



EXECUTIVE SUMMARY

HEARING DATE: July 14, 2022

Case Number: 2018-008588CWP
Project Name: Southeast Rail Station Study (SERSS)
Staff Contact: Doug Johnson, Transportation Planning Manager
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Reviewed By: AnMarie Rodgers, Director of Citywide Planning
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Recommendation: **Adopt resolution endorsing the Southeast Rail Station Study and urging decision-makers to take necessary steps to re-establish Caltrain service in the Southeast portion of the City, based on findings in the study.**

Background

Passenger rail service from San Francisco to San José started over 150 years ago. Caltrain service saw steady ridership growth in San Francisco in the decades before the pandemic. Looking forward, the launch of Caltrain's electric service in 2024, the extension of service to the Salesforce Transit Center, and the arrival of High-Speed Rail will expand travel options for residents, workers, and visitors within San Francisco and throughout the region. Increasing the use of these transit investments is critical to the city meeting its greenhouse gas reduction commitments and to meeting travel needs of its residents, students, and workers. To realize these benefits, San Francisco needs improved access to Caltrain service in the form of new and improved Caltrain stations between the future underground Fourth and Townsend station and the Bayshore station at the county line. The Southeast Rail Station Study (SERSS) started in 2020 to address these needs and make recommendations on future station locations.

In the Bayview, the City seeks to restore regional rail service to the neighborhood that was lost when the Paul Avenue Caltrain station closed in 2005 despite decades of planning for its replacement. Studies conducted both prior to and after the Paul station closure explored alternative station locations beginning with a 1988 Caltrans study assessed the feasibility of replacing Paul Avenue with a new station to the north at Williams Avenue, Palou/Oakdale Avenue, or Evans Avenue, with Evans Avenue identified as a preferred location. A 2002 San Francisco Redevelopment Authority plan¹ identified the Oakdale-Palou area as the community's preferred location for a Caltrain station, and \$7.93 million was set aside for the Oakdale Station project in the 2003 Proposition K sales tax². The San Francisco County Transportation Authority (SFCTA) completed a 2005 study,

¹ Office of Community Investment and Infrastructure (formerly San Francisco Redevelopment Agency), 2002, [Ch 4 Part 2 - Physical Planning and Environmental Programs.pdf](#), page 106

² SFCTA, 2018, Proposition K Five-Year Prioritization Program 2019: Transit System Maintenance and Renovation: Transit Enhancements, <https://www.sfcta.org/sites/default/files/2020-06/EP%2010-16%20Transit%20Enhancements%20%2811272018%29.pdf>, page 2.

which proposed and confirmed the engineering feasibility of a new station just north of Oakdale Avenue³, and a subsequent study in 2014 confirmed the ridership potential of a Caltrain station in that location at over 4,000 riders per day. The 2020 Bayview Community Based Transportation Plan⁴ includes an Oakdale Caltrain station as one of the neighborhood's most pressing transportation needs, and ConnectSF's Transit Strategy⁵ also recommended a new station in the Bayview.

Farther north, this study addressed the need to replace or renovate the current 22nd Street station in light of future changes to the tracks. In 2015, the City started study and analysis of the Pennsylvania Avenue tunnel in 2015. Construction of the Pennsylvania Avenue Extension (PAX) and Downtown Rail Extension (DTX) tunnels will fully underground the passenger rail corridor in San Francisco from north of Cesar Chavez to the Salesforce Transit Center. The current 22nd Street Caltrain station may need to be relocated or reconfigured as part of the PAX tunnel project and this study set out to identify where that station would be.

Southeast Rail Station Study Overview and Update

In light of past commitments to the Bayview Community and in response to the Planning Commission's Resolution⁶, Planning Department staff revisited the recent Railyards Alignment and Benefits (RAB) study to apply a racial equity lens on future rail service. Hence, the Southeast Station Study began in 2020. With a total budget of \$511,000 coming from a combination of funds from the Metropolitan Transportation Commission, SFCTA, and Planning Department, the study addresses the future of stations in the southeastern part of San Francisco to meet the present and future needs of the City's residents, businesses, institutions, and visitors. Between 2010 and 2020, more than 7,000 new residents moved to Bayview/Hunters Point and almost 5,000 new residents moved to the Dogpatch/Portrero/Mission Bay community. Following trends elsewhere in the city, the Black or African American population dropped in both neighborhoods, while white, Asian, and Hispanic populations grew.

The study considers options for two station geographies: one station to restore regional rail service to the Bayview community that was lost when Paul Avenue Station closed and a second station at or in place of 22nd Street serving the growing Dogpatch/Portrero/Mission Bay neighborhoods.

The study began with the community-requested site of Oakdale. Technical studies of all possible station options were completed to ensure the study was thorough and responsive to recent and planned land use changes. The study considered track geometry, physical barriers such as hills and creeks, connectivity to people, and the distance between stations. The study has revealed six possible locations shown in Figure 1, which includes three options near 22nd Street and three options for a Bayview station. For 22nd Street, the station could either stay approximately where it is, but be rebuilt or shifted into a tunnel or shifted north to around Mariposa Street, or south, to Cesar Chavez Street. The option at Mariposa would be deep in the PAX tunnel. The option at Cesar

³ SFCTA, 2005, Bayview-Oakdale Caltrain Station Study: Design Feasibility Assessment and Station Concepts, Final Report, <https://www.sfcta.org/sites/default/files/2019-03/bayviewoakdalecaltrainstudy-finalv2.pdf>, page 32

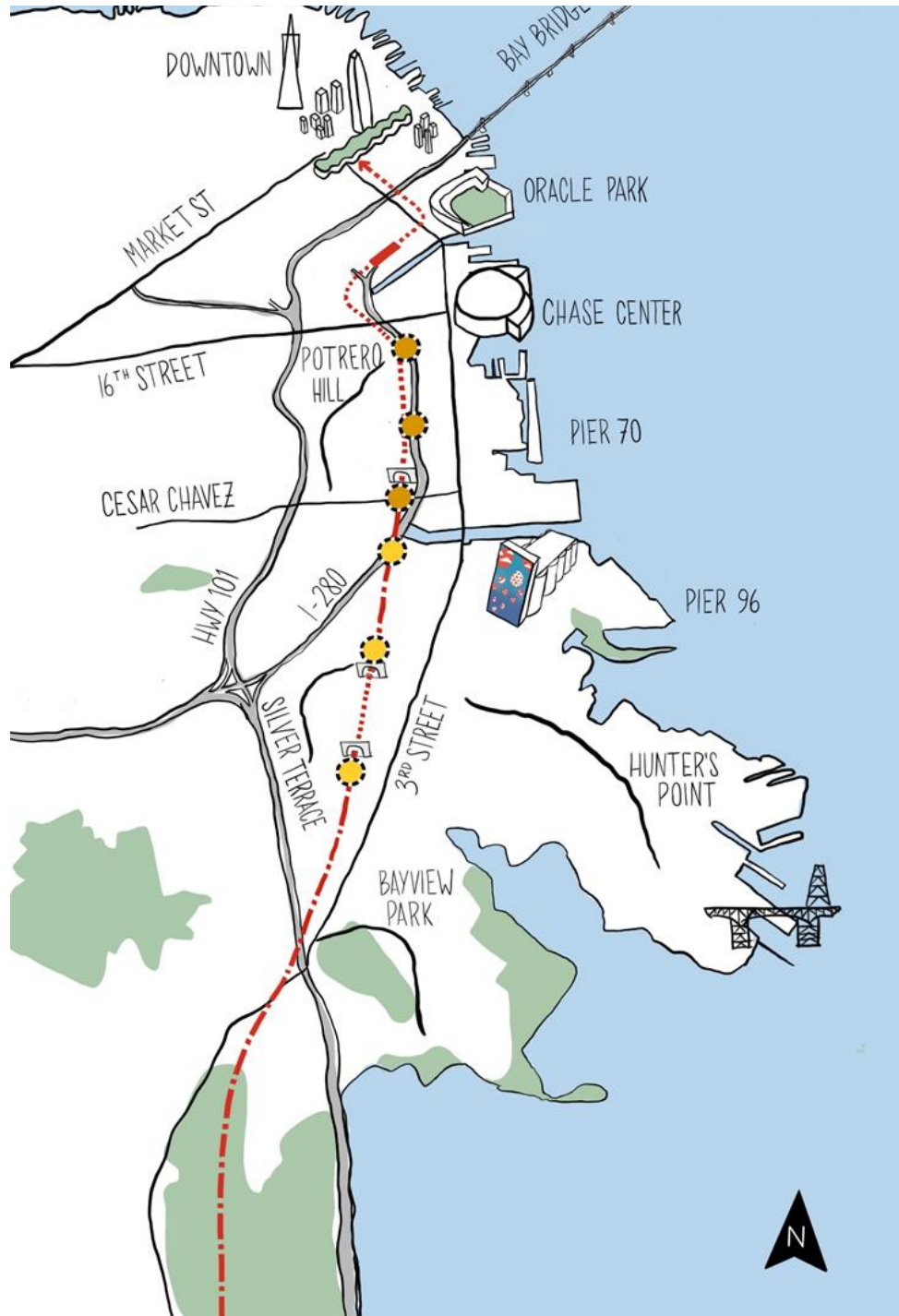
⁴ SFMTA, 2020, Bayview Community Based Transportation Plan, 2020. https://www.sfmta.com/sites/default/files/reports-and-documents/2020/03/bayview_cbtcp_final_draft.pdf

⁵ ConnectSF, Transit Strategy, 2021, https://connectsf.org/wp-content/uploads/ConnectSF_Transit_Strategy_FINAL-20211209-1.pdf, page 40

⁶ In 2020, the Planning Commission and Historic Preservation Commission adopted [Resolution No. 20738](#) and [Resolution No. 1127](#), respectively, centering San Francisco Planning's work and resource allocation on racial and social equity.

Chavez would be on the surface, near where the PAX tunnel might end. For a Bayview station, the options are at Evans Avenue, Oakdale Avenue, or Williams Avenue, similar to options studied before by Caltrans, the Redevelopment Agency, and SFCTA.

Figure 1: Southeast Rail Station Study Options: three Dogpatch/Portrero/Mission Bay options in orange and three Bayview options in yellow



These sites have been assessed for compatible present and future land uses, accessibility from the adjoining neighborhoods, and preliminary construction feasibility, among other factors.

Final Report: The final report can be found at the [Southeast Rail Station Study](#) website (www.sfplanning.org/SERSS). In brief, the report includes:

1. A comparison of the station alternatives
2. Maps of the surrounding land uses, sea level rise, transit network and more for each station
3. A summary of outreach activities to date

Appendix: The appendix includes the following:

- A. Existing and Future Conditions; Summary of Land Use Planning Policies
- B. Caltrain in San Francisco
- C. Community Engagement Summary
- D. Preliminary Cost estimates and
- E. Urban Design Framework

Recommendations: Recommendations based on the final Southeast Rail Station Study can be found in this Executive Summary starting on Page 6.

Outreach

Public Meetings in 2021

Following the conclusion of the technical alternatives analysis and concept development, project staff initiated three rounds of public outreach, including stakeholder presentations and interviews, to gather and document public input on the station ideas. In keeping with our focus on racial and social equity, public outreach focused on reaching communities that had traditionally not been heard at prior RAB Community Working Group meetings, including the Bayview and Shipyards Community Advisory Committees (CACs), community-based organizations serving the Cantonese-speaking and Spanish speaking populations. Multilingual posters and door hangers were distributed in the vicinity of the potential new stations, and a website, project email, and phone number were established.

There was strong interest in the study and its implementation, though there is no question that the pandemic limited the ability of connections between the community and staff. Due to extreme hardships of the COVID_19 pandemic within the Bayview community, many community members needed to focus on securing the health and safety of their families and community. During such times, participating in long-range infrastructure planning can seem detached from more immediate needs. The confluence of these factors resulted in community frustration with both the Department's process of engagement on this study as well as in the City's lack of progress in building a community-serving station and the need to schedule a public meeting which was held in June at the Bayview Opera House which is summarized below.

For the Dogpatch/Portrero/Mission Bay Station portion of the outreach, staff heard strong support to maintain the current station location. The Mariposa/16th Street option was also viewed favorably, while the Cesar Chavez station location received very little support.

Planning Commission Hearing in May 2022

At the May 12, 2022, Commission hearing on this item the discussion focused on a few key themes related to the location of the Bayview station. In general, Commissioners were supportive of the study and the need for high-quality stations in the Bayview and in the Dogpatch/Portrero/Mission Bay district. There was discussion that the Production, Distribution, and Repair zoning in the area should not be changed. This zoning has been further supported by the area's designation as a Priority Production Area by the Association of Bay Area Governments and the Metropolitan Transportation Commission. The preservation of these land uses, accounting for less than 5% of the City's land, remains a Commission priority.

Additional detailed questions are best handled in the next round of design and environmental review, which will be led and funded by SFCTA. Specifically, there will be a need for a detailed displacement analysis and community stabilization actions, including for small and legacy businesses, which will be based on policies found in the draft Housing Element.

In addition, there will need to be a broad ridership development plan for the Bayview station to ensure that the community has ready, affordable, and easy access to Caltrain including transfers to and from Muni transit service. Finally, the design of the station will need to analyze in detail the SFPUC site and its potential to be transformed once the new Southeast Community Facility is operationally.

Finally, there were many comments noting the decades of planning for the replacement of the Bayview Caltrain station formerly at Paul Avenue and the lack of delivery. The Commissioners expressed support for the past commitments to the Oakdale option pending more public discussion of the station options in the Bayview. Staff reported that an in-person public meeting was scheduled for June.

Bayview Community Meeting in June 2022

San Francisco Planning along with Caltrain, SFCTA, San Francisco Municipal Transportation Agency (SFMTA), and En2action held a community meeting on June 9th, 2022, with the goals of informing the Bayview community about the status of the proposed Caltrain station in Bayview and getting the community to weigh in on the suggested locations for the proposed Caltrain station. Targeted outreach was done with over 40 key community members, 25 community-based organizations, and the distribution of flyers to the YMCA, community center, senior center, City College site on Evans, and the Bayview library. District 10 Supervisor Walton also attended the meeting and made closing remarks.

There was a rich discussion at the meeting. The discussion is summarized in an outreach report on the project website and key messages are summarized below:

Summary of Public Comments

- A Caltrain station in Bayview would increase the opportunity for economic growth and developments in Bayview. A Caltrain station could link the Bayview to regional destinations and would open Bayview to regional visitors. Attendees voiced widespread support for a new station.
- Attendees emphasized that a new Caltrain station should provide meaningful job opportunities, job training, and youth development for people in the neighborhood. Specifically, the request was made for job opportunities that would be “beyond residents holding traffic-calming flags at construction sites.”
- Concerns were raised that gentrification and displacement could increase in the community because of

a new Caltrain station and subsequent growth.

- Environmental risks and concerns were also raised, specifically around soil contamination, increased air pollution, and flood risks.
- There is a strong interest that the station design and surrounding spaces reflect the community, including the use of murals, design, and cultural artifacts.
- Safety concerns that were raised included visibility at stations and safe pedestrian access.
- Attendees wanted to understand how other modes of transportation would connect to the proposed Caltrain station and how fares would be charged, given Caltrain's relatively high fares.
- Attendees asked that the surrounding areas and community be informed through deep and authentic engagement.

Comments Specific to Bayview Station Location

- Attendees who favored an Oakdale station seemed to be swayed by Oakdale's proximity to residential areas.
- Attendees who favored an Evans station cited the draw of the community center as a future anchor.
- While there was no consensus on a location for the Caltrain station, most participants preferred the Oakdale site.
- Some community members need more information to decide which location would be preferable. Key topics named were:
 - Ridership analysis - Who is riding Caltrain? Where are they coming from and going to?
 - Cost breakdown - Attendees asked for further fiscal analysis for both station options.
 - Construction- What precautions will be implemented for the community while building?

Recommendation

The Department recommends that the Commission **endorse** the Southeast Rail Station Study, **urge** decision-makers on certain matters, and **adopt** the attached Draft Resolution to that effect.

The urging statements proposed in the draft resolution are as follows:

I. Take necessary steps to advance a Caltrain Station in the Bayview with the following considerations:

- a. **Bayview Station: Restore Service.** Avoid further delays in restoring Caltrain rail service to the Bayview community. It is imperative that the City move past the conceptual and planning phase of work after twenty-plus years of study.
- b. **Bayview Station: Funding.** Commit sufficient resources to deliver this long-overdue project, including detailed design, environmental review, and associated community engagement. SFCTA should consider using Proposition K transportation sales tax funds.
- c. **Bayview Station: Location.** The station site should consider community support and engagement, compatibility with current and planned land uses, service to existing residential neighborhoods, neighborhood commercial corridors, ease of connections to SFMTA transit options, and costs of construction. Based on these criteria, the Commission supports planning for a new station between Jerrold and Oakdale to serve these purposes.
- d. **Bayview Station: Equitable Service.** Caltrain and SFMTA should advance coordinated fares and transit services to maximize equitable community use of the new station; SFMTA should

further advance street safety and accessibility improvements in the station area to increase non-motorized access to the station from the connecting neighborhoods.

II. Take necessary steps to advance a Portrero/Mission Bay/Dogpatch station with the following considerations:

- a. **Advance the PAX.** SFCTA should continue to advance design and necessary environmental review for the Pennsylvania Avenue Tunnel (PAX) project and the required changes to the current 22nd Street Station.
- b. **Portrero/Mission Bay/Dogpatch Location Criteria.** The final station site should consider community support and engagement, compatibility with current and planned land uses, service to existing residential neighborhoods, neighborhood commercial corridors, ease of connections to SFMTA transit options, and costs of construction. The optimal locations are at the current 22nd Street location or at the Mariposa / 16th Street option based on currently available information.

Basis for Recommendation

Bayview Station: Restore Service. The Bayview Community should have Caltrain station service restored. It is imperative that the City move past the conceptual and planning phase of work after twenty plus years of study. The Southeast Rail Station study recommendations reinforces key findings from several past (1988, 2002, 2005, 2014, and 2020) studies as cited in the “Background” section of this report. In light of past commitments by government to the Bayview community and in response to the Planning Commission’s resolution to center equity⁷ and with more than enough years of study, future efforts should result in a return of Caltrain service.

Bayview Station: Funding. There is a unique opportunity to advance a Bayview Community station to construction. Funds are available to support the project the current and proposed Proposition K funding plan, and increased funding at the state and federal levels also increase the chance to fund the project. In addition, funders are now placing increased attention on transit and job access in underserved communities, making transportation investments in the Bayview Community more competitive than ever. In addition, the 2020 adoption of the Caltrain Equity, Connectivity, Recovery and Growth Strategy⁸ also indicates a new level of support for this service. Caltrain’s Equity and Growth Strategy calls for the consideration of “*social, racial and geographic equity as a significant factor in determining the restoration and expansion of service frequencies at individual stations*”.

Bayview Station: Location. Planning Department staff urge that the optimal location for this station considering all currently available data is between Jerod Avenue and Oakdale. This location will deliver on twenty years of planning and funding commitments to the community and better supports current and planned community, with a combined 30,000 workers and residents within one-half mile of the proposed station by 2040⁹. The station

⁷ In 2020, the Planning Commission and Historic Preservation Commission adopted Resolution No. 20738 and Resolution No. 1127 respectively, centering San Francisco Planning’s work program and resource allocation on racial and social equity.

⁸ [Caltrain Board Meeting](#); Agenda: 2020-09- Agenda packet, page 393

⁹ [SERSS Report 2022](#), Table 3, page 11

location is also proximate to several community resources including the Third Street retail district (0.3 miles), the YMCA (0.5 miles), the Linda Brooks-Burton library (0.4 miles), the Bayview Opera House (0.3 miles), and the Joseph Lee Recreation Center (0.4 miles)¹⁰ This station option provides superior connections to SFMTA bus and rail services¹¹, and is currently estimated to cost \$80 million¹². The Oakdale/Jerold Station site continues to have relatively broad community support, as evidenced by feedback received throughout the last nine months.

In light of stakeholder interest and support, the Evans Avenue to Jerold Avenue station is an option should it prove to be financially feasible. However, it is not the optimal location. The station location is surrounded by industrial uses,¹³ with a projected number of 22,000 residents and workers combined.¹⁴ The adjoining land uses will pose acute challenges to creating a vibrant and easily accessible station area despite its relative proximity to the new Southeast Community Facility (0.5 miles), the City College campus (0.7 miles), and the Bayview Plaza shopping center at Third and Evans (0.5 miles). Furthermore, the location is in the middle of San Francisco's Bayshore/Central Waterfront/Islais Creek Priority Production Area,¹⁵ as adopted by the Board of Supervisors,¹⁶ Metropolitan Transportation Commission, and the Association of Bay Area Governments,¹⁷ which may threaten regional funding support for the station. The Evans station is currently estimated to cost \$200 million¹⁸ due to soft soils, limited site access, and a high water table, all of which would make construction more complicated and time-consuming while maintaining rail service.

Finally, considering strong community opposition as outlined in this memo and shown in the appendix¹⁹ the Williams Station should be removed from further study.

Bayview Station: Equitable Service. Whichever location is chosen, the community expects and has asked for coordinated and equitable fares between Caltrain and SFMTA for those transferring between systems. Paying full cash fares on both systems could put the cost of the trip out of reach of many potential and future riders. Another importance step will be for Caltrain to develop its ridership and outreach plans to improve community familiarity with the new service. SFMTA is expected to continue implementation of the projects and programs identified in the Bayview Community Based Transportation Plan, including those that will improve street safety and accessibility improvements to the station to increase walking and biking trips as well as drop-off and shuttle options at the station.

¹⁰ [SERSS Report 2022 Appendix](#), page 11 of 86

¹¹ [SERSS Report 2022 Appendix](#), page 16 of 86

¹² [SERSS Report 2022 Appendix](#), page 74 of 86

¹³ *ibid*

¹⁴ *ibid*

¹⁵ Metropolitan Transportation Commission, 2021, Draft Plan Bay Area 2050 Growth Geographies: Focus Areas for Future Housing and Jobs Growth, https://www.planbayarea.org/sites/default/files/documents/2021-05/Draft_PBA2050_Growth_Geographies_May2021--.pdf

¹⁶ San Francisco Board of Supervisors, 2019, Resolution to confirm existing and create new and revised designations of Priority Development Areas, Priority Conservation Areas, and Priority Production Areas by ABAG and MTC, as part of Plan Bay Area 2050 update, <https://sfbos.org/sites/default/files/r0008-20.pdf>

¹⁷ Metropolitan Transportation Commission and Association of Bay Area Governments, 2020, Approval of proposed Growth Geographies for integration into the Plan Bay Area, 2050 Draft Blueprint, https://www.planbayarea.org/sites/default/files/5a_PBA50_DraftBlueprint_GeographiesAction_Summary.pdf

¹⁸ *ibid*

¹⁹ *Ibid*, pages 40 - 63

Portrero / Mission Bay/ Dogpatch Station: Advance the PAX. To avoid catastrophic conflicts between high-speed rail and high-density, central city function, the Pennsylvania Avenue Extension (PAX) should be realized.

Portrero/Mission Bay/Dogpatch Station: Location. Bringing the PAX to fruition necessitates the relocation or redesign of the Caltrain 22nd Street station in the Dogpatch/Potrero/Mission Bay district. Based on strong community support and supportive land use, the 22nd Street location and the Mariposa/16th Street station locations are the preferred location for a station north of Islais Creek to serve existing and future land uses in these neighborhoods based on available information at this time.

Next Steps

Staff will present to the findings of this study to the San Francisco County Transportation Authority Board. That presentation is expected to take place July 26th. The SFCTA Board is expected to take an action in September 2022 with an allocation of funding for the next phase of work.

When Caltrain and the City advance towards construction of the Bayview station, Planning staff will support the transportation planning by advancing community stabilization efforts as proposed in the draft 2022 Housing Element. Further, staff will work with the San Francisco Public Utilities Commission (SFPUC) and other landowners in the area to seek opportunities to design an inviting station reflective of the rich history and culture of the Bayview district. Finally, consistent with clear direction from the community, economic and jobs analyses will be coordinated with the Office of Economic and Workforce Development (OEWD) and the SFPUC to ensure the station project generates new and lasting high-quality jobs for Bayview residents.



PLANNING COMMISSION DRAFT RESOLUTION

HEARING DATE: JULY 14, 2022

Project Name: Southeast Rail Station Study
Case Number: 2018-008588CWP
Initiated by: Planning Department Staff
Staff Contact: Doug Johnson, Transportation Planning Manager
doug.johnson@sfgov.org, 628.652.5555
Reviewed by: AnMarie Rodgers, Director of Citywide Division
anmarie.rodgers@sfgov.org, (628) 652-7471

Recommendation: **Adopt resolution endorsing the Southeast Rail Station Study and urging decision-makers to take necessary steps to re-establish Caltrain service in the Southeast portion of the City, based on findings in the study.**

WHEREAS, The Planning Commission (hereinafter “Commission”) conducted a duly noticed public hearing at a regularly scheduled meeting to consider initiation of the proposed Ordinance on July 14, 2022; and

WHEREAS, Section 4.105 of the Charter of the City and County of San Francisco specifies that the Department may prepare reports and recommendations to the Mayor, Board of Supervisors and other offices and governmental units as it may deem necessary to secure understanding and a systematic effectuation of the General Plan; and

WHEREAS, The Planning Department has determined that the Southeast Rail Station Study is not a project as defined by the California Environmental Quality Act (CEQA), per CEQA Guidelines 15060(c), and is thus not subject to environmental review; and

WHEREAS, The Commission has heard and considered the testimony presented to it at the public hearing and has further considered written materials and oral testimony presented on behalf of Department staff and other interested parties; and

WHEREAS, The launch of Caltrain’s electric service in 2024, the extension of service to the Salesforce Transit Center, and the arrival of High-Speed Rail will expand travel options for residents, workers, and visitors within San Francisco and throughout the region; and

WHEREAS, Increasing the use of these transit investments is critical to the city meeting its greenhouse gas reduction commitments and to meeting travel needs of its residents, students, and workers; and

WHEREAS, Improved access to Caltrain service in the form of improved existing Caltrain stations and new Caltrain stations between the future underground Fourth and Townsend station and the Bayshore station at the county line will help realize these benefits; and

WHEREAS, Regional rail service to the Bayview neighborhood was lost when the Paul Avenue Caltrain station closed in 2005 despite decades of planning for its replacement; and

WHEREAS, In 1988, Caltrans assessed the feasibility of replacing Paul Avenue with a new station to the north at Williams Avenue, Palou/Oakdale Avenue, or Evans Avenue, with Evans Avenue identified as the preferred location; and

WHEREAS, In 2002, the San Francisco Redevelopment Authority plan¹ identified the Oakdale-Palou area as the community's preferred location for a Caltrain station; and

WHEREAS, \$7.93 million was set aside for the Oakdale Station project in the 2003 Proposition K sales tax; and

WHEREAS, The San Francisco County Transportation Authority (SFCTA) completed the Bayview Oakdale Caltrain Station Study in 2005, which proposed and confirmed the engineering feasibility of a new station just north of Oakdale Avenue²; and

WHEREAS, In 2014, SFCTA's Caltrain Oakdale Station Ridership Study confirmed the ridership potential of a Caltrain station at that location at over 4,000 riders per day; and

WHEREAS, The 2020 Bayview Community-Based Transportation Plan³ includes an Oakdale Caltrain station as one of the neighborhood's most pressing transportation needs; and

WHEREAS, ConnectSF's 2021 Transit Strategy⁴ also recommended a new station in the Bayview; and

WHEREAS, Farther north, there is a need to replace or renovate the current 22nd Street Station in light of future changes to the tracks; and

WHEREAS, In 2015, the City started study and analysis of the Pennsylvania Avenue tunnel in 2015; and

WHEREAS, Construction of the Pennsylvania Avenue Extension (PAX) and Downtown Rail Extension (DTX) tunnels will fully underground the passenger rail corridor in San Francisco from north of Cesar Chavez to the Salesforce Transit Center; and

¹ Office of Community Investment and Infrastructure (formerly San Francisco Redevelopment Agency), 2002, [Ch 4 Part 2 - Physical Planning and Environmental Programs.pdf](#), page 106

² SFCTA, 2005, Bayview-Oakdale Caltrain Station Study: Design Feasibility Assessment and Station Concepts, Final Report, <https://www.sfcta.org/sites/default/files/2019-03/bayviewoakdalecaltrainstudy-finalv2.pdf>, page 32

³ SFMTA, 2020, Bayview Community Based Transportation Plan, 2020. https://www.sfmta.com/sites/default/files/reports-and-documents/2020/03/bayview_cbtp_final_draft.pdf

⁴ ConnectSF, Transit Strategy, 2021, https://connectsf.org/wp-content/uploads/ConnectSF_Transit_Strategy_FINAL-20211209-1.pdf, page 40

WHEREAS, The current 22nd Street Caltrain station may need to be relocated or reconfigured as part of the PAX tunnel project; and

WHEREAS, The Southeast Station Rail Study (“Study”) began in 2020 to address these issues, with a total budget of \$511,000 coming from a combination of funds from the Metropolitan Transportation Commission, SFCTA and Planning Department; and

WHEREAS, The Study addresses the future of stations in the southeastern part of San Francisco to meet the present and future needs of the City’s residents, businesses, institutions, and visitors; and

WHEREAS, The Study considers options for two station geographies: one station to restore regional rail service to the Bayview community that was lost when Paul Avenue Station closed and a second station at or in place of 22nd Street serving the growing Dogpatch/Portrero/Mission Bay neighborhoods; and

WHEREAS, The Study includes comparison of the station alternatives, maps of surrounding land uses, anticipated sea level rise, transit network and more for each station, and a summary of outreach activities to date; and

WHEREAS, Following the conclusion of the technical alternatives analysis and concept development, project staff initiated three rounds of public outreach, including stakeholder presentations and interviews, to gather and document public input on the station ideas; and

WHEREAS, In keeping with our focus on racial and social equity, public outreach focused on reaching communities that had traditionally not been heard at prior the Rail Alignment and Benefits (RAB) project’s Community Working Group meetings, including the Bayview and Shipyards Community Advisory Committees (CACs), community-based organizations serving the Cantonese-speaking and Spanish-speaking populations; and

WHEREAS, Staff has recommended that Caltrain establish a new station near Oakdale Avenue; and

WHEREAS, All pertinent documents may be found in the files of the Department, as the custodian of records, at 49 South Van Ness Avenue, Suite 1400, San Francisco; and

WHEREAS, The Commission has reviewed the Study, which is attached hereto as Exhibit A.

