

101/280 Express Lanes and Bus Project

NB I-280 Transit/Carpool Lane



San Francisco
County Transportation
Authority

Community Advisory Committee — Agenda Item 13
January 24, 2024

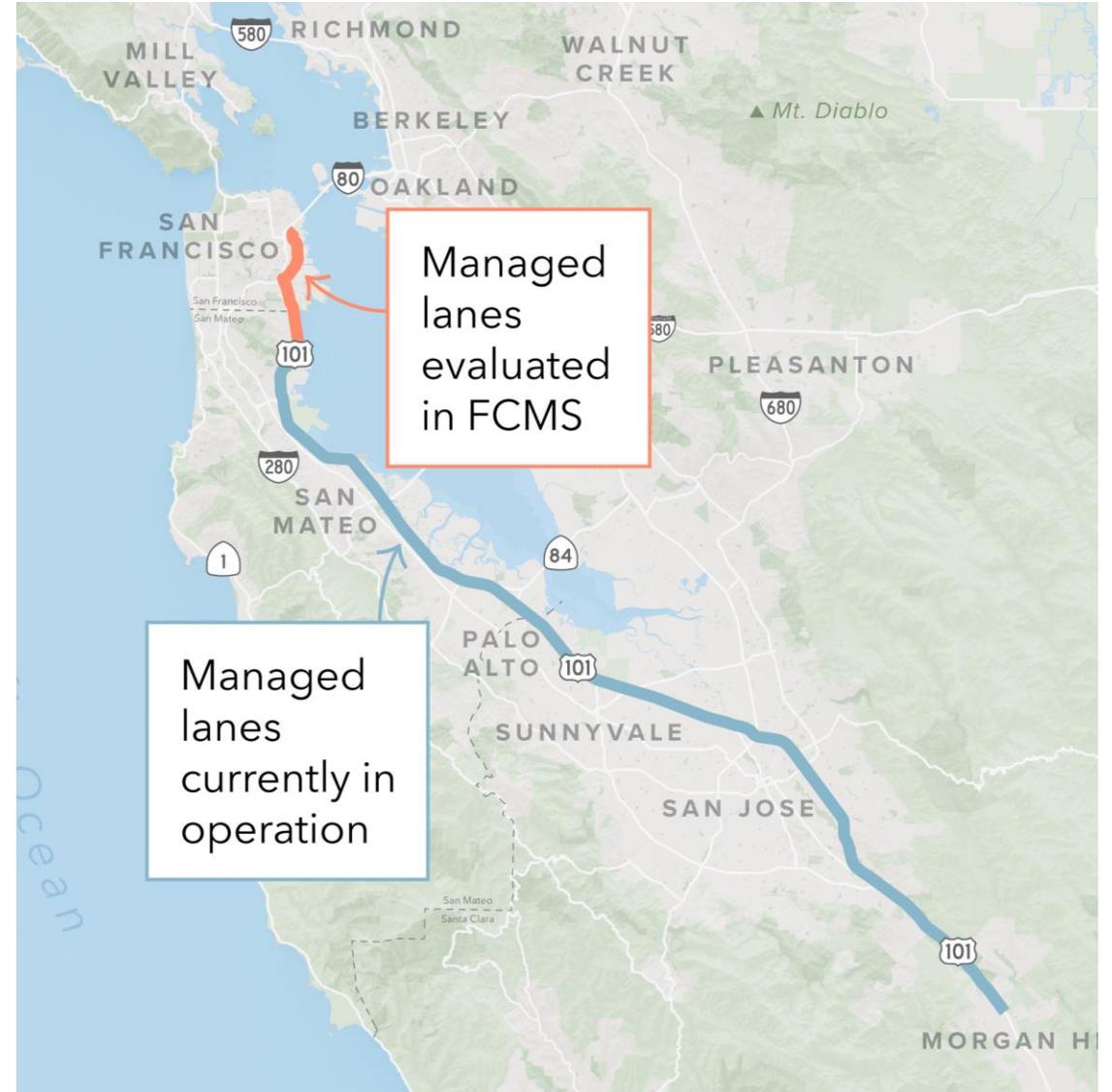
Agenda

- 1. Project Overview**
- 2. Conceptual Design Options**
- 3. Key Study Questions**
- 4. Project Schedule**
- 5. Next Steps**

Project Background

Freeway Corridor Management Study (FCMS) for US 101/I-280 (Completed 2018)

- Established managed lane goals:
 - Move people efficiently
 - Increase trip reliability
 - Enhance travel choices
 - Reduce emissions
 - Support community well-being
 - Contribute to a regional network
- Studied the implementation of managed lanes to address congestion travel to, from, and through the city



