



TECHNICAL RESOURCES PROGRAM
FISCAL YEAR 2027-2028

Huntington Drive Center Median Feasibility Study

RIO HONDO WATERSHED AREA

PRESENTATION DATE:
OCTOBER 20, 2026

PROJECT LEAD:

City of San Marino
Amber Shah, P.E.
Parks and Public Works
Director/City Engineer



Project Overview

Conduct a feasibility study to evaluate stormwater capture opportunities within Huntington Dr. medians to support water quality & TMDL goals.

Primary Objective:

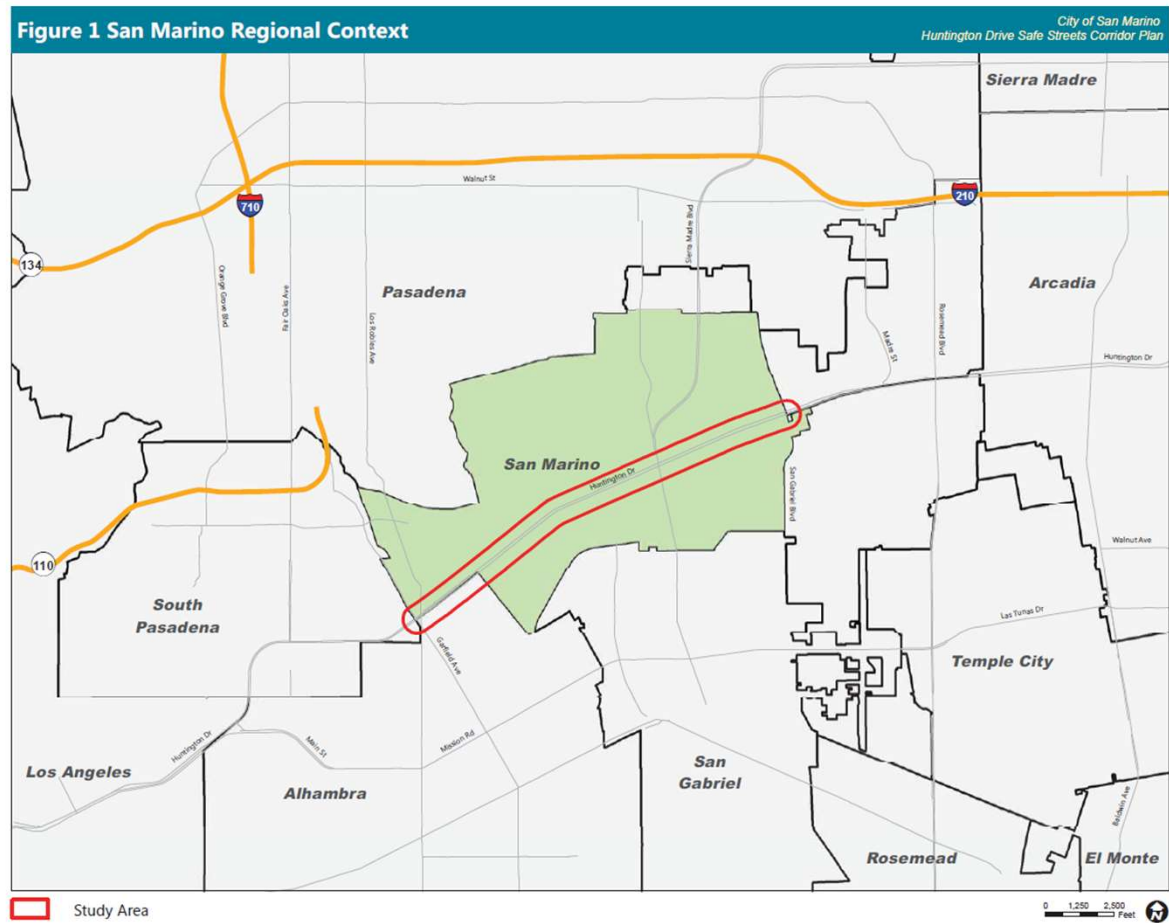
- *Evaluate the feasibility of stormwater capture and infiltration within Huntington Drive's landscaped medians to improve water quality and support TMDL compliance.*

Secondary Objectives:

