.	☐ YES	
Scope/benefits of the modified Project or Study **requires reapproval in the SIP**. **If yes, select all that apply**:	☑ YES	1/17/2025
Budget/schedule modifications would impact future SIP funding allocations. **If yes, select all that apply**:	☑ YES	1/17/2025
PMR was received **after** October 31 of a fiscal year and the PMR will be considered for approval during the preparation of **subsequent** SIP for the fiscal year after the next	☐ YES	-
Project or Study **abandoned** the proposed modifications	☐ YES	
Projector or Study was **withdrawn** from consideration by the WASC and shall issue repayment of unspent funds	☐ YES	
Proposed **scope/benefit** modifications were **recommended for approval** in the SIP	☑ YES ☐ NO ☐ N/A	3/11/2025
Modifications to the Project or Study's **funding allocations** were **recommended for approval** as identified in the SIP	☑ YES ☐ PARTIAL ☐ NO	3/11/2025

Proposed Modifications to Project Concepts:

	Status	Date
Proposed modifications were deemed **consistent** with the Project concept that was approved by the WASC, ROC and Board for inclusion in the SIP and can be addressed within the existing budget. SCWP staff will proceed to incorporate the proposed modification into the Feasibility Study immediately.	☐ YES	
Proposed modifications were deemed significant enough to result in a **significantly different** Project concept from the one approved by the WASC, ROC and Board for inclusion in the SIP. **If yes, select one:**	☐ YES	
SCWP staff to **discontinue** work on the Feasibility Study, return unused funds to be programmed in the SIP for the next fiscal year, and advise the proponent to submit the modified Project concept during the Call for Projects for a future fiscal year.	☐ YES	-
SCWP staff to **abandon** the proposed modifications and proceed with the Project concept included in the SIP.	☐ YES	-

City of Norwalk - Hermosillo Park Rehabilitation, Stormwater Capture & Infiltation Project
Stormwater Capture & Infiltration Expendatures (Based on 35% Estimate)

Year 0 (2024)	Estimated Costs	Contingency (15%)	Total Estimated Costs w/ Contingency
Design	$ 1,300,000.00	$ 195,000.00	$ 1,495,000.00
Total	**$ 1,300,000.00**	**$ 195,000.00**	**$ 1,495,000.00**

Year 1 (2025)	Estimated Costs	Contingency (15%)	Total Estimated Costs w/ Contingency
Design	$ 600,000.00	$ 90,000.00	$ 690,000.00
Designer Construction Support	$ 178,549.70	$ 26,782.46	$ 205,332.16
Demo & Clearing/ Grubbing/ Earthwork	$ 635,161.60	$ 95,274.24	$ 730,435.84
Excavation & Shoring	$ 2,209,753.50	$ 331,463.03	$ 2,541,216.53
Storm Capture Mechanical	$ 3,184,920.70	$ 477,738.11	$ 3,662,658.81
Storm Capture System	$ 10,561,719.75	$ 1,584,257.96	$ 12,145,977.71
Electrical System & Commissioning	$ 489,613.60	$ 73,442.04	$ 563,055.64
Total	**$ 17,859,718.85**	**$ 2,678,957.83**	**$ 20,538,676.68**

Year 2 (2026)	Estimated Costs	Contingency (15%)	Total Estimated Costs w/ Contingency
Design	$ -	$ -	$ -
Designer Construction Support	$ 76,521.30	$ 11,478.20	$ 87,999.50
Demo & Clearing/ Grubbing/ Earthwork	$ 158,790.40	$ 23,818.56	$ 182,608.96
Excavation & Shoring	$ 736,584.50	$ 110,487.68	$ 847,072.18
Storm Capture Mechanical	$ 1,714,957.30	$ 257,243.60	$ 1,972,200.90
Storm Capture System	$ 3,520,573.25	$ 528,085.99	$ 4,048,659.24
Electrical System & Commissioning	$ 734,420.40	$ 110,163.06	$ 844,583.46
	$ 6,941,847.15	**$ 1,041,277.07**	**$ 7,983,124.22**

DGS California Construction Cost Index CCCI

Client agencies can find current construction cost index for California by the Real Estate Services Division.