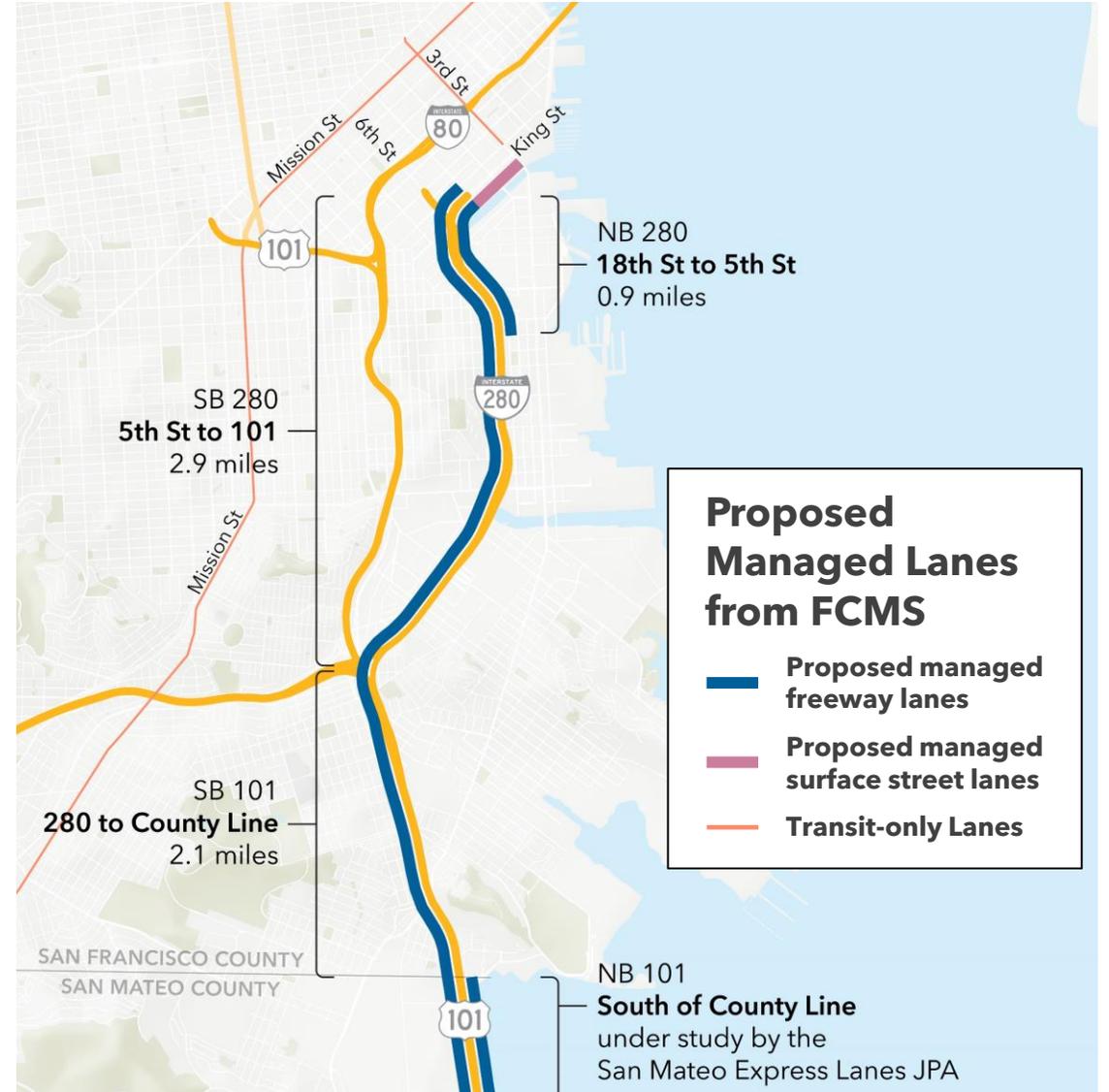
Project Background

NB I-280 Transit/Carpool Lane Project (Environmental Review)

- First freeway High-Occupancy Vehicle (HOV) project in San Francisco
- Finalize design concept from Freeway Corridor Management Study
- Establish a buildable project for construction

SB US 101/I-280 Express Lanes and Bus Project (Planning)

- Refine design alternatives
- Public and stakeholder engagement
- Prepare project for environmental review



Project Purpose

Provide an option for carpooling and transit to bypass congestion at northern terminus of I-280

