

Transit-Oriented Development Pedestrian Access Plan

June 20, 2022

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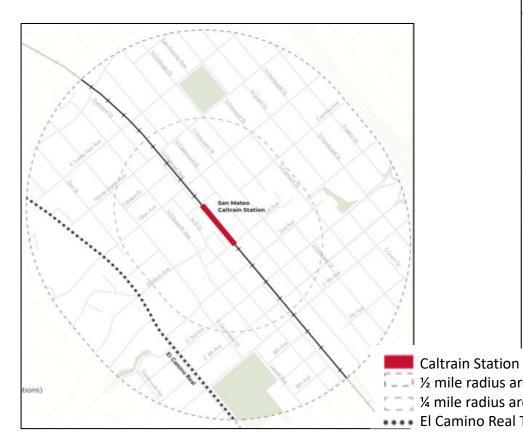
Project Introduction

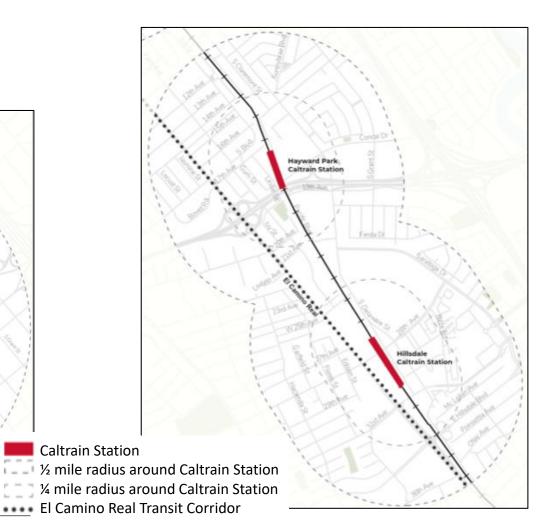
Goal

 Increase safety and comfort for pedestrians within the City's transitoriented development areas and near high-quality transit to encourage walking to transit by assessing capital improvement needs and identifying future improvements.

Aligns with City Council priorities to enhance pedestrian safety

Study Area





Existing Conditions Review

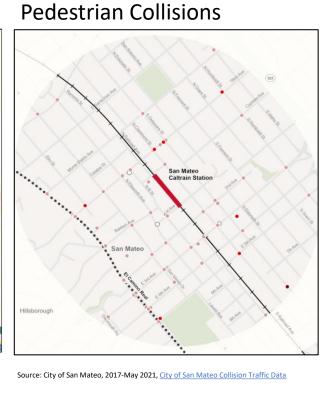
Land Use

Single-Family Housing

Multi-Family Housing



Public Facility



Major Injuries

Minor Injuries

No Injuries

O

Pedestrian Collisions

Fatal

Roadway Typology



Community Engagement Plan

- Outreach Goals
 - 1. Inform
 - 2. Engage
 - 3. Listen and Build Trust
- August 2021 Presented to the Sustainability and Infrastructure Commission

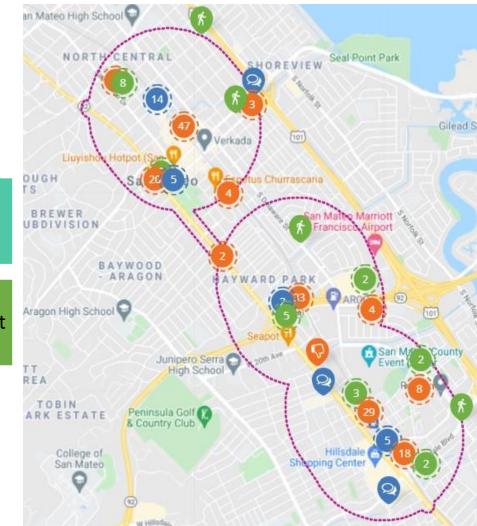






Outreach Methods

*Provided in English and Spanish



Outreach Highlights (by the numbers)









