



State Route 92/ El Camino Real Interchange Landscaping

January 19, 2021

City Council Study Session

City of San Mateo, Public Works

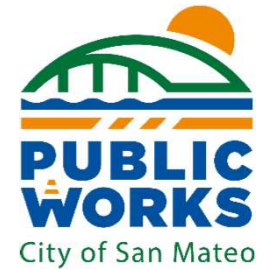
Cathi Zammit, Engineering Manager

Gates + Associates

Chuck Gardella, Landscape Architect

AGENDA

- Project Location and History
- Public Outreach
- Design Criteria and Constraints
- Public Survey Responses
- Proposed Design Concept
- Project Schedule and Next Steps
- Commission and Public Input



PROJECT LOCATION



PUBLIC OUTREACH

www.cityofsanmateo.org/8292Landscape

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Government Community Business Services I Want to

Search San Mateo

25th Avenue Grade Separation Project

82/92 Interchange Landscaping

Bike Boulevard

Downtown Garage Renovation

Fire Station 25

Flood Zone Improvements

High Speed Rail

Hillsdale Pedestrian/Bicyclist Bridge

N. San Mateo Drive

Pavement Rehabilitation

Peninsula Interchange Project

SM 101 Express Lanes Project

Smooth Streets 2020

Train Horn Noise

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82/92 Interchange Landscaping

Projected for 2022, we are partnered with Caltrans to complete the State Route 82/92 Interchange Project with the final step: landscaping, including portions of the partial cloverleaf ramps. We are also proposing landscaping along the sound wall in the northeast portion of the cloverleaf, the section that faces the Hayward Park neighborhood.

In 2018, the project team completed the pavement improvement work on the cloverleaf and City streets.

Our hope is to create an attractive interchange that meets Caltrans safety requirements while limiting the resources needed to maintain it.

Public Feedback

From Sept. 15 – Oct. 15, 2020, we conducted an online survey asking respondents to select their preferences for various aspects within the limitations of the project.

In all, 173 respondents completed the survey. Almost 42 percent of the respondents saw the interchange a few times a week, while 40 percent saw the interchange every day. Of the neighborhoods closest to the interchange, Hillsdale area residents were the most responsive to the survey.

The respondents showed a clear preference for colorful flowering plants (68 percent) over simple greenery (32 percent). They liked Coast Live Oak, pictured left, for street trees (49 percent) and Eastern Redbud, pictured right, as accent trees (57 percent), over all other tree options.

The respondents also weighed in, in the open comment section, about the importance of native trees that required little maintenance and low water needs.

With regards to the sound wall facing Hayward Park, respondents were told that Caltrans maintains the sides of sound walls facing the highway.



SR 82/92 INTERCHANGE LANDSCAPE SURVEY

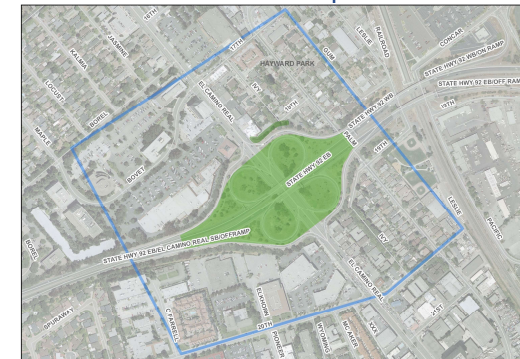
Thank you all respondents who recently participated in the City of San Mateo's online survey. Your input will help project planners prioritize available landscaping options for this final stage of the State Route 82/92 Interchange Improvement Project.

It's not too late to have your say.

The improvement project is on the agenda of the next **Sustainability & Infrastructure Commission meeting on Dec. 9, 2020.**

Public comment is welcomed.

Find out more at:
www.cityofsanmateo.org/8292Landscape



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DESIGN CONSTRAINTS AND CRITERIA



- Minimal resources + budget to maintain landscape.
- Caltrans standards for sightlines + visibility.
- Caltrans standards for plant species, irrigation, maintenance.

California
Native +
Drought
Tolerant

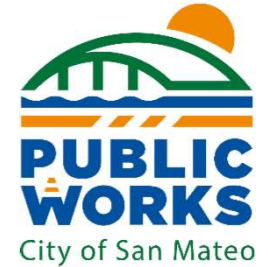
Low
Maintenance,
Fire Resistant
Plant Layout