The California Construction Cost Index (CCCI) is developed based upon Building Cost Index (BCI) cost indices average for San Francisco and Los Angeles ONLY as produced by Engineering News Record (ENR) and reported in the second issue each month.

The current five year CCCI table is updated the 2nd half of the month for the current month. The ENR BCI reports cost trends for specific construction trade labor and materials in the California market and does not reflect current market bidding environment. Prior to July 1991, CCCI was recorded quarterly, all months post July 1991 are calculated based on the ENR BCI reports and recorded for each month.

California Construction Cost Index 2021-2025

Month	2025	2024	2023	2022	2021
January		9680	9246	8151	7090
February		9692	9166	8293	7102
March		9660	9118	8736	7130
April		9688	9026	8903	7150
May		9655	9621	9001	7712
June		9651	9508	8925	7746
July		9646	9526	9110	7892
August		9749	9560	8729	8122
September		9751	9592	8604	7900
October		9785	9654	8712	8080
November			9682	8765	8141
December			9654	8823	8072

Month	2025	2024	2023	2022	2021
Annual % *			9.4%	9.3%	13.4%

**Annual Percentage is calculated from December to December.*

HISTORIC CALIFORNIA CONSTRUCTION COST INDEX

Expand All

CALIFORNIA CONSTRUCTION COST INDEX 2016-2020

Month	2020	2019	2018	2017	2016
January	6995	6684	6596	6373	6106
February	6945	6700	6596	6373	6132
March	6947	6616	6596	6373	6248
April	6955	6841	6596	6461	6249
May	6958	6852	6596	6455	6240
June	7041	6854	6598	6470	6238
July	6984	6854	6643	6474	6245
August	6988	6823	6613	6620	6244
September	7036	6814	6674	6620	6267
October	7120	6851	6679	6596	6343
November	7123	6895	6679	6596	6344
December	7120	6924	6684	6596	6373
Annual % *	2.8%	3.6%	1.3%	3.5%	4.4%

**Annual Percentage is calculated from December to December.*

CALIFORNIA CONSTRUCTION COST INDEX 2011-2015

CALIFORNIA CONSTRUCTION COST INDEX 2006-2010

CALIFORNIA CONSTRUCTION COST INDEX 2001-2005

CALIFORNIA CONSTRUCTION COST INDEX 1996-2000

QUESTIONS AND RESOURCES

Have questions about the CCCI, please contact us.

CONTACT

Project Management & Development Branch
Department of General Services
Real Estate Service Division

707 Third St, 4th Floor
West Sacramento, California 95605
Phone: (916) 376-1700
Email: DGSRESDGeneralInquiries@dgs.ca.gov (mailto:DGSRESDGeneralInquiries@dgs.ca.gov)

PLEASE DO NOT SUBMIT PERSONALLY IDENTIFIABLE INFORMATION.

ATTACHMENT A: Project Modification Request (PMR) Form

The purpose of this PMR form is to initiate the Project modification process and provide the SCWP with information necessary to evaluate the Project modification request.

Regional Program	XX☒Infrastructure Program Project ☐Scientific Studies Program ☐Technical Resources Program
Project/Study Name	Skylinks Golf Course at Wardlow Channel Stormwater Capture
Project/Study Lead	City of Long Beach
Watershed Area(s)	Lower San Gabriel River
Current Project Phase	Design
Estimated Completion Date of Funded Activity	Design and CEQA 11/5/2024 - Permitting 3/14/2025
Approved Stormwater Investment Plan Fiscal Year	FY 20-21
Transfer Agreement ID (e.g., 2020RPULAR52)	No. 2020RPLSGR05

Has the Transfer Agreement or most recent Addendum been executed (i.e., signed by the project lead and the District)? X☒ Yes ☐ NNo

What type(s) of modification request?

