



SAN MATEO COUNTY

**Transportation
Authority**

Broadway Burlingame Grade Separation

Board of Directors
June 06, 2019
Agenda Item #13 (c)

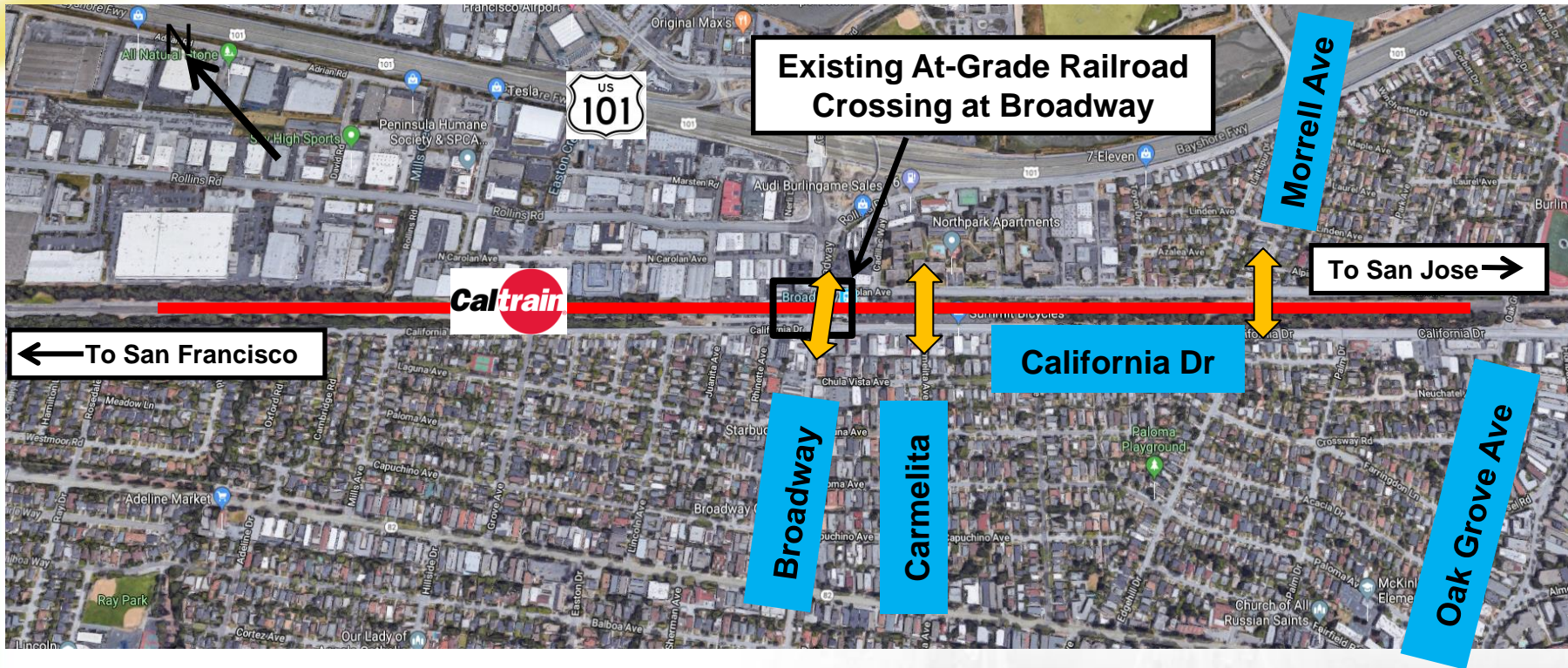


Presentation Outline

- **Project Location/Existing Conditions**
- **Project Goals and Scope**
- **Project Schedule**
- **Project Cost**
- **Proposed Funding Plan**
- **Next Steps**



Project Location



Ped/Bike Access

- Broadway & Morrell Ave. to be grade separated
- New grade separated access at Carmelita Ave.