Provide
Habitat +
Storm Water
Treatment

Discourage
Trespass +
Graffiti

Maintain
Visibility for
Drivers

PUBLIC SURVEY RESPONSES



California
Native +
Drought
Tolerant



Site Visibility,
Low Profile
Plants @
On Ramps



Minimal
Planting Design,
Avoid Hazards
+ Trespassing

Budget for
Maintenance,
Weeding,
Trash/Leaves
Removal



PROPOSED TREES



Screen Tree



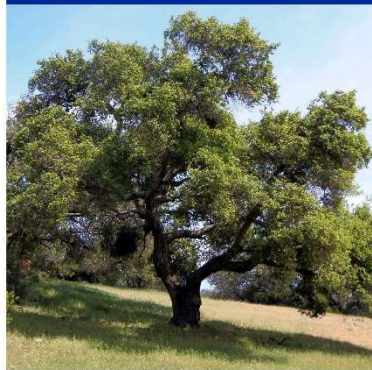
**California
Incense Cedar**

Accent Tree



**Western
Redbud**

Interchange Trees



Coast Live Oak



Valley Oak

Street Tree



**'Bloodgood' London
Plane Tree**

LARGE SPECIMEN SHRUBS



**Dr. Hurd
Manzanita**



**Joyce Coulter
Ceanothus**



Smoke Bush



Toyon



GRASSES & PERENNIALS



**Magenta
Rockrose**



**California
Fuchsia**



**Canary Island
Sage**



Deer Grass

EVERGREEN GROUNDCOVERS



**Emerald Carpet
Manzanita**



**Dwarf
Coyote Brush**



**Yankee Point
Ceanothus**

PLANT PALETTE

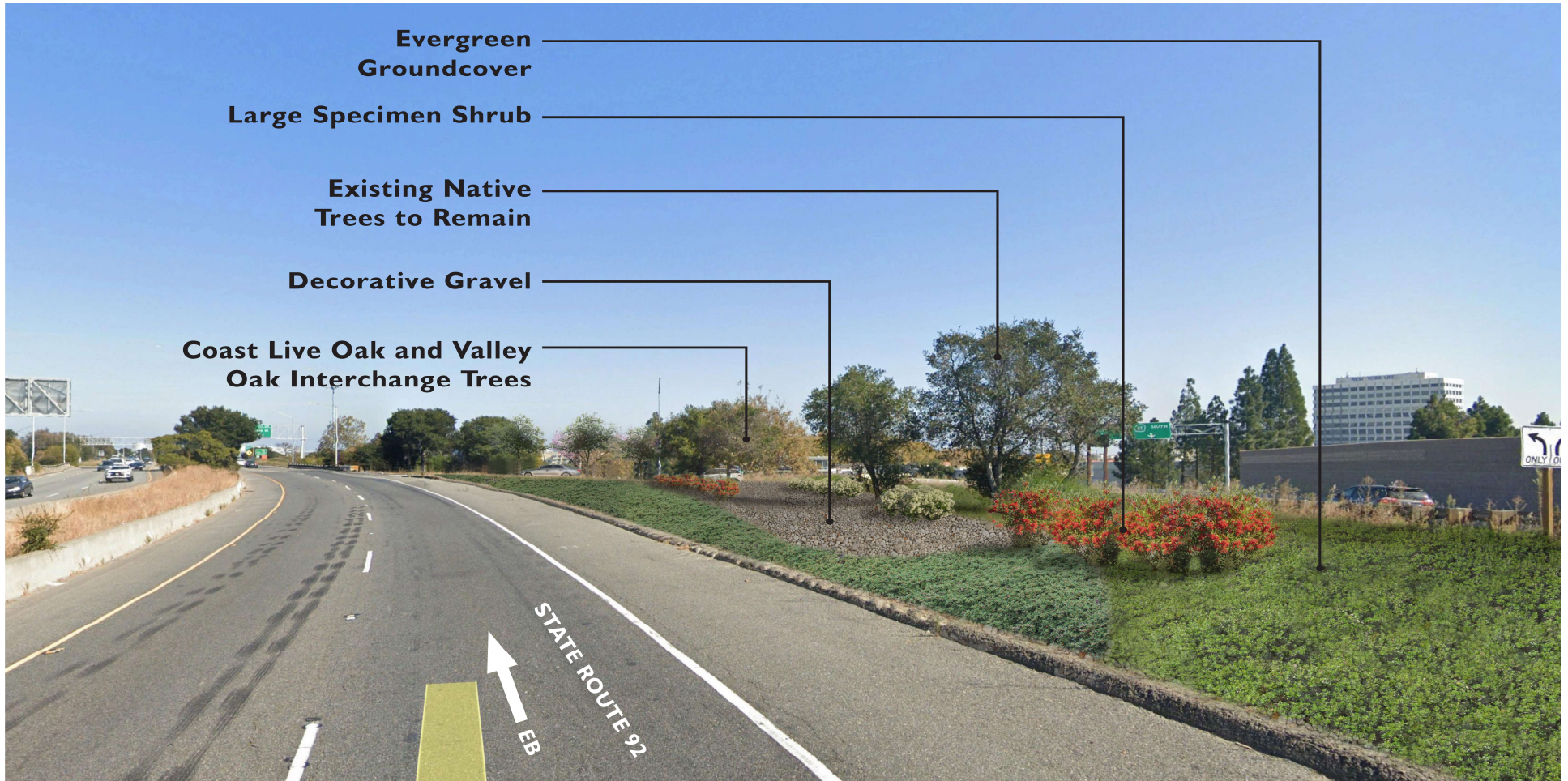
———— CITY OF **SAN MATEO** ————



-  **Coast Live Oak + Valley Oak Trees**
-  **Western Redbud Tree**
-  **Bloodgood London Plane Tree**
-  **California Incense Cedar Tree**
-  **Existing Trees to Remain**
-  **Large Specimen Shrubs**
-  **Evergreen groundcovers**
-  **Grasses + Perennials**
-  **Decorative Cobble**
-  **Existing Swale to Remain**