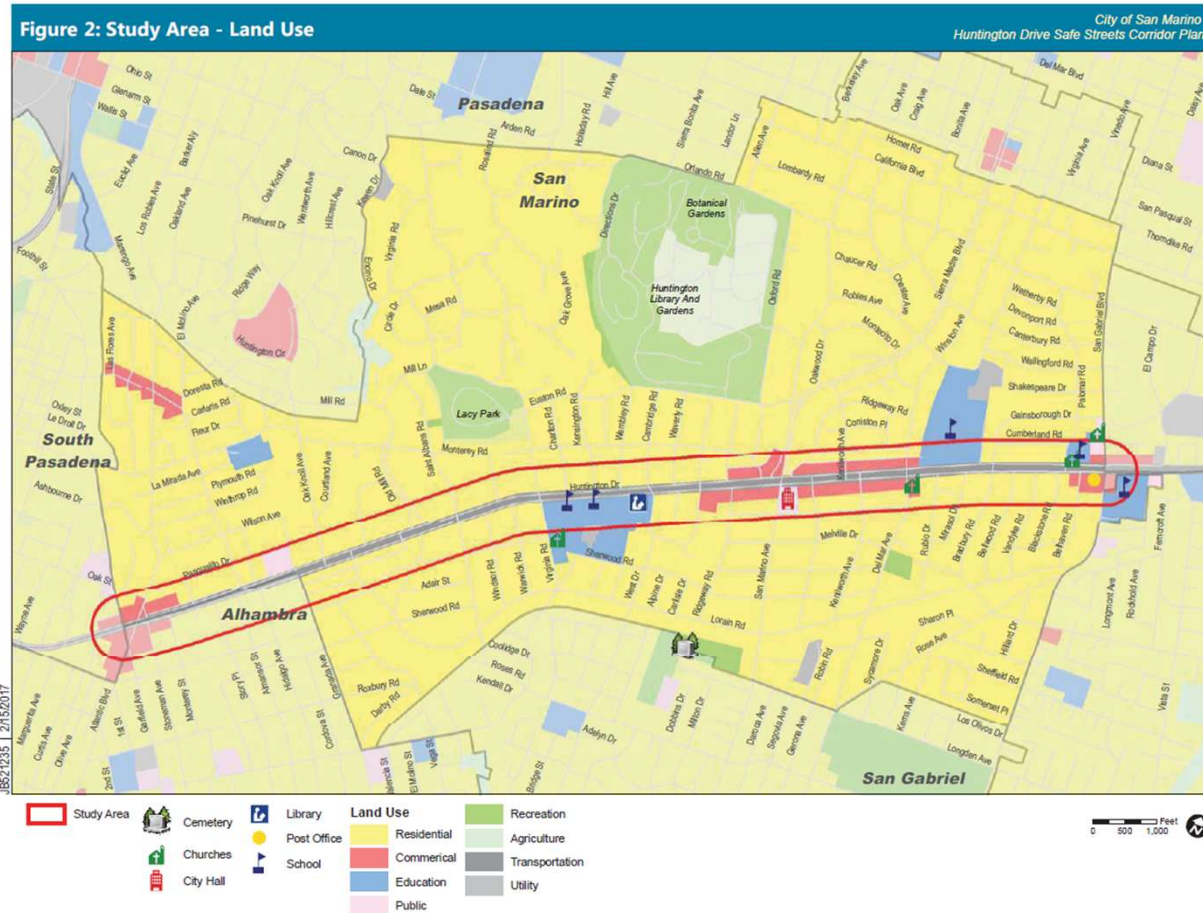
- *Identify and prioritize feasible green infrastructure opportunities based on hydrology, infiltration potential, existing utilities, and operational constraints.*
- *Develop conceptual alternatives, preliminary cost estimates, and community-informed recommendations to guide future project implementation and provide regional watershed benefits.*