Receive Updates

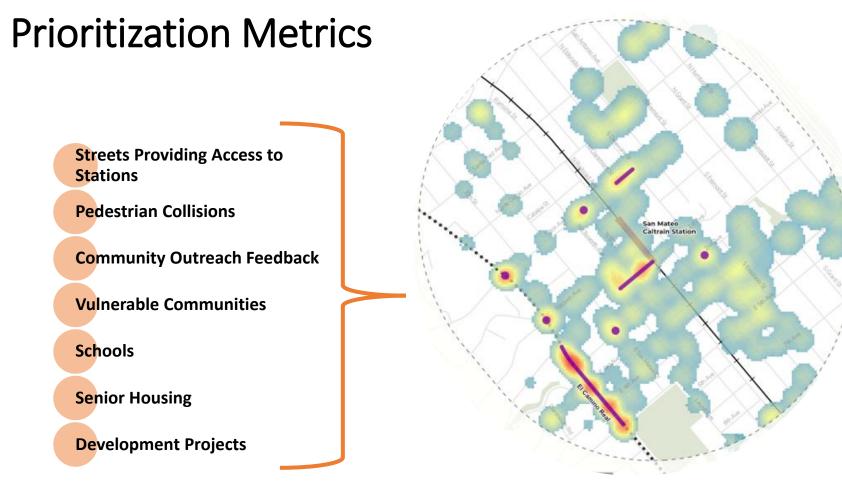
<u>Sign up</u> to receive our e-newsletters to stay informed about this project as well as transportation planning projects in San Mateo.

Engaged with **74 community members** at popup events Received **237** comments on interactive online map

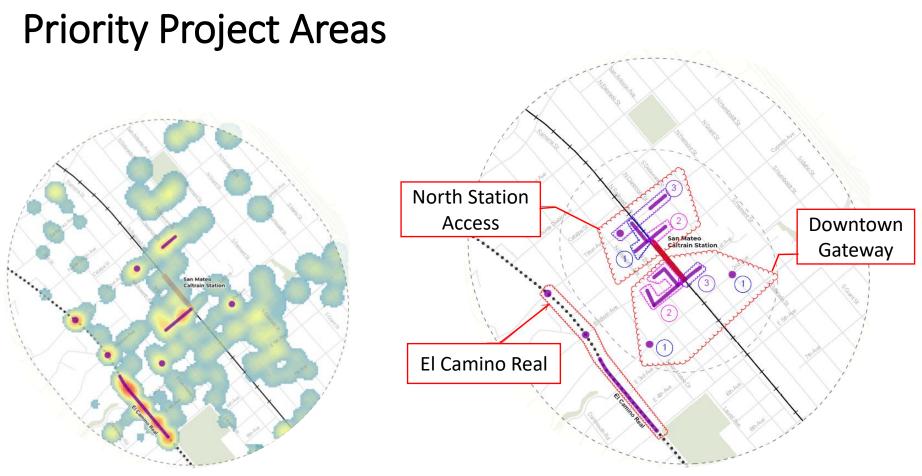
CITY OF SAN MATEO

48 survey responses

414 project webpage views



Heat Map of Prioritization Metrics for Downtown



Heat Map of Prioritization Metrics for Downtown

Downtown Priority Project Areas

North Station Access (North)

Consider implementing an all-way stop control for traffic calming along Tilton Avenue if warranted. Otherwise, consider a raised crosswalk or traffic circle. Provide pedestrian-scale lighting and curb extensions on all corners.

RECOMMENDATIONS NORTH STATION ACCESS



Provide pedestrian-scale lighting under the overpass.

Provide a directional curb ramp at the southwest corner. Provide a high-visibility crosswalk on the southern leg and a curb extension on the southwest corner into B Street.



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pedestrian-scale lighting and wayfinding.



Widen sidewalks to meet standard widths and provide ADA path of travel. Alternatively, consider converting the street into a shared street/alley with traffic calming to ensure a clear path for pedestrians. Provide pedestrian-scale lighting.

> Consider converting Cypress Avenue to a one-way westbound street to provide space for vehicles to park on the street and off the sidewalks to provide ADA path of travel on both sidewalks. Provide pedestrian-scale lighting and wayfinding.

Provide a **new entrance** to the Caltrain station from Cypress Avenue/South Railroad Avenue. **Widen sidewalks** to meet ADA standards or consider converting South Railroad Avenue to a shared street/alley with **traffic calming** to limit vehicular travel and ensure a clear path for pedestrians. Provide a **high-visibility crosswalk** on the southern leg of the intersection, with **ADA curb ramp** to connect to the station platform.

