Documents received after publication of this Agenda and considered by the Transportation Demand Management Advisory Committee in its deliberation will be available for inspection only via electronic document transfer, due to the COVID-19 outbreak. See the COVID-19 provisions outlined below. Please call or email the Transportation Division during normal business hours if you require access to any such documents.

CORONAVIRUS (COVID-19) ADVISORY AND MEETING PROCEDURE

On December 4, 2020, the Health Officer of Contra Costa County issued Order No. HO-COVID19-37 that directed that all individuals living in the county to shelter at their place of residence except that they may leave to provide or receive certain essential services or engage in certain essential activities and work for essential businesses and governmental services.

Under the Governor’s Executive Order N-29-20, this meeting may utilize teleconferencing. As a precaution to protect the health and safety of staff, officials, and the general public. Committee members will not be physically in attendance, but will be available via video conference.

There will be no physical location for members of the public to participate in the meeting. We encourage members of the public to shelter in place and access the meeting online using the web-video communication application, Zoom. Zoom participants will have the opportunity to speak during Public Comment (for topics not on the agenda), in addition to each of the agendized items.

If you are submitting public comment via email, please do so by 11:00 a.m. on Friday, February 26, 2021 to asekhon@sanramon.ca.gov. Please include “Public Comment 2/26/2021” in the subject line. In the body of the email please include your name and the item you wish to speak on. Public comments submitted will be read during Public Comment and will be subject to the regular three-minute time restriction.
This Committee meeting will be conducted on the web-video communication platform, Zoom. In order to view and/or participate in this meeting, members of the public will need to download Zoom from its website, www.zoom.com. It is recommended that anyone wishing to participate in the meeting complete the download process before the start of the meeting.

There will be zero tolerance for any person addressing the Committee making profane, offensive and disruptive remarks, or engaging in loud, boisterous, or other disorderly conduct, that disrupts the orderly conduct of the public meeting.

HOW TO VIEW THE MEETING REMOTELY:
1. Livestream online at: https://cityofsanramon.zoom.us/j/96491144224
   **Webinar ID:** 964 9114 4224
2. For audio access to the meeting by telephone, use the dial-in information below:
   +1 (669) 900-6833
   **Webinar ID:** 964 9114 4224

HOW TO PARTICIPATE IN THE MEETING REMOTELY:
1. Provide live remote public comments: https://cityofsanramon.zoom.us/j/96491144224
   From a PC, Mac, iPad, iPhone or Android device.
   **Webinar ID:** 964 9114 4224
   (To supplement a PC, Mac, tablet or device without audio, please also join by phone:
   +1 (669) 900-6833)
   To comment by video conference, click the “Raise Your Hand” button or *9 on your telephone to request to speak when Public Comment is being taken on the Agenda item. You will then be unmuted when it is your turn to make your comment for up to three minutes. After the allotted time, you will then be re-muted.
2. Provide public written comments prior to meeting by email, to asekhon@sanramon.ca.gov.
   If you are submitting public comment via email, please do so by 11:00 a.m. on Friday, February, 26, 2021 to asekhon@sanramon.ca.gov. Please include “Public Comment 2/26/2021” in the subject line. In the body of the email please include your name and the item you wish to speak on. Public comments submitted will be read during Public Comment and will be subject to the regular three-minute time restriction.
1. **CALL TO ORDER/ROLL CALL**

2. **PUBLIC COMMENT**

   Public Comment at Special Meetings is limited to the item described in the notice. [Cal. Gov. Code Section 54954.3(a)]. Comments should not exceed three minutes.

3. **NEW BUSINESS**

   3.1 San Ramon Employer Transportation Webinar:
   
      a. Bay Area and Contra Costa County I-680 Express Lane Project
         Presentation by: Barbara Laurenson, Senior Program Coordinator, Metropolitan Transportation Commission

      b. Contra Costa Transportation Authority – Innovate 680 Project
         Presentation by: Linsey Willis, Director, External Affairs, Contra Costa Transportation Authority

      c. County Connection Transit - post COVID Safety Protocols and I-680 Transit Study
         Presentation by: Melody Reesb, Manager of Planning, County Connection

      d. City of San Ramon – Transportation Projects and Programs
         Presentation by: Brian Bornstein, City Engineer and Lisa Bobadilla, Transportation Division Manager

4. **ADJOURNMENT**

   I hereby certify the attached Transportation Demand Management Advisory Committee agenda was posted 72 hours before the noted meeting.