☐ like-for-like modifications

☐ functionally equivalent BMP modifications

☐ modifications to Project or Study components that were not material to the WASC, ROC, or Board s decision to include the Project or Study in the SIP

☐ reallocation of annual funding projections in the SIP, provided that the total amount of Regional Program funding for the Project or Study remains unchanged

☐ change in primary or secondary objective

☐ change in Project benefits

☐ change in methodology (e.g., infiltration instead of diversion to sanitary sewer)

☐ decrease in BMP capacity

☐ change in Project or Study location

☐ change in capture area where benefits claimed are diminished or where there is a change in the municipalities that are receiving benefits

☐ updated engineering analysis resulting in a reduction of benefits

☐ increase in community support

☐ reduction or withdrawal of community support

☐ change in amount or status of leveraged funding

☒ any modification resulting in an increase of the total amount of Regional Program funding for the Project or Study

☐ any modification resulting in a decrease of the estimated total amount of Regional Program funding for the Project or Study

☐ other, please describe:

Impact on scope or benefits?

☐ Improved

☐ Diminished

☒ Neither

☐ Not Sure

Description of the proposed modification(s), a comparison to the previously approved Project, and the reason(s) why the modification(s) is/are being proposed. Attach additional pages, as needed.

The cost of construction has increased due to inflation. The original construction cost estimate was performed as part of the SCW application in December 2019. There is over 5 years of construction cost increase including the large increase that occurred in 2020 and 2021.

Additionally, through the CEQA process an abandoned water supply well was identified approximately 200 feet east of the project site and just north of Fire Station 19 (3559 Clark Avenue). Although the well is currently inactive and has not been in production since 1986, the current condition of the well casing and sanitary seal are unknown. There is a concern that compromise or deterioration of the well casing and sanitary seal may increase the risk of downward migration of contaminated surface water or shallow groundwater breaching or short-circuiting the well, and contaminating the deeper potable aquifers which feed the other wells in the area. Given the age of the well, it was recommended that the well be decommissioned in accordance with the regulatory agency well decommissioning procedures. An additional construction cost of $250,000 is required to decommission the well.

The City obtained $350,000 in funding from one waterboard fine $175k for 2024 and $175k for 2025 from AES and is expecting to obtain $250,000 from the Long Beach Water, and $1,000,000 from the City of Long Beach Measure W Municipal allocation. The exact amounts will be confirmed with the finalization of City s FY 24/25 budget. The City expects to provide a minimum of 25% match from various sources for the additional fund request.

Currently, the total additional funding needed before construction begins is approximately $4,586,120. The City is requesting an increase of $2,986,120 in funding from the Measure W program. The City of Long Beach requests this additional funding to complete the project and allow construction to begin in Spring of 2025

revised funding request:

Note, if some or all of a previously Funded Activity cannot be completed as a result of the proposed modification, please include a description and indicate the amount of unused funds. Any unused funds should be reallocated and accounted for in your revised funding request. Attach additional pages, as needed.

SIP Fiscal Year	Approved Funding Allocations	Increase/ Decrease Requested	Revised Funding Request	Description/Phase/Status *If applicable, include description of unused funds*
FY20-21	$1,047,369	-	-	Design & Construction
FY21-22	$1,638,457	-	-	Design & Construction
FY22-23	$2,792,983	-	-	Construction
FY23-24	$2,792,983	-	-	Construction
FY24-25	$2,175,088	-	-	Construction
FY25-26	-	$2,986,120	$2,986,120	Construction
TOTAL	$10,446,880	$2,986,120	$13,433,000	

A: Approved Total Funding Allocations	$10,446,880
B: Revised Estimate of Total Funding from Regional Program	$13,433,000
Regional Program Funds Received to date	$1,047,369
Regional Program Expenditures to date	$1,561,407
Difference between B and A	$2,986,120
Percent change between B and A	28.6%

Note: City of Long Beach is providing a $1,600,000 (35.3%) match for the required additional funding ($4,586,120) to complete the project.