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Implementation

- Coordination with existing and future plans
 - Complete Streets Plan
 - Hillsdale Gap Closure project
 - Local Road Safety Plan
- Funding and Implementation Strategy
 - Project level cost estimates
 - CIP budget
 - Grants
 - Developer contribution

Next Steps

- Develop planning-level cost estimates for priority project areas
- Identify potential funding opportunities
- Prepare environmental documents (CEQA)





Thank You and Questions

Sue-Ellen Atkinson

Principal Transportation Planner

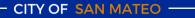
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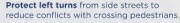


El Camino Real

Prohibit left turns from El Camino Real at a times of the day. Provide curb extensions along Tilton Ave and the west side of El Camino Real to reduce crossing distances and provide space for a bus stop bulbout. samTran

El Camino Real

Provide curb extensions along the west side of El Camino Real to realign the crosswalk across Crystal Springs Road and tighten the intersection. Move the stop bar forward on the north leg to improve sight lines for southbound vehicles Casa spings h turning right from El Camino Real onto Crystal Springs Road.



Titton Ave



Long Term Improvements on El Camino Real Consider shorter cycle lengths and road diet south of Crystal Springs Road. Widen sidewalks to minimum standards.

20

RECOMMENDATIONS **DOWNTOWN - EL CAMINO REAL**

Baldwin Ave

Prohibit left turns from El Camino Real at all times of the day. Provide curb extensions on the west leg to tighten and realign the intersection to better separate De Sabla Road from El Camino Real. Protect left turns from side streets if possible.

with Ave

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Provide curb extensions along the west side of El Camino Real to reduce crossing distances and provide space for a bus stop bulbout. Install a left turn vield to pedestrian sign for westbound turning vehicles or consider a flashing vellow arrow.

San Naieo D

North Station Access (North)

Consider implementing an all-way stop control for traffic calming along Tilton Avenue if warranted. Otherwise, consider a raised crosswalk or traffic circle. Provide pedestrian-scale lighting and curb extensions on all corners.

RECOMMENDATIONS NORTH STATION ACCESS



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Provide a directional curb ramp at the southwest corner. Provide a high-visibility crosswalk on the southern leg and a curb extension on the southwest corner into B Street.



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> Consider converting Cypress Avenue to a one-way westbound street to provide space for vehicles to park on the street and off the sidewalks to provide ADA path of travel on both sidewalks. Provide pedestrian-scale lighting and wayfinding.

Provide a **new entrance** to the Caltrain station from Cypress Avenue/South Railroad Avenue. **Widen sidewalks** to meet ADA standards or consider converting South Railroad Avenue to a shared street/alley with **traffic calming** to limit vehicular travel and ensure a clear path for pedestrians. Provide a **high-visibility crosswalk** on the southern leg of the intersection, with **ADA curb ramp** to connect to the station platform.

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Downtown Gateway (South)

Consider reducing westbound travel lanes to widen sidewalks. Alternatively, consider closing the eastbound lane on Transit Center Way to create an enhanced entrance to the station. Add wayfinding signage improvements to reduce driver confusion. Opportunity for placemaking/public art.

Ellsworth Ma

Provide curb extensions and directional ADA curb ramps.

Consider a **pedestrian** scramble to reduce conflicts with turning vehicles. Provide **curb** extensions onto 1st Avenue.

Reconfigure the intersection by narrowing travel lanes on San Mateo Drive, shifting lanes towards the east, and converting to diagonal parking on the west side of the street. Remove conflicts from 2nd Avenue by implementing split phasing, protected lefts, or an all pedestrian phase. Provide curb extensions to tighten corner radii.



RECOMMENDATIONS DOWNTOWN GATEWAY

Ensure sidewalk minimum is 11 feet wide with 5 foot clear zone on 1 st Avenue and Transit Center Way (N-S)

Provide curb extensions or consider daylighting and adding turn pockets for the protected left turns on 2nd

Provide **high-visibility crosswalks** across the train tracks.

Provide high-visibility crosswalks on the west and north legs. Include directional ADA curb ramps and curb extensions for the west leg, with consideration for an RRFB.

San Mateo

Consider adding an RRFB to the crosswalk across 1st Avenue.

Avenue.

3rd Ave

Add a painted **curb extension** to the southeast corner and enhance the driveway crosswalk to a **raised or high-visibility crosswalk**. To remove left turn conflicts with crosswalks, implement **split phasing**. In the long term, consider **shifting the southern crosswalk to the north** or adding a **pedestrian scramble or pedestrian-only phase**.