   [Signature]
   
   Christina Franco, City Clerk

   Dated: February 12, 2021
City of San Ramon Welcome Presentation
Transportation Demand Management
Special Meeting
February 26, 2021

Transportation Projects/Program Updates
1. **Speaker and TDM Committee Member Introductions – 12:00p.m.**
   By: TDM Committee Chair, Chris Weeks

2. **Welcome – 12:05p.m.**
   By: San Ramon Mayor David Hudson

3. **Presentations:**
   - **Bay Area and Contra Costa County I-680 Express Lane Project – 12:10p.m. – 12:25p.m.**
     Presentation by: Barbara Laurenson, Senior Program Coordinator, Metropolitan Transportation Commission
   - **Contra Costa Transportation Authority – Innovate 680 Project – 12:25p.m. – 12:40p.m.**
     Presentation by: Linsey Willis, Director, External Affairs, Contra Costa Transportation Authority
   - **County Connection Transit - post COVID Safety Protocols & I-680 Transit Study – 12:40p.m. – 12:50 p.m.**
     Presentation by: Bill Churchill and Melody Reebs, County Connection
   - **City of San Ramon – Transportation Projects and Programs – 12:50p.m. – 1:00p.m.**
     Presentation by: Brian Bornstein, City Engineer and Lisa Bobadilla, Transportation Division Manager
TDM Advisory Committee Members

• Patricia Hennigan
• Andrew Nice
• Bryan Weathers
• Chris Weeks, Chair
• Jackie Texeira, Alternate

There is currently a vacancy on the Committee, if interested in the position visit: https://www.sanramon.ca.gov/our_city/boards_committees_commissions
Contact Information

• Linsey Willis  
lwillis@ccta.net

• Barbara Laurenson  
blaurenson@bayareametro.gov

• Melody Reebs  
reebs@cccta.org

• Bill Churchill  
churchill@cccta.org

• Lisa Bobadilla  
lbobadilla@sanramon.ca.gov

• Brian Bornstein  
bbornstein@sanramon.ca.gov

• Darlene Amaral  
damaral@sanramon.ca.gov
Transportation Demand Management Advisory Committee meeting is scheduled for March 15, 2021 at 11:30 a.m.
METROPOLITAN
TRANSPORTATION
COMMISSION PRESENTATION
City of San Ramon TDM Advisory Committee
February 26, 2021
Open Lanes

LANE OPERATORS
• A: I-680 Sunol, Alameda CTC/JPA
• B: SR-237, VTA
• C: I-580, Alameda CTC
• D: I-680 Contra Costa, BAIFA
• E: I-880, BAIFA
• F: SR-101, VTA and SMCELJPA
Plan Bay Area 2050 Network

Express Lane Capital Cost = $3.7B

Express Lane Network Legend
- Open/Under Construction
- Future Projects: HOV Conversion
- Future Projects: OP Conversion/New Construction
- Direct Connector

Scale: 0 3.75 7.5 15 Miles
Express Lane Goals

- Increase Person Throughput
- Reliability
- Choice
- Utilize Capacity
- Reduce Traffic
- Revenue Generation
I-680 Contra Costa Express Lane Trips
Peak Hour Average Corridor Speeds

Northbound P.M. Peak Hour (5 - 6pm) - Corridor

Southbound A.M. Peak Hour (8 - 9am) - Corridor

PM Peak (5 p.m. - 6 p.m.)

<table>
<thead>
<tr>
<th></th>
<th>2019</th>
<th>2020</th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>NB Livorna</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>October</td>
<td>1,349</td>
<td>1,172</td>
<td>1,208</td>
<td>1,201</td>
</tr>
<tr>
<td>November</td>
<td>1,365</td>
<td>1,202</td>
<td>1,200</td>
<td>1,190</td>
</tr>
<tr>
<td>December</td>
<td>1,208</td>
<td>1,202</td>
<td>1,200</td>
<td>1,200</td>
</tr>
</tbody>
</table>

Speeds are averaged over the distance of the express lane. Peak hours are defined as the hours with lowest average corridor speeds across all lanes.
## Cross-Lane Comparison/Pandemic Effects