Existing Conditions

- **92 Caltrain weekday trains use this crossing, in addition to freight**
- **28,049 average daily vehicle counts for Broadway in year 2014**
- **Lack of grade separation increases vehicular and train delays**
- **Highest ranked crossing on CPUC Grade Separation Priority List**



Project Goals

- **Enhance east-west connectivity**
- **Enhance safety for motorists, bicyclists & pedestrians**
- **Improve customer experience with new station**
- **Improve traffic flow and reduce delays**
- **Reduce automobile congestion and emissions**
- **Improve efficiency of rail operations**

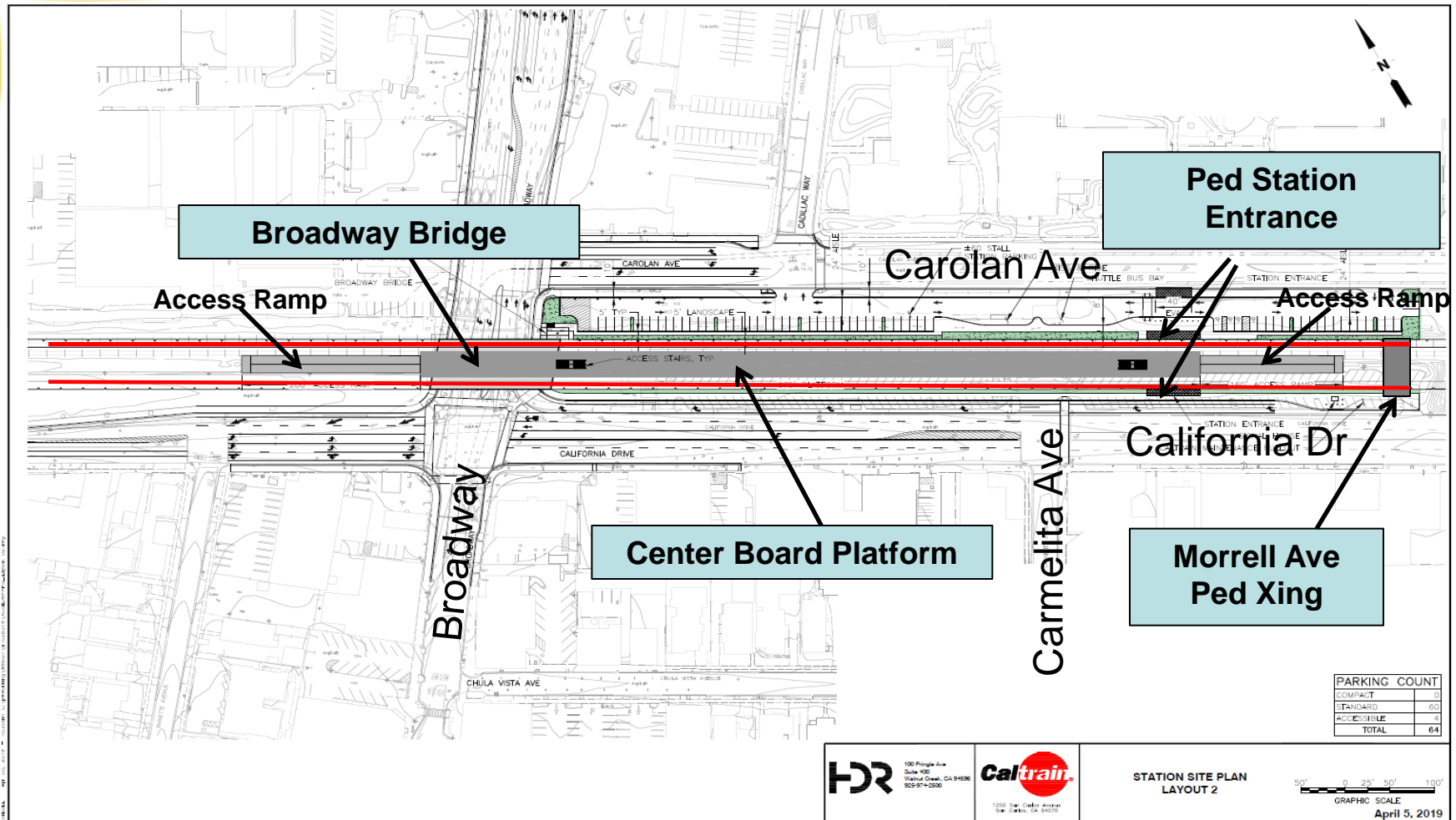


Project Scope

- **Railroad to be partially elevated and adjacent roadways (Broadway, Carolan and California) to be partially lowered**
- **New station with center board platform, ramp and stair access**
- **Station parking on east side of tracks with access to/from Carolan Ave.**
- **Two shoofly tracks east of the existing mainline**
- **Ped/Bike crossings at Broadway, Carmelita and Morrell Ave.**