BE IT RESOLVED, that the Commission endorses the Southeast Rail Station Study (Study) and urges future decisionmakers to:

I. Take necessary steps to advance a Caltrain Station in the Bayview with the following considerations:

- a. **Bayview Station: Restore Service.** Avoid further delays in restoring Caltrain rail service to the Bayview community. It is imperative that the City move past the conceptual and planning phase of work after twenty-plus years of study.

- b. **Bayview Station: Funding.** Commit sufficient resources to deliver this long-overdue project, including detailed design, environmental review, and associated community engagement. SFCTA should consider using Proposition K transportation sales tax funds.
- c. **Bayview Station: Location.** The station site should consider community support and engagement, compatibility with current and planned land uses, service to existing residential neighborhoods, neighborhood commercial corridors, ease of connections to SFMTA transit options, and costs of construction. Based on these criteria, the Commission supports planning for a new station between Jerrold and Oakdale to serve these purposes.
- d. **Bayview Station: Equitable Service.** Caltrain and SFMTA should advance coordinated fares and transit services to maximize equitable community use of the new station; SFMTA should further advance street safety and accessibility improvements in the station area to increase non-motorized access to the station from the connecting neighborhoods.

II. Take necessary steps to advance a Portrero/Mission Bay/Dogpatch station with the following considerations:

- a. **Advance the PAX.** SFCTA should continue to advance design and necessary environmental review for the Pennsylvania Avenue Tunnel (PAX) project and the required changes to the current 22nd Street Station.
- b. **Portrero/Mission Bay/Dogpatch Location Criteria.** The final station site should consider community support and engagement, compatibility with current and planned land uses, service to existing residential neighborhoods, neighborhood commercial corridors, ease of connections to SFMTA transit options, and costs of construction. The optimal locations are at the current 22nd Street location or at the Mariposa / 16th Street option based on currently available information.

I hereby certify that the foregoing Resolution was adopted by the Commission at its meeting on July 14, 2022.

Jonas P. Ionin
Commission Secretary

AYES:

NOES:

ABSENT:

ADOPTED:

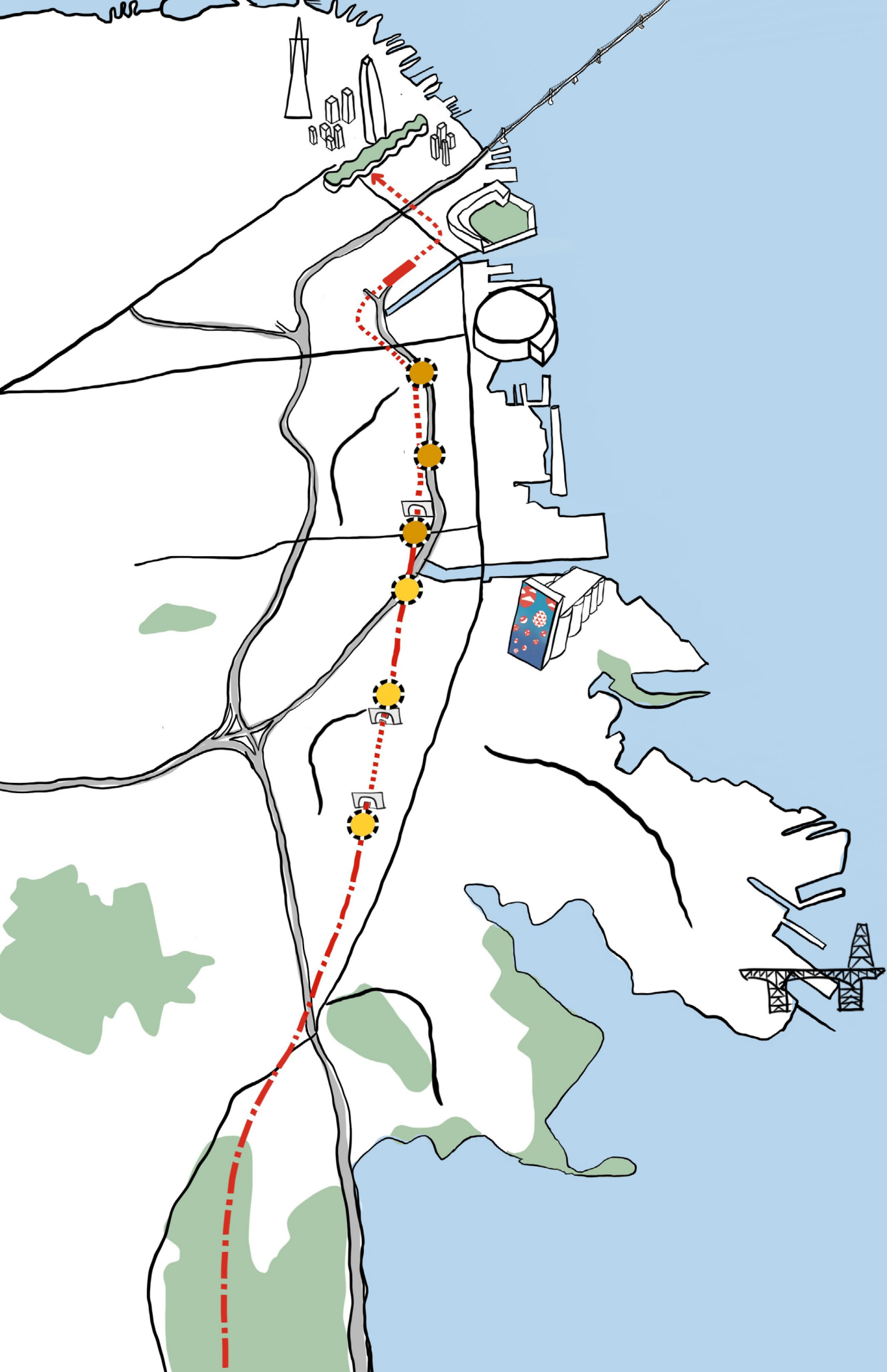


EXHIBIT A

SOUTHEAST RAIL STATION STUDY

Final Report - 2022

ACKNOWLEDGMENTS

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The Southeast Rail Station Study was funded by the Metropolitan Transportation Commission (MTC) and by the San Francisco County Transportation Authority through a grant of Proposition K Local Transportation Sales Tax funds. The contents of this report reflect the views of the authors, who are responsible for the facts and accuracy of the materials presented herein.

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EXECUTIVE SUMMARY

EXHIBIT A

STUDY PURPOSE

Passenger rail service from San Francisco to San José started over 150 years ago. Caltrain service saw steady ridership growth in San Francisco in the decades before the pandemic. Looking forward, the launch of Caltrain's electric service in 2024, the extension of service to the Salesforce Transit Center, and the arrival of High Speed Rail will expand travel options for residents, workers, and visitors within San Francisco and throughout the region. Increasing the use of these transit investments is critical to the city meeting its greenhouse gas reduction commitments and to meeting travel needs. To realize these benefits, San Francisco needs improved access to Caltrain service in the form of new and improved Caltrain stations between the future underground Fourth & Townsend Station and the Bayshore Station at the county line.

The City started study and analysis of the Pennsylvania Avenue tunnel in 2015. Construction of the Pennsylvania Avenue Extension (PAX) and Downtown Rail Extension (DTX) tunnels will fully underground the passenger rail corridor in San Francisco from north of Cesar Chavez to the Salesforce Transit Center. The current 22nd Street Caltrain station may need to be relocated or reconfigured as part of the PAX tunnel project and this study set out to identify where that station would be.

In the Bayview, the City seeks to restore regional rail service to the neighborhood that was lost when the Paul Avenue Caltrain station closed in 2005. Planning has been underway, with previous commitments by San Francisco City departments dating to 2005 and reaffirmed in the Bayview Community Based Transportation Plan and the ConnectSF Transit Corridors Strategy. With changes in community land use, transportation, and commute patterns since 2005, the team re-assessed potential station sites.

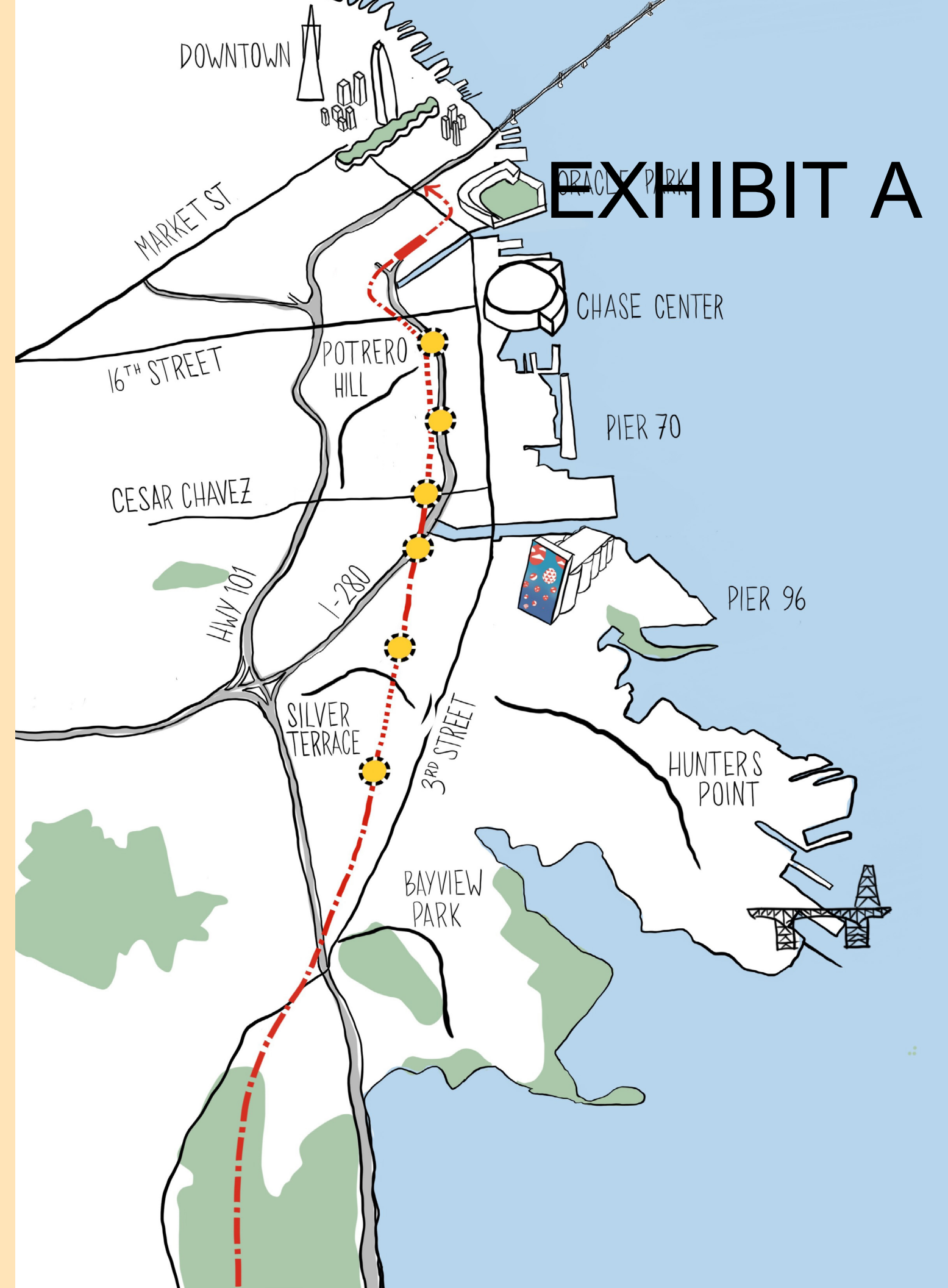
STUDY OUTCOMES

There is no single station site that can adequately serve the Bayview, Dogpatch/Potrero and their adjoining neighborhoods effectively given the distance, topographic barriers, and connectivity gaps between these areas. As a result, the City explored two stations to address the mobility needs of these communities. This study identifies three options to go with the Pennsylvania Avenue Tunnel at or near the existing 22nd Street Station and three options located in the Bayview neighborhood.

LEGEND

● Station Options

STUDY OVERVIEW





STUDY AREA

EXHIBIT A

The Caltrain rail corridor in San Francisco is part of a larger 77-mile rail corridor that runs all the way to San José and beyond into southern Santa Clara County. The San Francisco segment runs along US 101, through the Bayview, parallels I-280 through the Dogpatch, Potrero Hill, and Mission Bay, and terminates at the 4th & King station in SoMa. In addition to 4th & King, San Francisco has two other existing stations, one at 22nd Street in between Potrero Hill and the Dogpatch and a second, called Bayshore, right on the city boundary with Brisbane.

Built environment characteristics and population demographics vary dramatically within the corridor. The corridor contains a mixture of land uses ranging from low-density residential to multi-family high-rise apartments and from medical campuses to warehouse and industrial facilities. Freight transportation is important to the industrial land uses in the corridor, with the bulk of this activity occurring between Cesar Chavez and Oakdale Avenue. Several large development projects including Pier 70, Potrero Power Station, Potrero HOPE SF, India Basin Mixed-Use Project, and Candlestick Point/Hunter's Point Shipyard are all within the catchment area of the corridor. The corridor passes through multiple communities with the highest level environmental justice burden, as defined by CalEnviroScreen¹ and supplemented by local pollution and demographic data.

All parts of the corridor have some connectivity to the existing transit network. Bus routes and shuttle services may be adjusted in the future to serve the future station locations while the T-Third and other light rail lines are generally fixed in place. The many topographic and human-made barriers in the southeast also play a role in current and future station access. Walk and bike routes are constrained or made more stressful by the I-280, US-101, Islais Creek, and Caltrain infrastructure barriers that define this portion of the city. Some of the traffic stress and connectivity issues will be addressed in coming years by projects such as the Bayshore Boulevard protected bike lanes, implementation of the Bayview Community-Based Transportation Plan recommendations, and the 16th Street improvement project. Grade separating the Caltrain corridor with the PAX project will also help to improve connectivity to Dogpatch and Mission Bay.

Lastly, significant portions of low-lying southeastern San Francisco, including portions of the rail alignment, are at risk of sea level rise, more regular flooding and salt water intrusion. Corridor maps showing sea level rise, mobility barriers, land use patterns, and all the other topics mentioned above are available in Appendix I: Existing and Future Conditions.

¹ A tool created by CalEPA& OEHHa that maps California communities that are most affected by pollution and other health risks.

LEGEND

- | | | |
|------------------------------------|-----------------------------|--------------|
| ●●● Study Corridor | ● Salesforce Transit Center | — Muni Metro |
| --- Central Subway Project | ● BART Station | — BART |
| --- Downtown Extension | ○ Caltrain Station | — Caltrain |
| ■ Pennsylvania Ave Extension Study | | |

STUDY BACKGROUND

SF Planning is evaluating the medium- to long-term future of Caltrain stations in southeast San Francisco. In March 2020, SF Planning — in partnership with the San Francisco County Transportation Authority (SFCTA), the San Francisco Municipal Transportation Agency (SFMTA), and Caltrain — began to explore options should the extents of a planned rail tunnel under Portrero Hill require the redesign or relocation of the Caltrain 22nd Street Station. Acknowledging the Planning Commission’s charge to center the Planning Department’s work program around racial and social equity through Commission Resolution No. 20738, as well as prior commitments to a future Bayview station, the Study’s scope was subsequently expanded to include a priority to restore regional rail access to the Bayview-Hunters Point neighborhoods. The work was then renamed to the Southeast Rail Station Study.

The Southeast Rail Station Study builds on many decades of planning and operational changes in the southeast rail corridor. All of these efforts must work together and complement one another.


TRAIN OPERATIONS


There has been passenger rail service on the corridor for more than 150 years. Caltrain currently operates passenger rail and shares the tracks with freight trains operated by Union Pacific Railroad. Caltrain owns most of the corridor. Freight trains deliver and receive shipments at the Port of San Francisco. In the future, California High Speed Rail will also share these tracks.


The system known today as Caltrain had its start in 1992, when San Francisco, San Mateo and Santa Clara counties took over operation of the train. Caltrain currently operates a regional rail service, running over 100 trains per day with 31 stations between San Francisco and Gilroy.


RAIL IMPROVEMENT PROJECTS IN THE CORRIDOR


Caltrain operates on a dynamic corridor that is in the process of several major studies and changes that will improve the service and allow for increased access to the system.

Caltrain Electrification : Caltrain is in the middle of their electrification program, where it is replacing diesel trains with new electric train sets. This includes the installation of electric infrastructure and wires along the tracks. Caltrain Electrification will improve Caltrain system performance and curtail long-term environmental impacts by reducing noise, improving regional air quality, and lowering greenhouse gas emissions. The majority of these environmental impacts have disproportionately affected the lower income and predominantly Black, Indigenous, Hispanic, and Asian communities along the rail tracks including Visitacion Valley, Bayview, and Dogpatch.

22nd Street Access Study : Caltrain is nearing the end of a feasibility study investigating potential station access and accessibility improvements within the footprint of the existing 22nd Street Station. The study identified ramp improvement options for the northbound and southbound platforms. These are near- to medium-term improvements.

Caltrain Long Range Service Vision : In 2019, the Caltrain Board adopted a long-range service vision that includes higher frequency electrified service that would allow ridership to grow to 180,000 daily riders. This would be the equivalent of eliminating 825,000 car trips and 110 metric tons of carbon emissions every day and would put an estimated 5.5 lanes worth of commuter traffic onto Caltrain instead of the region’s highways.

Downtown Rail Extension (DTX) : DTX will extend Caltrain from its current terminal at 4th and King to the Salesforce Transit Center via a new tunnel. The project will construct a new station at 4th and Townsend streets and bring rail service to the undergoing train station that was built as part of the construction of Salesforce Transit Center. This project is environmentally cleared and is in final design. Construction is anticipated to begin in 2025 and to last approximately 6 to 8 years. The Transbay Joint Powers Authority (TJPA) is the lead agency.

Pennsylvania Avenue Extension (PAX) : PAX is being designed by the SFCTA to connect DTX to a tunneled rail alignment south from 4th and Townsend along 7th Street and Pennsylvania Avenue. This route was endorsed by the Mayor’s Office and the Board of Supervisors in 2018 following completion of the San Francisco Planning Department’s Railyard Alignment and Benefits Study. PAX will eliminate conflicts between trains and street users at Mission Bay Drive and at 16th Street, reconnect neighborhoods, and improve safety for pedestrians, bikes, buses, and cars. PAX would eliminate gated crossings and long gate-down times, which would increase to unworkable levels with Caltrain’s Service Vision and the addition of High Speed Rail service. The PAX project is still in concept development and the southern terminus of the tunnel is still unknown. Moving the tracks to fit in the new PAX tunnel may require construction of a new station to replace 22nd Street and the best place might not be right at 22nd Street but somewhere else in the stretch between 16th Street and Cesar Chavez. There are three tunnel options under consideration at this time.

RAIL SERVICE IN THE BAYVIEW

The Paul Avenue Caltrain station in the Bayview was closed in 2005. Several studies conducted both prior to and after the Paul closure explored alternative station locations. A 1988 Caltrans study assessed the feasibility of replacing Paul Avenue with a new station to the north at Williams Avenue, Palou Avenue, or Evans Avenue, with Evans Avenue identified as a preferred location.¹ A 2002 San Francisco Redevelopment Authority plan identified the Oakdale-Palou area as the community’s preferred location for a Caltrain station. The SFTCA completed a 2005 study, which proposed and confirmed the engineering feasibility of a new station just north of Oakdale Avenue, and a subsequent study in 2014 confirmed the ridership potential of a Caltrain station in that location.^{2,3} The recently completed Bayview Community Based Transportation Plan includes an Oakdale Caltrain Station as one of the neighborhood’s most pressing transportation needs.⁴ ConnectSF’s Transit Strategy also recommended a new station in the Bayview.⁵

The Southeast Rail Station links prior findings to the rail improvement projects described above. In particular, this study links the intention to restore a Bayview station to PAX’s need to relocate or redesign a station in the Dogpatch/Potrero.

CORRIDOR LAND USE

Land uses in the area have been planned with extensive community input over the last 20 years. The Bayview Hunters Point Area Plan, Eastern Neighborhoods Plan, Mission Bay Plan, and the Central Waterfront Plan guide development in the corridor. These plans balance community needs and wishes for these districts across critical needs for community services, transportation access, housing options, a diversity of employment, and institutional functions. The draft 2022 Housing Element is another key milestone as the City looks to balance recent planned and approved growth in the eastern part of San Francisco and increase housing supply more evenly across the city.

¹Evaluation of the Feasibility of Constructing a Peninsula Commute Service (CalTrain) Station in the South Bayshore/Hunters Point Area of San Francisco and of Closing the Paul Street Station. California Department of Transportation, District 4: Public Transportation Branch. Fall 1988.
²Bayview-Oakdale Caltrain Station Study: Design Feasibility Assessment and Station Concepts Final Report. SFTCA. February 2005. <https://www.sfcta.org/sites/default/files/2019-03/bayviewoakdalecaltrainstudy-finalv2.pdf>
³Caltrain Oakdale Station Ridership Study. SFCTA. March 2014. https://www.sfcta.org/sites/default/files/2019-03/OakdaleRidership_final_report.pdf
⁴Bayview Community Based Transportation Plan. SFMTA. February 2020.
⁵ConnectSF’s Transit Strategy. December 2021. <https://connectsf.org/transit-strategy/>

EXHIBIT A

APPROACH AND PROCESS

The Southeast Rail Station Study included five phases of work:

PHASE 1: CORRIDOR CONTEXT RESEARCH (SUMMER/FALL 2020)

The study team reviewed studies previously completed within the southeast rail corridor. The historic findings and recommendations were summarized alongside information on the current state of the corridor to understand the possible paths forward. It was at this stage in the work that the study was expanded from a narrow focus on the PAX corridor to include consideration of a station in the Bayview. Topics explored in this phase of work included land use regulations, current and future development, demographics, the circulation network, natural topography and water features, hazards, and community facilities. A visual summary was prepared for this phase of work and is preserved as Appendix I.

PHASE 2: STATION LOCATION RESEARCH AND CONCEPT DEVELOPMENT (FALL/WINTER 2020-21)

The discoveries from phase 1 were paired with more recent station standards and electrification plans provided by Caltrain and High-Speed Rail to inform the station location survey. In this phase of work, the study team identified all possible station sites between the future 4th & Townsend station and the existing Bayshore station. The evaluations considered the following criteria when identifying feasible locations: track geometry (stations cannot be built on a curve), topography (hills and creeks are barriers), infrastructure (I-280 and railroad accessory structures are constraints) and critical land uses (facilities such as the Southeast Wastewater Treatment Plant cannot be moved). All three location options identified in the Bayview – Evans Avenue, Oakdale Avenue, and Williams Avenue – were options previously studied by the community; this study confirmed that no other sites are feasible. The three location options identified in the Dogpatch/Potrero stretch – Mariposa Street, 22nd Street, and Cesar Chavez Street – are now the station option inputs for ongoing analysis of the PAX tunnel.

PHASE 3: STATION LOCATION EVALUATION, CONCEPT REFINEMENT, AND ENGINEERING FEASIBILITY (SPRING/SUMMER 2021)

The location options identified in phase 2 were refined and explored in more detail in phase 3. As an example, the corridor-level data assembled in phase 1 was summarized at the station-level in this phase. The study Goals and Objectives (shown on the next page) were used to create an evaluation matrix of station-area characteristics. More complete engineering feasibility studies were undertaken, and the concept plans in this report were prepared to help visualize the alternatives. It was during this phase, that the study team reached the conclusion that two separate stations would be needed to adequately serve the Dogpatch/Potrero and Bayview communities. The conclusions from this phase of work are summarized in the Key Findings section.

PHASE 4: COMMUNITY OUTREACH (FALL/WINTER 2021-22)

The study team summarized and shared the work completed in phases 1-3 with the various communities in southeastern San Francisco. Many of these communities had been involved in the previous corridor and station studies and it was important to provide an update on how work was progressing and to paint a complete picture of the station options with a clear articulation of the pros and cons of each location. This phase included two rounds of online workshops and 15 one-on-one meetings with community groups and stakeholders. The workshops were recorded and made available for wider distribution and to memorialize the findings beyond the end of the study. Although this study did not set out to select a preferred station option, many community members and groups provided input on their preferred station location. The structure and details of phase 4 are documented in the Engagement Summary section and feedback takeaways are summarized in the Key Findings section.

PHASE 5: DOCUMENTATION (WINTER/SPRING 2021-22)

The final phase of work involved documenting all the work completed in phases 1-4. This report is the product of that work and is accompanied by an appendix covering the breadth of work completed throughout the study. Documentation of the very detailed technical work, including the engineering feasibility, cost estimates, and station evaluations are compiled in a separate compendium available to aid in advancing these stations to design and construction. Outreach to community groups, community advisory committees, and boards and commissions continued during this phase.

CORE TEAM

A working group of key agency stakeholders was formed at the beginning of the study and participated in all five phases of work. This group, referred to as “the Core Team,” included representatives from Caltrain, the San Francisco County Transportation Authority (SFCTA), the San Francisco Municipal Transportation Agency (SFMTA), San Francisco Planning Department, and the consultant team. The group met 16 times between April 2020 and December 2021 to discuss study progress and offer direction on the next steps. Additionally, core team agencies provided regular updates on the PAX project, the Caltrain 22nd Street Access Study, and ConnectSF’s Transit Corridors Study. It will be important to maintain close coordination between these agency partners and their work as station design and engineering progress in the southeast corridor.

EXHIBIT A

GUIDING GOALS & OBJECTIVES

ConnectSF is the City’s long-range transportation planning program that integrates transportation investments in tandem with how San Francisco will grow and develop. The goals and objectives for this study are adapted from the ConnectSF’s goals by converting citywide objectives into neighborhood- and station-scale objectives. These objectives were further cross-checked and refined against the goals created for the Railyard Alignment and Benefits (RAB) Study and the Bayview Community Based Transportation Plan — the two most recent plans to suggest new or relocated rail stations in southeast San Francisco. These goals and objectives establish the framework for key findings in the next section.

ConnectSF Goal	Goal Description	Southeast Rail Station Study Objectives	
Equity	San Francisco is an inclusive, diverse, and equitable city that offers high-quality affordable access to desired goods, services, activities, and destinations	1a	Create equitable access to schools, jobs, and services that is fast and convenient
		1b	Expand affordable travel options for low- and moderate-income households and for historically disenfranchised communities
		1c	Add housing for low- and moderate-income groups and families
		1d	Preserve affordable housing, especially in areas receiving new infrastructure investment
Economic Vitality	To support a thriving economy, people, and businesses easily access key destinations for jobs and commerce in established and growing neighborhoods both within San Francisco and the region	2a	Increase capacity, reliability and connectivity of regional transportation connections
		2b	Maintain efficient goods movement to, from, and within the Eastern waterfront
		2c	Minimize construction and station placement impacts in order to retain small businesses and the production/ distribution/repair (PDR) ¹ sector, with businesses of all sizes and with a range of job opportunities for people of all skills sets
Environmental Sustainability	The transportation and land use system support a healthy, resilient environment and sustainable choices for future generations	3a	Establish low-carbon and active transportation modes as the preferred means of travel in San Francisco
		3b	Major transportation investments maximize climate change resiliency and hazard mitigation
		3c	Add transit-oriented and infill development as well as development in Priority Development Areas (PDAs) ² to reduce local and regional pollution
Safety & Livability	People have attractive and safe travel options that improve public health, support livable neighborhoods, and address the needs of all users	4a	Improve the transportation system’s ability to accommodate all users, especially those with mobility impairments
		4b	Create regional transit stations that are attractive to the local community, safe, green places to walk, bike, and socialize
Accountability & Engagement	San Francisco city agencies, the broader community, and elected officials, work together to understand the city’s transportation needs and to deliver projects, programs, and services needed in a clear, concise and timely fashion	5a	Increase engagement with under-represented communities and groups
		5b	Provide timely and frequent information and engagement opportunities, with transparent decision-making processes, so that the community and decision-makers share ownership of actions
		5c	Allocate capital resources efficiently and cost-effectively
		5d	Coordinate with parallel studies efficiently and cost-effectively

¹PDR represents a range of business types and industries that despite their obvious diversity, share the need for relatively flexible building space, cheap rents, and in most cases, a separation from housing. PDR includes the following activities: food and beverage wholesale and distribution; fashion/garment design and manufacture; delivery services (messengers, airport shuttle vans, taxis, limousines); event production and catering; construction contractors and building material suppliers; wholesale and retail of furniture, equipment, appliances, and furniture manufacture; printers, designers, photographers, film producers, graphic designers, and sound-recording firms; and repair shops for cars, trucks, equipment, and appliances.