Delawate St

One

RECOMMENDATIONS HAYWARD PARK - EL CAMINO

Provide **curb extensions** on El Camino Real to shorten pedestrian crossings and provide space for a bus stop.

GUM PJe

Camino Real

20th Ave

Colorese



19th Ave

El Camino Real

Provide **curb extensions** at the southwest corner on Bovet Road to tighten the corner radius and slow turning vehicles. Consider **removing the dedicated right turn lane** or **narrowing existing travel lanes** on Bovet Road to shorten pedestrian crossings. Provide **protected left turns** from Bovet Road and 17th Avenue_



Straighten crosswalks to address the skewed intersection/pedestrian crossings by providing curb extensions on the east side of El Camino Real and narrowing travel lane widths. Widen sidewalks to minimum widths.



BoyetRd

Long Term Improvements on El Camino Real Consider shorter cycle lengths and road diet. Widen sidewalks to minimum standards.

ITth Ave

122 54

Hayward Park East

Ensure Hayward Park station development project addresses existing **ADA** and pedestrian circulation issues.

5R-9

pacific Blvd

Xi

RECOMMENDATIONS HAYWARD PARK EAST

Implement Concar Passage plans for protected intersection islands on northeast and southeast corners to accommodate buffered bike lane turning movements, with ADA curb ramps.

Assess feasibility of **reducing the number of lanes** at this intersection, including the off-ramp, in order to **"T" the off ramp** into Concar Drive and help reduce pedestrians' exposure to vehicles by reducing the size of the intersection and the adjacent intersection at Delaware Street. **Crossings** should then be provided on all legs to improve access between the southern developments and the Caltrain station.

Widen **the sidewalk** on one side of the street to meet minimum widths.

Provide **curb extensions, high-visibility crosswalks**, and **directional ADA curb ramps** to connect overpass entrance to Caltrain sidewalk; provide curb extensions on northeast corner to tighten the curb radius and slow down turning vehicles.

Sunnybrae (Northeast)

Provide **pedestrian-scale lighting** on the west side of Delaware Street.

Clatemont St

Widen sidewalks to minimum standards by narrowing travel lanes or using more of City ROW. Provide pedestrian-scale lighting along 16th Avenue between Delaware Street and South Railroad Avenue.

Work with adjacent land owners to formalize the bicycle/pedestrian path from 16th Avenue to the Station entrance through the parking lot and provide an ADA curb ramp to access the path from the street. Improve wayfinding between the station entrance and major nearby destinations. Provide an ADA path of travel through the Caltrain parking lot to the station platforms.

SBSHEE

16th Ave

As a part of the existing bicycle boulevard project on Sunnybrae, address the geometry of the intersection with Guildford Avenue. Upgrade existing crosswalk to high-visibility. Provide advance stop bars.

th Ave

RECOMMENDATIONS

SUNNYBRAE

Evaluate the need for a signal or consider a single lane **roundabout** at this intersection. Provide **high-visibility crosswalks** at all legs. Provide **curb extensions** on 16th Avenue. Consider **narrowing travel lanes** at the intersection on the west leg of 16th Avenue to shorten the crosswalk.

Provide high visibility crosswalks on all legs, including a new crosswalk on the east leg to minimize how often pedestrians have to cross the street. Provide daylighting to improve visibility. Consider curb extensions through the entire intersection to discourage parking/stopping. Provide intersection roadway lighting for north and west crosswalks.

Provide high-visibility crosswalks and directional ADA curb ramps across Leslie Street and west side of 17th Avenue. Provide curb extensions on north and south sides of 17th Avenue to enhance the new crosswalk and discourage parking/stopping in the intersection. Use curb extensions to realign driveways.

1X

Hayward Park West

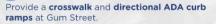
Provide a **raised midblock crosswalk** at the station entrance on Leslie Street. Include **curb extensions** and **directional ADA curb ramps**. Improve **wayfinding** between the station entrance and major nearby destinations. Provide **pedestrian scale lighting** along Leslie Street and under the State Route 92 overpass. Widen sidewalks to minimum standards and consolidate driveways north of the station entrance as development on the east side of Leslie Street occurs.