PROPOSED CONCEPT

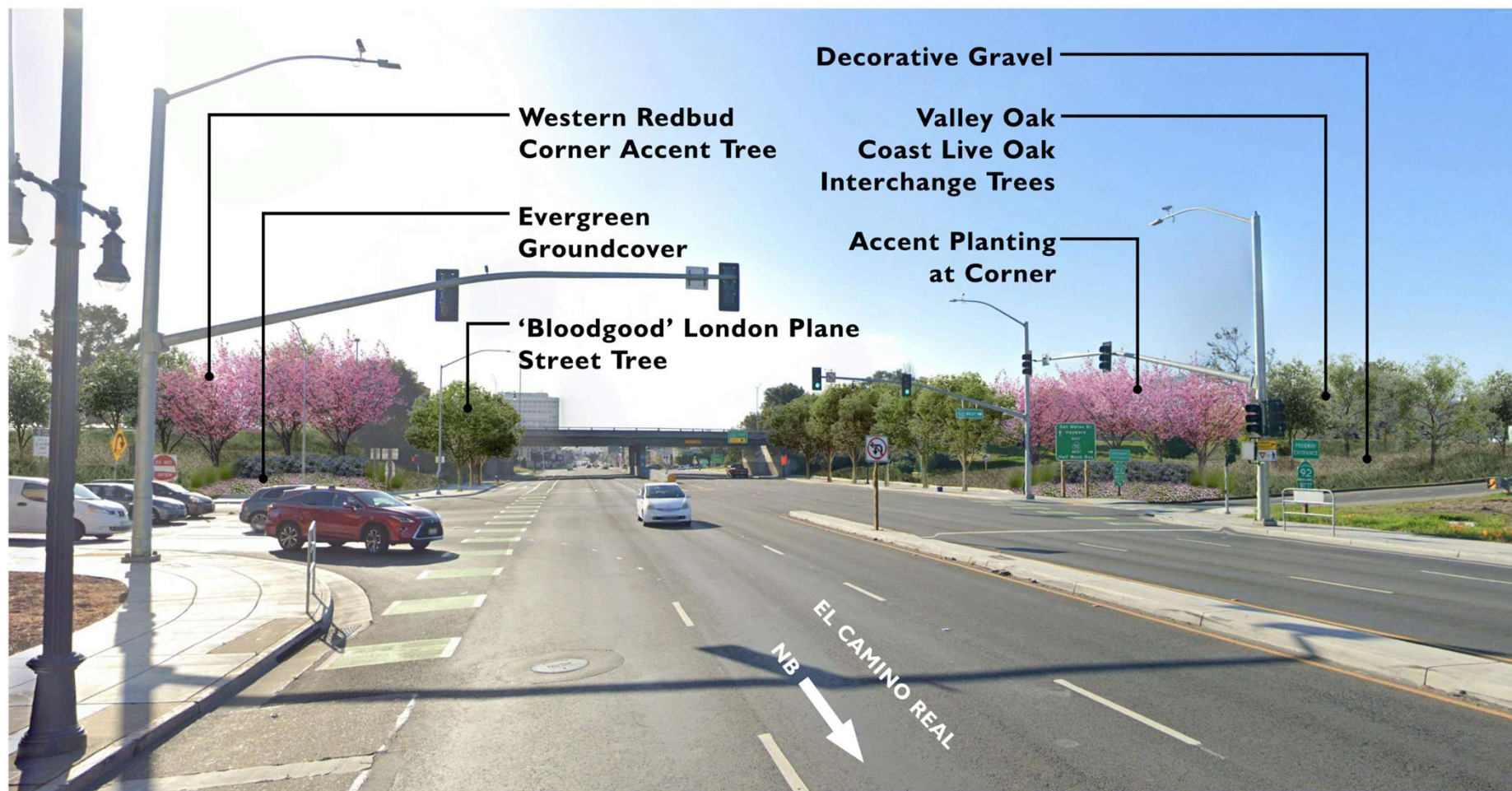
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PERSPECTIVE A

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EB STATE ROUTE 92



PERSPECTIVE B

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EL CAMINO REAL

SOUNDWALL – EXISTING CONDITIONS



SURVEY RESPONSE





Creeping Fig
California Incense Cedar
Existing Trees to Remain

18TH AVE

PERSPECTIVE C

CITY OF SAN MATEO

HAYWARD PARK SOUND WALL

Next Steps



Input and Questions



-  Coast Live Oak
-  Valley Oak
-  Western Redbud
-  Bloodgood London Plane Tree
-  California Incense Cedar Tree
-  Existing Tree to Remain
-  Large Specimen Shrubs
-  Evergreen groundcovers
-  Grasses + Perennials
-  Decorative Cobble
-  Existing Swale to Remain



Thank You!

CATHI ZAMMIT

ENGINEERING MANAGER

czammit@cityofsanmateo.org

650-522-7306

www.cityofsanmateo.org/publicworks

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