²Local governments define areas with high-quality public transit and a mix of land uses as PDAs to concentrate growth in population, jobs, and community amenities. This approach was developed by the Metropolitan Transportation Commission and is consistent across all Bay Area cities and counties.

EXHIBIT A

KEY FINDINGS

EXHIBIT A

The purpose of the Southeast Rail Station Study was to identify all possible station locations in the Dogpatch/Potrero and Bayview sections of the corridor, document attributes of each location that might influence station design and ridership potential, and share this information with the community. A secondary purpose of the study was to determine whether, given the station options and community input, southeast San Francisco would be best served by one or two stations in this stretch.

The City recommends that in the future there be two stations between the 4th & King and Bayshore stations: one at or near the existing 22nd Street Station and a new station that restores service to the Bayview. Station location possibilities were determined based on the engineering criteria described in the Study Overview section. Station location options in the Dogpatch/Potrero are centered around Mariposa Street, 22nd Street, and Cesar Chavez Street, and station location options in the Bayview are centered around Evans Avenue, Oakdale Avenue, and Williams Avenue.

Of these options, there is no single station site that can adequately serve both the Bayview and the Dogpatch/Potrero neighborhoods given the topographic barriers and connectivity gaps between these two areas. Community feedback also indicated support for a station in each neighborhood.

Future PAX studies can advance the Dogpatch/Potrero station, while the City, the community, and Caltrain can independently advance a station in the Bayview. Service planning for the two stations will need to be a coordinated effort with Caltrain.

Tables 2 summarizes analysis findings and community input for the Dogpatch/Potrero station options. Table 3 does the same for the Bayview station options. These findings are associated with the preferred station concepts identified in the engineering feasibility stage of this work.

TABLE 2: SUMMARY OF FINDINGS FOR DOGPATCH/POTRERO STATION OPTIONS

Station Attributes & Findings (SERSS Objective)	Mariposa Street	22 nd Street	Cesar Chavez Street
	STATION AREA & ACCESS		
Population Density – how many people live or work in the immediate catchment area (0.5 miles) today and are projected to in the future? (1b, 2a)	People per square mile: 2017: 12K residents 2040: 35K employees, 36K residents	People per square mile: 2017: 12K residents 2040: 15K employees, 25K residents	People per square mile: 2017: 6K residents 2040: 15K employees, 12K residents
Connecting Streets – what streets would provide walk, bike, transit, drive access, and pick-up/drop-off? (3a)	Pennsylvania Avenue Mariposa Street ¹ 16 th Street ² 17 th Street ¹ 18 th Street Owens Street ¹ Primary freight corridor ² Connection would be provided via pathways or tunnels under I-280	22 nd Street 23 rd Street Pennsylvania Avenue Iowa Street	Cesar Chavez Street ¹ Pennsylvania Avenue 25 th Street ² Mississippi Street Marin Street ¹ Primary freight route ² Connection would be provided via path through Tunnel Top Park
Development and Placemaking Potential – what opportunities exist to add residential or commercial density around the site and create a vibrant station area? (2c, 3c)	<p>Located in a Priority Development Area, which means that the City encourages development in this area, with funding support from the region.</p> <p>Of parcels within 1/4-mile, about one-quarter are zoned for residential and the rest are zoned for mixed use. Residential and employment uses can be added and commercial can support placemaking.</p> <p>Multiple adjacent developments are in planning or already permitted.</p>	<p>Located in a Priority Development Area, which means that the City encourages development in this area, with funding support from the region.</p> <p>Of parcels within 1/4-mile, about one-third are zoned for residential, one-third for mixed-use or neighborhood commercial, and one-third for PDR. PDR zoning does not support denser uses, but residential uses could be added, and neighborhood commercial can support placemaking.</p> <p>Neighborhood is already oriented around the existing station and multiple site offer opportunity to develop further. SF Muni Woods Division unlikely to move but could add housing.</p>	<p>Located on the border of a Priority Production Area, which is reserved for PDR uses, and Priority Development Area.</p> <p>Of parcels within 1/4-mile, nearly all parcels are zoned for PDR with only a small section zoned for residential or mixed-use development. PDR zoning does not support denser uses, but residential uses could be added.</p> <p>Islais Creek Muni Facility unlikely to move but could add housing. Multiple adjacent PDR projects are in planning or already permitted.</p>
STATION CHARACTERISTICS			
Station Type – what type of station design is most likely at this station? (4a)	Below ground tunnel station similar to a Market Street BART station. Stairs, elevators, and escalators would be required.	Three design options: an open-air station with the same general feel as the current station, a split station with one open-air platform and one tunnel platform, and a fully below-ground tunnel station similar to BART on Market Street. All options would require stairs, elevators, and ramps.	Open-air platform between the tunnel portal and Marin Street. Station would be below Tunnel Top Park, at street-level along Mississippi, and above street-level south of Cesar Chavez. Stairs, ramps, and elevators would be required.
Rider Experience – are there opportunities for a station entrance/ plaza? Other notable components of the rider experience? (4b)	Plaza opportunity at Owens and Mariposa. Station experience would be similar to that of a deep BART or Central Subway station.	Existing plaza on 22 nd Street would remain and new opportunity along 23 rd Street. Tunnel options also open programing opportunities in the space vacated by the existing station platforms and tracks.	Opportunities for station entrance plazas at Cesar Chavez and at Tunnel Top Park via 25 th Street/Pennsylvania Avenue. Good visibility between platforms and surrounding street network. Little protection from the elements.
Hazard Risks – what environmental risks are present at the site? (3b)	Located within moderate to very high earthquake liquefaction susceptibility zone.	Surface level design options would be susceptible to damage from I-280 collapse and landslide; tunnel options have little exposure to hazard risks.	Located within sea-level rise vulnerability zone, 100-year flood risk zone and very high earthquake liquefaction susceptibility zone. Within 100’ buffer of waterfront, soft soils, and high water table.
Construction Cost – how much would the most likely design cost?* (5c) <small>*Rough-order-magnitude station cost estimates exclude PAX tunnel costs.</small>	\$\$\$ Largest costs: constructing a very deep underground station with mezzanine level while working within a constrained space between the I-280 columns, paralleling station, and adjacent land uses.	\$\$-\$\$\$ Largest costs: depends on design option (see Station Options section for more details on designs). Components include moving the existing retaining wall, adding access from 23 rd Street, and constructing an underground station with mezzanine level.	\$\$ Largest costs: rebuild Marin Street and Cesar Chavez Street bridges, widen embankment, and construct elevated plaza at Cesar Chavez all within poor soil condition and around high-risk utilities. <small>*PAX would need to tie-in north of tunnel portal for this design to work</small>
Operational Complications – who else uses this site and what effect would construction have on train operations? (2b, 5d)	Caltrain could operate normally during station construction. PAX design and operations still to be determined.	Caltrain could operate normally during station construction of a full tunnel station; the 22 nd Street station would have to close during construction with the split or rebuild options. PAX design and operations still to be determined.	Targeted, extended interruption for bridge replacements. Otherwise, normal operation during construction. PAX design and operations still to be determined.
COMMUNITY SENTIMENT			
Community Feedback – what arguments did community members share in favor of or against the site? (5a, 5b)	<i>Positive:</i> density of people and jobs <i>Negative:</i> station access interplay with freeway off-ramps	<i>Positive:</i> existing rider community is already established, density of people <i>Negative:</i> commuters parking in the residential neighborhood	<i>Positive:</i> more easily accessible by car <i>Negative:</i> not a pedestrian-friendly environment,lots of trucks, and seems far from current and planned housing and jobs

EXHIBIT A

TABLE 3: SUMMARY OF FINDINGS FOR BAYVIEW STATION OPTIONS

Station Attributes & Findings (SERSS Objective)	Evans Avenue	Oakdale Avenue	Williams Avenue
STATION AREA & ACCESS			
Population Density – how many people live or work in the immediate catchment area (0.5 miles) today and are projected to in the future? (1b, 2a)	People per square mile: 2017: 1K residents 2040: 19K employees, 3K residents	People per square mile: 2017: 14K residents 2040: 14K employees, 16K residents	People per square mile: 2017: 21K residents 2040: 8K employees, 26K residents
Connecting Streets – what streets would provide walk, bike, transit, drive access, and pick-up/drop-off? (3a)	Evans Avenue¹ Jerrold Avenue² Rankin Street ^{2,3}	Quint-Jerrold Connector Road ¹ Oakdale Avenue Quint Street (east) Phelps Street ² Jerrold Avenue³ Palou Avenue ⁴	Williams Avenue Kalmanovitz Street Egbert Avenue Mendell Street Carroll Avenue ¹
High-Injury Network Corridor (see Vision Zero SF for more information)	¹ Primary freight corridor ² Complicated by SF Wholesale Produce Market entrance ³ Complicated by active freight spur east of tracks	¹ Currently in design phase ² Would require easement on City College/SE Facility site ³ Complicated by SF Wholesale Produce Market entrance ⁴ Close parallel suitable for primary bike and/or transit connections	¹ Complicated by active freight spur east of tracks
Development and Placemaking Potential – what opportunities exist to add residential or commercial density around the site and create a vibrant station area? (2c, 3c)	Located in a Priority Production Area, which is intended to be preserved for PDR uses. Located outside of Priority Development Area. All parcels within 1/4-mile are zoned for PDR or Public uses and other uses are prohibited. SF Wastewater Treatment Plant and SF Wholesale Produce Market are unlikely to move. Multiple adjacent PDR project are in planning or already permitted.	Located on the border of a Priority Production Area and Priority Development Area. Of parcels within 1/4-mile, about half are zoned for PDR and half are zoned either for residential or neighborhood commercial. PDR and Industrial zoning does not support denser uses, but residential uses could be added, and neighborhood commercial can support placemaking. SF Water Treatment Plant and SF Wholesale Produce Market are unlikely to move. Southeast Community Facility could be redeveloped.	Located in a Priority Development Area, which means that the City encourages development in this area, with funding support from the region. Of parcels within 1/4-mile, about one-third are zoned for PDR or Industrial and the rest are zoned for either residential or neighborhood commercial. PDR zoning does not support denser uses, but residential uses could be added, and neighborhood commercial can support placemaking. Florence Fang Community Farm is unlikely to move.
STATION CHARACTERISTICS			
Station Type – what type of station design is most likely at this station? (4a)	Raised, open-air platform on an embankment between Jerrold Ave. and Evans Ave. Stairs, ramps, and elevators would be required.	Open-air platform, below street-level at Oakdale Ave., even with street-level alongside the Quint-Jerrold Connector, above street-level at Jerrold Ave. Stairs, ramps, and elevators would be required.	Open-air platform below street-level in canyon below Williams Ave. Stairs, ramps, and elevators would be required.
Rider Experience – are there opportunities for a station entrance/plaza? Other notable components of the rider experience? (4b)	Limited space for entrance plaza, may be a small opportunity off Evans. Good visibility between platforms and surrounding street network. Little protection from the elements.	Opportunity for entrance and possibly even a station building on PUC site. Opportunity for plaza at Quint and Newcomb. Good visibility between platforms and surrounding street network. Little protection from the elements.	Limited space for entrance plaza, may be a small opportunity off Williams. Platforms would be below street-level and would feel disconnected from surrounding street network and neighborhood.
Hazard Risks – what environmental risks are present at the site? (3b)	Located within sea level rise vulnerability zone, 100-year flood risk zone, very high earthquake liquefaction susceptibility zone, soft soils, and high water table zone.	Located at the edge of the sea level rise vulnerability zone and within soft soils and high water table zone.	Located within 100-year flood risk zone and high earthquake liquefaction susceptibility zone.
Construction Cost – how much would the most likely design cost? (5c)	\$\$ Largest costs: embankment widening in soft soil site, limited access between bridges, proposed HSR radio site, and I-280 columns.	\$ Largest costs: embankment grading and widening, relocate freight spur.	\$ Largest costs: grading to access station, elimination of freight spur activity. ¹ ¹ If freight spur remains, the station would need to move north and the Williams Street bridge would need to be rebuilt.
Operational Complications – who else uses this site and what effect would construction have on train operations? (2b, 5d)	Possible single tracking for trains during construction. Active UPRR freight spur east of tracks would remain in operation.	Single tracking required during construction. Active UPRR freight spur east of tracks would remain in operation.	Single tracking required during construction. Active UPRR freight spur east of tracks would need to be taken out of service.
COMMUNITY SENTIMENT			
Community Feedback – what arguments did community members share in favor of or against the site? (5a, 5b)	<i>Positive:</i> connection to Hunters Point Shipyard, proximity to new Southeast Community Center <i>Negative:</i> surrounded by industrial uses, Evans is unsafe for walking and has limited transit access	<i>Positive:</i> close to the heart of the Bayview, potential to repurpose Southeast Community Center for transit station/hub/community use, strong transit connectivity, connection to India Basin/Hunters Point Shipyard, historic City and community support for this location and through Quint Street <i>Negative:</i> surrounded by industrial uses	<i>Positive:</i> none <i>Negative:</i> concerned about impact on Florence Fang Community Farm

EXHIBIT A

STATION OPTIONS

This chapter presents six different location options named after their main cross street: the Mariposa, 22nd Street, and Cesar Chavez options serve the Dogpatch/Potrero and Mission Bay; and the Evans, Oakdale, and Williams options serve the Bayview and Hunters Point. The 22nd Street location shows three different design alternatives, each of which was conceived to fit with one or more of the PAX tunnel alternatives. All other locations have just one design at this stage in the planning process and all designs are subject to change with further engineering and design studies.

Three shortlisted alignment alternatives were evaluated in the PAX project initiation study as follows: 1) a full-length tunnel alignment in either single-bore or twin-bore configuration connecting the DTX interface to Cesar Chavez Street, which bypasses the existing 22nd Street Station; 2) a mid-length tunnel alignment in either single-bore or twin-bore configuration connecting the DTX interface to the existing rail alignment north of the existing 22nd Street Station, which allows for continued use of the 22nd Street Station with some modifications; 3) a short alignment with split tunnels for different directions connecting the DTX interface to the existing rail alignment north of the existing 22nd Street Station, which allows for continued use of the 22nd Street Station.

Each option is introduced with a high-level context view followed by one or more side-angle or close-up views. Each option has a summary page, which serves as a comparison tool to highlight differences. Much of the background information that this summary relies on can be found in Appendix I - Existing Conditions.

STATION OPTIONS:

DOGPATCH/
POTRERO
OPTIONS

BAYVIEW
OPTIONS

THESE BUTTONS
ARE SHORTCUTS!

THEY ARE ALSO AT THE TOP
OF THE FOLLOWING PAGES.

MARIPOSA ST.

Station Context

Adjacent to I-280 in unused freeway and rail right-of-way, this station option is in between the Mission Bay, Potrero Hill, and Dogpatch neighborhoods.

Station Configuration

The station box would be in the PAX tunnel with multiple points of surface access (elevators and stairs) and a station head house. There are ample opportunities for public realm improvements and placemaking, e.g. connecting to Mariposa Park, and amenities such as scooters or bike share stations.

Community Served

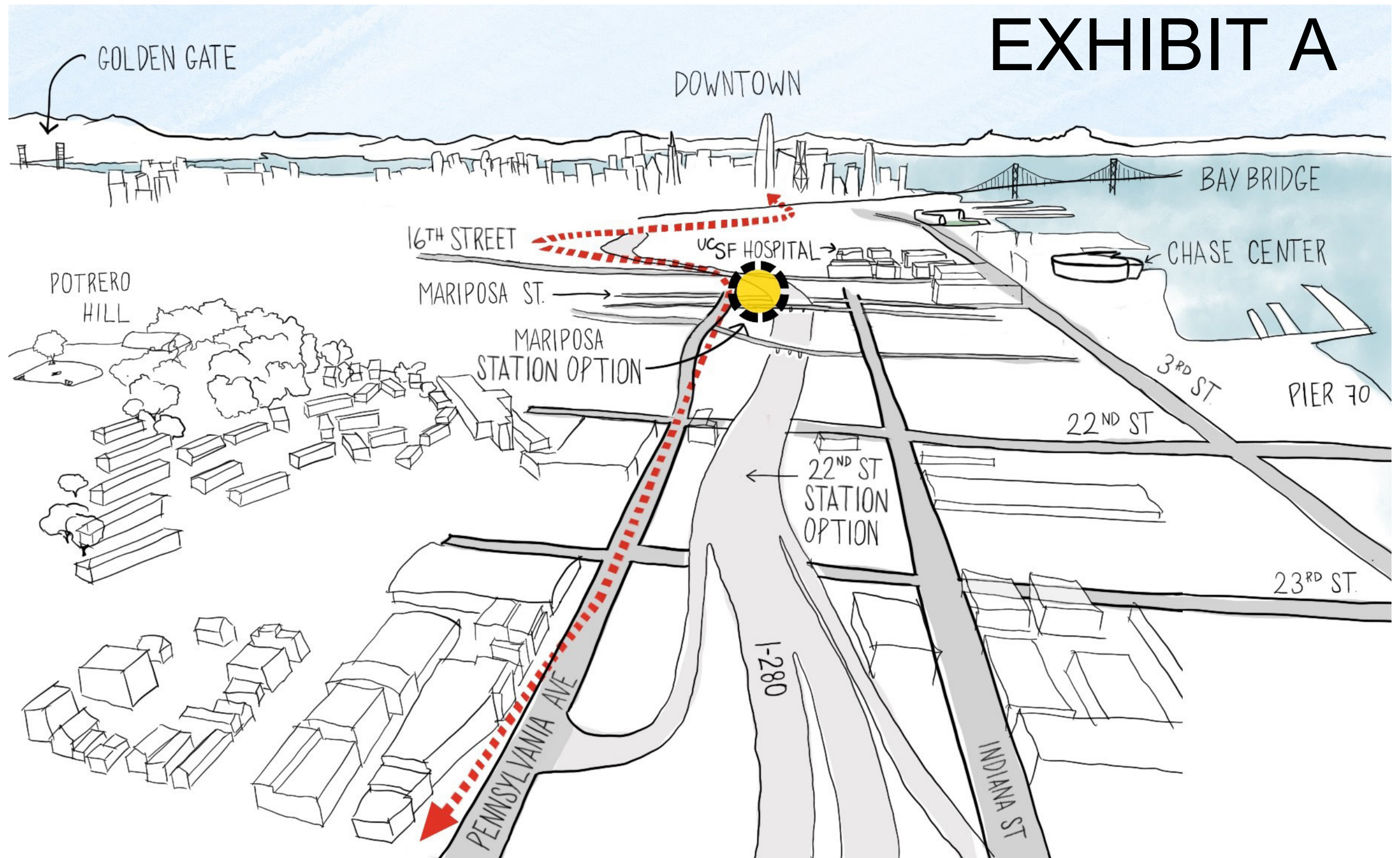
The station would serve Potrero Hill, Mission Bay and the Dogpatch. It is close to the UCSF Benioff Children's Hospital, UCSF Mission Bay campus, the Chase Center, and major employers (Genentech and Kaiser Permanente).

Access/Connections

The station would have several opportunities for entries at Mariposa Street, with the potential to support an enhanced bike/pedestrian route through the area. It is ¼ mile to the nearest Third Street light rail stop and could be connected directly to 16th Street transit via a new off-street trail. The station option has good bus and vehicle access via a NB US-101 off ramp. A pedestrian bridge over I-280 at 18th Street connects to Central Waterfront neighborhoods.

Constructability

This location is constrained by the I-280 freeway columns to the north. The future Pennsylvania Avenue Extension project would determine the construction method for the tunnel: either a single bore tunnel or twin-bore tunnel. A deep tunnel station potentially associated with the single bore tunnel option may be less disruptive than cut and cover construction associated with a twin bore tunnel.



MARIPOSA STREET

EXHIBIT A

EXISTING STATION CHARACTERISTICS

Major planned and approved developments

Pier 70

Primary land uses

Residential

Cultural, Institutional, Educational

Production, Distribution, Repair

Existing Density

12K

/sqm

Future Density*

36K

/sqm

35k

/sqm

Applicable PAX tunnel

Long

Cost**

\$\$\$

Risks

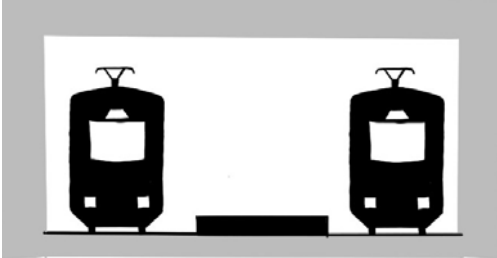
Constrained Site

Expensive

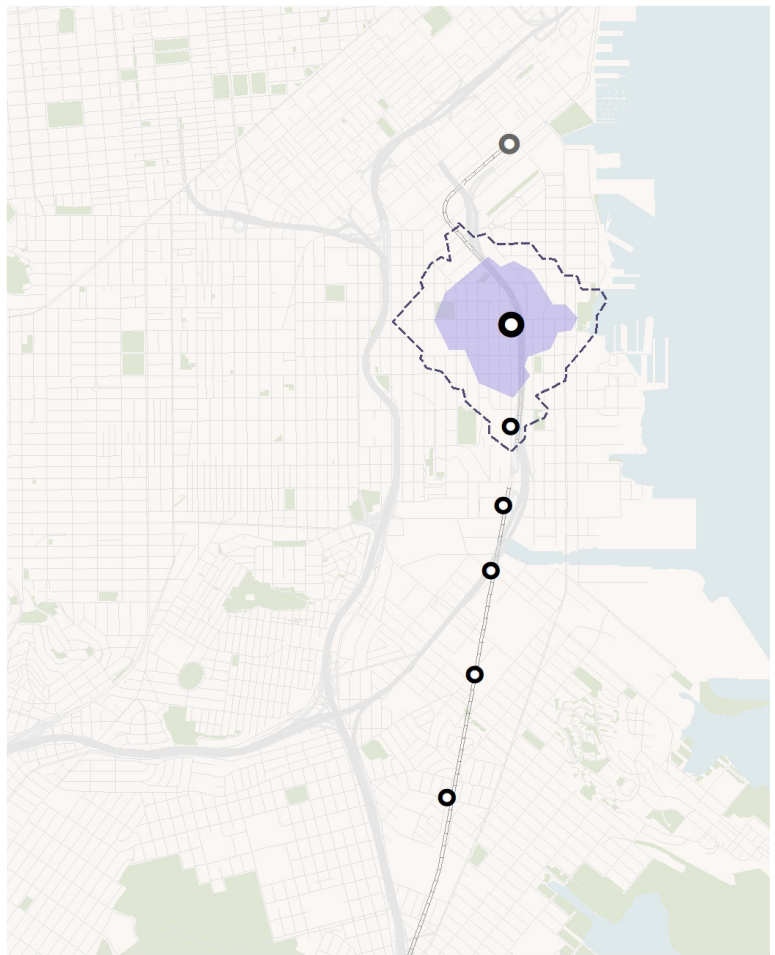
Complex Geotechnical Setting

Station diagram

Tunnel Station



EXISTING WALK TRAVEL SHED

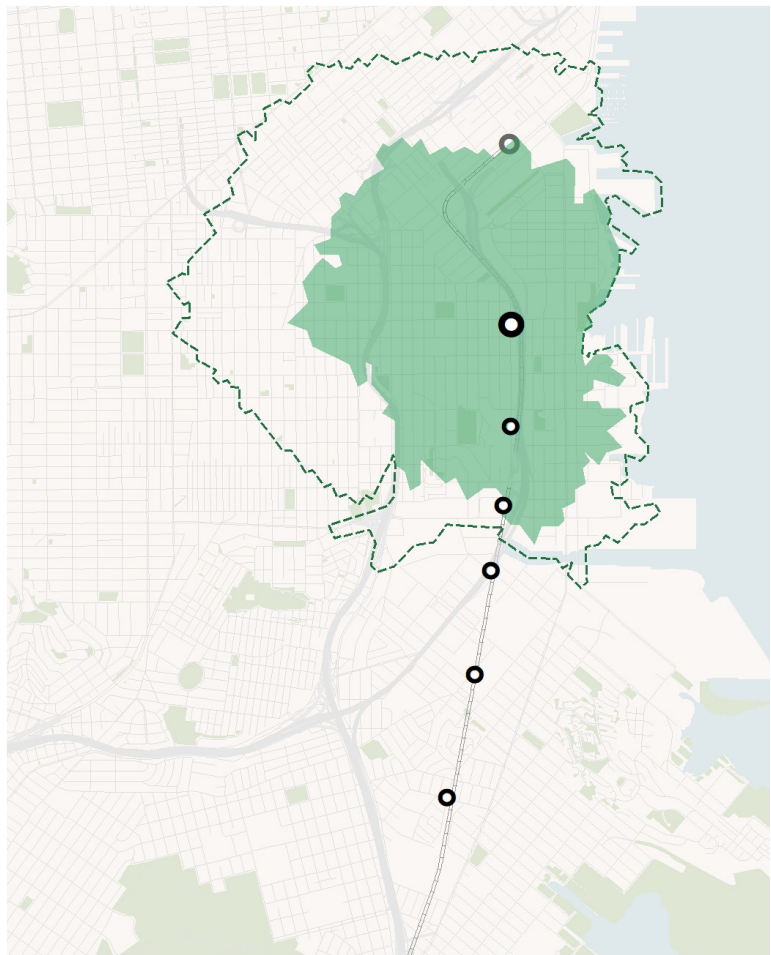


LEGEND

Walk Travel Shed

10mins 15mins

EXISTING BIKE TRAVEL SHED



Bike Travel Shed

10mins 15mins

NETWORK CONNECTIVITY



High



Medium



Medium-High

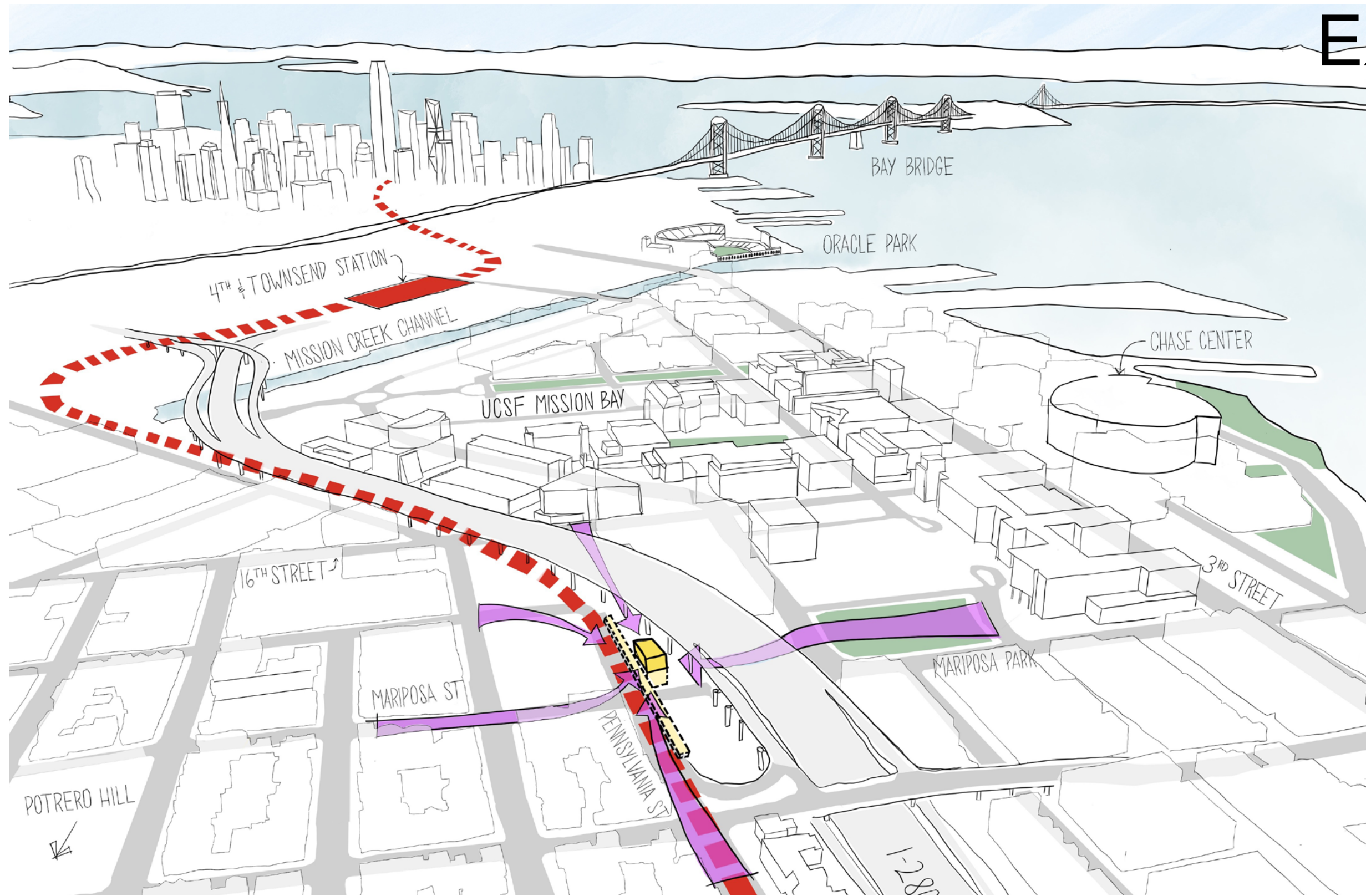
Network connectivity scores are based on WalkScore.com relative rankings.