Technical Resource Program Funding Request: \$400,000

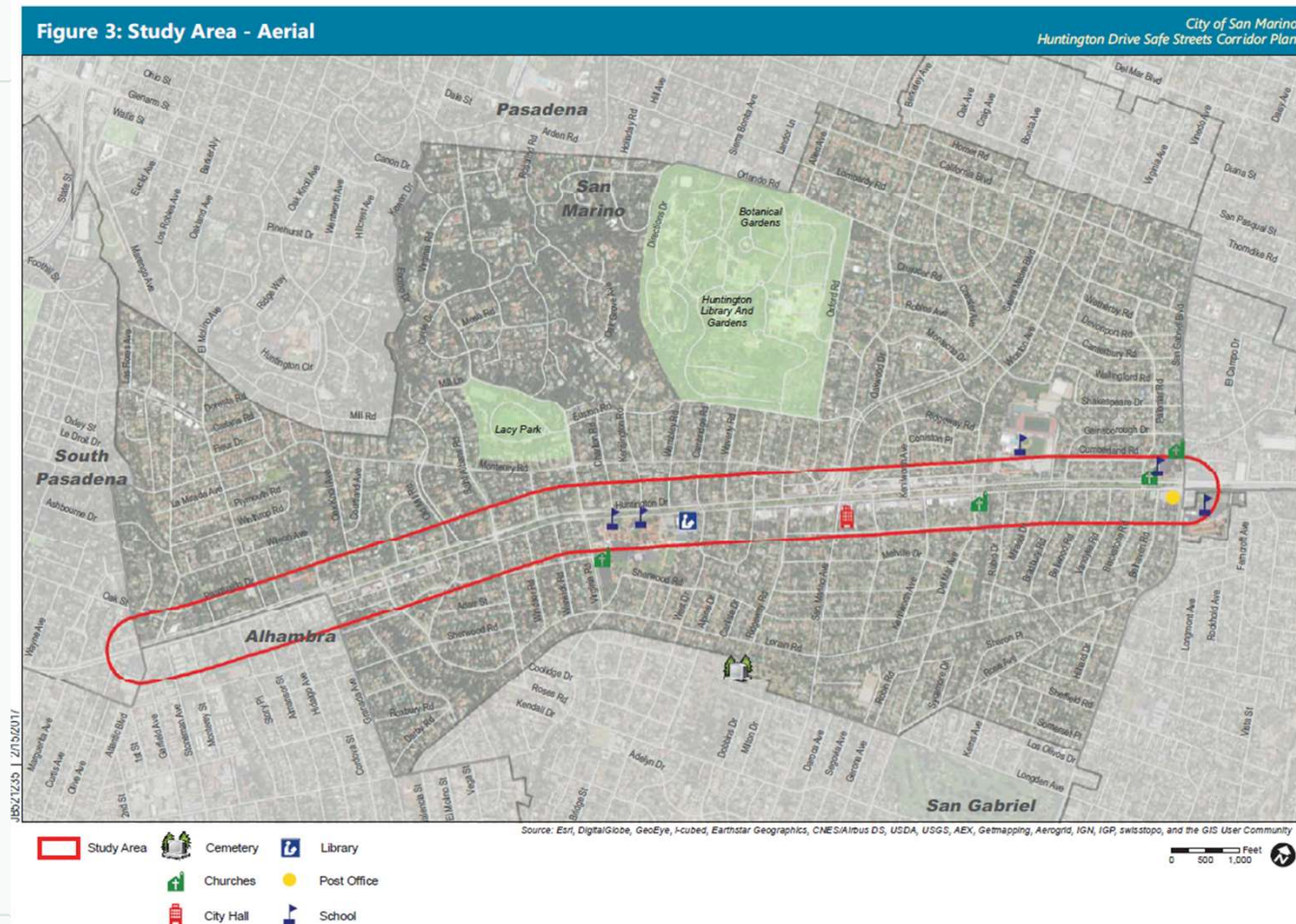
Project Location



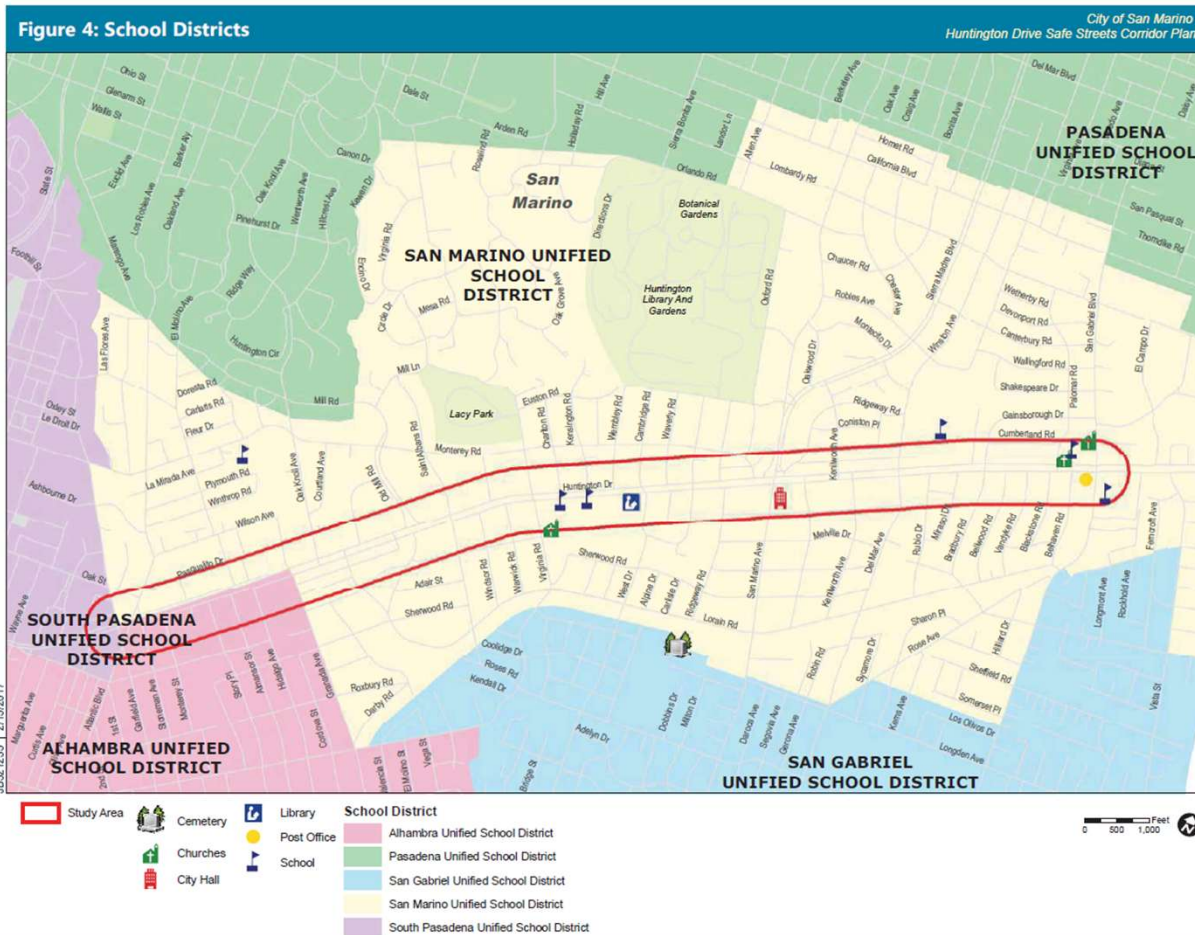
Project Location



Project Location



Project Location



Project Background

Why was the Project location selected?

The Huntington Drive corridor was selected because its exceptionally wide, City-owned landscaped medians provide a unique opportunity to evaluate regional stormwater capture improvements without requiring property acquisition or significant changes to existing land use.

How was the Project developed?

The project concept was developed by the City's Parks & Public Works Department as part of its long-term vision to integrate stormwater management, urban greening, transportation improvements, and community enhancement into a coordinated corridor strategy.

Description of benefits to municipality/municipalities.

The project will benefit the City of San Marino by identifying opportunities to integrate stormwater capture, water quality treatment, groundwater recharge, and urban greening within existing City-owned landscaped medians. The study will also identify opportunities to enhance landscaping, tree canopy, shade, habitat, and community amenities while preserving the corridor's historic character. By coordinating potential stormwater improvements with planned Huntington Drive transportation and corridor improvements, the City can identify cost-effective, multi-benefit solutions, minimize future design conflicts, and maximize the use of public infrastructure investments.

Description of benefits to Disadvantaged Communities, if applicable.

The project is not located within a Disadvantaged Community (DAC); however, by reducing stormwater runoff and pollutant loading to downstream receiving waters, the project has the potential to provide regional water quality benefits throughout the Rio Hondo Watershed Area, including downstream DAC communities.

Coordination and Collaboration

Who are the implementation partners already identified?

- ☐ The Project Concept has been developed internally by the City of San Marino Parks & Public Works Department under the leadership of the Parks & Public Works Director/City Engineer. No external consultants, non-governmental organizations, or community-based organizations have been engaged during project initiation. Upon award, the City will competitively procure a qualified engineering and environmental consulting team through an RFP/RFQ process to perform the technical analyses, prepare conceptual designs, facilitate community engagement, and develop the feasibility study.