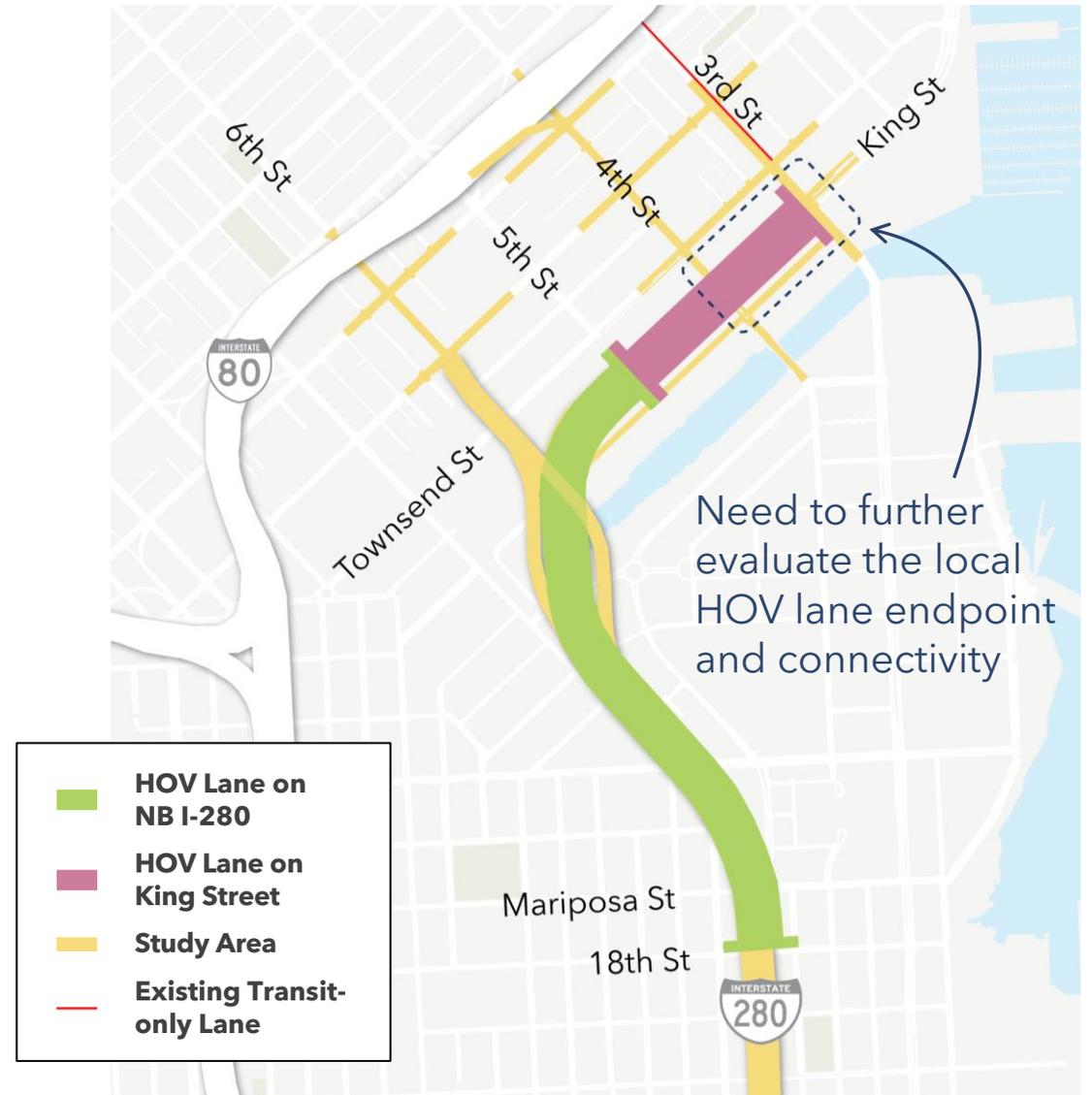
Goals:

- Increase person throughput (number of people traveling)
- Promote equitable carpooling and transit use
- Enhance carpool and transit travel time and reliability
- Limit impact on General Purpose (GP) lanes and traffic diversions to local streets
- Extend regional transit and High-Occupancy Vehicle (HOV) benefits into San Francisco



NB I-280 HOV Lane Project Proposed Construction Area

- Northbound I-280: 18th St to 5th St Plan
 - Re-striping only; two options:
 - Convert left GP lane to HOV lane, or
 - Convert left shoulder to HOV lane
 - No right of way acquisition
- King Street: 5th to 3rd Streets Plan
 - Re-striping only
 - Convert left GP lane to HOV lane
 - Further evaluation of HOV endpoint and transit connectivity to 3rd Street transit-only lane
- Total Distance - up to ~1.3 miles