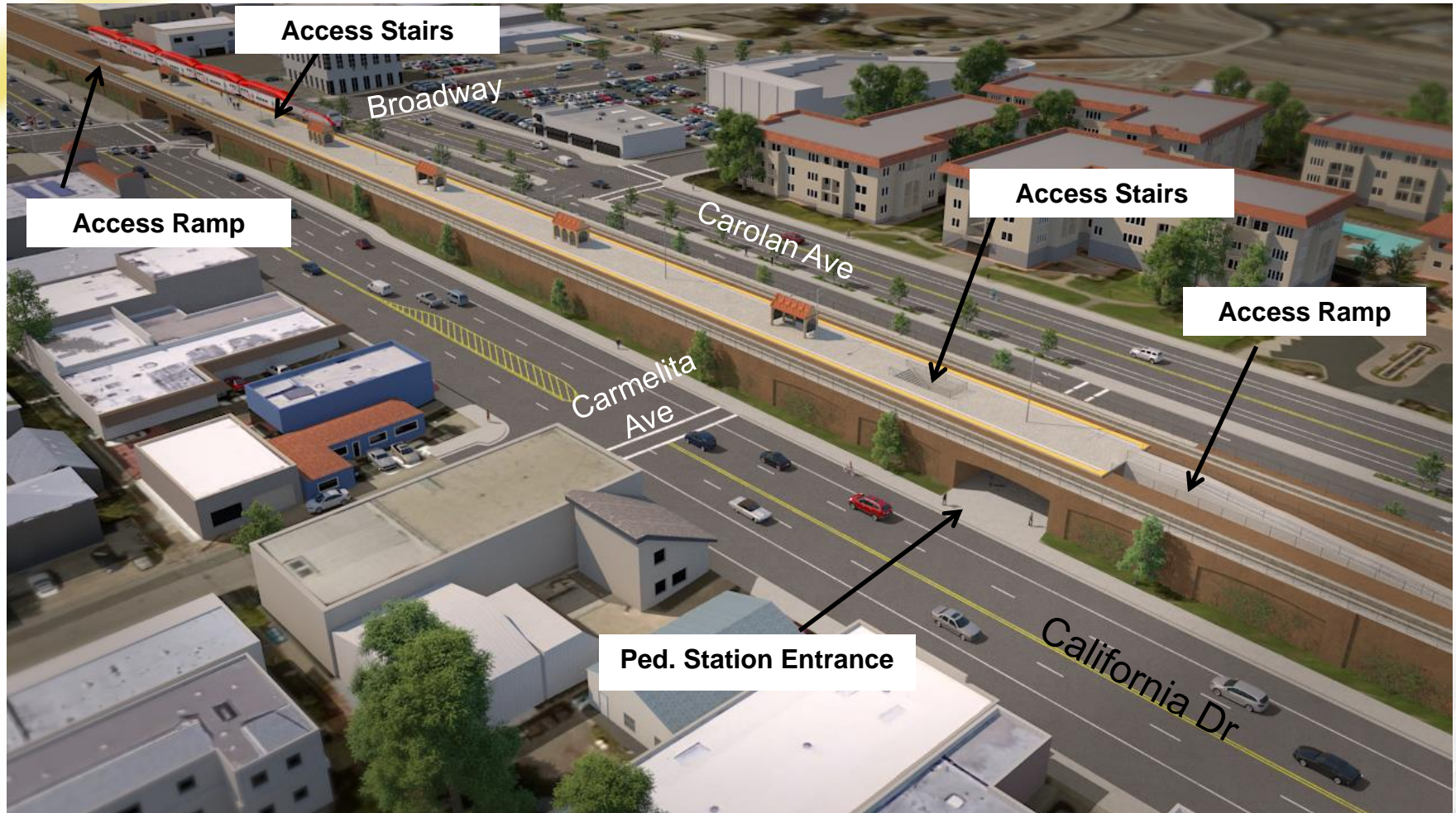


Project Overview





New Broadway Station (conceptual)