Would the additional funding request be the only option that would allow the project to be implemented? Please describe.	☒ YES
Yes, the the project was awarded $10,446,120, and proceeded through design and environmental permitting (CEQA completed with 401, 404, and 1602 Permits expected in March 2025). The project is ready to move forward to construction phase pending the approval of the supplemental funding request as part of the PMR. Due to the large cost inflation and the final design cost estimating updates, the City will require additional funding to complete the project. The increase of approximately $4.5 million exceeds the City's CIP funding contingency. The City is able to provide $1,000,000 of additional funding to support the project through additional funding, but this is not enough to cover the funding gap since approval of the project 4 years ago.	
Would delaying funding allocations impact the project's ability to be implemented? Please describe.	☒ YES
Yes. The City can not formally bid the construction contract for the project until it has the funds to cover the project. There is currently a $4.5 million dollar shortfall after the City's contributions and the use of other funding sources.	
Would funding only a portion of the additional funding request impact the project's ability to be implemented? Please describe.	☒ YES
Yes. The City can not formally bid the construction contract for the project until it has the funds to cover the project. With only a portion of the requested $4.5 million, the City would still not be able to award the construction contract.	
Has the Recipient considered other funding sources? Please describe. Include type of funding, status, and amount.	☒ YES
Yes. In addition to providing it's own contribution of $1,000,000, the City also obtained $250,000 of funding from Long Beach Water for construction support, and a re-allocaton of $350,000 from the Regional Water Board collection of a non-City of Long Beach fines. Additional grant fund from Caltrans was explored, but the tributary drainage does not include any Caltrans eligble property.	

If applicable, a description of difference in SCWP Anticipated Total Funding Request. As a reminder, annual funding is at the discretion of the WASC, ROC, and ultimately the Board of Supervisors. Attach additional pages, as needed.

An additional $2,986,120 is requested for this project, for a revised total funding request of $13,433,000. The City will be contributing up to $1.6 million in supplemental funding through $350,000 from the Los Angeles Regional Water Board, $250,000 from the Long Beach Water, and $1,000,000 from the City of Long Beach Measure W Municipal allocation. Construction on the project cannot begin until additional funding is received.

Brief description of Supporting Documentation provided. Please include any documentation needed to support benefits claimed by the modified Project or Study and confirm compliance with the Feasibility Study Guidelines.

SCW Application Construction Cost estimate of $8,378,950 100% Construction Cost Estimate of $12,872,000

Contact information of persons who should be included in correspondence with the SCWP regarding this Project or Study. Attach additional pages, as needed.

Name	Title	Email Address
Tammy Takigawa, PE, QSP/D	City Civil Engineer	tammy.takigawa@longbeach.gov
Aric Torreyson, PE	Tetra Tech PM	Aric.Torreyson@tetratech.com
Wataru Kumagai	Environmental Specialist	wataru.kumagai@longbeach.gov
Richard Watson	Watershed Consultant	rwatson@rwaplanning.com

I certify the information and supporting documentation provided is accurate and true.	☒ YES
I certify the modified Project complies with all requirements described in the Feasibility Study Guidelines.	☒ YES
I understand this is a request and it is under the WASC's discretion to consider requested modifications.	☒ YES

NName Aric Torreyson

Organination Tetra Tech

Signatur 

Date 10/10/2024

FOR SCWP STAFF SE ONLY

Proposed Modifications to Projects or Studies:

	Status	Date
Scope/benefits of the modified Project or Study is **consistent** with the Project or Study included in the current fiscal year s SIP and proposed modifications were **approved** by the SCWP.	☐ YES	
Scope/benefits of the modified Project or Study **requires reapproval in the SIP**. **If yes, select all that apply**:	☑ YES	1/17/2025
Budget/schedule modifications would impact future SIP funding allocations. **If yes, select all that apply**:	☑ YES	1/17/2025
PMR was received **after** October 31 of a fiscal year and the PMR will be considered for approval during the preparation of **subsequent** SIP for the fiscal year after the next	☐ YES	-
Project or Study **abandoned** the proposed modifications	☐ YES	
Projector or Study was **withdrawn** from consideration by the WASC and shall issue repayment of unspent funds	☐ YES	
Proposed **scope/benefit** modifications were **recommended for approval** in the SIP	☑ YES ☐ NO ☐ N/A	3/11/2025
Modifications to the Project or Study s **funding allocations** were **recommended for approval** as identified in the SIP	☑ YES ☐ PARTIAL ☐ NO	3/11/2025

Proposed Modifications to Project Concepts:

