Request for Proposals for Engineering and Environmental Services for the US 101/I-280 Express Lanes and Bus Project

Pre-Proposal Conference

San Francisco County Transportation Authority
What we will cover today

Agenda:

1. Project Background
2. Scope of Work
3. RFP Information
4. Q&A Session
5. Networking
Project Background
US 101 and I-280 Express Lanes

- Regional network improving travel time reliability between SF and San Jose
- Near-term, low cost option providing gap closure
- Pathway for regional Express Bus Routes under development within San Francisco and the greater peninsula

www.sfcta.org/freeways
# Feasibility Study Results

<table>
<thead>
<tr>
<th>GOAL</th>
<th>KEY METRICS</th>
<th>HOV2+</th>
<th>HOV3+</th>
<th>3+EXPRESS LANE (HOT3+)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move People Efficiently</td>
<td>Person Throughput</td>
<td>⬤</td>
<td></td>
<td>+</td>
</tr>
<tr>
<td>Increase Trip Reliability</td>
<td>Travel Time &amp; Variability</td>
<td>⬤</td>
<td>⬤</td>
<td>+</td>
</tr>
<tr>
<td>Enhance Travel Choices</td>
<td>Availability and Attractiveness of Non-SOV Options</td>
<td>⬤</td>
<td>⬤</td>
<td>+</td>
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<tr>
<td>Contribute to a Regional Network</td>
<td>Regional Connections &amp; Policy Alignment</td>
<td></td>
<td>⬤</td>
<td>+</td>
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<tr>
<td>Reduce Emissions</td>
<td>Critical Pollutants &amp; PM</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Support Community Well-Being</td>
<td>Diversions &amp; Community Investment</td>
<td>⬤</td>
<td></td>
<td>+</td>
</tr>
</tbody>
</table>

- **WORSE THAN NO-BUILD**
- **SAME AS NO-BUILD**
- **BETTER THAN NO-BUILD**
Sample Configuration with Key Metrics

**SOUTHBOUND**

**PERSON THROUGHPUT UNDER HOT3+**
7 - 9 AM

+2%
I-280 SOUTHBOUND

+11%
US-101 SOUTHBOUND

**SOUTHBOUND TRAVEL TIME UNDER HOT3+**
6 MINUTES FASTER

**NORTHBOUND**

**PERSON THROUGHPUT UNDER HOT3+**
7 - 9 AM

+24%
I-280 NORTHBOUND

+7%
US-101 NORTHBOUND

**NORTHBOUND TRAVEL TIME UNDER HOT3+**
7 MINUTES FASTER
Two Alternatives
1. Continuous Lane in both directions
2. Continuous Lane in Southbound direction only

Three Variations
1. General Purpose Lane conversion
2. Shoulder conversion
3. Facility widening
**Alternative 1A**

**Northbound Managed Lane**
- Widen to add ML from south I-380 to Bayshore Blvd OC
- Add collector-distributor ramp to transition traffic to NB I-280
- Convert shoulder to add ML from Cesar-Chavez off-ramp to I-280 terminus at 5th / King St

**Southbound Managed Lane**
- Convert shoulder to add ML from 6th St. on-ramp to SB US 101 merge
- Widen to add ML from I-280 merge to south I-380

**SM US 101 Auxiliary Lanes**
- Oyster Point to SF County Line

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**Continuous Managed Lane in Southbound Direction Only**
**Alternative 1B**

**Northbound Managed Lane**
- Widen to add ML from south I-380 to Bayshore Blvd OC
- Add elevated viaduct ramp between US 101 and I-280
- Convert shoulder to add ML from Cesar-Chavez to I-280 terminus at 5th / King St

**Southbound Managed Lane**
- Convert shoulder to add ML from 6th St. on-ramp to SB US 101 merge
- Widen to add ML from I-280 merge to south I-380

**SM US 101 Auxiliary Lanes**
- Oyster Point to SF County Line

**Legend**
- Lane Addition
- Elevated Viaduct

**Continuous Managed Lane in Both Directions**
Alternative 1C

Northbound Managed Lane
- Widen to add ML from south I-380 to Bayshore Blvd OC
- Add elevated viaduct reversible lane between US 101 and I-280
- Convert shoulder to add ML from Cesar-Chavez to I-280 terminus at 5th / King St

Southbound Managed Lane
- Convert shoulder to add ML from 6th St. on-ramp to SB US 101 merge
- Widen to add ML from I-280 merge to south I-380

SM US 101 Auxiliary Lanes
- Oyster Point to SF County Line

**Continuous Managed Lane in Peak Direction Only**
Alternative 2A

Northbound Managed Lane
- Convert lane to add ML from south I-380 to Bayshore Blvd OC
- Maintain existing lanes between US 101 and I-280
- Convert lane to add ML from Cesar-Chavez off-ramp to I-280 terminus at 5th / King St

Southbound Managed Lane
- Convert lane to add ML from 6th St. on-ramp to SB US 101 merge
- Convert lane to add ML from I-280 merge to south I-380

SM US 101 Auxiliary Lanes
- Oyster Point to SF County Line

Continuous Managed Lane in Southbound Direction Only
**Alternative 2B**

**Northbound Managed Lane**
- Convert lane to add ML from south I-380 to Bayshore Blvd OC
- Add elevated viaduct ramp between US 101 and I-280
- Convert lane to add ML from Cesar-Chavez off-ramp to I-280 terminus at 5th / King St