STOP

Provide a **high visibility crosswalk** on the west leg at 19th Avenue and Leslie Street to connect the overpass entrance to the ballpark and sidewalks. Provide **curb extensions** to square up the intersection. Implement an **all-way stop**. Continue **pedestrian-scale lighting** from Leslie along 19th Avenue to Palm Avenue. Consider **widening sidewalks** to minimum standards and implementing **bicycle boulevard improvements** along Leslie Street and 19th Avenue.



destinations. Provide pedestrian-scale lighting along 17th Avenue. Widen sidewalks to minimum standards. Formalize the existing bicycle/pedestrian path from 17th Avenue to the station platform. Consider implementing bicycle boulevard improvements along 17th Avenue.





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Consider a **Class 1 shared bicycle and pedestrian path** along the east side of Leslie Street. Create a **new pedestrian station entrance** to the station platform at the southern end of the station to reduce walking distances between the east and west sides of Hayward Park.



Provide **curb ramps** at overpass ramp entrances. Provide **pedestrian-scale lighting** leading to and on the overpass. Improve **wayfinding** to/from Caltrain Station.

RECOMMENDATIONS 25TH AVENUE

(N)

HILLSDALE

25th Avenue

Build a sidewalk on the westside of Delaware Street. Consider a protected intersection to protect and organize movements between Class IV on Delaware Street and Class II on 25th Avenue and provide pedestrian safety benefits.

El Camino Rea

Palm Hae

25th Ave

Consider a **road diet** on East 25th Avenue.

Flores St

Provide enhanced crosswalks such as a RRFB. Provide curb extensions through the intersection to discourage parking/stopping. Provide pedestrian-scale lighting.

Provide curb extensions, directional ADA curb ramps and pedestrian-scale lighting. Widen sidewalks to minimum standards and provide landscaping by converting parking to parallel parking. Consider traffic calming on 25th Avenue in coordination with the proposed bicycle route and Class IV bikeway.

HILLSDALE

28th Avenue

Add a new crosswalk on the northern leg on El Camino Real to

El Camino Real

continue the Class I shared bicycle and pedestrian path. Include a median to provide a **pedestrian refuge** on El Camino Real. Consider **protecting the westbound right turn and westbound left turn** to remove pedestrian conflicts. Provide **curb extensions** on the west side of El Camino Real and into 28th Avenue to shorten crossing distances and provide space for a bus stop.

28th Ave

27th .

Flores St

Provide directional ADA curb ramps on all corners. Provide pedestrian-scale lighting on the north side of the intersection and curb extensions on 28th Avenue.

Evaluate the feasibility of a **midblock**

crosswalk to facilitate access across 28th Avenue between the station entrances. Provide pedestrian-scale lighting and consider other safety features similar to the crossing under the Hillsdale Mall on 31st Avenue.

Consider the feasibility of a **road diet** on 28th Avenue.



HILLSDALE

31st Ave./ Bay Meadows

Consider adding direct station access and wayfinding from the east and west sides of the station to create a direct path from the station to the new developments to the east and the commercial areas west of El Camino Real.

-uriosity Wat



31st Ave

Provide wayfinding with the new entrance to the Caltrain station. Consider enhancing the sidewalk by adding landscaping or public art.

Derby Ave

NTDAR

RECOMMENDATIONS **31ST AVENUE / BAY MEADOWS**

Assess traffic control needs to determine if an all-way stop or signal is appropriate. Determine if pedestrian crossing enhancements are needed

based on speed and volumes. Provide curb extensions on Baze Road. Consider the feasibility of a road diet on Franklin Parkway - 31st Avenue



Franklin Pkwy

Provide curb extensions on 31st Avenue to shorten pedestrian crossings and directional ADA compliant curb ramps on all corners. Provide high-visibility crosswalks and wayfinding to the station entrance.

Consider narrowing travel lanes on 31st Avenue and El Camino Real to allow for corner radii to be tightened for shorter crossings. Provide a pedestrian refuge for the north and west crosswalks.

RECOMMENDATIONS HILLSDALE BOULEVARD

El Camino Rea

Pacific Blud

HILLSDALE

Hillsdale Boulevard



Edisonst

Consider the feasibility of **removing right turn slip lanes/pockets** northbound and westbound.

Provide **high-visibility crosswalk** on east leg to allow for a continuous pedestrian connection along the east side of El Camino Real. Consider the feasibility of a **road diet** on Hillsdale Boulevard.