Have you received a letter of concurrence from the underlying property owner (if needed)?

- ☐ The proposed project is located within the existing landscaped center medians along Huntington Drive, which are City-owned public right-of-way and designated park space. A separate property owner concurrence letter is not anticipated to be necessary for City-owned areas. However, the potential involvement of Los Angeles County Flood Control District (LACFCD) infrastructure, facilities, or right-of-way will be evaluated, and coordination with LACFCD will occur as needed to determine applicable concurrence requirements.

Have you received a letter of concurrence from the Flood Control District (if needed)?

- ☐ No. Formal coordination with LACFCD and a letter of concurrence have not yet been obtained. The City will coordinate with the appropriate LACFCD watershed manager to determine whether District infrastructure, facilities, or right-of-way would be affected and whether a letter of concurrence or other authorization is required.

What communities or groups have expressed support for the Project via letters of support?

- ☐ No formal letters of support have been obtained to date. As the project is currently in the feasibility stage, the City plans to conduct community engagement with residents, schools, local businesses, and relevant public agencies and community stakeholders to solicit input on conceptual alternatives and future project recommendations.

Have you yet engaged the appropriate vector control district about the project concept?

- ☐ No. The appropriate vector control district has not yet been contacted. The City will coordinate with the applicable vector control district during the feasibility study to evaluate potential mosquito breeding and vector-related concerns associated with proposed stormwater capture, infiltration, and green infrastructure alternatives.

Project Details

- **Project Schematic / Site Plan**

- ☐ The study will evaluate stormwater capture opportunities within the approximately 60-foot-wide landscaped center medians along Huntington Drive in San Marino. The primary study area consists of City-owned public right-of-way and designated park space, with potential screening of secondary corridors.

- **Key Features**

- ☐ Primary corridor: Huntington Drive medians with existing landscaping and mature trees
- ☐ Potential secondary corridors: Sierra Madre Boulevard medians and Old Mill Road medians between Huntington Drive and Monterey Road.

- **Current Conditions, Ownership & Constraints**

- ☐ The Huntington Drive median primarily contains ornamental landscaping, mature trees, and irrigation infrastructure, with no existing engineered stormwater capture or infiltration features. All potential study areas are within San Marino city limits and City-owned public right-of-way.

- **Potential constraints include:**

1. Historic Pacific Electric Railway subgrade conditions.
2. Existing utilities, irrigation systems, and subsurface infrastructure.
3. Soil conditions, infiltration capacity, and groundwater management requirements.
4. Traffic safety, mature tree preservation, and long-term maintenance needs.



Project Details

- **Environmental Documents & Permits**

- ☐ No geotechnical investigations, soil sampling, preliminary hydrologic or hydraulic analyses, or other engineering analyses have been completed to date. Environmental documentation, permits, and any applicable agency approvals will be evaluated following selection of a preferred alternative and as the project advances through subsequent design phases. Potential LACFCD infrastructure, facilities, or right-of-way involvement will require coordination as applicable.

- **Potential Design Alternatives**

- ☐ Distributed bioinfiltration areas: Surface-level landscape capture.
- ☐ Subsurface infiltration systems: Underground structural capture. Not that each alternative will be evaluated against site constraints (historic rail subgrade, utilities, traffic safety) and connection opportunities to existing drainage infrastructure.

- **Vector Minimization**

- ☐ No engagement with the applicable vector control district or feedback has been documented to date. The feasibility study will evaluate potential mosquito-breeding risks and vector-minimization measures associated with stormwater capture and infiltration alternatives. The City will coordinate with the appropriate vector control district as needed to inform conceptual design and maintenance recommendations.

- **Operations & Maintenance (O&M)**

- ☐ **Responsible Agency:** City of San Marino Parks & Public Works Department.
- ☐ **Commitment:** The Department has initiated internal coordination and is committed to assuming long-term O&M responsibility following construction. No additional O&M agency has been identified as necessary at this stage.
- ☐ **Anticipated O&M Needs:**
 - i. Routine landscape and vegetation maintenance.
 - ii. Inspection and maintenance of stormwater capture features. Irrigation adjustments and water conservation.
 - iii. Public safety, asset monitoring, and long-term performance.