**Southbound Managed Lane**
- Convert lane to add ML from 6th St. on-ramp to SB US 101 connector
- Convert shoulder to add ML on SB US 101 connector
- Convert lane to add ML from I-280 merge to south I-380

**SM US 101 Auxiliary Lanes**
- Oyster Point to SF County Line

**Legend**
- Lane Conversion
- Elevated Viaduct
Alternative 2C

Northbound Managed Lane
- Convert lane to add ML from south I-380 to Bayshore Blvd OC
- Maintain existing lanes between US 101 and I-280
- Convert lane to add ML from Cesar-Chavez off-ramp to I-280 terminus at 5th / King St

Southbound Managed Lane
- Convert lane to add ML from 6th St. on-ramp to SB US 101 merge
- Convert lane to add ML from I-280 merge to south I-380

Legend
- Lane Conversion
- Existing Lanes

Continuous Managed Lane in Southbound Direction Only
Project Timeline

Feasibility Phase

Project Initiation Document

Equity Analysis

Traffic Analysis

Environmental Clearance

Traffic & Revenue

Concept of Operations

Final Design

Construction

CALTRANS PROCESS

Ongoing Outreach

Board Action Requested/Update

2015 2017 2019 2020
Project Phasing Plan

● Phase 1
  ○ Segment 6 HOV lanes
  ○ Express Bus Service

● Phase 2
  ○ HOT 3+ Facilities
  ○ HOV conversion

www.sfcta.org/freeways
### Preliminary Cost Projections

<table>
<thead>
<tr>
<th>Scope</th>
<th>Description of Work</th>
<th>Total</th>
<th>Phase 1 HOV Lanes</th>
<th>Phase 2 HOT Lanes</th>
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<tbody>
<tr>
<td><strong>Soft Costs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Environmental</td>
<td>CEQA/NEPA</td>
<td>$8</td>
<td>$4</td>
<td>$4</td>
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<tr>
<td>• Design</td>
<td>Project Delivery</td>
<td>$18</td>
<td>$7</td>
<td>$11</td>
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<tr>
<td>• Construction</td>
<td>Administration</td>
<td>$17</td>
<td>$6</td>
<td>$11</td>
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<tr>
<td><strong>Capital Costs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Construction</td>
<td>Express (HOV/HOT) lanes</td>
<td>$104</td>
<td>$34</td>
<td>$70</td>
</tr>
<tr>
<td>• Rehabilitation</td>
<td>Pavement and Structures</td>
<td>$37</td>
<td>$7</td>
<td>$30</td>
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<tr>
<td>• Transit</td>
<td>Muni Express Bus (CPX, HPX*)</td>
<td>$10</td>
<td>$10</td>
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<tr>
<td><strong>Total Cost</strong></td>
<td></td>
<td>$194</td>
<td>$68</td>
<td>$126</td>
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</tbody>
</table>

*CPX – Candlestick Point Express, HPX – Hunters Point Express*
EXISTING CONGESTION

Typical weekday peak period conditions within study area; 2016
(Recurrent congestion only)

- AM congestion
- PM congestion
- Key controlling bottlenecks related to this study

San Francisco County Transportation Authority
Task 3: Equity Study

VISION ZERO
HIGH-INJURY NETWORK

COMMUNITIES OF CONCERN

San Francisco County Transportation Authority
Task 4: Environmental Document
RFP Key Information

- **Contract term:** 2 years
- **Contract budget:** $3,000,000
  - Optional tasks for an additional $2,400,000
- **DBE Goal:** 12.8%
  - Certifications accepted from California Unified Certification Program (CUCP) only
    - [https://dot.ca.gov/programs/civil-rights/dbe-search](https://dot.ca.gov/programs/civil-rights/dbe-search)
  - Must be certified by RFP due date
RFP Scoring

**Evaluation criteria (100 points):**

- Proposer Information and Understanding of Project Objectives (15 points)
- Technical and Management Approach (50 points)
- Capabilities and Experience (35 points)
RFP Submittal Requirements

- **Proposal**: 1 electronic copy (PDF) without cost proposal
  - Limited to 15 pages
  - Page limit excludes resumes, exhibits, etc. (RFP page 10)

- **Cost proposal**: 1 electronic copy (XLS/XLSX format)
  - Must be submitted separately from proposal
  - Hourly billing rates + hours/costs by person/task (RFP page 17)

- **Exhibits** (RFP page 14)
RFP Dates

- **Feb 13**: Pre-Proposal Conference
- **Feb 14**: Questions due to info@sfcta.org
- **Feb 19**: Written responses emailed and posted online
- **Mar 4 at 2:00 pm**: Proposals due to info@sfcta.org
- **Mar 16 week**: Interviews (if necessary)
- **Mar 25**: Tentative CAC recommendation
- **Apr 14/28**: Tentative Board contract award
Questions?

- This presentation and today’s sign-in sheet will be posted on our website at [www.sfcta.org/contracting](http://www.sfcta.org/contracting)
Thank you.

Feel free to network!

San Francisco County Transportation Authority