*Future employment estimate from SF-CHAMP.

**Costs Ranges: \$ = Less than \$150 Million, \$\$ = \$150 Million to \$500 Million, \$\$\$ = More than \$1 Billion. Cost estimates are independent of PAX tunnel costs.

EXHIBIT A

Looking Northeast



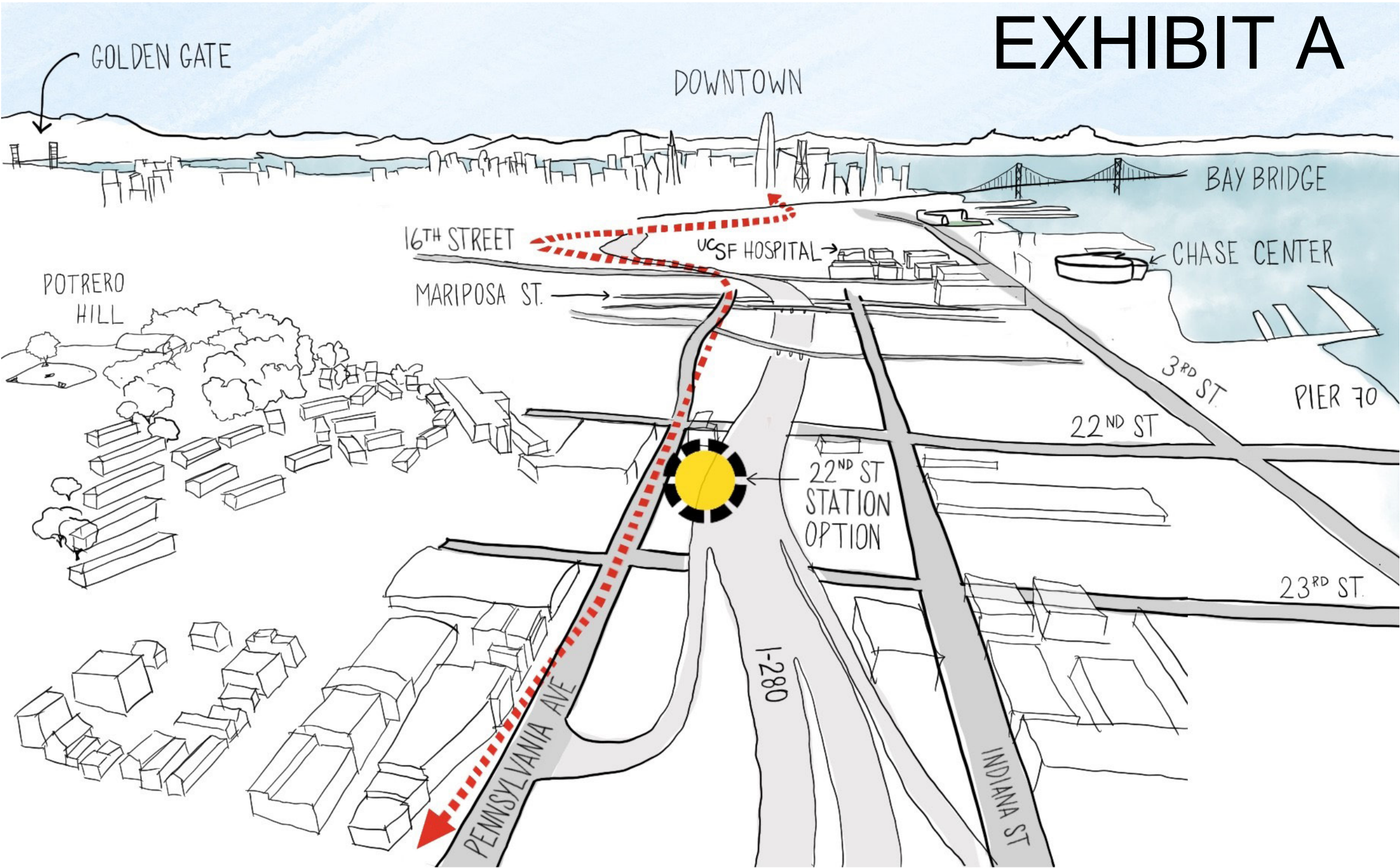
22nd STREET STATION OPTIONS

Station Context

The three design options for 22nd Street are in the same general location as the existing 22nd street station location. Positioned below I-280, the station is generally bound by industrial uses and a MUNI depot. The following pages illustrate three different design options for this location: Rebuilt, Split, and Tunnel.

Community Served

The station option serves Potrero Hill, Central Waterfront, Pier 70, Potrero Power Station, Dogpatch and is down the hill from the Potrero Hill HOPE SF housing.



22nd STREET STATION- REBUILT

Station Configuration

The current side platform station would be reconfigured to a center platform. The tracks would move to the outside of the new center platform and the station would remain as an open air station below the I-280 freeway. There are ample opportunities for future enhancements along Iowa Street to support both placemaking and shared mobility.

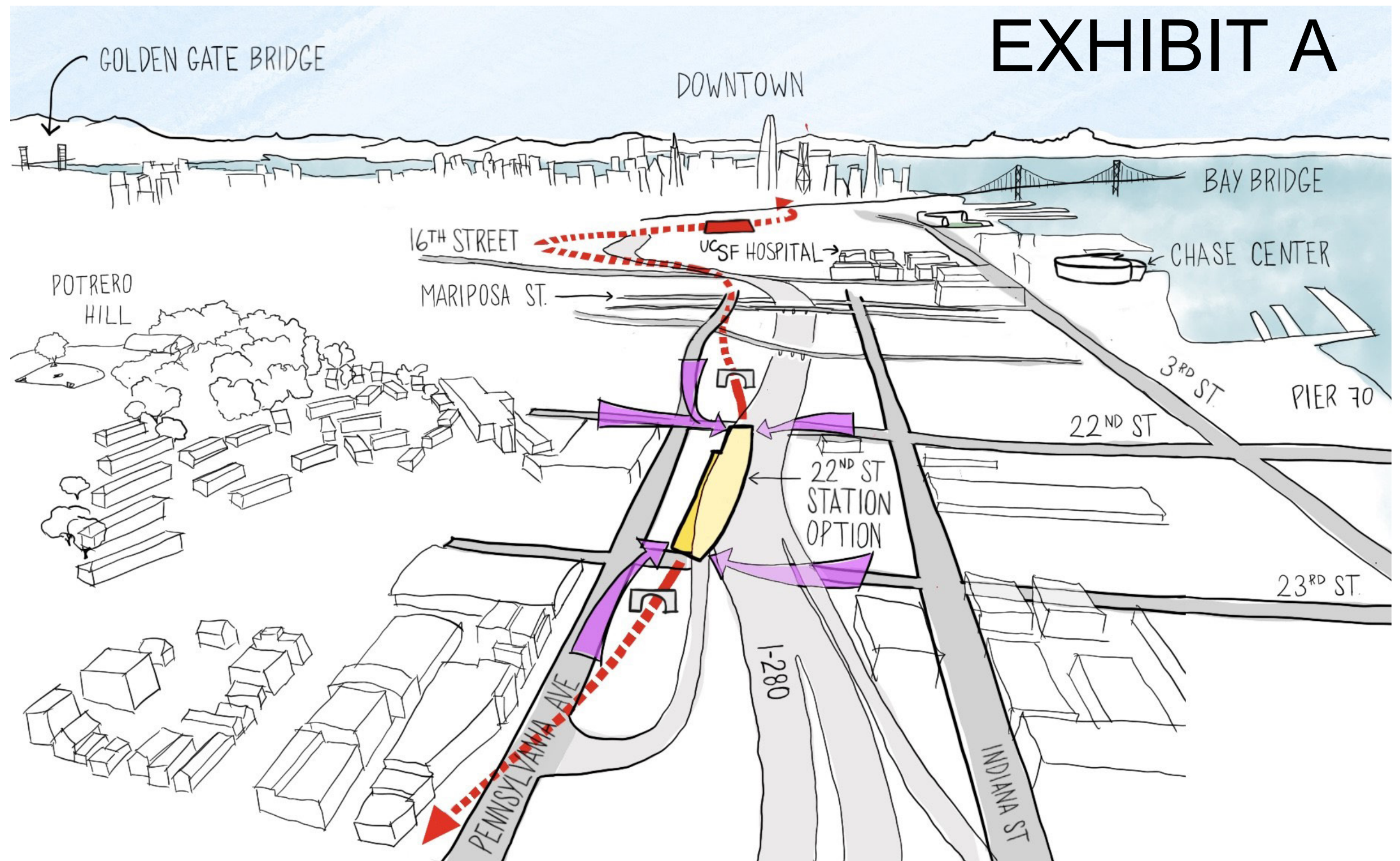
Access/Connections

Access improvements would be included in any future rebuilt station, possibly including additional elevators, ramps and/or stairs. Access is proposed from 22nd Street, 23rd Street, Iowa Street and Pennsylvania Ave. The station is ½ mile to the closest Third Street light rail stop.

Constructability

This option is likely to be the least costly to develop but would require a short PAX alignment to be selected.

EXHIBIT A



22ND STREET REBUILT

EXHIBIT A

EXISTING STATION CHARACTERISTICS

Major planned and approved developments

Pier 70Potrero Power Station

Primary land uses

ResidentialProduction, Distribution, Repair

Existing Density

12K/sqm

Future Density*

25K/sqm15k/sqm

Applicable PAX tunnel

Short

Cost**


\$\$\$

Risks

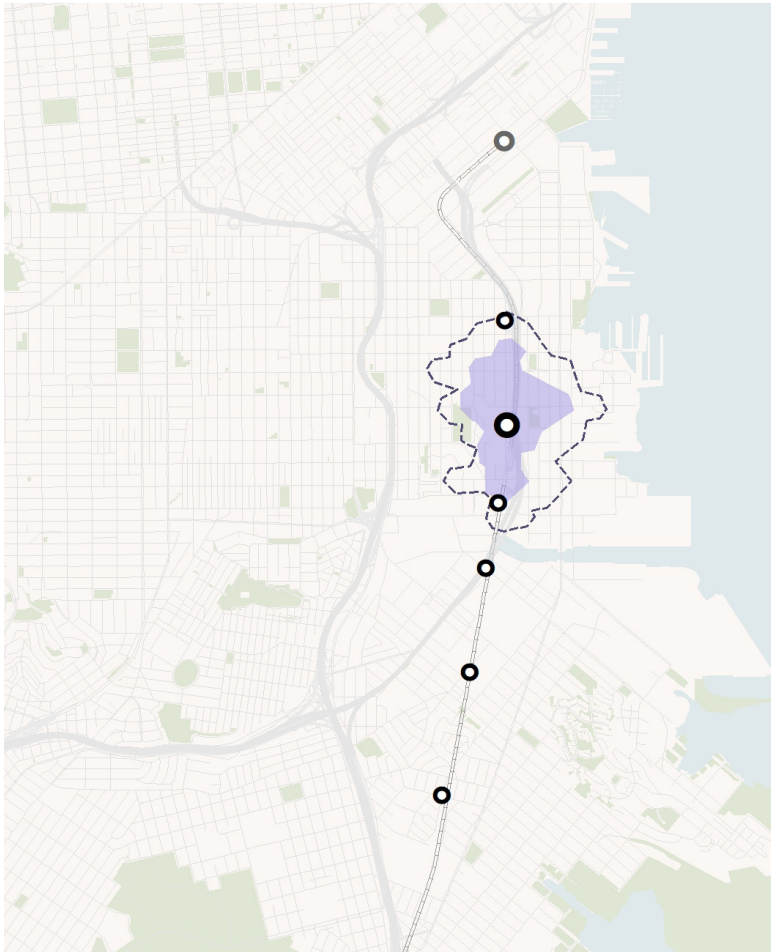
Underpass AestheticPotential Property Impacts

Station diagram

At-Grade Center Platform



EXISTING WALK TRAVEL SHED

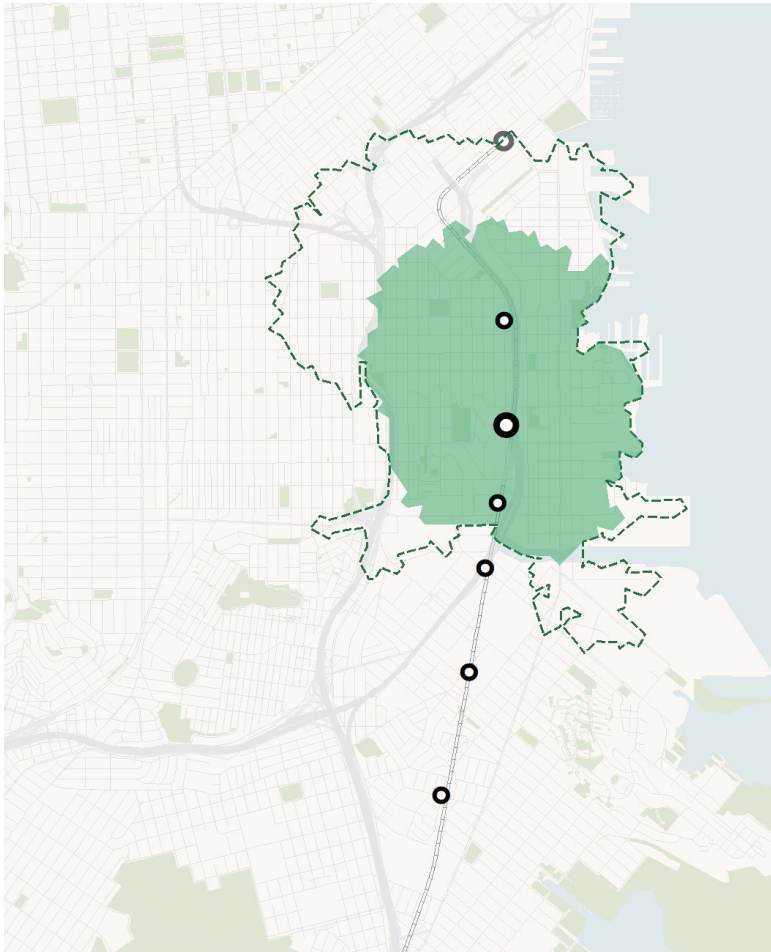


LEGEND

Walk Travel Shed

10mins15mins


EXISTING BIKE TRAVEL SHED




Bike Travel Shed

10mins15mins


NETWORK CONNECTIVITY



High



Medium-High



Medium

Network connectivity scores are based on WalkScore.com relative rankings.

*Future employment estimate from SF-CHAMP.

**Costs Ranges: \$ = Less than \$150 Million, \$\$ = \$150 Million to \$500 Million, \$\$\$ = More than \$1 Billion. Cost estimates are independent of PAX tunnel costs.

EXHIBIT A

22ND STREET
STATION
REBUILT

View from 22nd St. Bridge,
Looking South



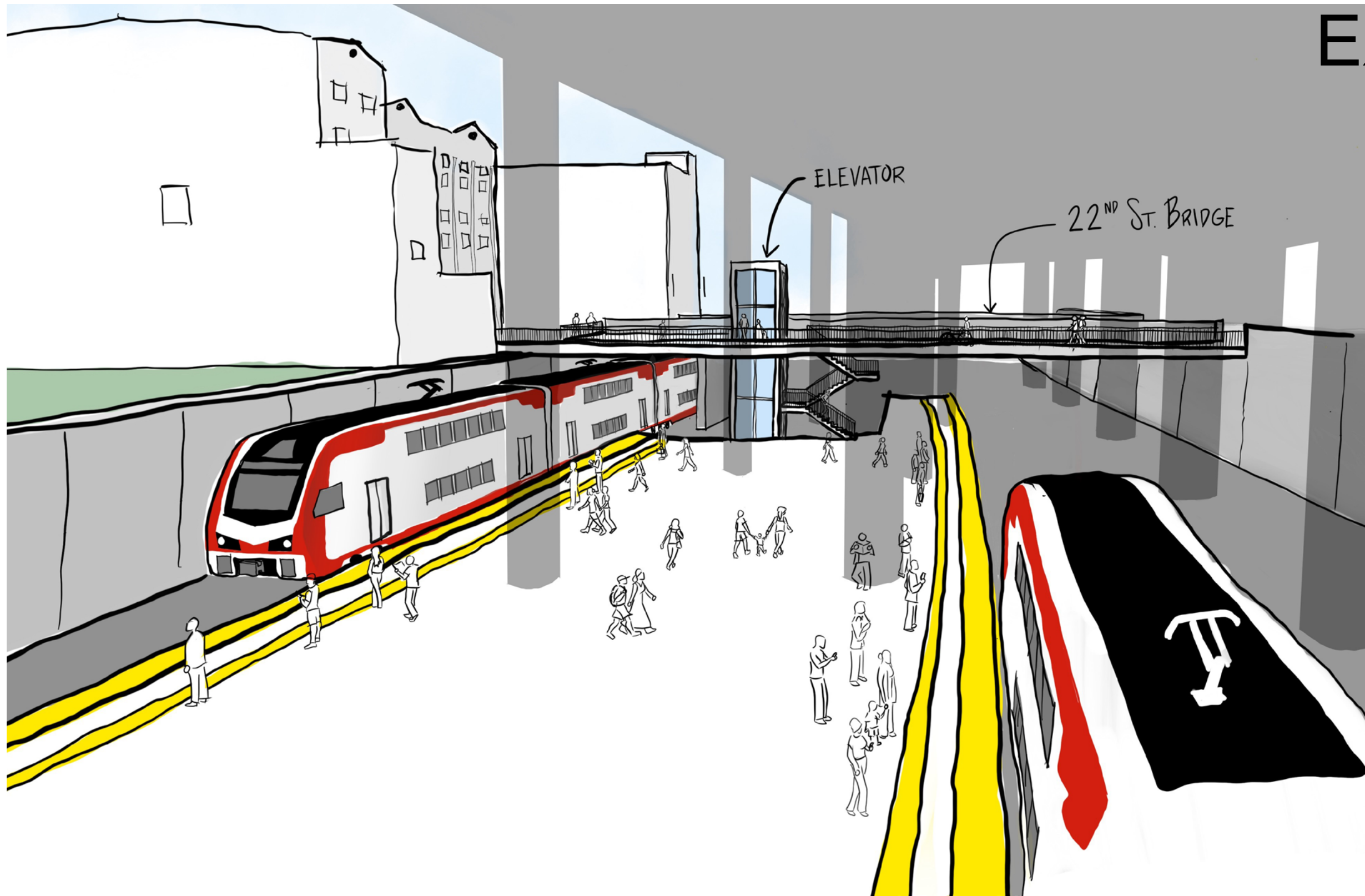


EXHIBIT A

22ND STREET STATION REBUILT

View from 23rd Street Bridge
Looking North

22nd STREET STATION- SPLIT

Station Configuration

The 22nd Street split option proposes a grade level northbound platform below the I-280 freeway, and an underground southbound platform to the west, accessed via a broad concourse.

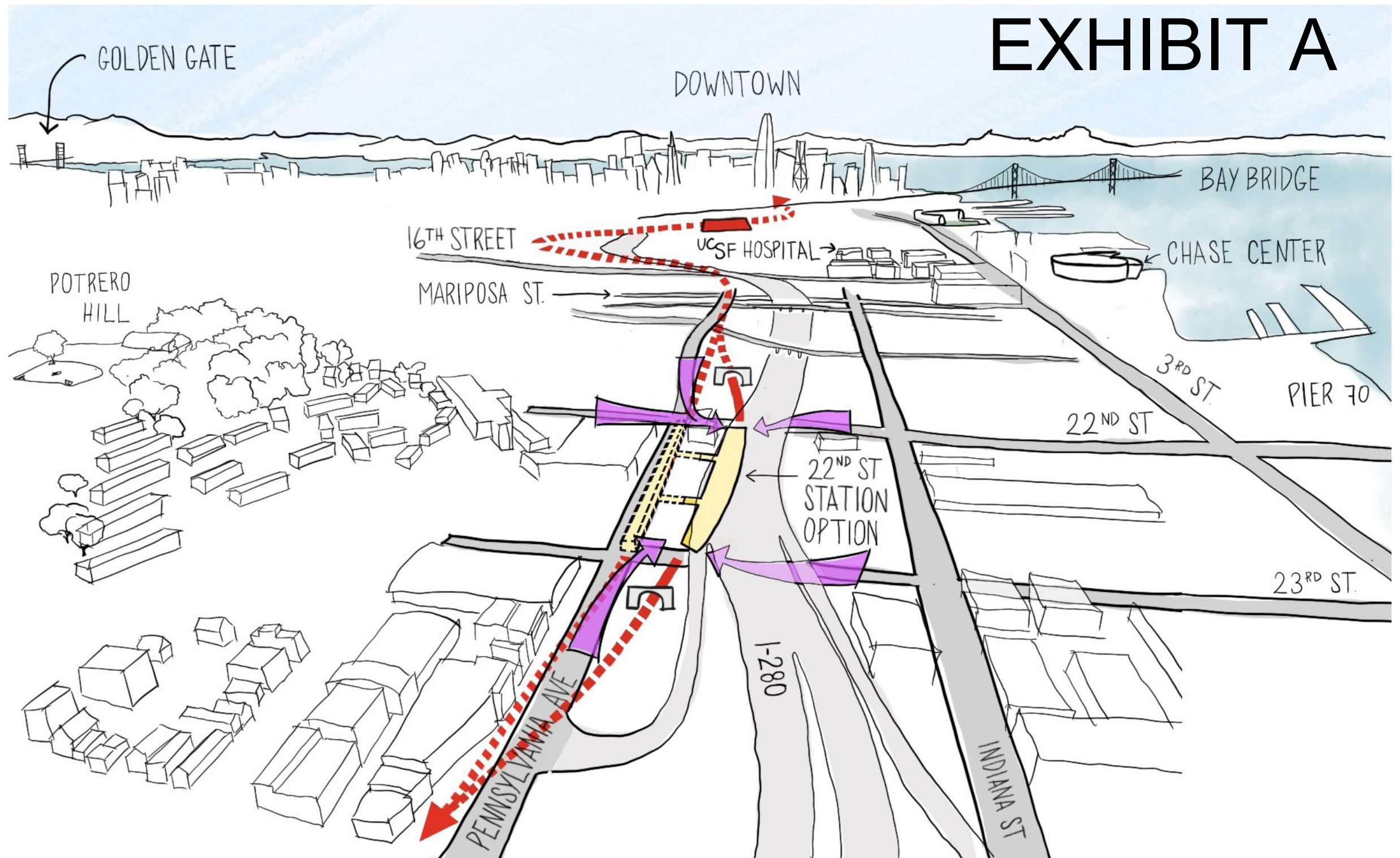
Access/Connections

Access would be available from 22nd Street, 23rd Street, Iowa Street and Pennsylvania Avenue. Station access to the southbound underground platform is via an open concourse from the northbound platform. The station is ½ mile from a Third Street light rail stop.

Constructability

This configuration makes ongoing operations of the Caltrain system possible while constructing the southbound tunnel platform. This option requires the PAX alignment to deviate from a direct path of travel northbound but preserves a direct path of travel southbound.

EXHIBIT A



22ND STREET SPLIT STATION OPTION

EXHIBIT A

EXISTING STATION CHARACTERISTICS

Major planned and approved developments

Pier 70Potrero Power Station

Primary land uses

ResidentialProduction, Distribution, Repair

Existing Density

12K/sqm

Future Density*

25K/sqm15k/sqm

Applicable PAX tunnel

LongShortMid-Length

Cost**

\$\$\$

Risks

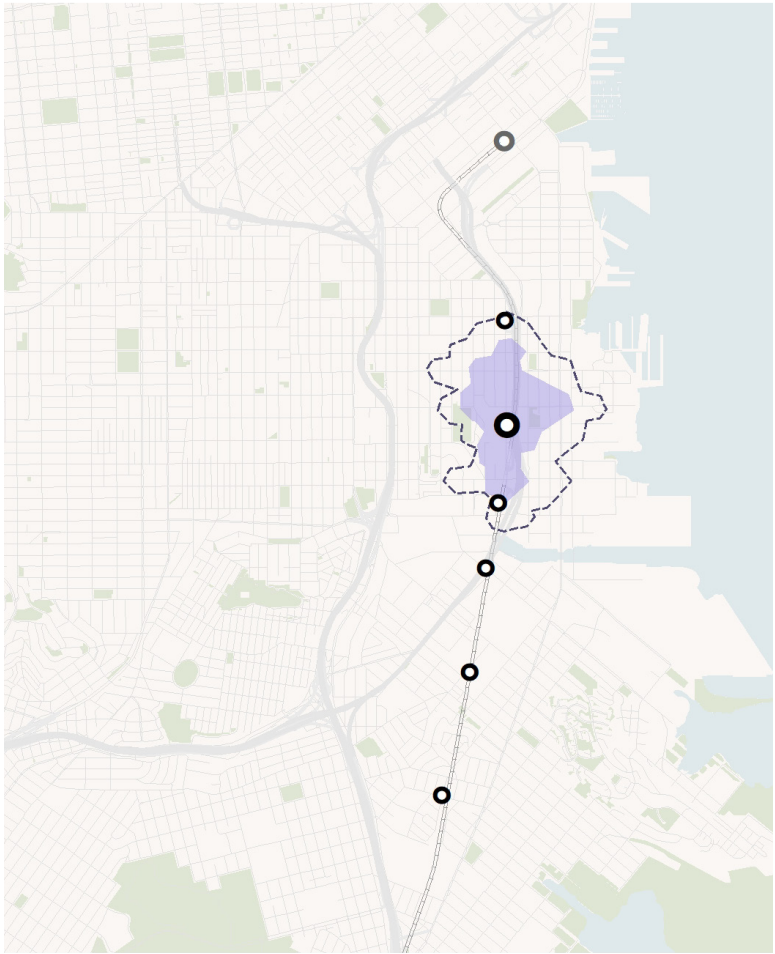
Underpass AestheticPotential Property Impacts

Station diagram

S.B. TRAIN

N.B. TRAIN

EXISTING WALK TRAVEL SHED

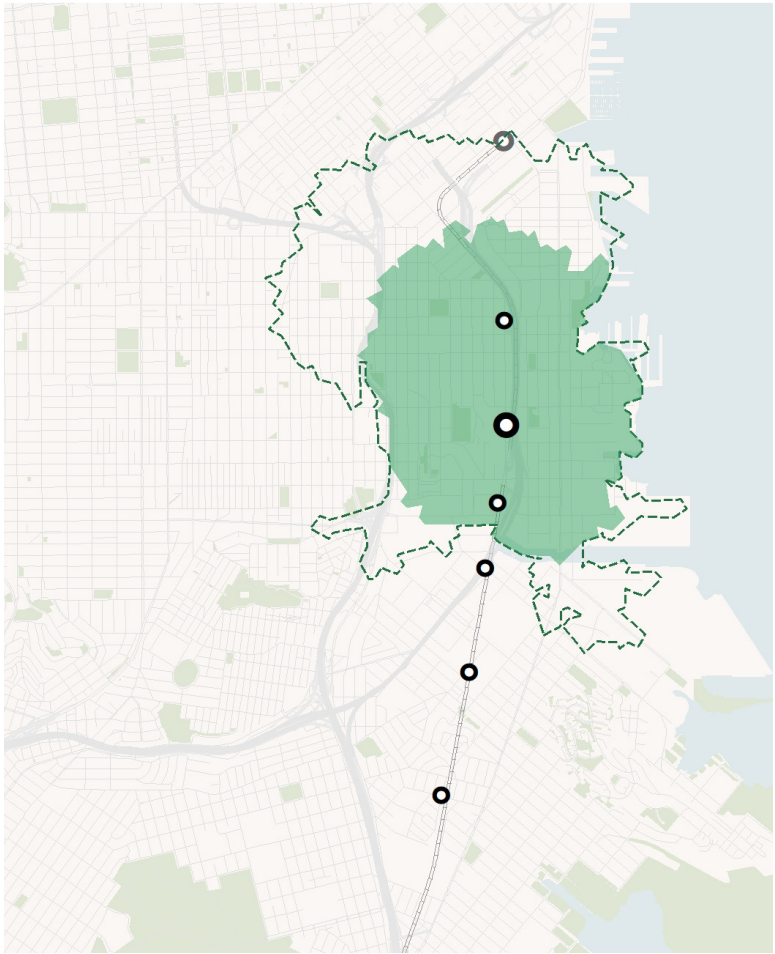


LEGEND

Walk Travel Shed

10mins 15mins

EXISTING BIKE TRAVEL SHED



Bike Travel Shed

10mins 15mins

NETWORK CONNECTIVITY

High

Medium-High

Medium

Network connectivity scores are based on WalkScore.com relative rankings.