	Status	Date
Proposed modifications were deemed **consistent** with the Project concept that was approved by the WASC, ROC and Board for inclusion in the SIP and can be addressed within the existing budget. SCWP staff will proceed to incorporate the proposed modification into the Feasibility Study immediately.	☐ YES	
Proposed modifications were deemed significant enough to result in a **significantly different** Project concept from the one approved by the WASC, ROC and Board for inclusion in the SIP. **If yes, select one:**	☐ YES	
SCWP staff to **discontinue** work on the Feasibility Study, return unused funds to be programmed in the SIP for the next fiscal year, and advise the proponent to submit the modified Project concept during the Call for Projects for a future fiscal year.	☐ YES	-
SCWP staff to **abandon** the proposed modifications and proceed with the Project concept included in the SIP.	☐ YES	-

SCW Application Cost Estimate Dated 12-19-2019

ATTACHMENT C: ENGINEER'S 10% COST ESTIMATE

SKYLINKS GOLF COURSE OPINION OF PROBABLE CONSTRUCTION COSTS

Client: **City of Long Beach (Skylinks Golf Course)**
Project: **Skylinks Golf Course Feasibility Study - 6.7 AC-FT**
Status: **10% Cost Estimate**

Prepared by: **MMT**
Checked by: **OG**
Date: **12/11/2019**

Description	Qty	Unit	Unit Price	Total
Miscellaneous				**$433,948**
Mobilization / Demobilization (5% of Costs)	1	LS	$418,948.00	$418,948
Traffic Control	1	LS	$15,000.00	$15,000
Channel Diversion and Pretreatment				**$479,367**
Rubber Dam System	1	LS	$150,000.00	$150,000
Concrete Pad	1,500	SF	$10.00	$15,000
Diversion Structure	1	EA	$84,000.00	$84,000
Actuated alve and Structure	2	EA	$25,000.00	$50,000
Pretreatment Device (30 CFS)	1	EA	$125,000.00	$125,000
Shoring for Pretreatment Device	552	SF	$10.00	$5,520
Excavation for Pretreatment Device	61	CY	$30.00	$1,840
Backfill and Compaction for Pretreatment Device	27	CY	$25.00	$671
auling for Pretreatment Device	35	CY	$28.00	$966
Manhole (4' I.D. x 11.5' Depth)	1	EA	$7,000.00	$7,000
Shoring for Manhole	368	SF	$5.00	$1,840
Excavation for Manhole	27	CY	$30.00	$818
Backfill and Compaction for Manhole	22	CY	$25.00	$548
auling for Manhole	5	CY	$28.00	$150
Piping (30 RCP)	55	LF	$80.00	$4,400
Excavation for Piping	105	CY	$8.00	$843
Shoring for Piping	1,265	SF	$5.00	$6,325
Backfill and Compaction for Piping	1,182	CY	$8.00	$9,453
Backfill and Compaction for Piping Base (crushed aggregate)	37	CY	$46.00	$1,687
auling for Piping	47	CY	$28.00	$1,307
Flap Gate	3	EA	$4,000.00	$12,000
Site Preparation and Demolition - Existing Park Area				**$21,070**
Concrete Curb and Gutter Removal	20	LF	$5.00	$100
Clearing & Grubbing	4,660	SY	$4.50	$20,970
Storage				**$4,379,136**
nderground Infiltration Gallery Precast Structures	321,037	CF	$8.50	$2,728,816
Excavation	35,716	CY	$15.00	$535,736
Installation	1	LS	$100,000.00	$100,000
Equalization Pipes (36 RCP)	40	LF	$1,000.00	$40,000
Aggregate Backfill	451	CY	$30.00	$13,542
Subgrade (6 Stone Base with 2' Overhang Around Perimeter)	624	CY	$40.00	$24,961
Backfill and Compaction	21,950	CY	$25.00	$548,744
auling	12,691	CY	$28.00	$355,336
Maintenance ole	2	EA	$16,000.00	$32,000
Wet Well and Conveyance				**$919,717**
Wet Well	1	EA	$20,200.00	$20,200
Wet Well Installation	1	LS	$31,000.00	$31,000
Submersible Pumps and alves	1	LS	$350,000.00	$350,000
Excavation for Wet Well	196	CY	$30.00	$5,875
Shoring for Wet Well	1,410	SF	$30.00	$42,300
Backfill and Compaction for Wet Well	140	CY	$25.00	$3,503
auling for Wet Well	56	CY	$28.00	$1,560
18 DIP to Pump Station	30	LF	$180.00	$5,400
18 DIP to Box Culvert	90	LF	$120.00	$10,800
Excavation for Piping	89	CY	$10.00	$889
Backfill and Compaction for Piping	45	CY	$8.00	$364
Backfill and Compaction for Piping Base (crushed aggregate)	36	CY	$46.00	$1,636
auling for Piping	8	CY	$28.00	$220
Treatment Filter nit	1	EA	$400,000.00	$400,000
Actuated alve and Structure	1	EA	$25,000.00	$25,000
unction Manhole	1	EA	$15,000.00	$15,000
Shoring for unction Manhole	160	SF	$5.00	$800
Excavation for unction Manhole	12	CY	$30.00	$356
Backfill and Compaction for unction Manhole	7	CY	$25.00	$175
auling for unction Manhole	5	CY	$28.00	$140
Flap Gate	1	EA	$4,500.00	$4,500