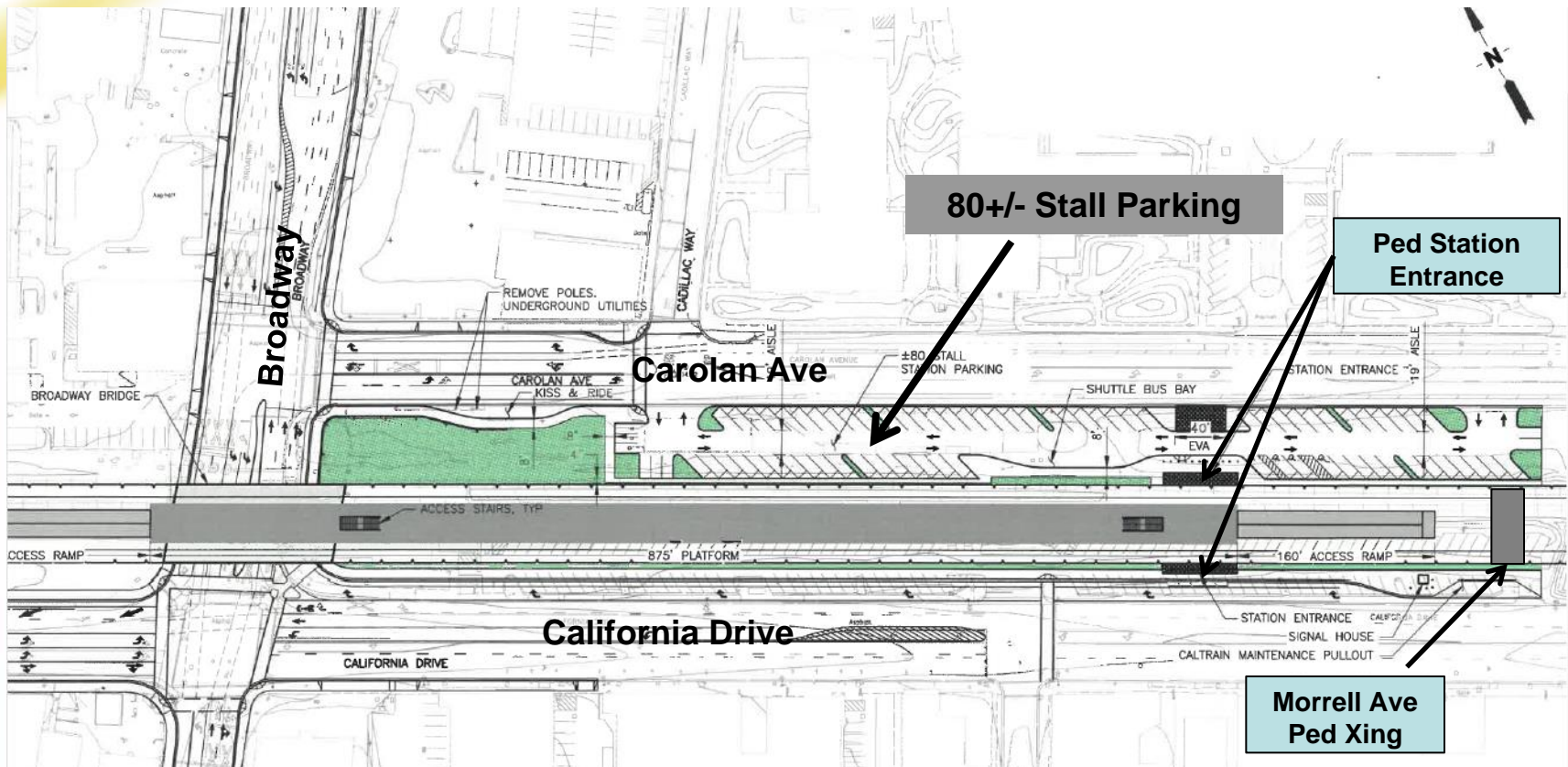


Proposed Grade Separation at Broadway (conceptual)