*Future employment estimate from SF-CHAMP.
**Costs Ranges: \$ = Less than \$150 Million, \$\$ = \$150 Million to \$500 Million, \$\$\$ = More than \$1 Billion. Cost estimates are independent of PAX tunnel costs.

EXHIBIT A

22ND STREET STATION SPLIT

View from 22nd St. Bridge,
Looking South



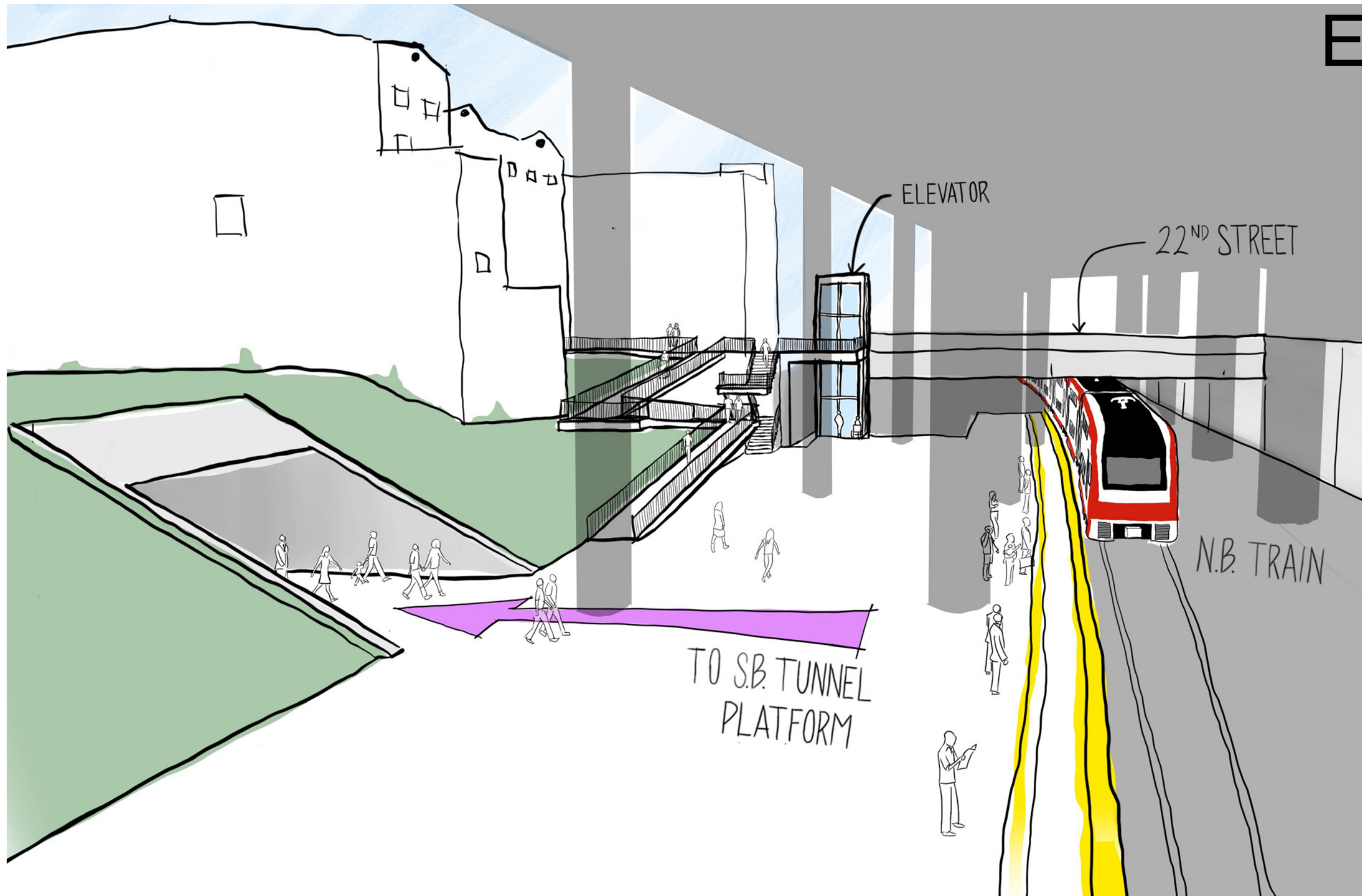
LEGEND

← Station Access Route

EXHIBIT A

22ND STREET STATION SPLIT

View from Platform
Looking North



LEGEND

← Station Access Route

22nd STREET STATION- TUNNEL

Station Configuration

The station platform would be entirely within the PAX tunnel below Pennsylvania Avenue. The design of the station box would be confirmed in a later project phase.

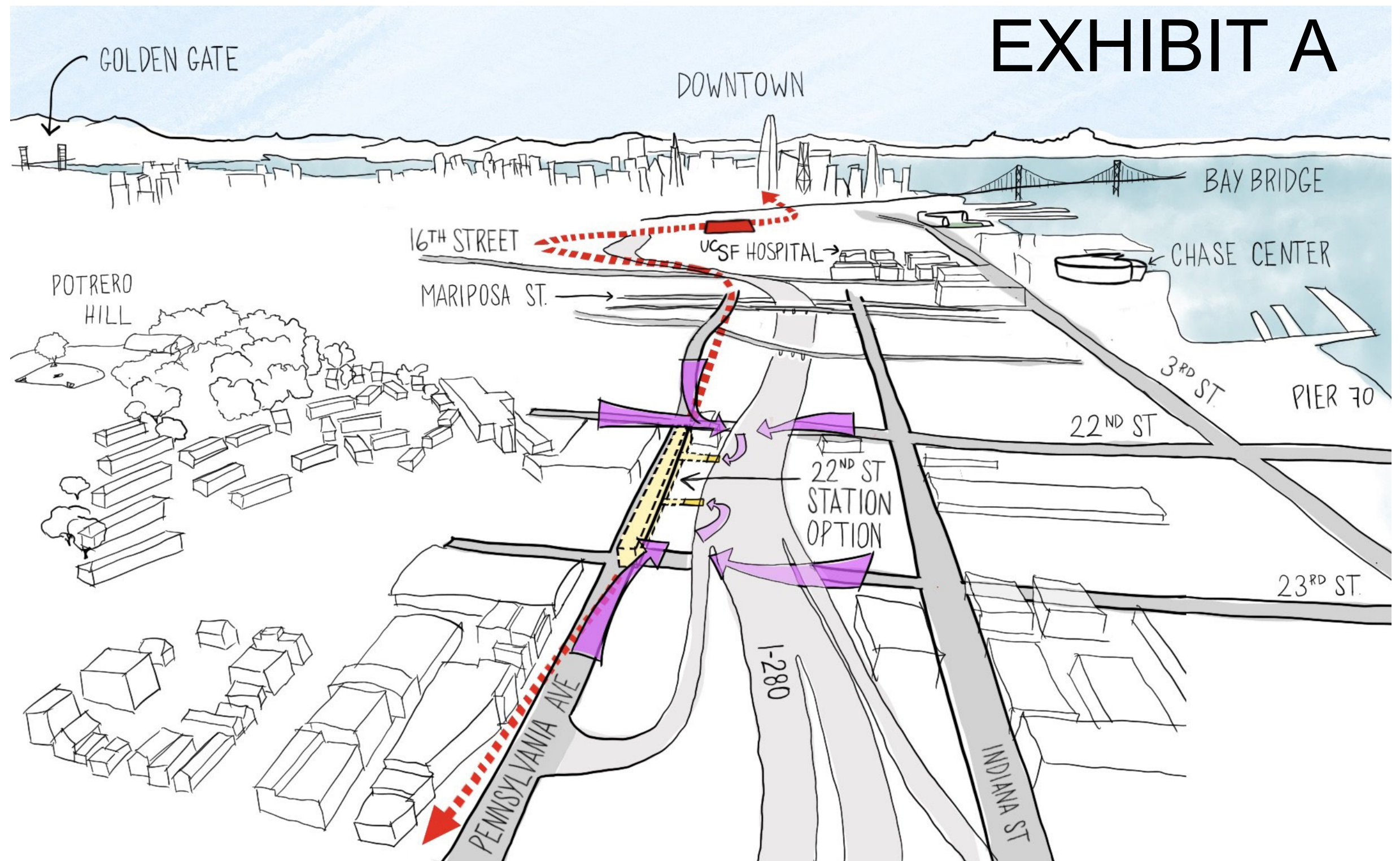
Access/Connections

Access points to the station are envisioned at 22nd Street, 23rd Street, Iowa Street and Pennsylvania Ave. There are opportunities to design public realm connections for pedestrians and bicyclists and provide ADA access with elevators, ramps, and stairs.

Constructability

The station location is constructable, more information would be determined in a later project phase.

EXHIBIT A



22ND STREET TUNNEL STATION OPTION EXHIBIT A

EXISTING STATION CHARACTERISTICS

Major planned and approved developments

Pier 70Potrero Power Station

Primary land uses

ResidentialProduction, Distribution, Repair

Existing Density

12K/sqm

Future Density*

25K/sqm15k/sqm

Applicable PAX tunnel

Long

Cost**

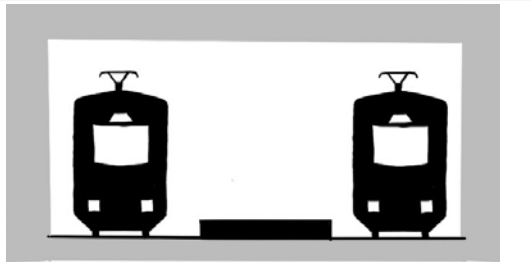
\$\$\$

Risks

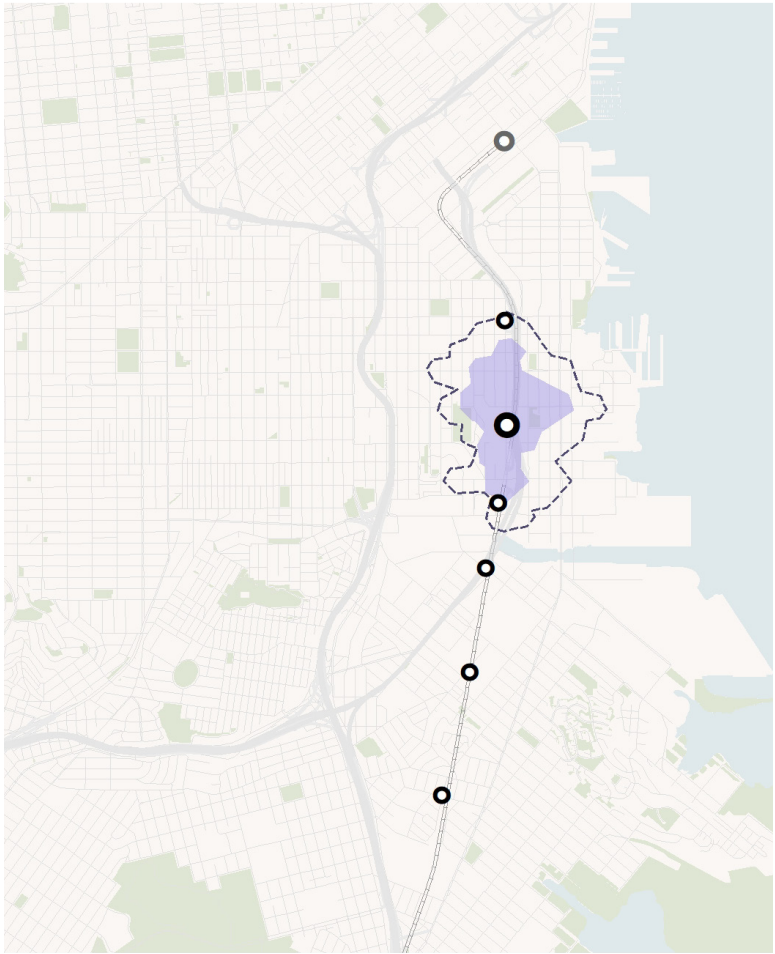
Underpass AestheticExpensivePotential Property Impacts

Station diagram

Tunnel Station



EXISTING WALK TRAVEL SHED

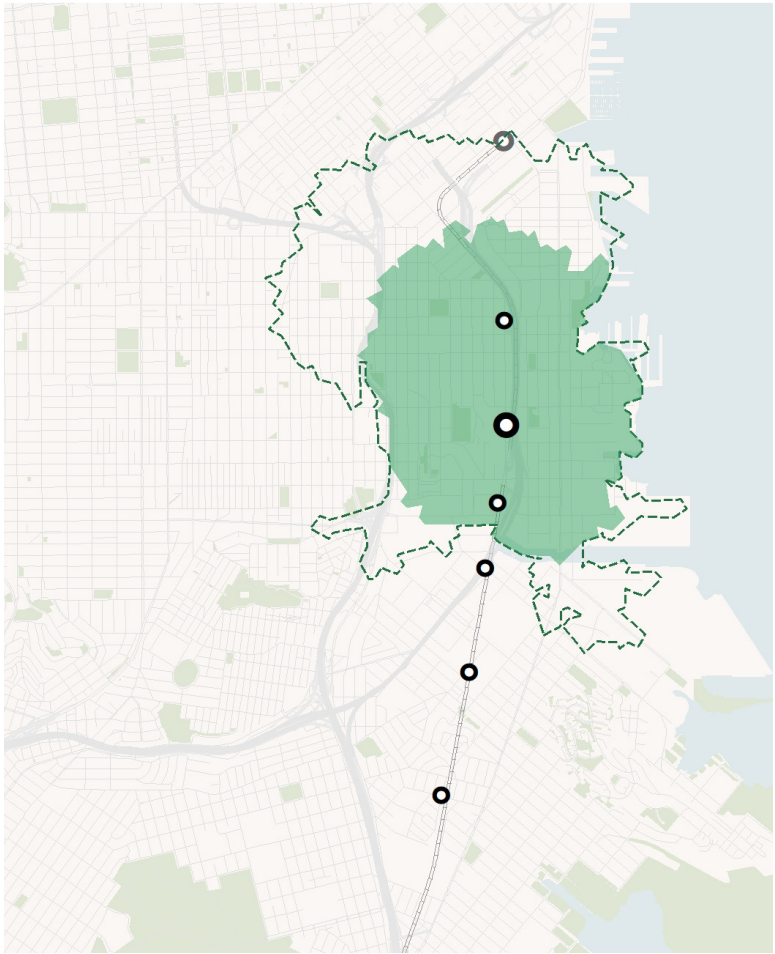


LEGEND

Walk Travel Shed

10mins 15mins

EXISTING BIKE TRAVEL SHED



Bike Travel Shed

10mins 15mins

NETWORK CONNECTIVITY



High



Medium-High



Medium

Network connectivity scores are based on WalkScore.com relative rankings.

*Future employment estimate from SF-CHAMP.
**Costs Ranges: \$ = Less than \$150 Million, \$\$ = \$150 Million to \$500 Million, \$\$\$ = More than \$1 Billion. Cost estimates are independent of PAX tunnel costs.

EXHIBIT A

22ND STREET STATION TUNNEL

View from 22nd St. Bridge,
Looking South



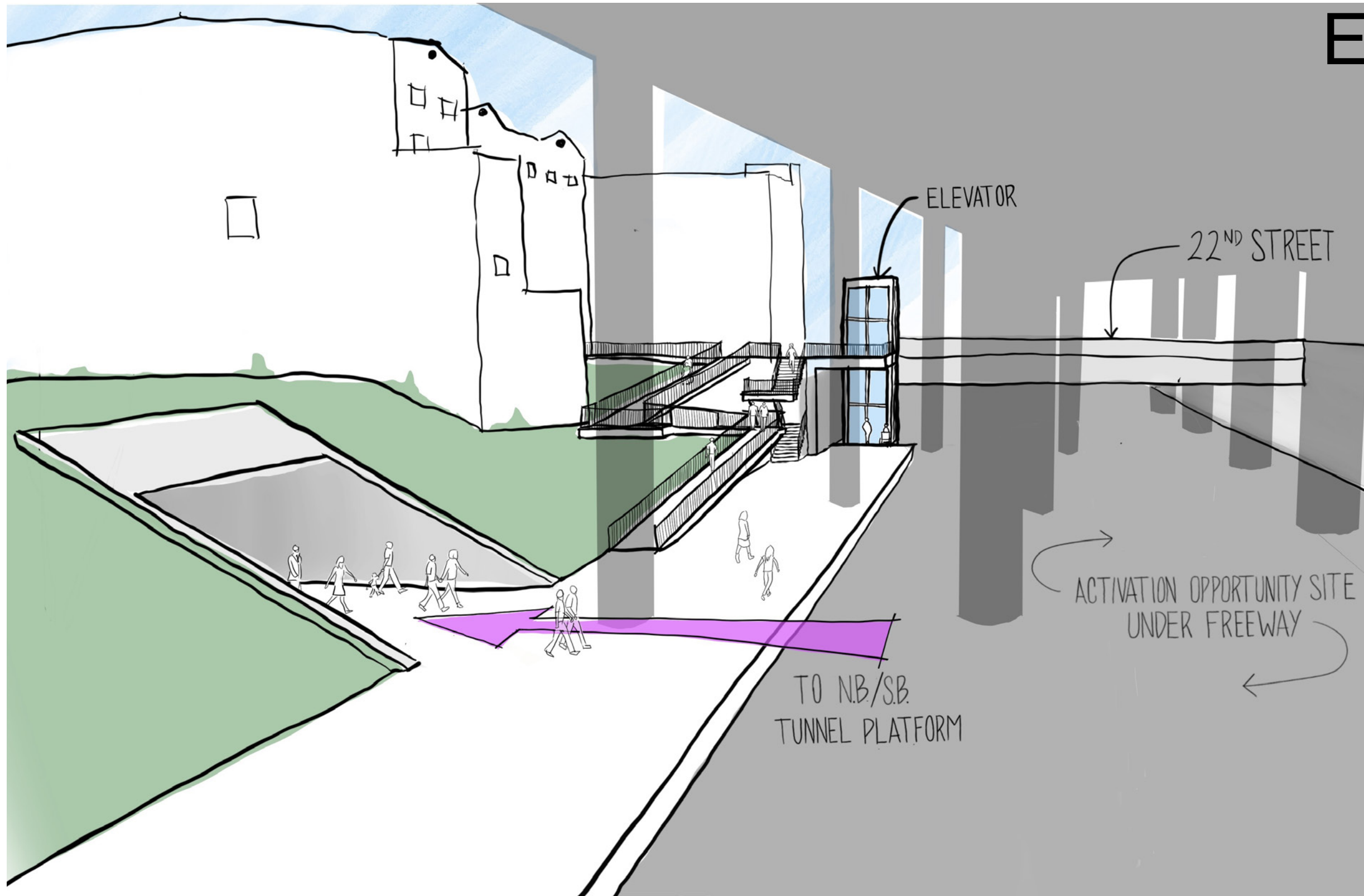
LEGEND

 Station Access Route

EXHIBIT A

22ND STREET STATION TUNNEL

View from 23rd Street Bridge
Looking North



LEGEND

← Station Access Route

CESAR CHAVEZ STATION

Station Context

Located near 25th Street just south of Tunnel Top Park, the station platform would span Cesar Chavez extending south toward Marin Street. It is bounded by industrial uses, with good vehicular access to both I-280 and US-101.

Station Configuration

The station would have side platforms elevated above the street on berms, and would be accessed via stairs and/or ramps.

Community Served

Near to the Potrero Hill HOPE SF project, this station option serves Central Waterfront neighborhoods to the north, Pier 80 and Islais Creek to the east, and northern Bayview to the south.

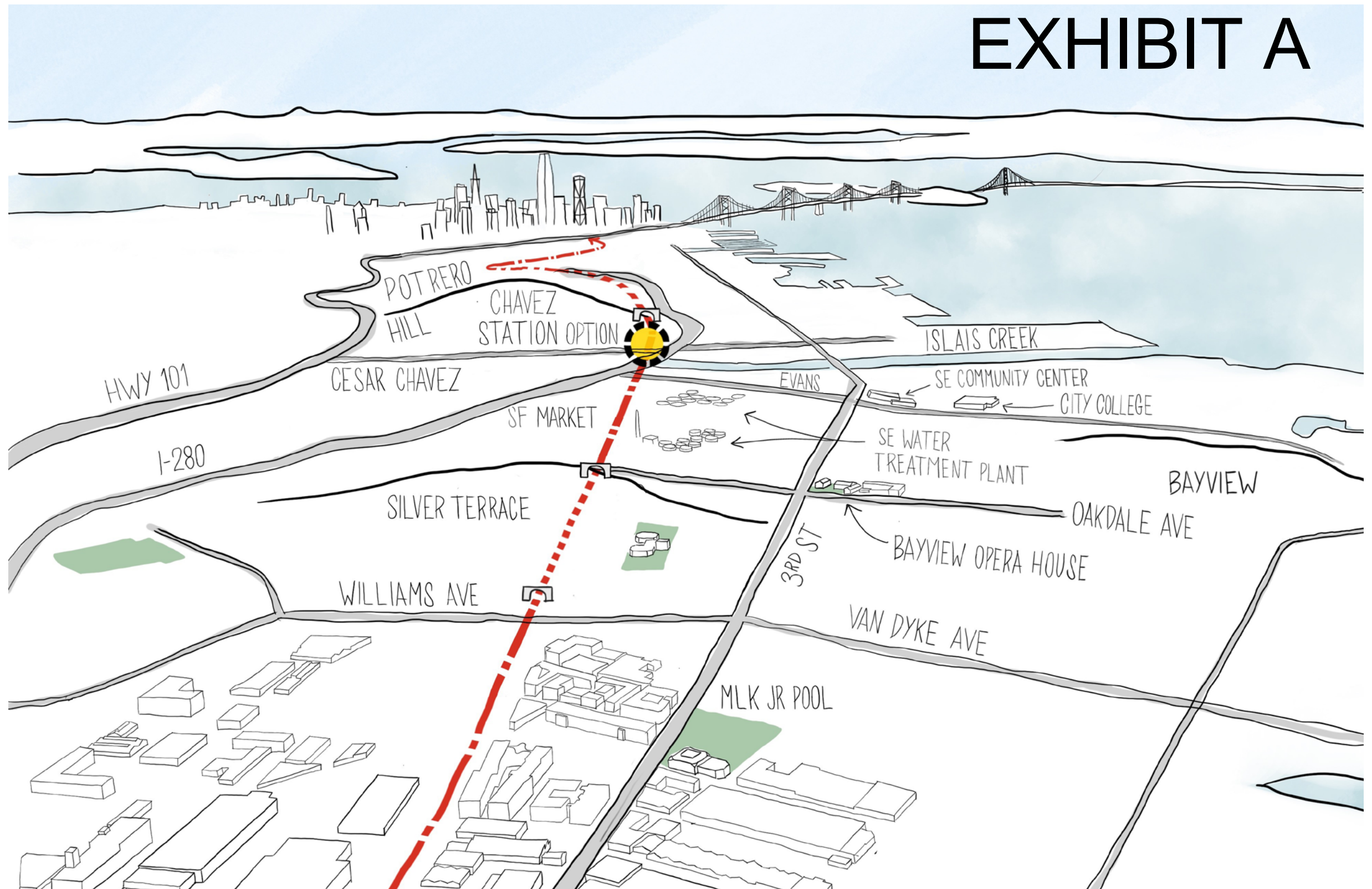
Access/Connections

Northbound and southbound platform access is proposed from both 25th Street/Tunnel Top Park and Cesar Chavez. Marin Street is an option for access to the Southbound platform. The station is a 10-minute walk from a Third Street light rail stop. As a citywide bicycle route and major arterial, Cesar Chavez connects to Pier 80 to the east and Bernal Heights and the Mission District to the west.

Constructability

The station would require modifications to the tunnel portal to the north and adding new bridges to replace the existing ones over Cesar Chavez and Marin.

EXHIBIT A



CESAR CHAVEZ STATION OPTION

EXHIBIT A

EXISTING STATION CHARACTERISTICS

Major planned and approved developments

Potrero HOPE SF

Primary land uses

Residential

Production, Distribution, Repair

Existing Density

6K/sqm

Future Density*

12K/sqm

15k/sqm

Applicable PAX tunnel

Long

Cost**

\$\$\$

Risks

Access Barriers

Constrained Site

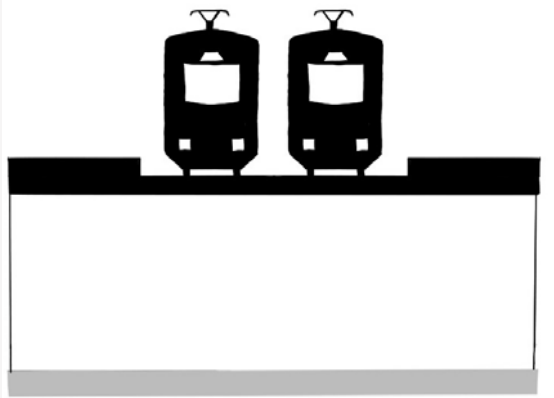
Sea-level Rise

Industrial Surroundings

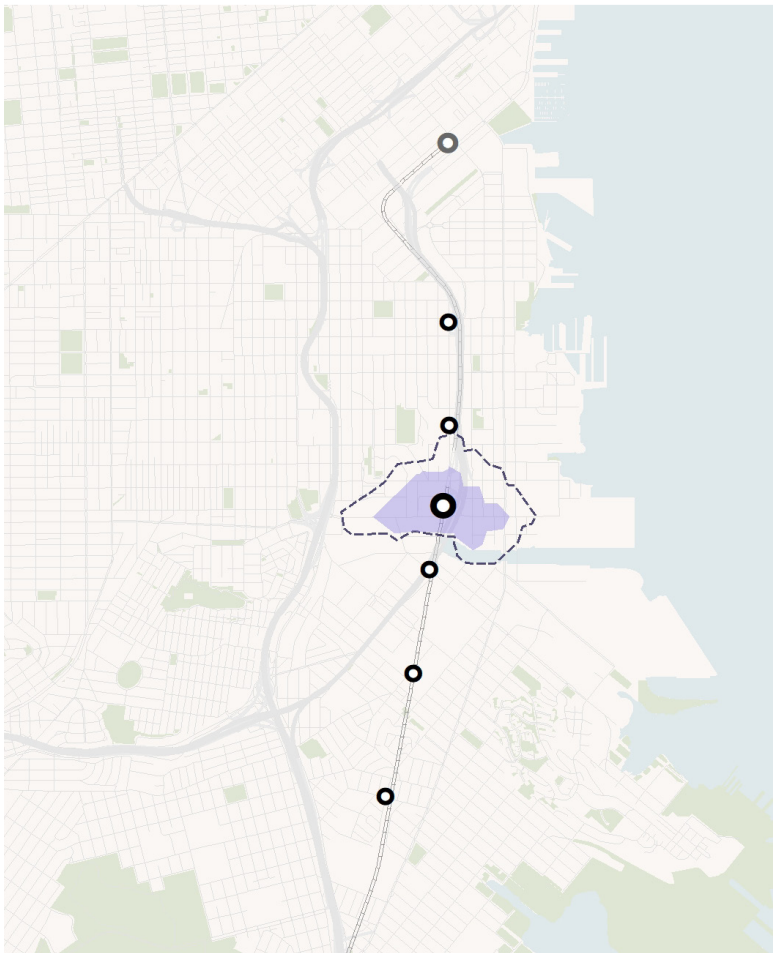
Complex Geotechnical Setting

Station diagram

Elevated Station



EXISTING WALK TRAVEL SHED

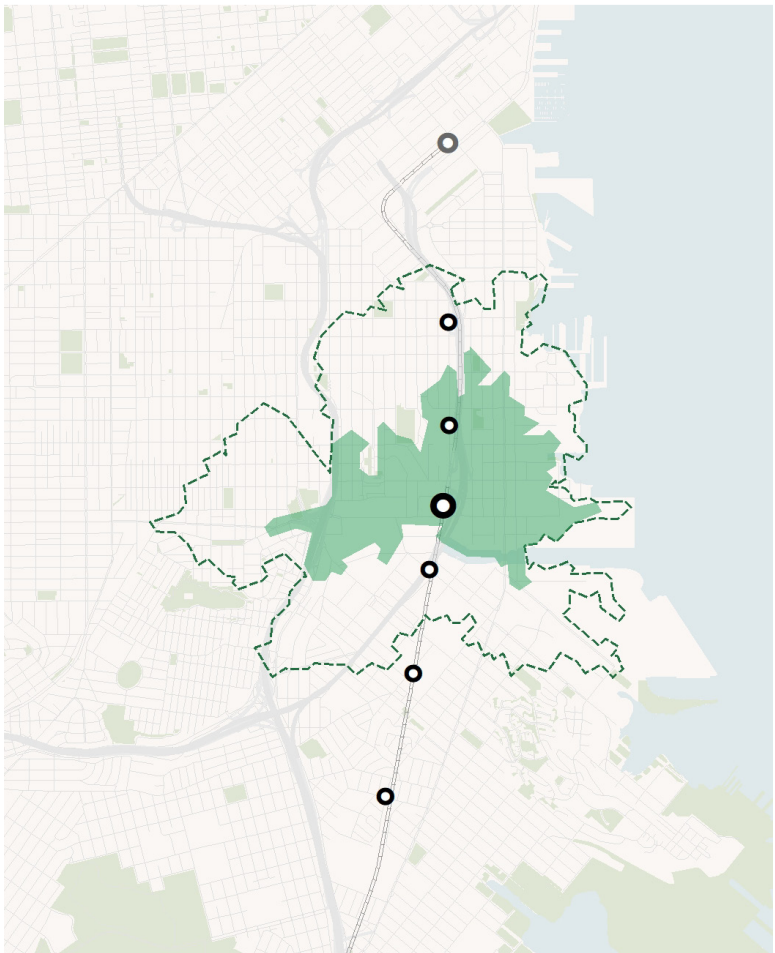


LEGEND

Walk Travel Shed

10mins 15mins

EXISTING BIKE TRAVEL SHED



Bike Travel Shed

10mins 15mins

NETWORK CONNECTIVITY



Medium



Medium-High



Medium

Network connectivity scores are based on WalkScore.com relative rankings.