Client: **City of Long Beach (Skylinks Golf Course)**
Project: **Skylinks Golf Course Feasibility Study - 6.7 AC-FT**
Status: **10% Cost Estimate**

Prepared by: **MMT**
Checked by: **OG**
Date: **12/11/2019**

Description	Qty	Unit	Unit Price	Total
Electrical Service, Controls, Instrumentation				**$317,000**
Electrical Service	1	LS	$60,000.00	$60,000
Control Panel and PLC Programming	1	LS	$90,000.00	$90,000
Conduit & Wiring	1	LS	$50,000.00	$50,000
NEMA 4 unction Box, 6 x6 x6 (1 each for 480 and 120 conduits)	6	EA	$2,000.00	$12,000
Misc. Conduit Fittings, Elbows, Core Drilling and Sealing, etc.	1	LS	$25,000.00	$25,000
Instrumentation	1	LS	$80,000.00	$80,000
Landscape and Irrigation Modifications				**$296,700**
Seeding	41,940	SF	$0.50	$20,970
Irrigation	41,940	SF	$2.00	$83,880
Shrubs, Perennials, and Grasses	65,340	SF	$2.50	$163,350
Tree Planting	15	EA	$500.00	$7,500
Sand olleyball Court	1	EA	$1,000.00	$1,000
90-Day Plant Establishment Period	1	LS	$20,000.00	$20,000
Site Amenities and Improvements				**$520**
Concrete Curb and Gutter	20	LF	$26.00	$520
Start-up, Testing, Prepare Operations & Maintenance Manuals, and Prepare Record Drawings				**$135,000**
SWPPP Implementation	1	LS	$75,000.00	$75,000
Start-up and Testing	1	LS	$50,000.00	$50,000
O&M Manuals	1	LS	$5,000.00	$5,000
Record Drawings	1	LS	$5,000.00	$5,000
SUBTOTAL				**$6,982,458**
			20% Contingency	$1,396,492
			Total Construction Costs	**$8,378,950**
		GRAND TOTAL		**$8,378,950**

Client:	**City of Long Beach (Skylinks Golf Course)**	Prepared by:	**MMT**
Project:	**Skylinks Golf Course Feasibility Study - 6.7 AC-FT**	Checked by:	**OG**
Status:	**10% Cost Estimate**	Date:	**12/11/2019**

Description	Qty	Unit	Unit Price	Total

Assumptions and Exclusions

1 This is a rough order of magnitude preliminary opinion of probable construction costs only. Actual costs may vary.
2 The unit cost data is derived from inhouse sources, recent bids on similar construction, and RSMeans current construction cost data.
3 This opinion of cost is based on the project program and plans made available at the time of preparation.
4 Material prices are based on current quotations and do not include escalation.
5 This opinion of cost assumes that all improvements will be constructed at one time.
6 Quantity take offs were performed when possible and parametric estimates and allowances are used for items that cannot be quantified at this stage of the design.
7 This opinion has been based on a competitive open bid situation with a recommended 5 - 7 bonafide reputable bids from general contractors and a minimum of 3 bidders for all items of subcontracted work.
8 All unit costs take into account sales tax, general conditions, bonding and insurance, and subcontractor and general contractor overhead and profit.
9 Where applicable, unit costs include the cost of freight.