Parking Lot Options – Layout 1



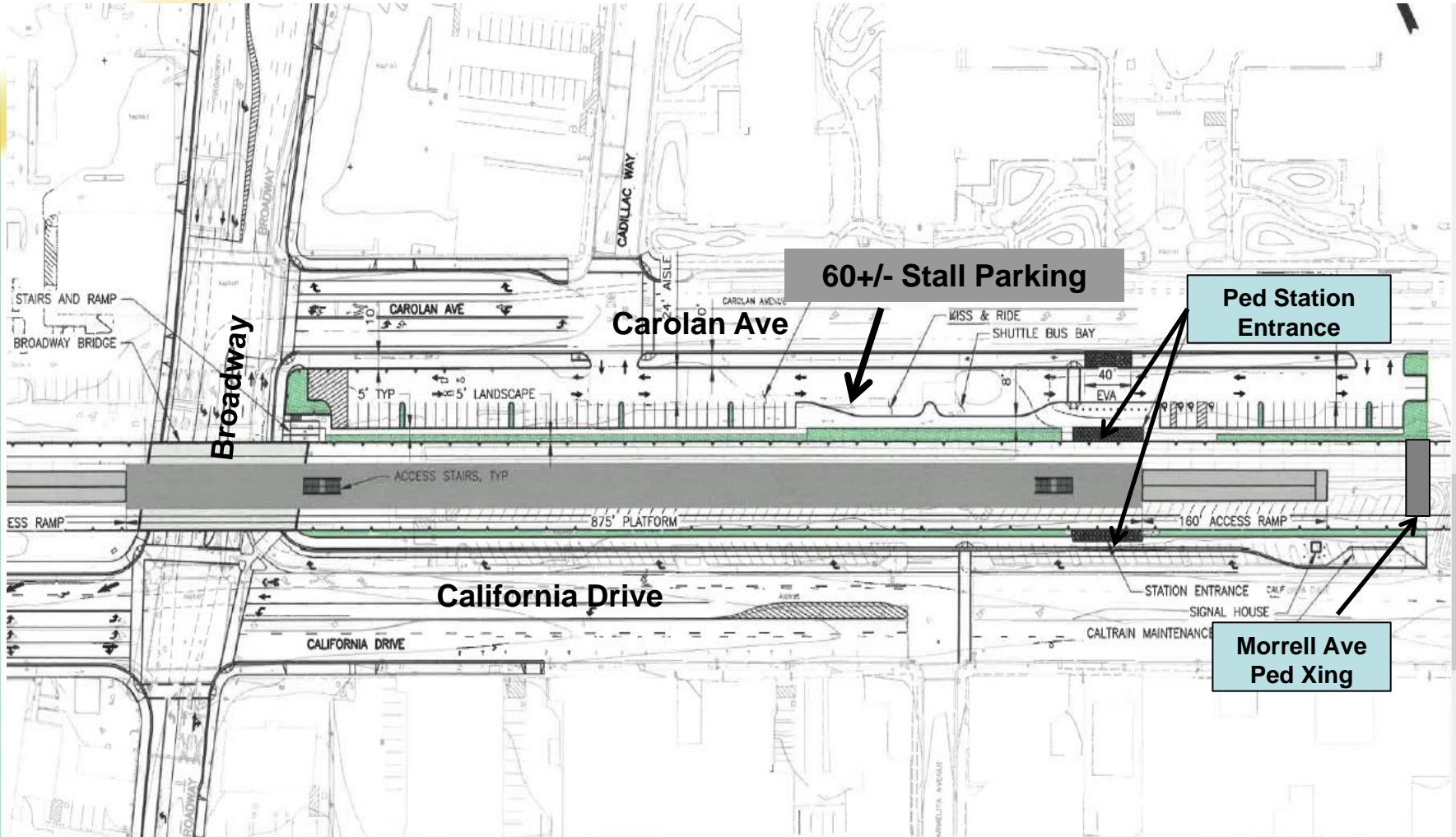


Parking Lot Layout 1 (conceptual)





Parking Lot Options – Layout 2





Parking Lot Layout 2 (conceptual)





Project Schedule

Description	Start	Finish
Project Study Report	Jan 2014	Jan 2017
Preliminary Engineering/ Environmental Review	Mar 2017	Oct 2019
Final Design*	Nov 2019	Nov 2021
Right of Way/Utilities*	Nov 2020	Nov 2022
IFB/Award*	Dec 2022	Jun 2023
Construction*	July 2023	July 2026

* Dependent on future funding allocations and coordination with other corridor projects and resources



Project Cost (in thousands)

<u>Phase</u>	<u>Current \$</u>	<u>YOE \$</u>
Project Study Report:	\$1,000	\$1,000
Prelim. Engineering:	\$4,550	\$4,550
Final Design/Env Permits:	\$19,305	\$19,838
Right of Way/Utilities:	\$23,522	\$24,000
Construction:	<u>\$230,427</u> to <u>\$277,302</u>	
	Total: \$278,804 to \$326,690	

Year of Expenditure (COE) costs for Final Design and Construction are based on the midpoint of scheduled work. Costs are Order of Magnitude based on 15% design.



Cost Variances from San Bruno and 25th Ave. Grade Separations

- **Construction after electrification**
- **Major right of way needs**
- **Relocation of utilities**
- **Shoofly track construction**
- **Wetlands, creeks and culverts**
