Expanded Community Advisory Panel (XCAP) Meeting #3

08.21.19
Agenda

- Welcome and Introductions
- Community Conversations
- Debrief on Council Actions
- XCAP Homework
- Schedule and Work Plan Update
- Assessment of Traffic Analysis
- Measure B Update
- Summary of Action Items / Next Meeting
- Adjourn
Rail Blue Ribbon Committee (RBRC)
Comments on new website

Questions for the Design Charette (submit in Survey Monkey by 8/29)
Schedule

XCAP and Community Meetings:

- June 19, 2019 – XCAP Meeting #1
- CANCELED: email of action items
- July 17, 2019 – XCAP Meeting #2
- August 21, 2019 – XCAP Meeting #3
- September 5, 2019 – XCAP Meeting #4
- September 25, 2019 – XCAP Meeting #5
- September 27, 2019 - Design Charette
- October 16, 2019 – XCAP Meeting #6
- October 30, 2019 – XCAP Meeting #7
- November 7, 2019 – Citywide Community Meeting

City Council Rail Meetings

- June 24, 2019 – Council approve AECOM Contract Amendment
- August 9, 2019 – Discussion of Rail Blue Ribbon Committee
- September 9, 2019 – Discussion of Rail Blue Ribbon Committee
- April/May 2020 – City Council selection of preferred solution
### Community Engagement Schedule

<table>
<thead>
<tr>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>2020</th>
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**Expanded Community Advisory Panel Meeting**
- XCAP
- XCAP
- XCAP
- XCAP
- XCAP
- XCAP
- COM
- CC
- CC

**Finance Committee Meeting**
- FIN

**City Community Meeting**
- COM

**City Council Meeting**
- CC

**City Council Selection of Preferred Solution**
- Star

**Preferred Solution**
Work Plan – August

Meetings

City Council Meeting – August 19
• Discussion of Rail Blue Ribbon Committee

XCAP #3 – August 21
• Review compiled questions for Design Charette and feedback on website
• Present evaluation of traffic analysis
• Review Embarcadero/Alma options (no renderings)
• Provide update on Work Plan and Measure B
• Receive update on Finance Committee business tax

Engineering Study Activities

- Complete assessment of traffic data and analysis
- Begin traffic micro-simulation (unclearable queue) for existing condition
- Continue preliminary engineering of the Churchill Viaduct
- Begin preliminary engineering for South Palo Tunnel alternatives
- Refine mitigations for Churchill closure
- Continue evaluation of Embarcadero/Alma options
- Begin development of 3D visual
- Prepare presentation for City Council meeting, if needed
Meetings

**XCAP #4 – September 5**
- Present renderings for Embarcadero/Alma options
- Present Churchill Viaduct alternative and animations
- Review outline for Design Charette
- Receive update on Finance Committee business tax

Engineering Study Activities

- Continue preliminary engineering for South Palo Tunnel alternatives
- Continue evaluation of Embarcadero/Alma
- Complete traffic micro-simulation (unclearable queue) for existing condition
- Update exhibits
- Create 3D visuals
- Develop construction costs
- Provide input to evaluation matrix
- Draft Traffic Mitigations Report
Meetings

City Council Meeting – September 9
  • Discussion of Rail Blue Ribbon Committee

XCAP #5 – September 25
  • Present South Palo Alto Tunnel alternatives and animations
  • Review outline for Community meeting
  • Discuss community engagement strategies
  • Receive update on Finance Committee business tax

Design Charette – September 27
  • Intro to geometrics
  • Review alternatives
  • Breakouts by alternative for detailed Q&A
  • Feedback on preferred alternatives

Engineering Study Activities

  • Update exhibits
  • Finalize 3D visuals
  • Develop construction costs
  • Provide input to evaluation matrix
  • Draft Traffic Mitigations Report
  • Prepare Design Charette
  • Prepare City Council presentation
Meetings

XCAP #6 – October 16
- Debrief of Design Charette
- Recap of alternatives and consensus on preferred alternatives
- Review outline for Community meeting
- Receive update on Finance Committee business tax

XCAP #7 – October 30
- Review materials and exhibits for the Community meeting

Engineering Study Activities
- Prepare presentation for Community Meeting
- Finalize exhibits, 3D visuals, construction costs and evaluation matrix
- Finalize Traffic Mitigation Report
Work Plan – November

Meetings
Citywide Community Meeting – November 7
- Present evaluation of alternatives

Engineering Study Activities
- Prepare presentation for Community Meeting
- Finalize exhibits, 3D visuals, construction costs and evaluation matrix
- Finalize Traffic Mitigation Report
- Begin preparation of Project Study Report
Alternatives Still Under Consideration

Meadow / Charleston Trench
- Lower the railroad below the roadways at Meadow and Charleston

Meadow / Charleston Hybrid
- Partially lower the roads and partially elevate the tracks at Meadow and Charleston

Meadow / Charleston Viaduct
- Raise the railroad above the roadways at Meadow and Charleston on structure

South Palo Alto Tunnel – Passenger & Freight
- Tunnel south of Oregon Expressway under Meadow and Charleston

South Palo Alto Tunnel with At-Grade Freight
- Tunnel south of Oregon Expressway under Meadow and Charleston with at grade freight

Churchill Ave. Closure
- At-grade crossing to be fully closed at Churchill Ave. with a grade separation for Bike/Ped connectivity. Will also consider all street mitigation options including Embarcadero.

Churchill Ave. Vicinity Viaduct
- Raise the railroad above the roadways in the vicinity of Churchill on structure
## Traffic Counts

**Churchill Avenue - West of Alma Street**

<table>
<thead>
<tr>
<th></th>
<th>2016 (Stanford GUP)</th>
<th>Dec-18 (TIA report)</th>
<th>Jun-19 Highest Weekday Average</th>
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<tr>
<td><strong>AM Peak Hour</strong></td>
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<tr>
<td>Eastbound</td>
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<td>295</td>
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<tr>
<td>Westbound</td>
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<td>411</td>
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<td><strong>Total</strong></td>
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<td><strong>PM Peak Hour</strong></td>
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<tr>
<td>Eastbound</td>
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</tr>
<tr>
<td>Westbound</td>
<td>384</td>
<td>335</td>
<td>392</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>768</td>
<td>775</td>
<td>829</td>
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Intersections Mitigated as a Group

- #3 - Alma Street/Lincoln Avenue
- #4 - Alma Street/Embarcadero Road
- #8 - Alma Street/Kingsley Avenue

CMP Intersections

- ✔ #19 - El Camino Real/Embarcadero Road
- ✗ #24 - Oregon Expressway/Middlefield Road
- ✔ #21 - El Camino Real/Oregon Expressway-Page Mill Road

Intersections Mitigated Individually

- ✔ #22a/#22b - Alma Street/Oregon Expressway
- ✗ #15 - Embarcadero Road/Cowper Street
Intersection Impacts
Recommended Improvement for El Camino Real/Embarcadero Rd

- Install additional westbound left turn lane and northbound right turn lane
- Optimize signal timings

Existing Layout

Proposed Layout

Embarcadero Rd

Galvez St

El Camino Real
• Signalize both on/off ramps with one controller
Recommended Improvement for El Camino Real/Oregon Expressway-Page Mill Road

• Install westbound right turn lane from Oregon Expressway to El Camino Real

• Optimize signal timing
Embarcadero/Alma – Option 2 (not recommended)
Embarcadero/Alma – Option 3 with High St connection
All meeting materials will be posted onto [www.cityofpaloalto.org/connectingpaloalto](http://www.cityofpaloalto.org/connectingpaloalto)