Provide **curb extensions** on the west side corners to **better align the crosswalk** across Edison Street. Consider **removing the westbound left-turn pocket** onto Edison Street or consider a **signal or roundabout** to simplify the many conflicting movements. Provide **pedestrian-scale lighting**.



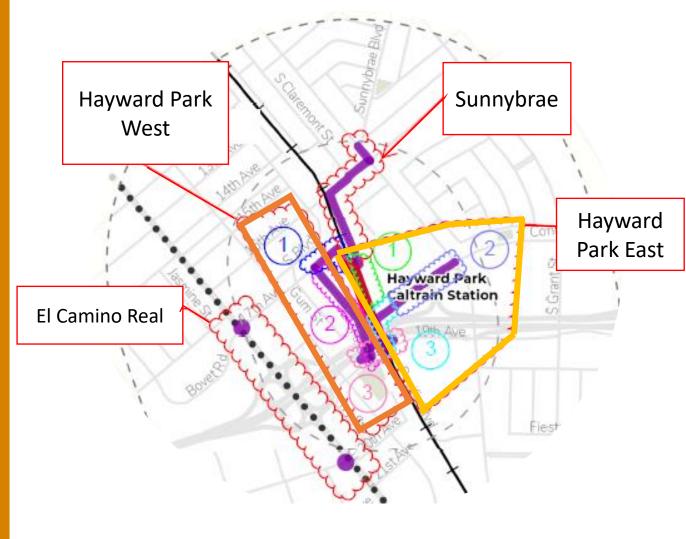




Extra Slides

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HAYWARD PARK Priority Project Areas



Provide high-visibility crosswalks and directional ADA curb ramps across Leslie Street and west side of 17th Avenue. Provide curb extensions on north and south sides of 17th Avenue to enhance the new crosswalk and discourage parking/stopping in the intersection. Use curb extensions to realign driveways.

1X

Hayward Park West

Provide a **raised midblock crosswalk** at the station entrance on Leslie Street. Include **curb extensions** and **directional ADA curb ramps**. Improve **wayfinding** between the station entrance and major nearby destinations. Provide **pedestrian scale lighting** along Leslie Street and under the State Route 92 overpass. Widen sidewalks to minimum standards and consolidate driveways north of the station entrance as development on the east side of Leslie Street occurs.

STO

Provide a **high visibility crosswalk** on the west leg at 19th Avenue and Leslie Street to connect the overpass entrance to the ballpark and sidewalks. Provide **curb extensions** to square up the intersection. Implement an **all-way stop**. Continue **pedestrian-scale lighting** from Leslie along 19th Avenue to Palm Avenue. Consider **widening sidewalks** to minimum standards and implementing **bicycle boulevard improvements** along Leslie Street and 19th Avenue.

Improve wayfinding between the station and major nearby destinations. Provide pedestrian-scale lighting along 17th

destinations. Provide pedestrian-scale lighting along 17th Avenue. Widen sidewalks to minimum standards. Formalize the existing bicycle/pedestrian path from 17th Avenue to the station platform. Consider implementing bicycle boulevard improvements along 17th Avenue.

Provide a crosswalk and directional ADA curb ramps at Gum Street.



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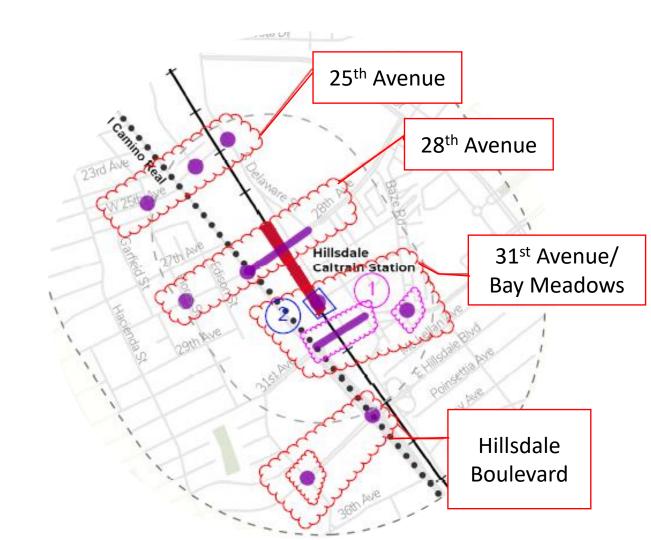
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Provide **curb ramps** at overpass ramp entrances. Provide **pedestrian-scale lighting** leading to and on the overpass. Improve **wayfinding** to/from Caltrain Station.