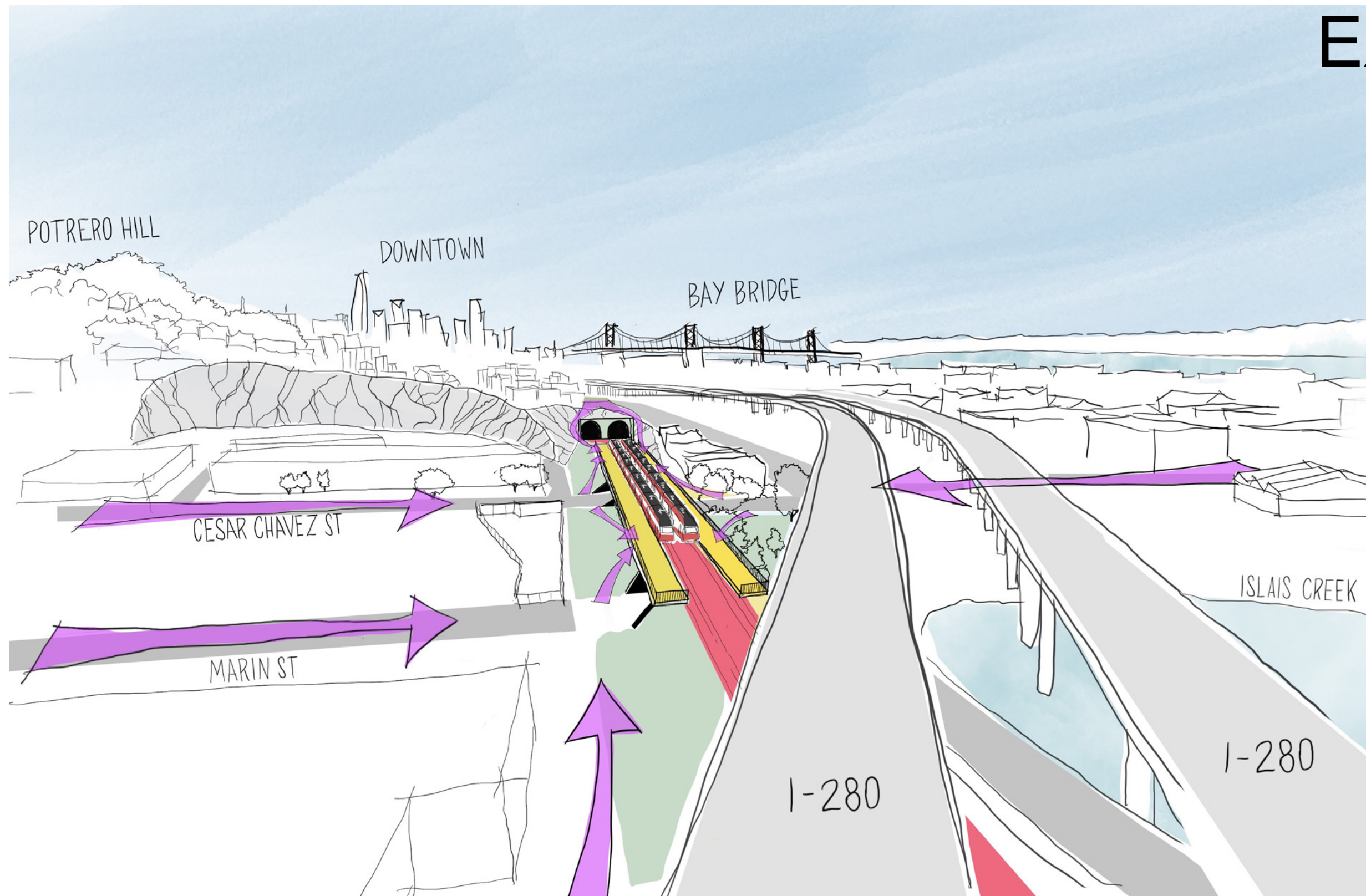
*Future employment estimate from SF-CHAMP.

**Costs Ranges: \$ = Less than \$150 Million, \$\$ = \$150 Million to \$500 Million, \$\$\$ = More than \$1 Billion. Cost estimates are independent of PAX tunnel costs.

EXHIBIT A

CESAR CHAVEZ STATION

Looking Northeast



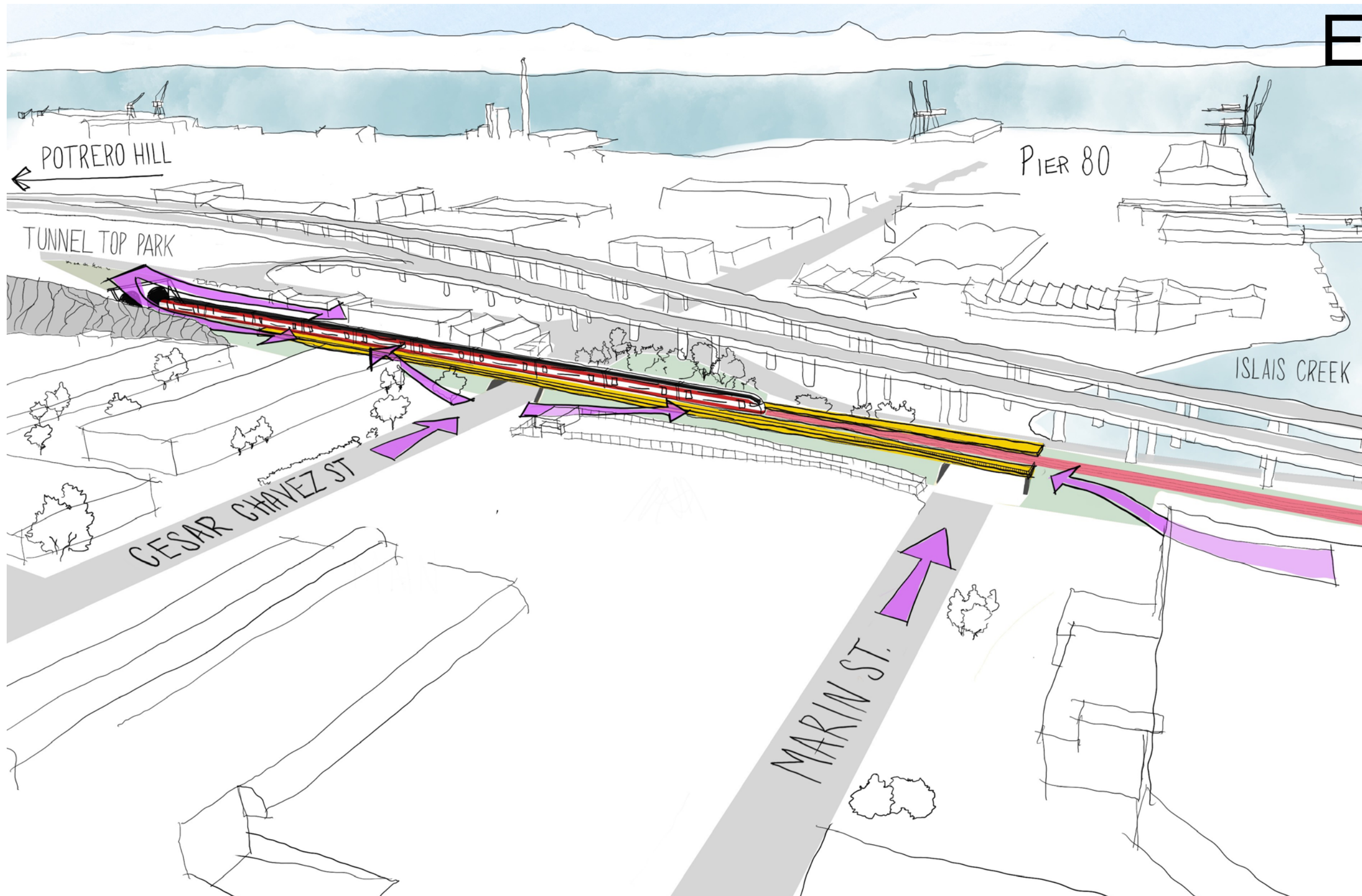
LEGEND

- At Grade
- Tunnel
- At Grade Station
- Tunnel Station
- Station Access Route

EXHIBIT A

CESAR CHAVEZ STATION

Looking East



LEGEND

- At Grade
- - - - - Tunnel
- At Grade Station
- Tunnel Station
- ↖ Station Access Route

EVANS AVENUE STATION

Station Context

The station option sits south of Islais Creek between Evans and Jerrold Avenues, adjacent to the Southeast Wastewater Treatment Plant with industrial uses on all sides.

Community Served

The station would serve the northern portion of the Bayview—including the new Southeast Community Center, the Islais Creek industrial area and the southern part of the Dogpatch. While mostly outside the ½ mile walkshed of residential or commercial neighborhoods, this station is around ½ mile from the intersection of Third Street and Evans Avenue, and today is directly connected to Potrero Hill and Hunters Point by transit.

Access/Connections

Both northbound and southbound platforms could be accessed from Evans Avenue from the north, and Jerrold Avenue from the south. The station would serve nearby neighborhoods primarily via transit connections, bicycle routes, and passenger drop-off.

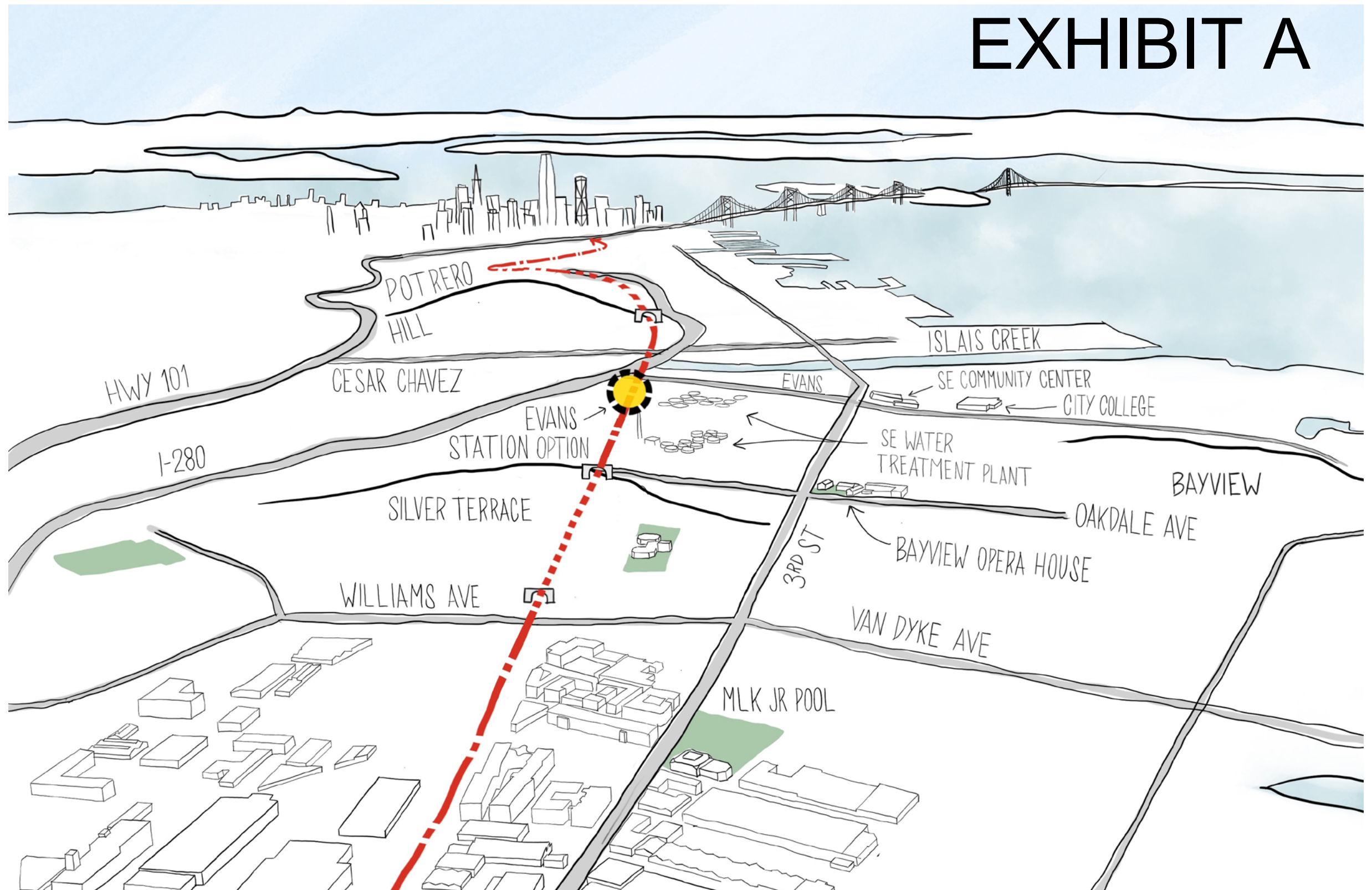
Station Configuration

Station configuration would be confirmed during future project phases. The station location could accommodate either a center platform or side platforms.

Constructability

A center platform station at Evans would require new bridges at Evans, Jerrold, Napoleon, Marin, and Cesar Chavez. A side platform station configuration could retain the existing bridges while requiring widening to the embankment to accommodate the platforms.

EXHIBIT A



EVANS AVENUE STATION OPTION

EXHIBIT A

EXISTING STATION CHARACTERISTICS

Major planned and approved developments

Southeast Community Center

Prologis Warehouse

SF Wholesale Produce Market

Primary land uses

Production, Distribution, Repair

Existing Density

1K/sqm

Future Density*

3K/sqm

19k/sqm

Applicable PAX tunnel

All Options

Cost**

\$\$\$

Risks

Constrained Site

Sea-level Rise

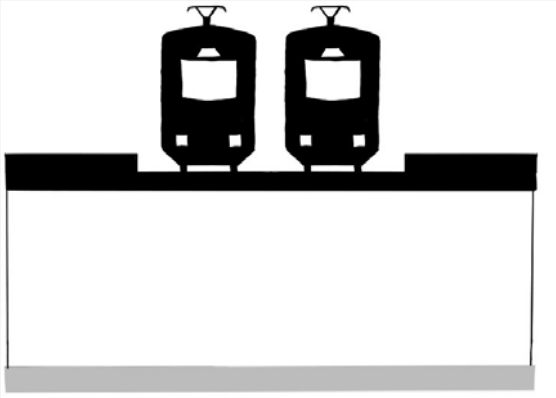
Freight Operations

Industrial Surroundings

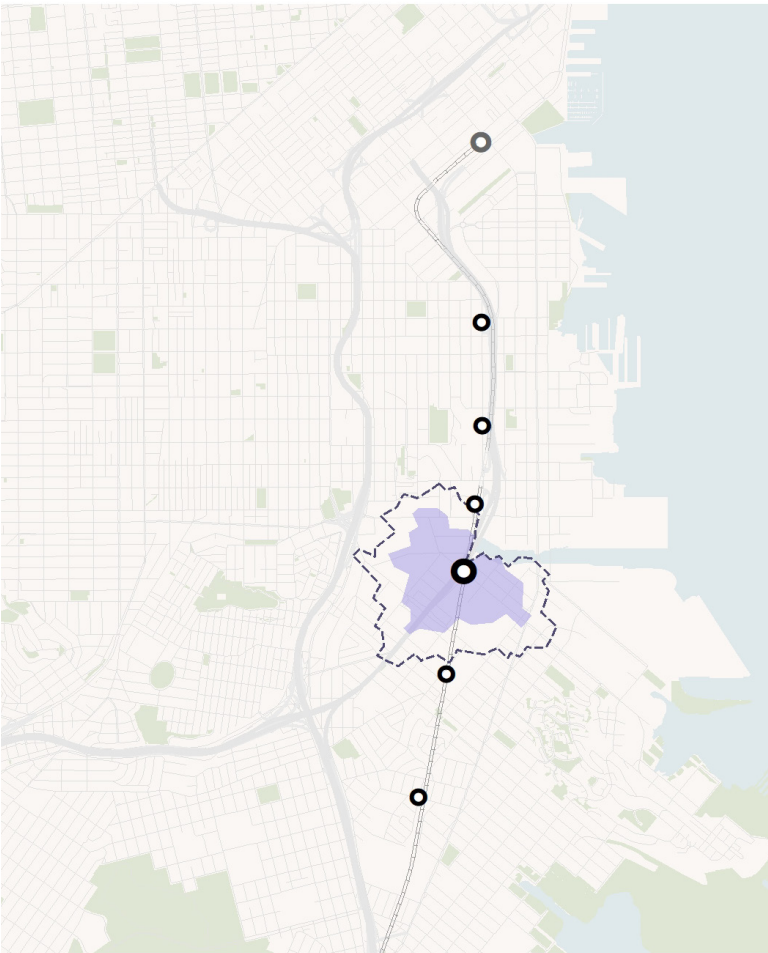
Complex Geotechnical Setting

Station diagram

Elevated Station



EXISTING WALK TRAVEL SHED

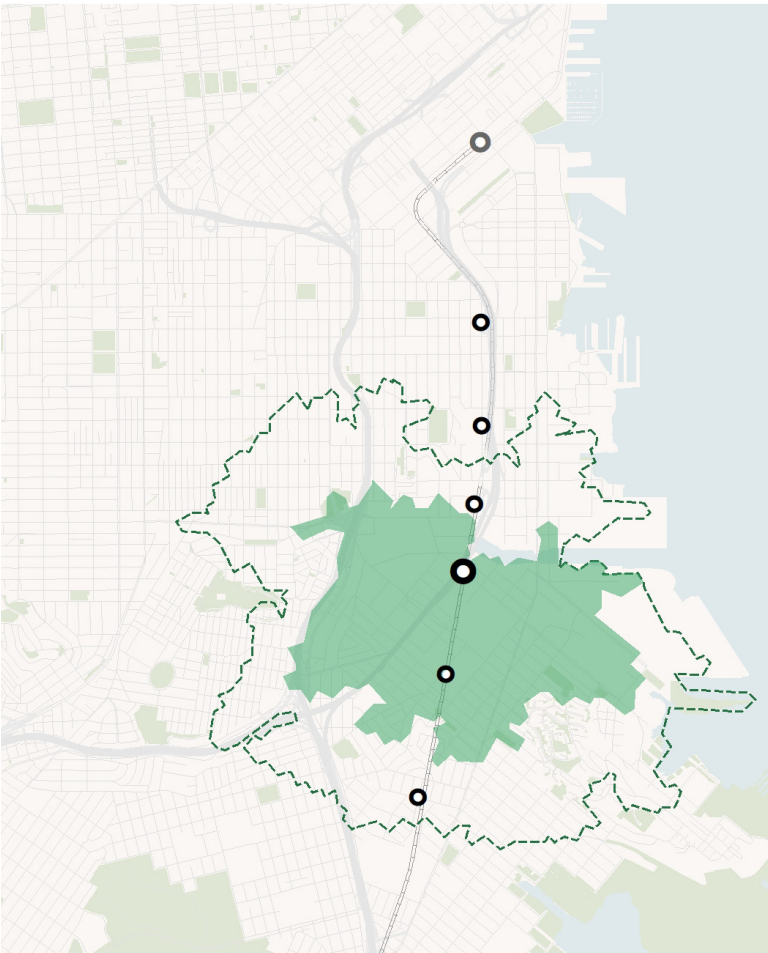


LEGEND

Walk Travel Shed

10mins 15mins

EXISTING BIKE TRAVEL SHED



Bike Travel Shed

10mins 15mins

NETWORK CONNECTIVITY



Medium



High



Medium

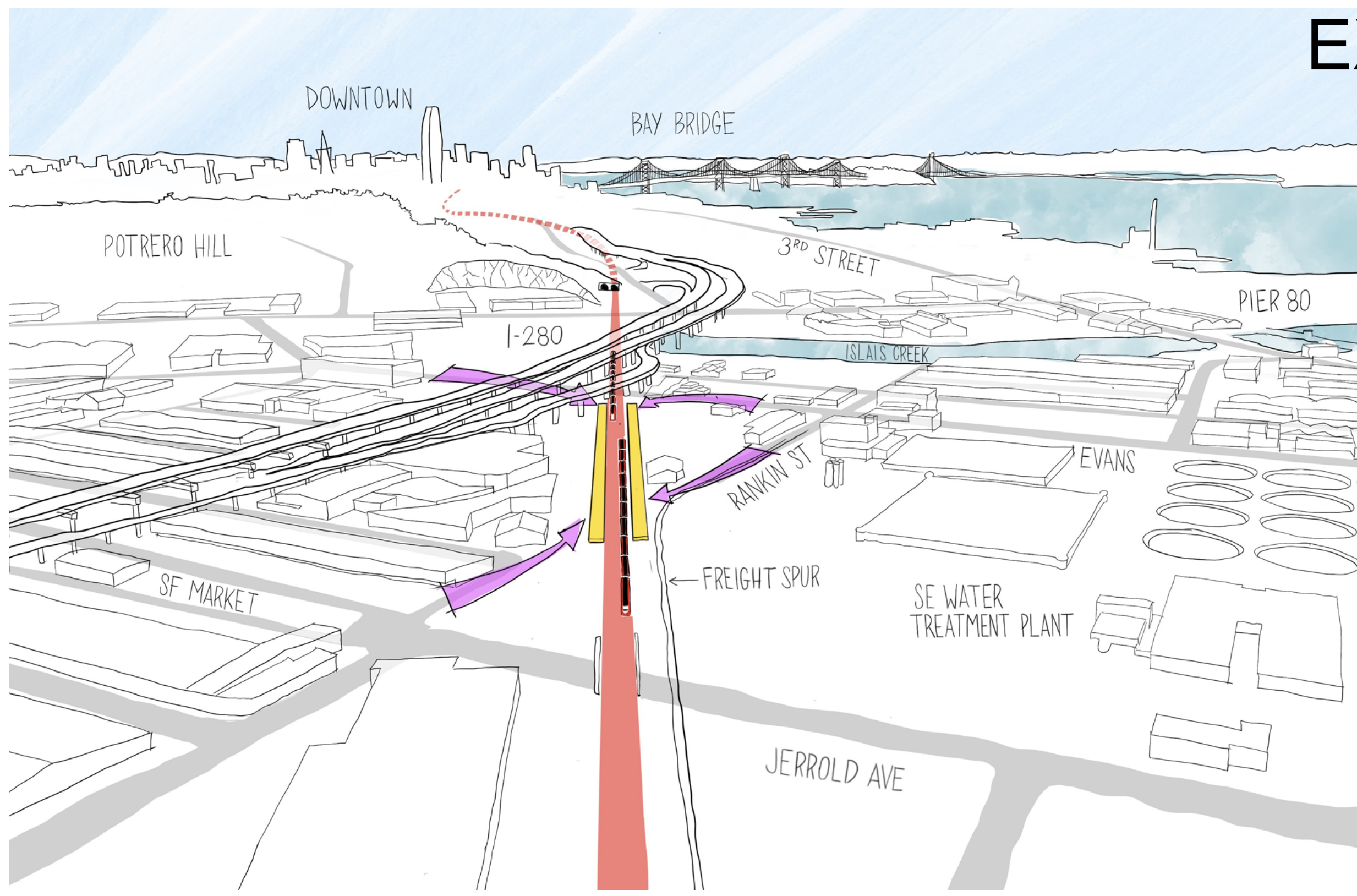
Network connectivity scores are based on WalkScore.com relative rankings.

*Future employment estimate from SF-CHAMP.

**Costs Ranges: \$ = Less than \$150 Million, \$\$ = \$150 Million to \$500 Million, \$\$\$ = More than \$1 Billion. Cost estimates are independent of PAX tunnel costs.

EVANS AVENUE STATION

Looking North

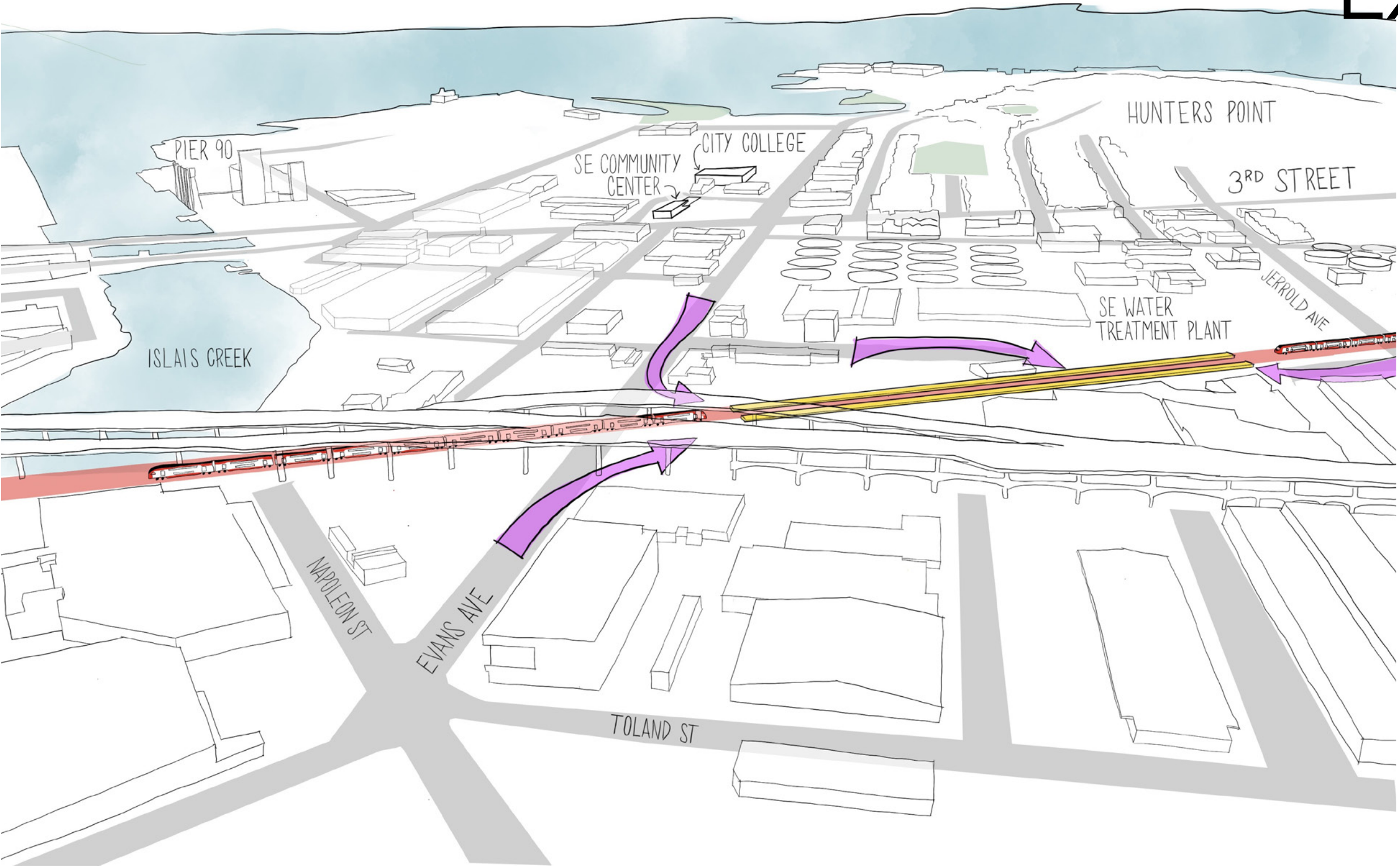


LEGEND

- At Grade
- Tunnel
- At Grade Station
- Tunnel Station
- Station Access Route

EVANS AVENUE STATION

Looking Southeast



LEGEND

- At Grade
- Tunnel
- At Grade Station
- Tunnel Station
- Station Access Route

OAKDALE AVENUE STATION

Station Context

This station option is located between Jerrold Avenue and Oakdale Avenue in the Bayview. There are industrial uses to the north and west and residential neighborhoods to the south and east. Hunters Point is a short distance to the east.