Conceptual Design Options: Before 6th St Off-Ramp

Existing



Option 1 - Lane Conversion



Option 2 - Lane Addition



Need to further evaluate the local HOV lane endpoint and connectivity



Conceptual Design Options: King St Off-Ramp & King St

Existing



Option 1 - Lane Conversion



Option 2 - Lane Addition



Need to further evaluate the local HOV lane endpoint and connectivity

King St Existing



King St Option - Lane Conversion

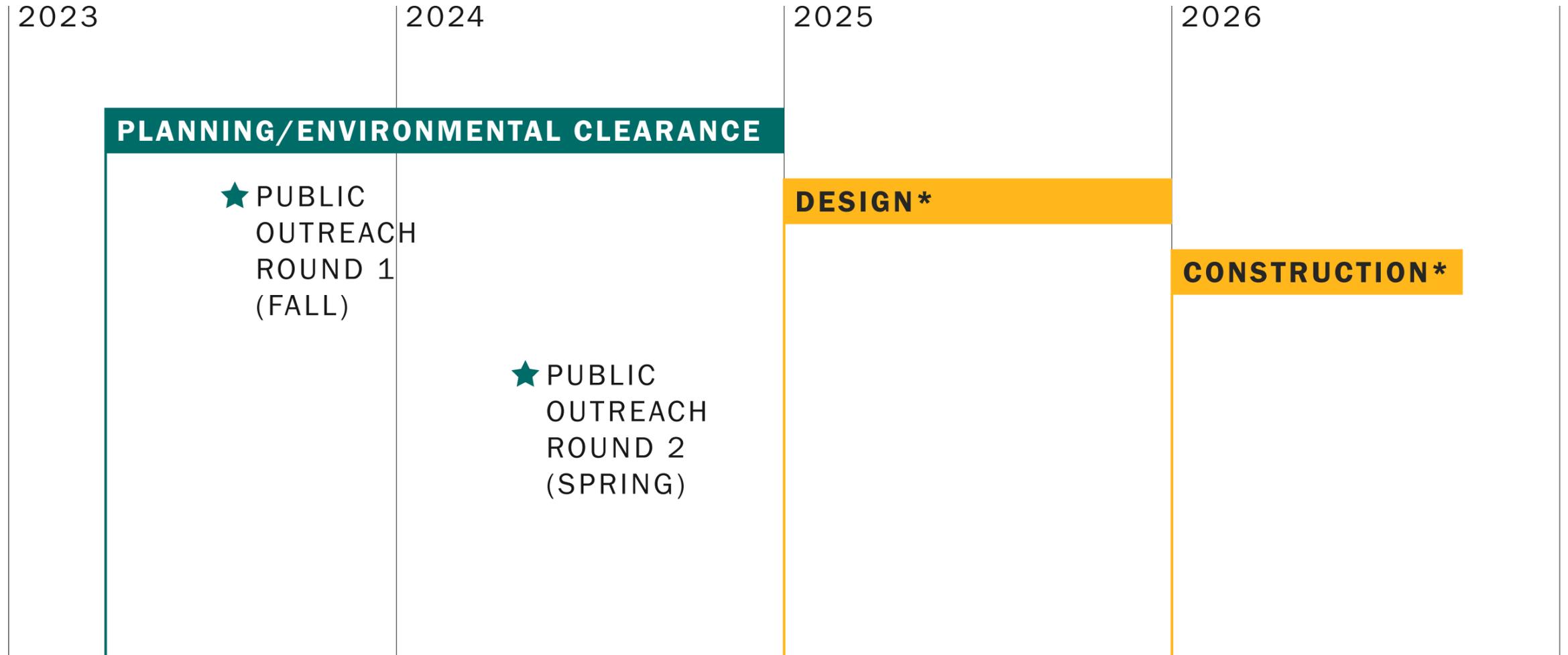


Key Study Questions

We are going to study:

- Potential Transit Services
- Traffic Analysis
 - Person Throughput (number of people traveling)
 - Transit and Auto Travel Time
 - Congestion Impact
 - Safety Assessment
- Roadway Striping Plan
- Environmental Impact and Mitigation

Project 1 (NB 280) Project Schedule



Next Steps

- Concept Refinement and Technical Analysis
- Technical Advisory Group Coordination
- 2nd Round of Public Outreach in Spring 2024

Q&A

<https://www.sfcta.org/freeways>



San Francisco
County Transportation
Authority



[sfcta.org/stay-connected](https://www.sfcta.org/stay-connected)

Thank you.

Jielin Pan, Ph.D., P.E.

Senior Engineer

jielin.pan@sfcta.org

415-522-4815 Office



San Francisco
County Transportation
Authority

     sfcta.org/stay-connected