HILLSDALE Priority Project Areas



HILLSDALE

28th Avenue

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El Camino Real

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28th Ave

27th .

Flores St

Provide directional ADA curb ramps on all corners. Provide pedestrian-scale lighting on the north side of the intersection and curb extensions on 28th Avenue.

Evaluate the feasibility of a **midblock**

crosswalk to facilitate access across 28th Avenue between the station entrances. Provide pedestrian-scale lighting and consider other safety features similar to the crossing under the Hillsdale Mall on 31st Avenue.

Consider the feasibility of a **road diet** on 28th Avenue.



Outreach Summary

| Engagement Activities | | | | |
|--------------------------------|---------------------|-------|---------------------|--|
| Who we're engaging | Senior Community | Youth | Latinx Community | |
| Community Meeting ¹ | х | | | |
| Pop-Up Events | | | | |
| Map Survey ² | | x | | |
| Pop-Up Surveys ³ | | x | x | |

| Outreach Methods | | | |
|--|---------------------|-------|---------------------|
| Who we're reaching | Senior Community | Youth | Latinx Community |
| SM Daily Journal Ad | x | | |
| Project Webpage | | | |
| NextDoor | × | | |
| Flyers | | x | x |
| Email Blast + Listserv + Text Blast | x | х | |
| Local Interest Group Meetings (almost all virtual) (Focus Groups) | x | x | x |
| Social Media (Instagram, Facebook) | | x | × |

Existing Conditions Review

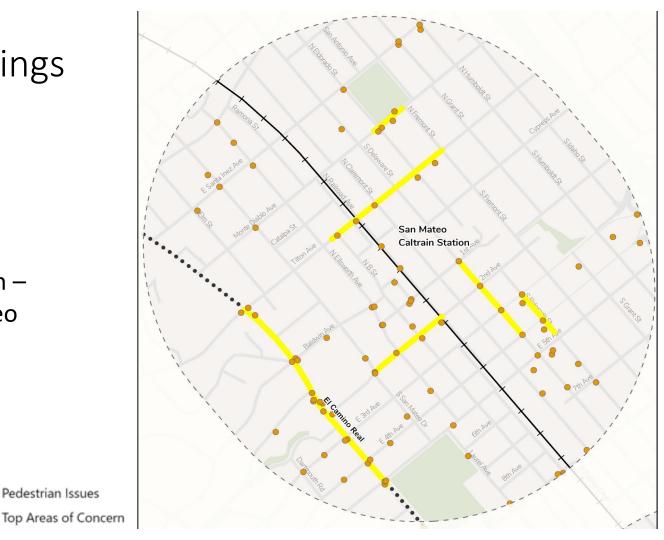


| Category | Data Reviewed |
|------------------------------------|---|
| Land Use and Demographics | Land Uses |
| | Landmarks (Schools, Senior Centers, Libraries, etc.) |
| | CalEnviroScreen |
| Existing Transportation Facilities | Roadway Typology |
| | Locations of Signalized Intersections |
| | Level of Traffic Stress |
| | Pedestrian Collisions |
| | Locations of Missing Sidewalks |
| Planned Improvements | Development Projects (Upcoming and Under Review) |
| | Planned Pedestrian Improvements (City of San Mateo Pedestrian Master Plan, 2012) |

Outreach Findings

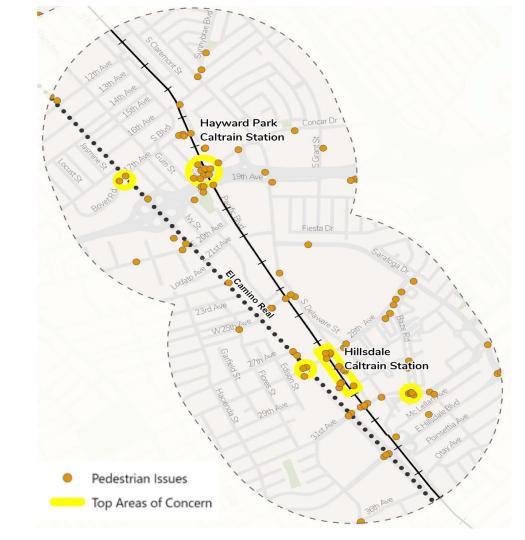
Top Areas of Concern – Downtown San Mateo