Station Configuration

This station would have side platforms at grade. Adjoining land could provide space for passenger amenities including drop off, personal mobility parking and storage, and/or public plazas.

Community Served

The station serves the Bayview and Hunters Point with residential and commercial neighborhoods nearby.

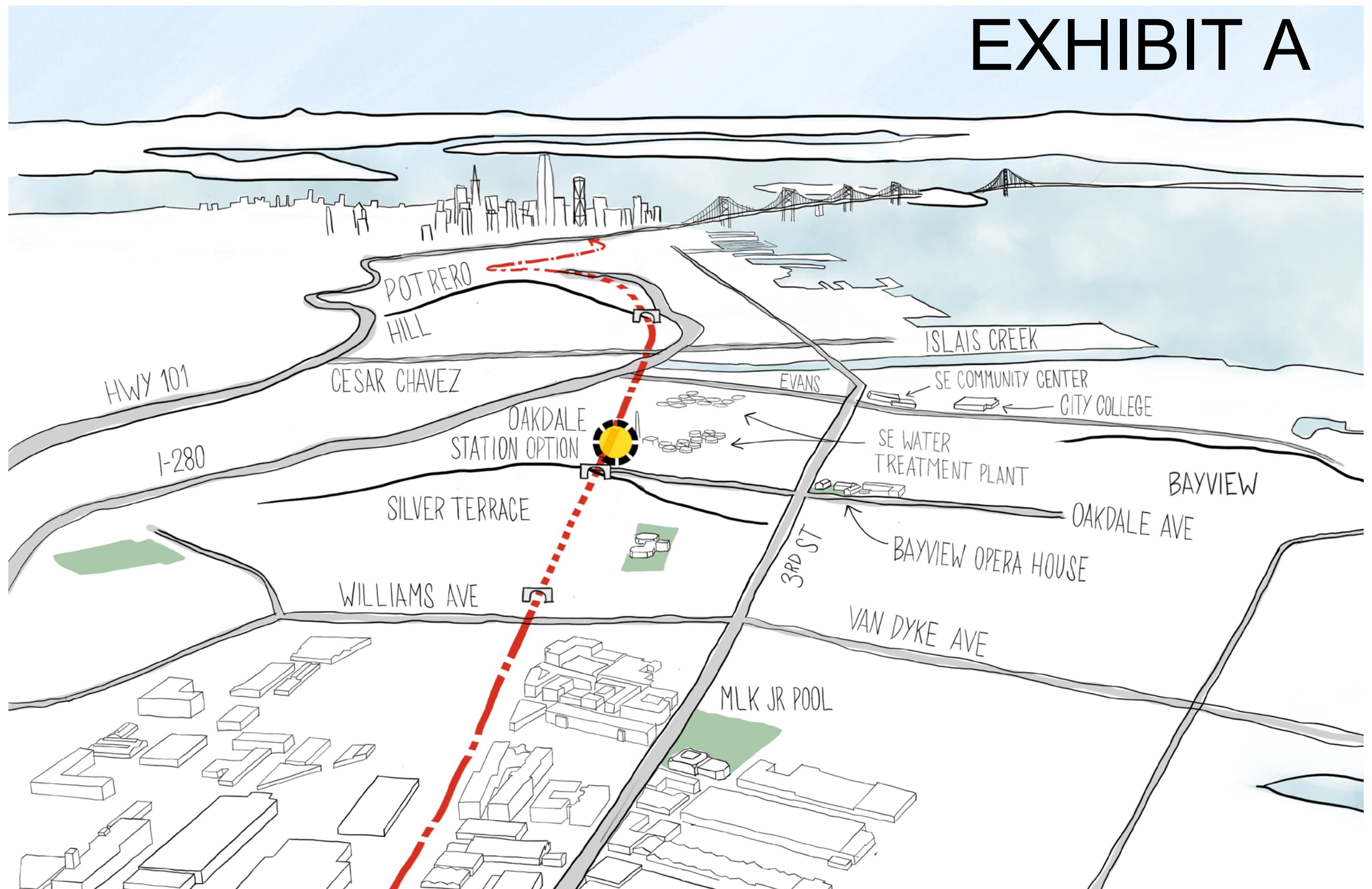
Access/Connections

The station would be accessed from Oakdale Avenue from the south and Jerrold Avenue and Quint Streets from the north. Access from the east would need to be coordinated with private property owners. The station has good existing bus service and is within a 5-minute walk to a Third Street light rail stop.

Constructability

A station at Oakdale would work in tandem with the proposed Jerrold/ Quint Street connector road and would modify the Quint Street berm to provide access to the platform.

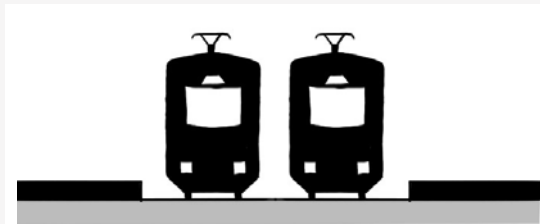
EXHIBIT A



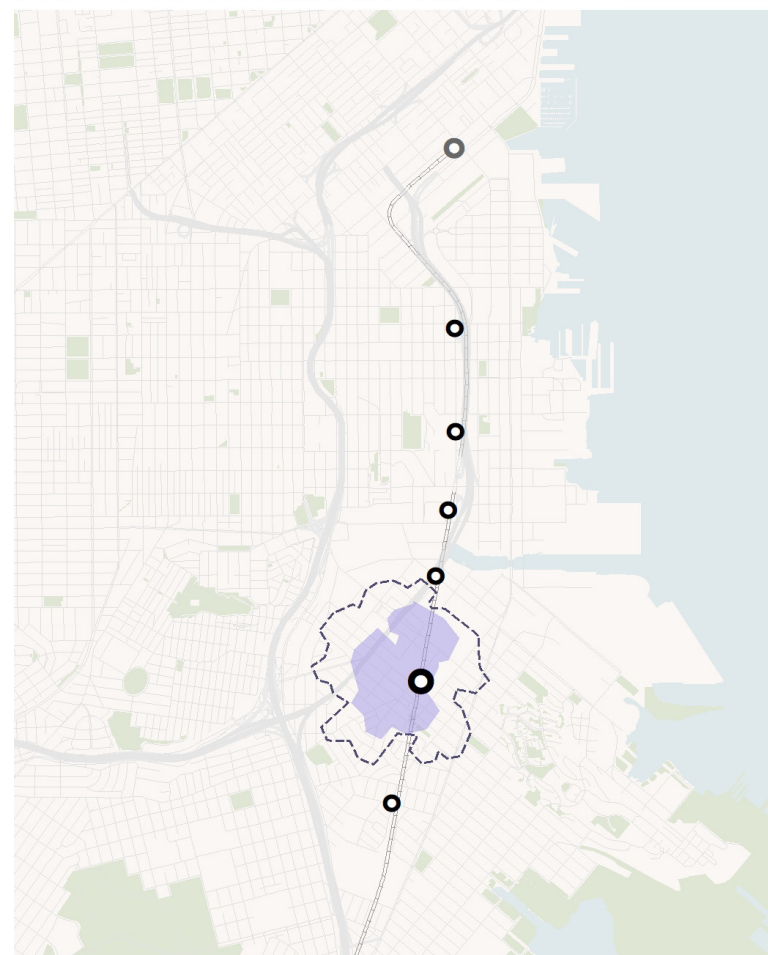
OAKDALE AVENUE STATION OPTION EXHIBIT A

EXISTING STATION CHARACTERISTICS

Major planned and approved developments	Hunters Point Shipyard & Candlestick Point	India Basin
	SF Wholesale Produce Market	Prologis Warehouse
Primary land uses	Residential	
	Production, Distribution, Repair	
Existing Density	🏠 14K /sqm	
Future Density*	🏠 16K /sqm	🏢 14k /sqm
Applicable PAX tunnel	All Options	
Cost**	\$\$\$	
Risks	Sea-level Rise	Complex Geotechnical Setting
	Freight Operations	Industrial Surroundings
Station diagram	At-Grade Side Platform	



EXISTING WALK TRAVEL SHED

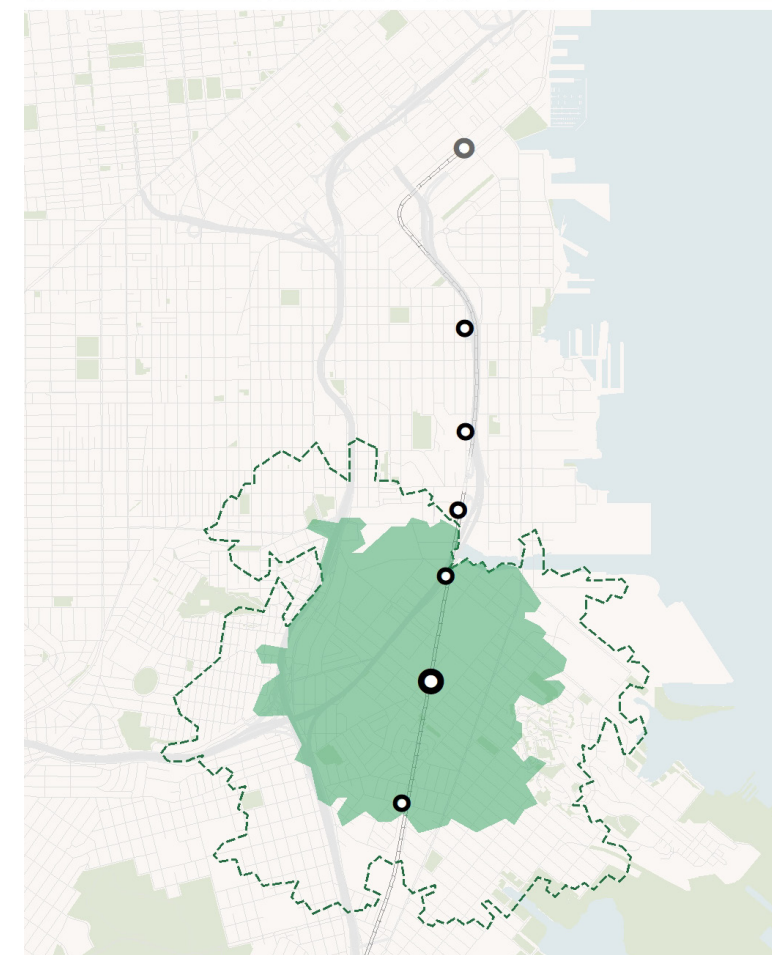


LEGEND

Walk Travel Shed

10mins 15mins

EXISTING BIKE TRAVEL SHED



Bike Travel Shed

10mins 15mins

NETWORK CONNECTIVITY



Medium-High



Medium-High



Medium-High

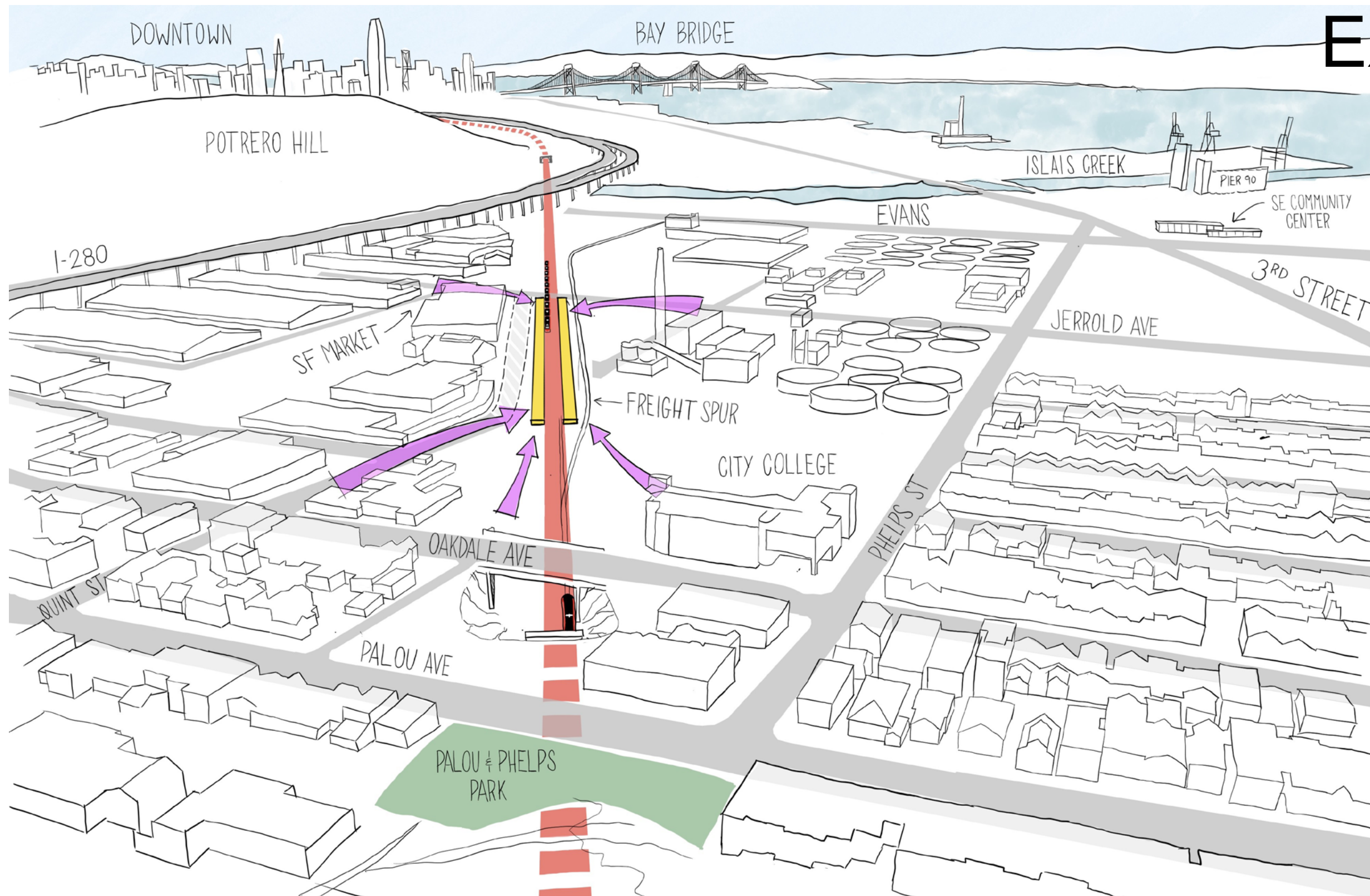
Network connectivity scores are based on WalkScore.com relative rankings.

*Future employment estimate from SF-CHAMP.

**Costs Ranges: \$ = Less than \$150 Million, \$\$ = \$150 Million to \$500 Million, \$\$\$ = More than \$1 Billion. Cost estimates are independent of PAX tunnel costs.

EXHIBIT A

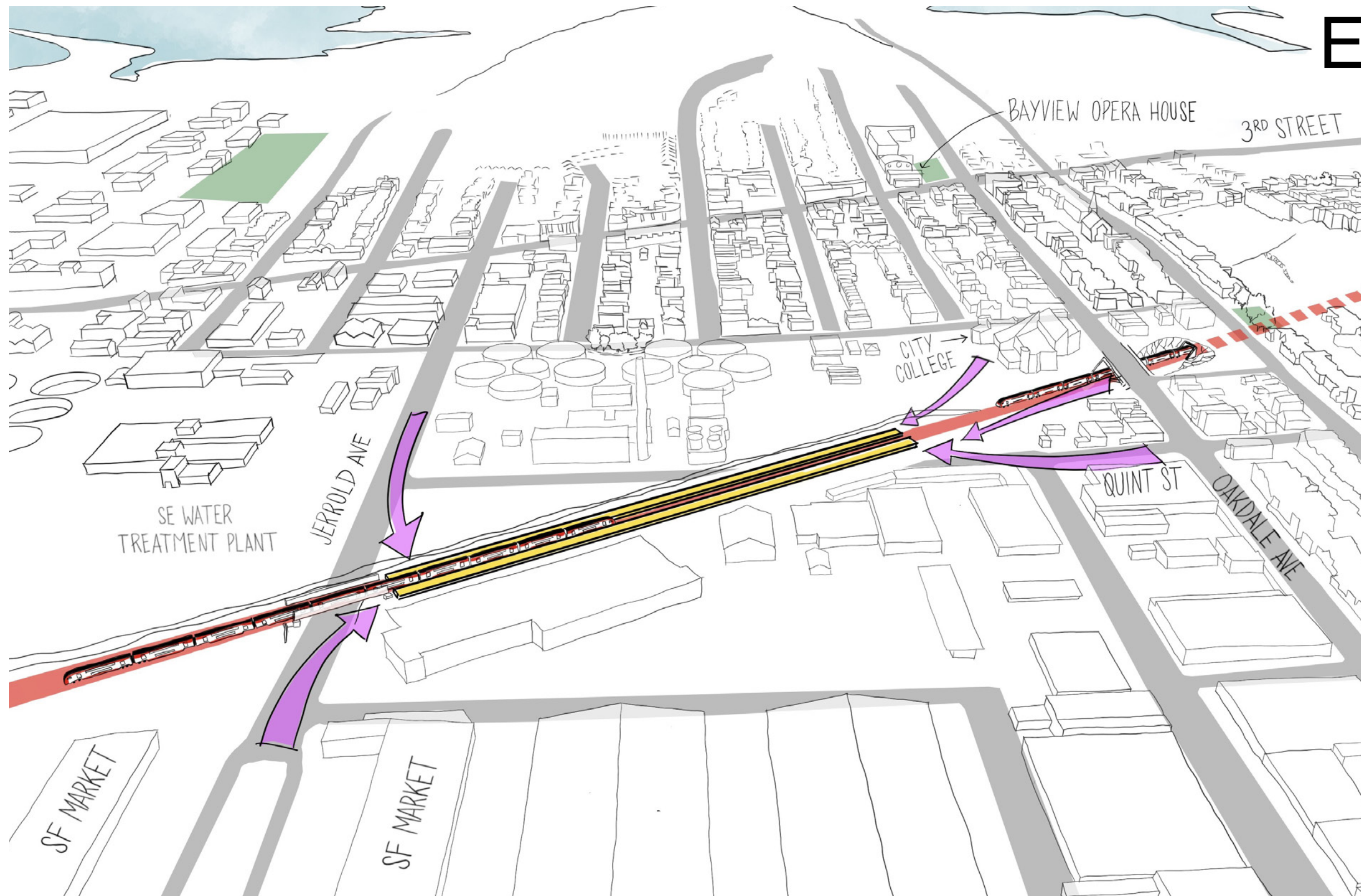
OAKDALE AVENUE STATION
Looking Northeast



LEGEND

- At Grade
- Tunnel
- At Grade Station
- Tunnel Station
- Station Access Route

OAKDALE AVENUE STATION Looking Southeast



LEGEND

- At Grade
- Tunnel
- At Grade Station
- Tunnel Station
- Station Access Route

WILLIAMS AVENUE STATION

Station Context

This station option is located between Williams Avenue and Egbert Avenue in the Bayview. The Florence Fang Community Farm is to the north of the station platform. The Bayview Police Station and a commercial area including a grocery store are to the west of this station option.

Station Configuration

The station would be configured with side platforms at grade. A pedestrian bridge may be desirable to better connect the south end of the platform.

Community Served

The station serves the surrounding Bayview residential and commercial neighborhoods, and is located less than ¼ mile from the intersection of Third Street and Williams Avenue. Many people live within walking distance of this station option.

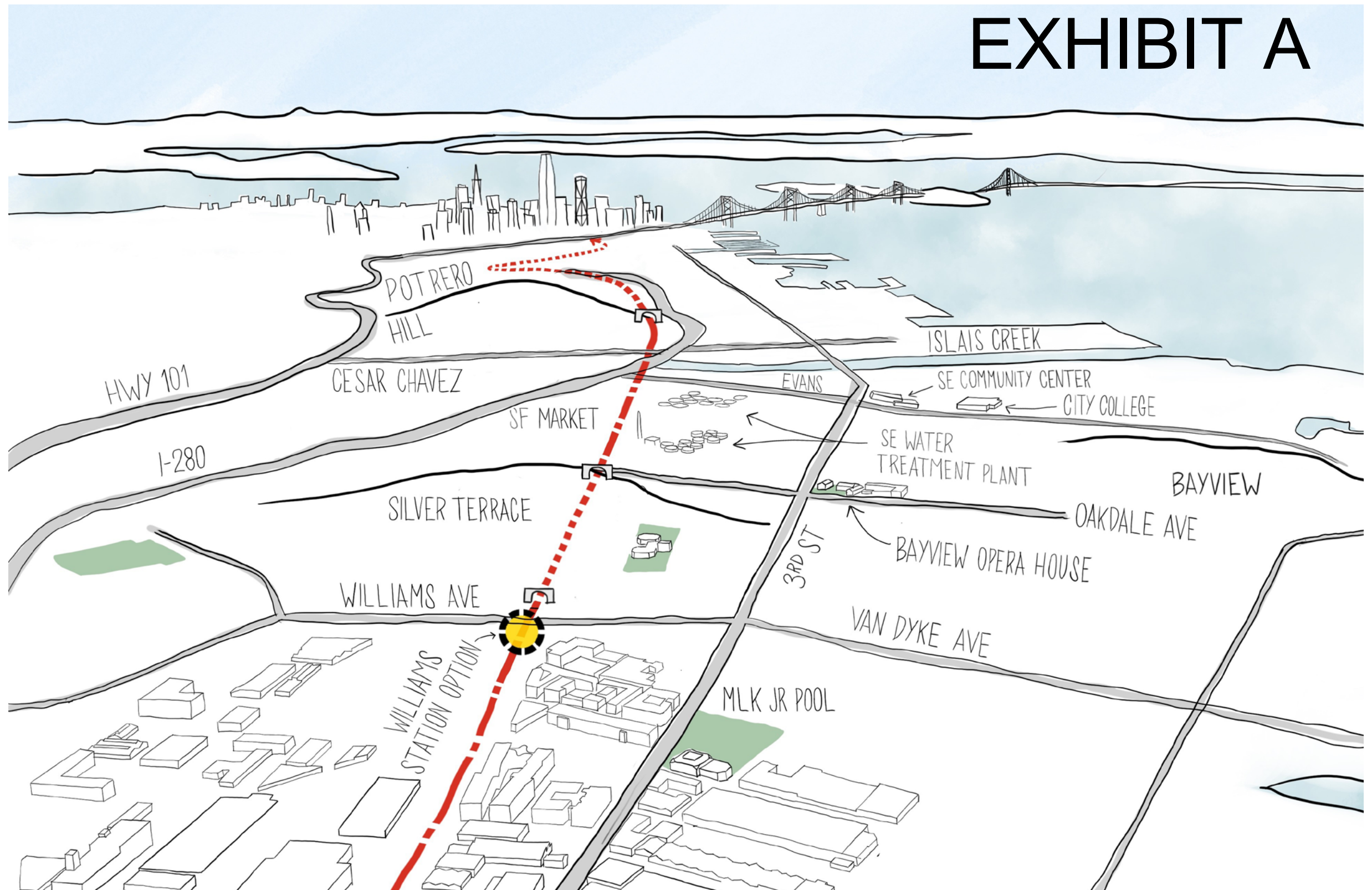
Access/Connections

Station access is proposed from Williams from the north, and Egbert and Carroll Streets from the south. The station is already well served by local transit service and is within a 5-minute walk to a Third Street light rail stop.

Constructability

A station at Williams would require accommodation or closure of the UPRR freight spurs at the east side of the tracks. The Williams Avenue bridge may require replacement for platform access, the tunnel portal to the south may also require rebuilding.