The following are excluded:

1 Environmental clearances and permits
2 azardous spoil disposal, if encountered
3 Property and Right of Way acquisition or easements
4 Legal and accounting fees
5 Plan check, building permit fees
6 tility Connection Fees
7 Testing and inspection
8 Fire and all risk insurance
9 Removal of unforeseen underground obstructions
10 Relocation of unforeseen subsurface utilities
11 Signage and wayfinding
12 Additional fill or import
13 Loose furniture and equipment
14 tility connection fees
15 Tel/data system
16 Construction contingency
17 Work done after business hours
18 Design, engineering and consulting fees other than those specifically listed in the above estimate

Items that may affect the cost estimate:

1 Modifications to the scope of work included in this estimate
2 nforeseen sub-surface conditions
3 Restrictive technical specifications or excessive contract conditions
4 Any other non-competitive bid situations
5 Bids delayed beyond the projected schedule

100% Final Design Cost Estimate Dated 5-19-2024

Client:
Project: CLB Skylinks Phase 2
Status: 100% Design

Prepared by:
Checked by:
Date: 5/19/2024

Description	Unit	Quantity	Unit Price	Item Total
Office & Admin				
Construction Schedule (Baseline)	LS	1	$ 2,000.00	$ 2,000
Construction Schedule (pdated)	MT	12	$ 500.00	$ 6,000
Construction Schedule (As-Built)	LS	1	$ 1,000.00	$ 1,000
Office Facilities	MT	12	$ 500.00	$ 6,000
Demolition				
Prepare and Implement SWPPP	LS	1	$ 65,000.00	$ 65,000
Clearing and Grubbing	ACRE	2	$ 10,020.00	$ 16,032
Prepare and Implement Water Diversion Plan	LS	1	$ 50,000.00	$ 50,000
Site Preparation and Demolition	LS	1	$ 25,000.00	$ 25,000
Landscaping				
Landscape Estimate	LS	1	$ 581,579.58	$ 581,580
1 Year Plant Maintenance and Establishment	LS	1	$ 35,000.00	$ 30,000
Electrical				
Electrical Work	LS	1.0	$ 240,000.00	$ 240,000
Basic Electrical Methods and Requirements				
Service Switchboard				
Motor Control Centers				
Execution				
Cable				
Low oltage (600 olts and Below)				
Conduit Systems				
Boxes and Wiring Devices				
Grounding				
Control Panels and Appurtenances				
Testing				
Demonstrations and Training				
Telementry				
30-Inch Reinforced Concrete Pipe - Line A	**LS**	**1**	**$ 18,450.00**	
30 Reinforced Concrete Pipe	LF	82	$ 225.00	$ 18,450
Diversion Structure	LS	1	$ 220,000.00	$ 220,000
Well Closure	LS	1	$ 250,000.00	$ 250,000
Pre-treatment Device	**LS**	**1**	**$ 325,000.00**	
Pre-treatment Device	LS	1	$ 325,000.00	$ 325,000
Additional 30 RCP required for installation				
Pump Station - Line C	**LS**	**1**	**$ 715,000.00**	
Submersible Pumps	LS	1	$ 680,000.00	$ 680,000
Ductile Iron Pipe and Fitting	LS	1		$ -
Check alves	EA	1		$ -
Eccentric Plug alves	EA			
Rip Rap Protected Inlet	LS	1	$ 5,000.00	$ 5,000
Catch Basin	LS	1	$ 30,000.00	$ 30,000
Outlet - Line B	**LS**	**1**	**$ 49,670.00**	
Catch Basin	EAC	1	$ 32,000.00	$ 32,000
Check alves				
18 RCP	LF	93	$ 190.00	$ 17,670
Filtration/Water Polisher Unit	**LS**	**1**	**$ 275,000.00**	
Water Polisher/Filtration nit	EAC	1	$ 275,000.00	$ 275,000
Additional 18 RCP Piping	LF			$ -
Slide Gates, Motors & Vaults	**LS**	**1**	**$ 100,000.00**	
30 Cast-Iron Slide Gate Assembly	LS	1	$ 45,000.00	$ 45,000
36 Cast-Iron Slide Gate Assembly	LS	1	$ 55,000.00	$ 55,000
Electric Motor Operators and Appurtenances				