Anticipated Schedule

MILESTONE	ESTIMATED COMPLETION DATE
Project Kickoff and Consultant Notice to Proceed	July 2028
QAPP and Work Plan Finalized	September 2028
Geotechnical and Infiltration Investigation Complete	January 2029
Preliminary Hydrologic/Hydraulic Evaluation Complete	January 2029
Stormwater Capture Feasibility Evaluation and Project Alternatives Development Complete	February 2029
Conceptual Design Alternatives Complete	March 2029
Community Engagement and Preferred Alternative Evaluation Complete	April 2029
Draft Feasibility Report Complete	May 2029
Final Feasibility Report Delivered	June 2029

Water Quality & Water Supply Benefits

- Primary Mechanisms that achieve Water Quality and Water Supply Benefits claimed

- ☐ The study will evaluate stormwater capture, infiltration, and treatment strategies to manage runoff from adjacent roadways and contributing urban areas before it enters the municipal storm drain system. Field investigations and hydrologic and hydraulic modeling will be used to evaluate conceptual alternatives and quantify potential water quality and water supply benefits.

- Wet Weather & Tributary Area

- ☐ The feasibility study will evaluate stormwater capture and treatment opportunities associated with rainfall events. Consistent with SCW Program definitions, the study will assess appropriate capture and treatment configurations, potential runoff volumes, and the feasibility of managing flows from the contributing drainage area.

- ☐ The study will help determine the appropriate BMP configuration and whether additional opportunities to intercept storm drain flows should be considered.

- Capacity

- ☐ The study will evaluate potential stormwater capture, infiltration, and treatment capacity within the median corridor. Alternatives will consider opportunities to integrate vegetation, enhanced landscaping, and green infrastructure while supporting the City's urban forestry goals and long-term maintenance needs.

Water Quality & Water Supply Benefits

- Pollutant Reduction

The study will assess potential pollutant load reductions through filtration, sediment capture, infiltration, soil adsorption, biological treatment, and vegetation uptake.

- Water Supply Use (irrigation, water recycling, water supply aquifer)

- ☐ Irrigation/Water Recycling: No onsite irrigation reuse or water recycling is proposed.
- ☐ Groundwater Recharge: Evaluate stormwater infiltration opportunities to potentially recharge the Raymond Groundwater Basin, a managed and adjudicated groundwater basin underlying San Marino.
- ☐ Potential Water Supply Benefits: Assess stormwater capture volumes, infiltration potential, and potential groundwater recharge benefits associated with future improvements.

Community Investment Benefits and Nature Based Solutions

- Community Investment Benefits

Community Strengths and Needs Assessment (CSNA) conducted under the Safe, Clean Water Program. responses identify median improvements as an area of community interest. The study will evaluate opportunities to enhance Huntington Drive through improved landscaping, tree canopy, shade, and public-realm features while integrating stormwater management and preserving the corridor's character.

- Potential Community Outreach

- ☐ Conduct site visits to comparable Southern California median projects, such as the Chandler Bikeway in Burbank.
- ☐ Explore outreach at community gathering spaces, including Lacy Park.
- ☐ Engage local running clubs and other corridor users to understand priorities and potential concerns.

- Nature Based Solutions

The study will evaluate nature-based stormwater management strategies, including bioinfiltration, healthy soils, native and climate-adapted vegetation, expanded tree canopy, and other green infrastructure features. These approaches aim to restore natural hydrologic processes, improve stormwater quality, promote groundwater recharge, and provide additional environmental and community benefits.



Leveraging Funds and Community Support

- Leveraging Funds

- ❑ Potential Funding Sources: The study will position the City to pursue future Safe, Clean Water (SCW) Regional Program funding and other regional and state funding opportunities.
- ❑ Coordination with Existing Investments: The project will complement existing SCW Municipal Program planning efforts and Metro Measure R corridor improvements.
- ❑ Funding Status: No leveraged funding amounts or additional funding commitments have been identified to date.
- ❑ Municipal Funding / Match: Municipal funding contributions and matching funds have not yet been identified.