Pedestrian Issues



Outreach Findings

Top Areas of Concern – Hayward Park and Hillsdale Caltrain Stations



Outreach Feedback



Top Areas of Concern (in descending order)

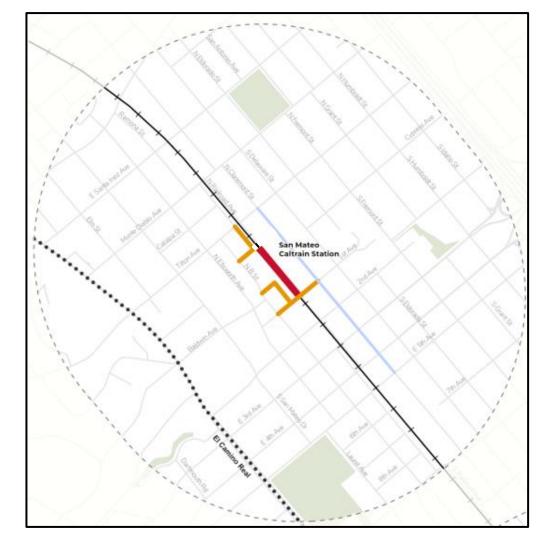
- 1. 28th Ave. and El Camino Real Intersection
- 2. Hillsdale Caltrain Station at 28th Ave., Derby, & Curiosity Way (access & crossing tracks)
- 3. Franklin Pkwy and Baze Road-Mena Dr.
- 4. Hayward Park Caltrain Station (access & crossing tracks)
- 5. 17th Ave. and El Camino Real
- 6. Intersections along 2nd Ave. between San Mateo Dr. and N. Railroad Ave.
- 7. El Camino Real between Tilton Ave. and E. 5th Ave.
- 8. El Camino Real and 20th Ave.
- 9. Monte Diablo Ave. between N. Eldorado St. and Fremont St.
- 10. Tilton Ave. between N. B St. and S. Fremont St.

Prioritization Metrics



| Metric | Description | Prioritization Weight |
|--|---|-------------------------------|
| Streets Providing | Streets identified as main walking connections to | High (Station Access Streets) |
| Access to Stations | the Caltrain stations | Low (Connector Streets) |
| Pedestrian Collisions | Reported pedestrian collisions within the study area | Medium |
| Community Outreach Feedback | Pedestrian issues identified through community outreach | Medium |
| Vulnerable Communities (CalEnviroScreen) | Uses environmental, health, and socioeconomic information to measure community vulnerability to pollution at the census tract level | Low |
| Schools | Areas within 1 block of Schools | Low |
| Senior Housing | Areas within 1 block of Senior Housing | Low |
| Development Projects | Upcoming development projects that are either under review or under construction within the study area | Low |

Streets Providing Access to the Station Downtown



Station Access Streets

Connector Streets

Streets Providing Access to the Station Hayward Park and Hillsdale



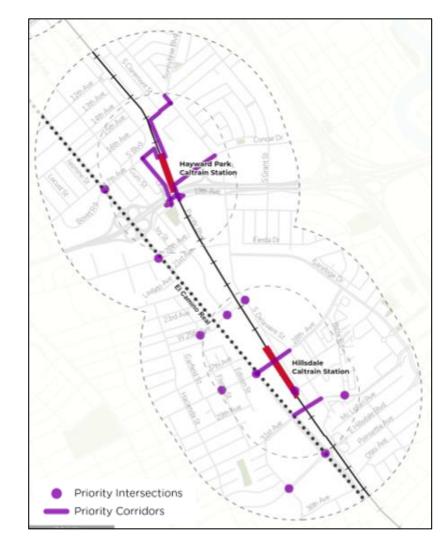
Station Access Streets

Connector Streets

Priority Locations Hayward Park and Hillsdale







Priority Projects



Hayward Park Hillsdale Downtown El Camino Real El Camino 25th Avenue Hayward Park West 28th Avenue Downtown Gateway North Central Equity Access Sunnybrae 31st Avenue/Bay Meadows Hayward Park East Hillsdale Boulevard Caltrain Overpass

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DOWNTOWN Priority Projects