EXHIBIT A



WILLIAMS AVENUE STATION OPTION EXHIBIT A

EXISTING STATION CHARACTERISTICS

Major planned and approved developments

Hunters Point Shipyard & Candlestick Point

Primary land uses

Residential

Existing Density

21K/sqm

Future Density*

26K/sqm

8k/sqm

Applicable PAX tunnel

All Options

Cost**

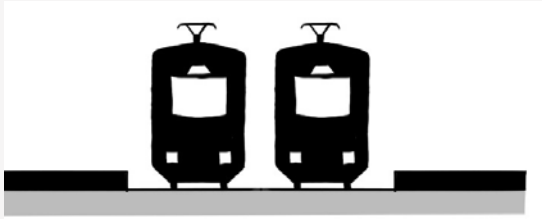
\$\$\$

Risks

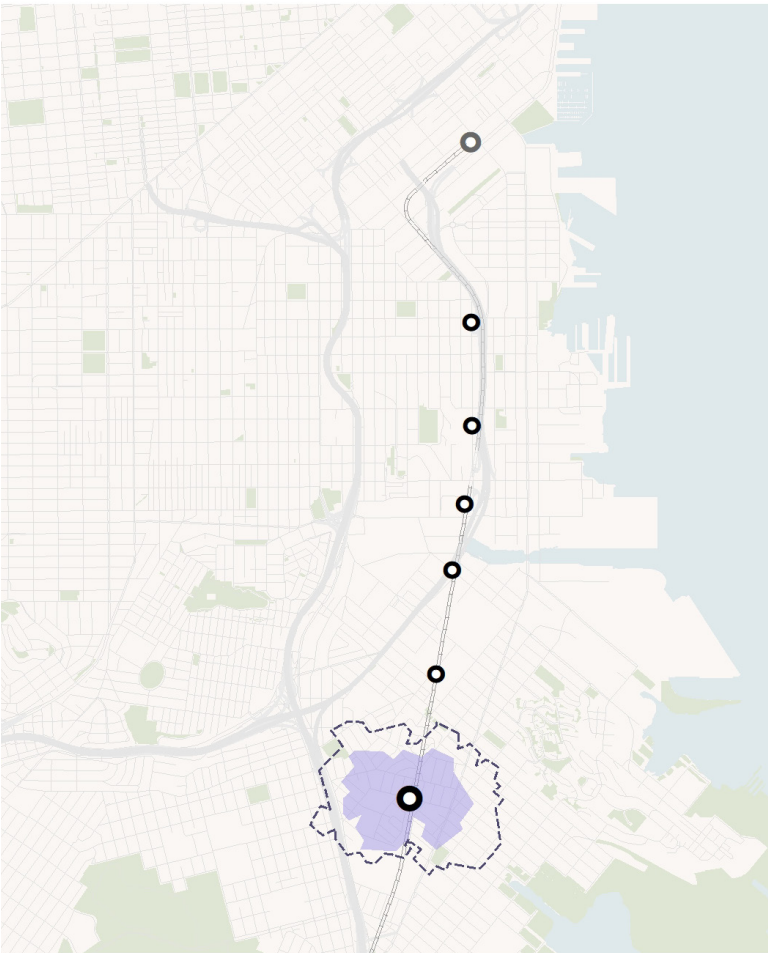
Freight Operations

Station diagram

At-Grade Side Platform



EXISTING WALK TRAVEL SHED

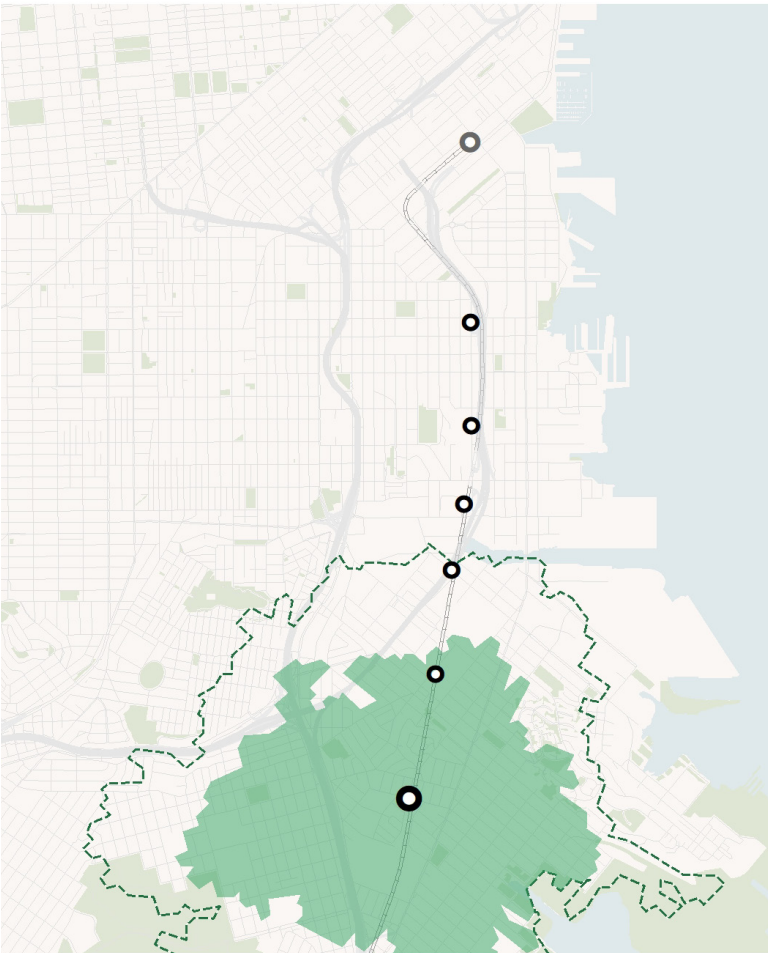


LEGEND

Walk Travel Shed

10mins 15mins

EXISTING BIKE TRAVEL SHED



Bike Travel Shed

10mins 15mins

NETWORK CONNECTIVITY



Medium-High



Medium



Medium-High

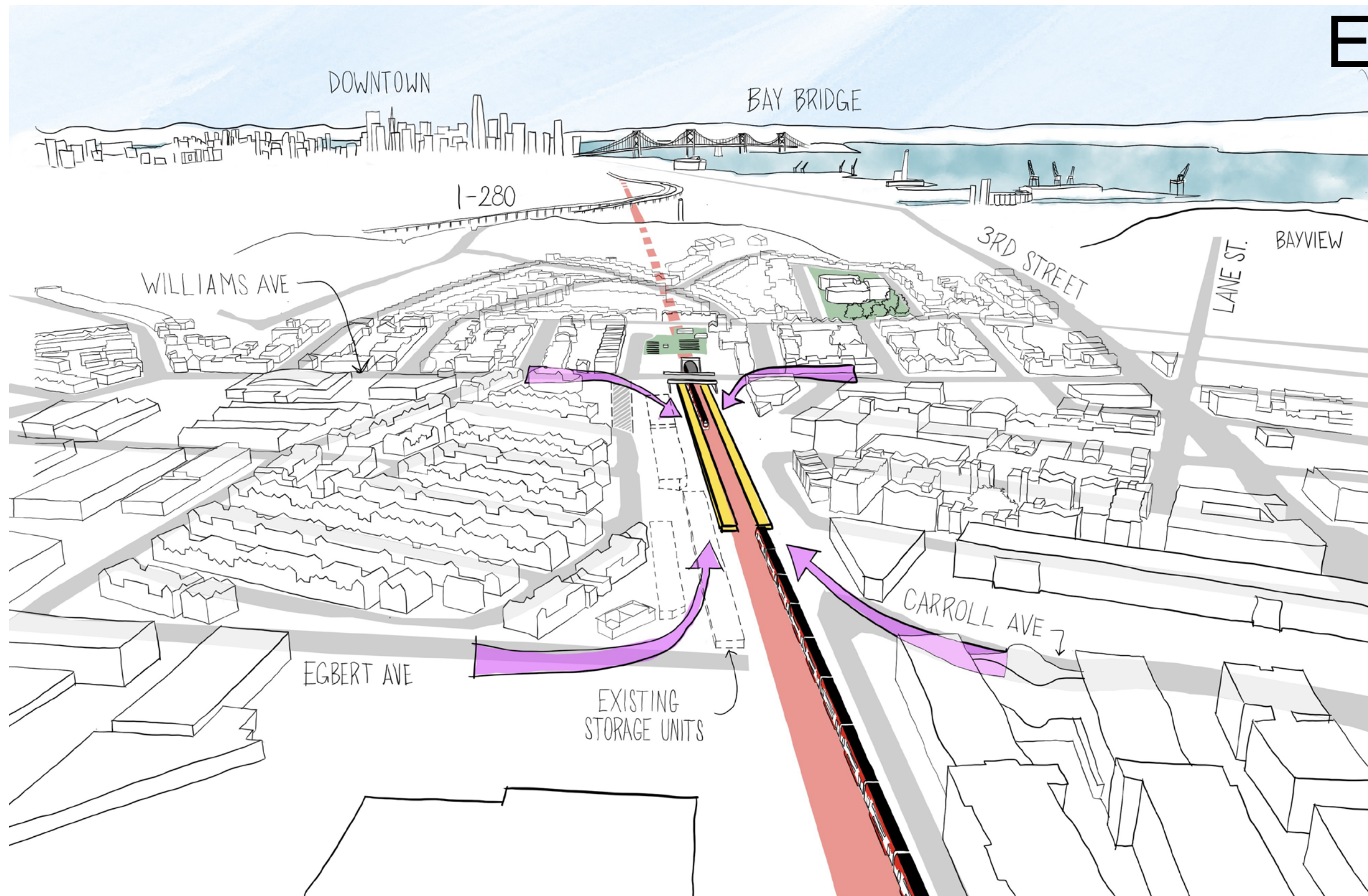
Network connectivity scores are based on WalkScore.com relative rankings.

*Future employment estimate from SF-CHAMP.
**Costs Ranges: \$ = Less than \$150 Million, \$\$ = \$150 Million to \$500 Million, \$\$\$ = More than \$1 Billion. Cost estimates are independent of PAX tunnel costs.

EXHIBIT A

WILLIAMS AVENUE STATION

Looking Northeast



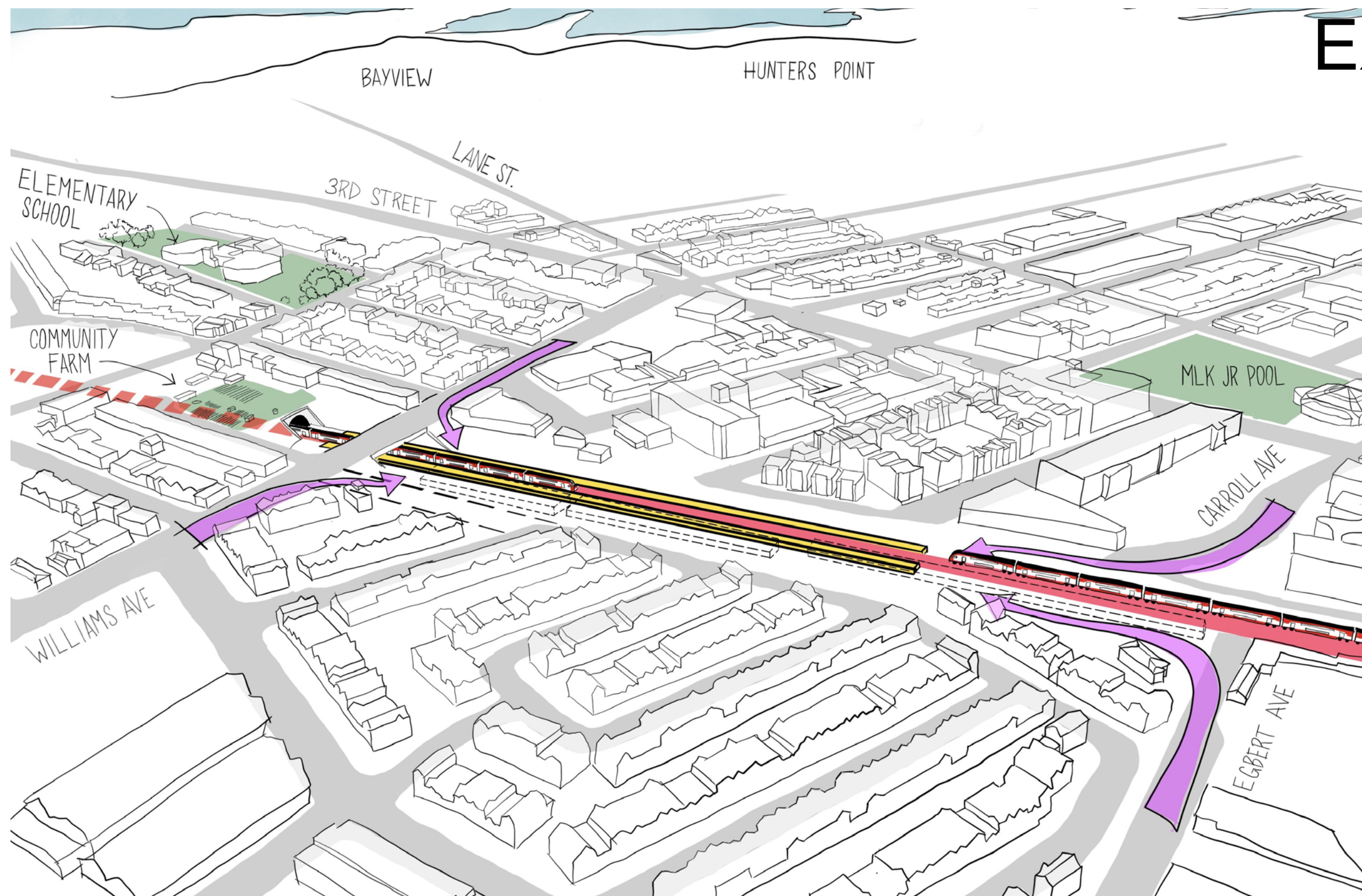
LEGEND

- At Grade
- ⋯ Tunnel
- At Grade Station
- Tunnel Station
- ↖ Station Access Route

EXHIBIT A

WILLIAMS AVENUE STATION

Looking East



LEGEND

- At Grade
- Tunnel
- At Grade Station
- Tunnel Station
- Station Access Route

ENGAGEMENT SUMMARY

EXHIBIT A

When the Southeast Rail Station Study commenced in March 2020, COVID-19 was just beginning and community outreach was deferred to a later phase in hopes of improved public health circumstances. As the study was drawing to a close in summer 2021, the decision was made to move ahead with public outreach with the acknowledgment that it would need to be conducted virtually. The study team aimed to build off prior outreach conducted by the ConnectSF long-range transportation planning study as well as the Bayview Community Based Transportation Plan.

Outreach and engagement activities were split into three stages: Round 1 Workshops, Round 2 Workshops, and Community Group Meetings. A project web page, email, and voicemail were created prior to the first round of workshops. Around 20 individuals reached out to voice opinions or request more information or clarifications using the project email. Fewer than 10 voicemails were received, with most being a request for more information.

PROJECT OUTREACH

Outreach preceded each phase of engagement and covered a geographic area from Mission Bay in the north to the southern edge of the Bayview Hunters Point neighborhood and as far west as the Mission. Given the historical inequities in the eastern part of the city, the project team more heavily targeted outreach to the Bayview Hunters Point area. Most of the outreach efforts were completed by the project team, but some outreach was funneled through local community-based organizations who were offered a \$250 stipend for sharing the project information through social media or by posting the outreach materials. The following organizations agreed to help distribute project information: WalkSF, Livable City, Potrero Hill Boosters, The Landing, Green Benefit District, Southeast Community Facility Commission, and the Potrero-Dogpatch Neighborhood Association. Digital ads were placed with the San Francisco Bayview and the Potrero View. The SF Examiner independently covered the project.

The project team developed two types of collateral using a diagram of the proposed station locations, door hangers and posters. In the weeks leading up to the Round 1 workshops in early October and the Round 2 Workshops in early November the following activities were conducted:

- Approximately 2,500 door hangers were distributed in the Mission District, Potrero Hill, Portola, Visitacion Valley, and the Bayview. The door hangers were distributed to residential locations and used as a flyer for intercept outreach.
- Over 250 posters were placed along main corridors with high foot traffic: along 24th Street and Mission Street near the BART station, on Bayshore from Silver Avenue to Mansell Street, Third Street from Key Avenue to 16th Street, Evans Avenue from Third Street to Hunters Point Boulevard, 16th Street from Valencia Street to Mississippi Street and 18th Street from Arkansas Street to Pennsylvania Street.
- Posters and door hangers were also dropped off at key locations, including but not limited to: elementary schools, public housing units, food banks, and hospitals.
- The poster included tear-offs with a phone number so that people could request an information packet be mailed.
- Seven requests for hard copies of the meeting materials were responded to.
- Nine hours of intercept outreach were conducted at the 22nd Street Station.
- Social media posts (Nextdoor, Facebook and Twitter) were made to promote the workshops.

VIRTUAL WORKSHOPS

Each of the two virtual workshops included a presentation from the project team followed by time for audience questions. Each round’s workshop was offered on two separate dates and times to expand opportunities for participation. All workshop materials were prepared in English, Spanish, and Cantonese, and recordings of the presentation in all three languages are available on the project web page. The Southeast Rail Station Study Core Team, including SF Planning, SFMTA, SFCTA, and Caltrain were involved in planning, coordinating, and hosting both rounds of workshops.

	Round 1 Workshop	Round 2 Workshop
Dates and Times	Thursday, October 7 th at 6PM Saturday, October 9 th at 12PM	Thursday, November 4 th at 6PM Saturday, November 6 th at 12 PM
Number of Attendees	35	50
Workshop Goals	<ul style="list-style-type: none">- Ensure the public’s general understanding of the project- Provide context and explain the connection between the Southeast Rail Station Study and other rail efforts in SF- Answer general questions about the project- Obtain public feedback on analysis and alternatives / allow stakeholders to hear directly from each other- Ask about priorities for possible station sites (for example, regional connectivity or economic vitalization)- Take a temperature check on public’s appetite for these projects- Promote second workshop	<ul style="list-style-type: none">- Ensure the public’s general understanding of the project- Share station option pros and cons discovered through engineering feasibility, land use, demographic, and network analysis- Collect community feedback on the station alternatives and allow attendees to hear each other’s feedback- Answer questions about the project

AGENCY BOARDS, COMMITTEES, AND COMMUNITY GROUP PRESENTATIONS

EXHIBIT A

The third stage evolved more organically as community groups expressed interest in the project. Ultimately, the Southeast Rail Station Study team coordinated with 15 community groups, most often joining the community group’s regularly scheduled meetings.

Date	Organization	General Feedback
10/20/21	Caltrain CAC	broadly supportive
10/21/21	SF Planning Commission	broadly supportive, questions about how outreach is reaching the Bayview and a request to represent upcoming development projects on a map along with the station alternatives
10/26/2021	SFCTA Board	supportive comment for a new Bayview station from D10
10/26/2021	Potrero Boosters	strong interest in maintaining 22nd Street Station at its current location, some interest in Mariposa, lack of interest in Cesar Chavez, concerns about safety, transit reliability, and construction impacts of PAX
10/27/2021	SFCTA CAC	broadly supportive
11/2/2021	UCSF Staff	received a follow-up email requesting to be kept informed, and noting past investments in the Green Benefits District that improved existing 22nd Street Station
11/8/2021	Friends of Caltrain, SF Transit Riders and Streets for People	broadly supportive, questions about why not both Mariposa and Cesar Chavez
11/9/2021	Dogpatch Neighborhood Association	broadly supportive, concerns about Cesar Chavez alternative, questions about increased train service, safety and ADA access at the existing station
11/17/2021	Southeast Community Facility Commission	concerns about the level of outreach and participation in the Bayview, desire to see a concept sketch for Evans, and interest in understanding how community input would be weighted in selecting the station site
12/9/2021	City College of San Francisco Board of Trustees	request to add CCSF facilities to the project graphics
12/11/2021	Florence Fang Community Farm	interest in a station but not at Williams due to potential impacts to the farm, some Caltrain riders shared that they drive to Millbrae as there is abundant parking there
1/5/2022 2/2/2022	Bayview Hunters Point CAC	concerns about breadth and depth of outreach to the Bayview community, interest in submitting a position letter, strong support for Oakdale and discussion about Evans
2/14/2022 5/9/2022	Hunters Point Shipyard CAC	concern about timing of outreach to CAC, support for Evans given the proximity to the Southeast Community Center, request for draft plan, and concern about lack of Bayview community representation on consultant team
5/12/2022 June 2022	SF Planning Commission	TBD
June 9, 2022	Bayview Community Public Meeting including CACs	TBD

FEEDBACK ON STATION OPTIONS

Community members and stakeholders were united in their support for regional rail service and station access in southeast San Francisco. There was support from each of the distinct communities – Dogpatch/Potrero and Bayview/Hunters Point – for a station of their own. The summaries below capture comments shared through in-person, online, and community group venues, and represent the latest feedback in a multi-decade planning process. A detailed record of feedback can be found in the Appendix.

DOGPATCH/POTRERO OPTIONS

Most commenters expressed interest in retaining a station in the vicinity of the existing 22nd Street station. Some commenters were intrigued by the Mariposa option, however, and noted the proximity to Mission Bay jobs, event centers, and 16th Street transit as positives. Cesar Chavez was the most criticized option and was not favored by many commenters due to the auto-oriented nature of the street network and the distance from residential and employment hubs. In addition to feedback on the station options, many community members expressed interest in speeding up the timeline for nearer-term accessibility upgrades to the existing 22nd Street station.

BAYVIEW/HUNTERS POINT OPTIONS

Community members expressed a mix of appreciation that a station might be moving forward and frustration that the community has been without a station since 2005 with little progress to show after many prior station studies.

There was no consensus on a preferred station option. Oakdale received the most direct support from a range of community members as a central place in the Bayview with strong connectivity to the rest of the neighborhood and potential to repurpose the Southeast Community Facility site on Oakdale Avenue as a transit-oriented community space. Both Oakdale Avenue and Evans Avenue have been the subject of prior station studies although Oakdale has been the focus in recent decades and has the full support of the Bayview Hunters Point CAC. The Evans Avenue location received support from the Hunters Point Shipyard CAC since Evans Avenue is one of the primary routes into and out of the future Hunters Point Shipyard development. Early in the process, the Williams Avenue option was flagged by the Florence Fang Community Farm as a possible negative impact to their property. Although the station design would not directly touch the property, the Farm’s leaders expressed concern about development pressure and many community organizations and individuals reinforced the Farm’s concerns about the Williams Avenue option.




EXHIBIT A

Questions?

Place questions in the chat or raise your hand. We will take chat questions first.

Alternatively, visit sfplanning.org/serss and share feedback in an email to CPC.SERSS@sfgov.org or leave us a voicemail at 415-593-1655.





Breakout Rooms

For Spanish or Cantonese interpretation, please use the "Raise Hand" or chat feature in Zoom, or raise your hand if you are on camera. If you dialed in, you please press star nine to be placed into the Spanish or Cantonese breakout room. The Spanish breakout room will have the slide deck in Spanish and the Cantonese breakout room will have the slide deck in Chinese.

Si usted gustaría escuchar esta presentación en español, por favor use la herramienta "Levantar la mano" en Zoom.

Si usted está escuchando desde su teléfono, por favor presione asterisco nueve para ser parte del "Breakout Room" en español.

我們今天提供廣東話翻譯服務。如果您需要翻譯服務的話，請使用Zoom的「Raise Hand」功能。如果您是在電話接入，請按星號和9以聽廣東話翻譯。中文會議室將有中文的簡介內容。

NEXT STEPS

Constructing stations in the Bayview and Dogpatch/Portrero neighborhoods will require a series of activities which can begin immediately. This section provides an overview of some of the key steps for successful implementation.

COORDINATION WITH CALTRAIN & FREIGHT OPERATOR

Caltrain and San Francisco are key partners in the location and design of new station facilities in the Dogpatch/Portrero and Bayview communities. This includes coordination on station design parameters in the context of both current and planned rail operations when electrified rail service is available in late 2024. Key issues to be considered in the next phase of work include the design of key station elements to accommodate all trains, service planning, and the ability to maintain passenger rail operations during construction.

Union Pacific currently operates freight trains along the Caltrain corridor, mostly at night when passenger rail traffic is limited. Freight spur tracks that provide access to local industries and Pier 96, are located at the Evans, Oakdale, and Williams station sites. Key issues to be coordinated with Union Pacific include the future need for these spur tracks as well as right-of-way considerations related to both design of the station platforms and access facilities.



EXHIBIT A

DOGPATCH/POTRERO NEXT STEPS

Station alternatives in the Dogpatch/Potrero community were developed to pair with PAX tunnel alignment alternatives at approximately Mariposa Street, 22nd Street, and Cesar Chavez Street.

IMPLEMENTATION TIMEFRAME

The DTX tunnel, just north of the PAX tunnel segment, was environmentally cleared in 2019 and construction is expected to begin in approximately 2025. Rail operations within the DTX tunnel are expected to begin in the early 2030s. The PAX tunnel segment and station would be several years behind the DTX tunnel. The next stage of work will involve additional focused design and coordination efforts that will identify the most feasible PAX alignments that will proceed into environmental studies.

The PAX Project Initiation Report, which documents the development and preliminary screening of tunnel alignment alternatives conducted in 2021, will be completed by SFCTA in early 2022. The PAX concept planning study identifies three shortlisted alignments including a long alignment, a mid-length alignment, and a short alignment with split tunnels. The next phase of PAX work will consist of a follow-up technical study to further investigate PAX alternatives and recommend the approach to advancing the project into environmental review.

FUNDING OPPORTUNITIES

Construction of a modified version of the current 22nd Street station or a new replacement station would occur in conjunction with the PAX tunnel project. During future stages of planning and development for the PAX tunnel project, a funding plan will be prepared, and the process will be structured to reflect grant program requirements. As an example, pursuit of federal grant funds would require that a NEPA environmental assessment be completed in conjunction with a state CEQA environmental assessment.

Major rail subway projects such as PAX are typically funded by a package of federal, state, regional, and local sources. The New Starts element of the Federal Transit Administration's (FTA) Fixed Guideway Capital Investment Grant (CIG) Program is the largest federal transit funding program that could be applicable to the PAX tunnel project. The recent Infrastructure Investment and Jobs Act (IIJA) authorizes \$3 billion per year in annual appropriations for the CIG program.

A variety of state transportation funding sources may be pursued for the PAX tunnel project. In July 2021, the California State Transportation Agency adopted the Climate Action Plan for Transportation Infrastructure (CAPTI) that commits the state to investing billions of discretionary dollars annually to aggressively combat and adapt to climate change. The first of 10 guiding principles in the plan is "Building toward an integrated, statewide rail and transit network."

Most grant programs require a match with one or more sources of local funds. For the PAX tunnel project, this could include funds from sources such as the local sales tax program and funding associated with the potential development of the 4th and King Railyards and the surrounding area that would be supported by under-grounding the rail line.

Finally, the PAX project is necessary to support increased operations on the rail corridor with the future arrival of High-Speed Rail and the growth of Caltrain service in the future. Capital contributions from one or both of the rail operators could be considered as part of the overall funding strategy.

EXHIBIT A

To chart a clear path forward on funding for major infrastructure projects, the City is currently updating its countywide transportation plan. This plan, known as SFTP2050, is the city's funding blueprint for transportation priorities to move the city towards a sustainable, equitable, and affordable transportation system. The SFTP will support implementation of these projects, along with a new expenditure plan for the existing transportation sales tax, which will help implement SFTP 2050 and include funding for local and regional investments, including projects discussed in this study. It will prioritize \$2.4 billion over 30 years, with the majority of funding going to transit consistent with the City's transit first policy.

FUTURE PROJECT DELIVERY ACTIVITIES

The objective of future phases of PAX studies is to narrow the alignment alternatives and ultimately select a single alignment to design and construct. Project impacts and benefits will be evaluated in more detail at the next stage and will be used to focus the scope for future state and federal environmental review of the project.

Stakeholder engagement will also occur at key planning and environmental milestones to gather input on PAX tunnel and station options. Community stakeholders include neighborhood organizations (Potrero Hill, Dogpatch, Central Waterfront, Mission Bay), employers, Caltrain riders, schools, and hospitals. Agency stakeholders include Caltrain, California High-Speed Rail Authority, Caltrans, the Port of San Francisco, and the City .

Key steps in delivering a new Dogpatch/Potrero station include identification of a lead agency, detailed design and engineering, environmental review, acquiring funding, and solidified neighborhood stabilization policies.

DISPLACEMENT CONSIDERATIONS & DEVELOPMENT PIPELINE

Displacement typology maps prepared by the [Urban Displacement Project](#), a research initiative of UC Berkeley and the University of Toronto, provide an indication of gentrification status by census tract. The census tracts surrounding the Dogpatch/Potrero station locations are designated as "Advanced Gentrification" or "Stable/Advanced Exclusive." Advanced Gentrification typology areas are identified as having gentrified over the past three decades and having housing affordable to middle, high, mixed moderate and mixed high-income households. Stable/Advanced Exclusive typology areas are identified as having gentrified over the past two decades and being affordable to high or mixed high-income households. The Community Stabilization initiative is a multi-agency San Francisco effort to mitigate the impacts of ongoing displacement. While most housing in this part of the corridor is considered stable, the displacement potential of a new or rebuilt station should be considered when designs are advanced for a Dogpatch/Potrero station.

Development is booming along the PAX corridor. Small and medium residential projects dominate on Potrero Hill west of the corridor and much larger projects are in the pipeline east of the corridor. The Dogpatch projects between Mariposa Street and 22nd Street are residential and mixed-use while the projects between 22nd Street and Cesar Chavez are primarily light industrial and warehousing. The development pipeline is visualized in Appendix I.

BAYVIEW NEXT STEPS

Station alternatives in the Bayview community were identified at approximately Evans Avenue, Oakdale Avenue, and Williams Avenue.

IMPLEMENTATION TIMEFRAME

It is anticipated that SFCTA will advance design and prepare for environmental clearance activities over the next 12-18 months. These steps can begin upon completion of this study although schedule will be impacted by the ability to select a preferred station. SFCTA is committed to seeing it through to completion.

FUNDING OPPORTUNITIES

Funding for a Bayview rail station would likely come from a mix of federal, state, regional, and local programs. As a standalone rail station project, the project would not qualify for New Starts funds but would be a strong candidate for other federal sources including the Rebuilding American Infrastructure with Sustainability and Equity (RAISE) discretionary grants program. The Justice40 Initiative launched by the Biden Administration aims to deliver 40 percent of the overall benefits of federal investments in climate and sustainable transportation to disadvantaged communities such as the Bayview. The state has made similar commitments to set aside substantial portions of future grant allocations to benefit disadvantaged communities.

As discussed on the previous page, the City is currently updating its countywide transportation plan, SFTP2050. The SFTP will support implementation of the southeast rail station projects, along with a new expenditure plan for the existing transportation sales tax. Local transportation funding sources are critical for local match for funds from regional, state, and federal sources like the federal Infrastructure Investment and Jobs Act (IIJA) that passed in 2021.

FUTURE PROJECT DELIVERY ACTIVITIES

Regardless of where the station is located, design challenges include active freight spur tracks, providing pedestrian access to the grade-separated platforms, and multimodal access with possible adjustments to the Muni bus network, truck routes, and active transportation corridors. As an example, Evans Avenue is proposed to accept truck traffic diverted from Third Street as part of a freight circulation plan. This diversion would need to be rethought in the event that the City moves forward with the Evans Avenue station option. The City is currently advancing the Quint Street Connector Road Project, which will restore a connectivity gap lost with the replacement of the seismically deficient Quint Street Bridge with a berm in 2016. The Connector Road Project, which is immediately west of the Oakdale Station option, is being designed to be compatible with and support a potential station. Key steps in delivering a new Bayview station include confirmation of a lead agency, detailed design and engineering, environmental review, acquiring funding, and solidified neighborhood stabilization policies.

DISPLACEMENT CONSIDERATIONS & DEVELOPMENT PIPELINE

Displacement typology maps prepared by the [Urban Displacement Project](#), a research initiative of UC Berkeley and the University of Toronto, provide an indication of gentrification status by census tract. The census tracts surrounding the Bayview station locations are designated as “Low-Income/Susceptible to Displacement”. These low or mixed low-income tracts are at the highest risk of gentrification. Anti-displacement strategies specific to the Bayview community should be developed and funded in conjunction with the station project improvements to address gentrification risks. The Community Stabilization initiative is a multi-agency San Francisco effort to mitigate the impacts of ongoing displacement. The Community Stabilization Report (May 2020) describes key priorities, potential City programs and policies, and next steps. The report sets the stage for a scoping process to determine the feasibility, level of impact, and opportunities to increase community stabilization through a combination of programs and policies.

The existing development pipeline includes a couple medium to large light industrial projects around Evans, many small residential projects clustered between Oakdale and Williams, a handful of medium non-residential projects south of Williams, and a mix of small to medium projects stretching out to Hunters Point. Hunters Point itself is one of the city’s largest pipeline projects in decades and will introduce nearly ten thousand new residential units into a mixed-use neighborhood.

EXHIBIT A