- Community Support

- ❑ Current Community Support: Formal community outreach has not yet occurred, as the project is currently in the feasibility stage. Engagement opportunities will be evaluated as the feasibility study progresses.
- ❑ Planned Outreach and Engagement: The study will include comprehensive outreach to residents, schools, businesses, and stakeholders to gather input on conceptual alternatives and inform future project recommendations.
 - ❖ Review CSNA Dashboard responses to identify relevant community priorities.
 - ❖ Explore community engagement at Lacy Park and other appropriate public gathering spaces.
 - ❖ Consider outreach to local running clubs, residents, businesses, and other Huntington Drive users.
 - ❖ Use community feedback to help evaluate alternatives and inform future project recommendations.

Watershed Planning Alignment

Prompt: Describe how the proposed project aligns with the Rio Hondo Watershed Area Initial Watershed Plan

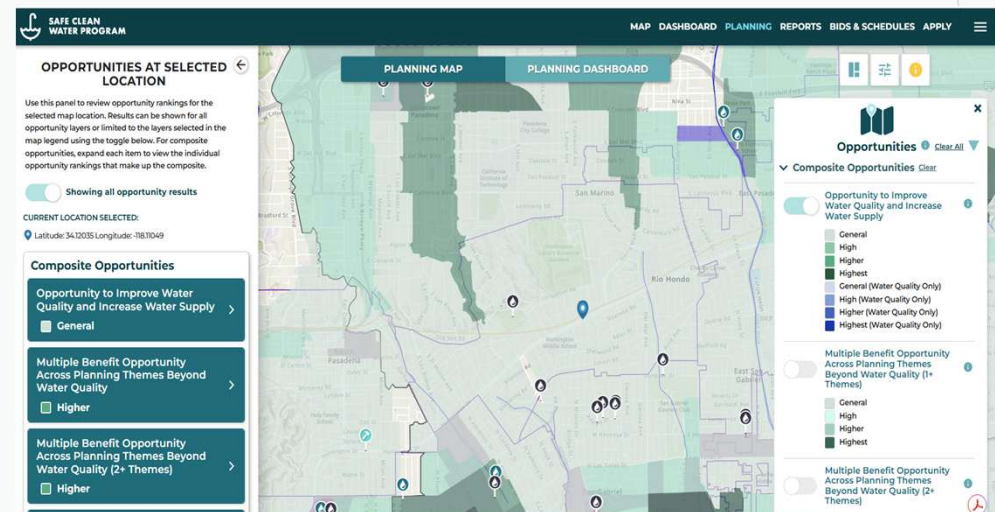
- ❑ **Stormwater Capture & Water Quality:** Evaluate opportunities to capture, infiltrate, and treat urban runoff to reduce pollutant loading and support TMDL and MS4 permit objectives.
- ❑ **Groundwater Recharge:** Assess potential infiltration opportunities that may support recharge of the Raymond Groundwater Basin.
- ❑ **Nature-Based Solutions:** Explore green infrastructure, enhanced landscaping, and urban greening within City-owned medians.
- ❑ **Regional Watershed Benefits:** Identify feasible improvements that advance watershed priorities and may provide downstream water quality benefits.

Rio Hondo Watershed Plan: Targets, Strategies & Opportunities

- **Watershed Targets & Needs:** Support improved stormwater quality, pollutant reduction, potential groundwater recharge, and multi-benefit green infrastructure.
- **Strategies & Actions:** Evaluate stormwater capture, bioinfiltration, native landscaping, enhanced tree canopy, and opportunities to manage roadway runoff before it enters the storm drain system.
- **Opportunity Areas:** Assess the site using the Watershed Planning Tool, with emphasis on the Improve Water Quality and Increase Water Supply opportunity and potential multi-benefit opportunities.
- **Feasibility Study Enhancements:** Evaluate hydrology, infiltration, subsurface conditions, utilities, mature tree protection, maintenance needs, and opportunities to integrate water quality, groundwater recharge, and urban greening benefits.
- **Community Priorities:** Review the CSNA Dashboard and incorporate relevant community-identified needs into alternatives development and future outreach.

Selected Opportunity Layer: Improve Water Quality and Increase Water Supply

- ❑ The project will evaluate stormwater capture, infiltration, water quality improvement, potential groundwater recharge, and urban greening opportunities within Huntington Drive's landscaped medians. These improvements could help reduce pollutant loading, support potential groundwater recharge, and integrate urban greening with stormwater management. The feasibility study will assess site-specific constraints and identify alternatives that best align with Rio Hondo Watershed priorities.



Thank you

QUESTIONS?

City of San Marino

Amber Shah, P.E.

Parks and Public Works Director/City Engineer