- **Price escalation/bidding climate**
- **2025 construction mid-point**



Proposed Funding Plan (in thousands)

Phase	City of Burlingame	Measure A	Measure W	Regional (OBAG 2)	State ¹	Federal ²	Total
Project Study Report		\$1,000					\$1,000
Prelim. Engineering/Environmental	\$500	\$4,050					\$4,550
Final Design/Permits	\$1,500	\$18,338					\$19,838
Right of Way/Utilities		\$24,000					\$24,000
Construction	\$13,000	\$74,302	\$15,000	\$15,000	\$95,000	\$65,000	\$277,302
Total	\$15,000	\$121,690	\$15,000	\$15,000	\$95,000	\$65,000	\$326,690

Footnotes

- 1) Proposed State administered funding sources may include a combination of Section 130, 190, SB 1, TICRP & Cap and Trade Funds.
- 2) Proposed Federal administered funding sources may include a combination of TIGER/FASTLANE and INFRA funds.
- 3) Listed funding sources for the final design/permits, right of way/utilities and construction phases are proposed and do not represent actual funding commitments.



Next Steps

- **Refine station platform location, parking lot and roadway configurations**
- **Finalize the preliminary engineering and environmental clearance phase**
- **Obtain funding for final design**
- **Advertise and award final design contract**
- **Value engineering**



Questions ?