Vegetative Pond System	**LS**	**1**	**$ 236,824.50**	
Impermable Liner	SQFT	6252.5	$ 2.50	$ 15,631
Filter Fabric	SQFT	6252.5	$ 2.50	$ 15,631
egetative Pond Soil	CY	918.6	$ 45.00	$ 41,337
Washed 57 AAS TO Stone	SQFT	1918.8	$ 45.00	$ 86,346
8" PVC Subdrain System	**LS**	**1**	**$ 24,780.00**	
8 P C Perforated Pipe	LF	456	$ 5.00	$ 2,280
Agridrain Multi-Level Control alve	EA	1	$ 6,500.00	$ 6,500
2'x3' Catch Basin	LS	1	$ 16,000.00	$ 16,000
36 RCP Equalizer Pipe	LF	42.5	$ 220.00	$ 9,350
Backfill	CY	406.5	$ 12.00	$ 4,878
Site Grading	CY	2591.4	$ 15.00	$ 38,871
Shoring of Open Excavations	LS	1	$ 900,000.00	$ 900,000
Driveway	LS	1	$ 12,000.00	$ 12,000
Traffic Control	LS	1	$ 15,000.00	$ 15,000
12" Reclaimed Water Line Relocation	LS	1	$ 42,000.00	$ 42,000
Dewatering	LS	1	$ 17,000.00	$ 17,000
Underground Storage Reservoir	new: 2,910,900 per Precon. Not including excavation, base prep, shoring, or ba			
Labor, Materials, Equipment, Supplies, Supervision & Incidental	LS	1		$ -
Removal of Interfering Existing Improvements	LS	1		$ -
Control of Water	LS	71		$ -
Precast Reservoir Units	**LS**	**1**	**$ 2,910,900.00**	**$ 2,910,900**
Design of Precast Concrete Reservoir nits	LS	1		$ -
Fabricating and All Materials for Plant Precast Concrete Reservoir nits	LS	1		$ -
Delivery and Storage of Precast Concrete Reservoir nits	LS	1		$ -
Installation of Precast Concrete Reservoir nits	LS	1	$ 450,000.00	$ 450,000
Maintenance Vaults and Vents	**LS**	**1**	**$ 180,000.00**	**$ 180,000.00**
Steps				$ -
ents				$ -
Furnishing and Installing of Geotextile Fabric	SQFT	33,285	$ 2.25	$ 74,891
Backfilling	CY	7,514	$ 15.00	$ 112,710
Excavation	CY	29,456	$ 11.00	$ 324,020
Disposal of Excess Excavated and Removed Material	CY	24,127	$ 5.50	$ 132,700
Clearing and Striping				$ -
Fiberglass Stop Logs	EAC	3	$ 3,100.00	$ 9,300
Access Manholes	EAC	7	$ 7,000.00	$ 49,000
Gravel Backfill	CY	2,661	$ 5.25	$ 13,969
Subtotal (1)				**$ 8,367,046**
Mobilization/Demobilization and Clean- p - used **10%**				$ 836,705
Permits Allowances - 1% to 3% of Subtotal (1), used **1%**				$ 83,670
Subtotal (2)				**$ 9,287,421**
Estimating Contingency - 10% to 20% of Subtotal (2), used **10%**				$ 928,742
Subtotal (3)				**$ 10,216,163**
Escalation - 5**%** per year of Subtotal (3), used **compound amount factor: (1+i)^ 2 Years used**				$ 510,808
Subtotal (4)				**$ 10,726,971**
Budget Contingency - 10% to 20% of Subtotal (3), used **20%**				$ 2,145,394
Total Estimated Project Cost				**$ 12,872,000**