<table>
<thead>
<tr>
<th></th>
<th>I-580</th>
<th>I-680 Contra Costa</th>
<th>I-880</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lane Miles</td>
<td>29</td>
<td>23</td>
<td>45</td>
</tr>
<tr>
<td>Quarterly Trips</td>
<td>1.64 million (Q3 CY2020)</td>
<td>1.3 million (Q4 CY2020)</td>
<td>2.75 million (Q4 CY2020)</td>
</tr>
<tr>
<td>Average Daily Trips</td>
<td>25,600</td>
<td>20,000</td>
<td>48,000</td>
</tr>
<tr>
<td>Year-over-Year Decline</td>
<td>-27%</td>
<td>-38%</td>
<td>N/A</td>
</tr>
<tr>
<td>Carpool Share</td>
<td>46%</td>
<td>36%</td>
<td>38%</td>
</tr>
<tr>
<td>Carpool Share Decline*</td>
<td>-1% point YoY -5% points (from Q2)</td>
<td>-8% points YoY -4% points (from Q2)</td>
<td>N/A</td>
</tr>
</tbody>
</table>
### After Studies & Occupancy

#### 680 Contra Costa (Top); 580 (Bottom)

<table>
<thead>
<tr>
<th>Performance Measure</th>
<th>Peak Period, Peak Direction</th>
<th>2014 Baseline</th>
<th>After Period (2018)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Utilization</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vehicle Occupancy;</td>
<td>AM Peak (SB)</td>
<td>2.23 occ</td>
<td>1.65 occ</td>
</tr>
<tr>
<td>Classification</td>
<td></td>
<td>23% SOV</td>
<td>58% SOV</td>
</tr>
<tr>
<td>@ Greenbrook Dr</td>
<td></td>
<td>76% HOV</td>
<td>42% HOV</td>
</tr>
<tr>
<td></td>
<td>PM Peak (NB)</td>
<td>2.11 occ</td>
<td>1.76 occ</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20% SOV</td>
<td>63% SOV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>79% HOV</td>
<td>41% HOV</td>
</tr>
<tr>
<td>Vehicle/Person</td>
<td>AM Peak (SB)</td>
<td>1,280 veh</td>
<td>1,640 veh</td>
</tr>
<tr>
<td>Throughput</td>
<td></td>
<td>2,850 persons</td>
<td>2,700 persons</td>
</tr>
<tr>
<td></td>
<td>PM Peak (NB)</td>
<td>2,160 veh</td>
<td>2,400 veh</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4,560 persons</td>
<td>4,230 persons</td>
</tr>
</tbody>
</table>

**Figure 23: Peak Period Average Vehicle Occupancy across all lanes**

[Bar charts showing average vehicle occupancy across different periods and locations.]
I-680 SB Extension – tolling starts ~June 2021

Today

When tolling starts
680 Express Lanes – Rules of the Road

Get FasTrak!
Set your tag!
Go with your tag in the car!
Resources

• Express Lane Users: https://511.org/driving/express-lanes
• BAIFA Express Lane Quarterly Reports and After Study: https://mtc.ca.gov/our-work/plans-projects/major-regional-projects/mtc-express-lanes

Barbara Laurenson, blaurenson@bayareametro.gov
Transportation Demand Management Advisory Committee
2.26.21

Linsey Willis
Contra Costa Transportation Authority
Who We Are

• Contra Costa, California
• Public agency formed by voters to manage transportation sales tax program and transportation planning efforts.
• Responsible for maintaining and improving mobility throughout the county by delivering critical transportation infrastructure projects.
• Managing entity of autonomous vehicle (AV) testing site: GoMentum Station.
What We Do

PEDESTRIANS and CYCLISTS
Make improvements to sidewalks, crosswalks, trails, and paths to create safe routes for pedestrians and cyclists.

STREETS and HIGHWAYS
Smooth traffic flow on major roads and highways with investments in road surface repair, and infrastructure like express lanes, tunnels, and bridges.

TRANSIT
Invest in a reliable, comfortable and convenient bus network; expand the Bay Area ferry system by to serve as a commute method between West County and San Francisco; improve BART service and stations by extending routes and increase parking.

INNOVATION
Implement smart transportation infrastructure to reduce congestion, improve travel efficiency, and encourage greener travel.

SAFE ROUTES to SCHOOLS
Focus on programs and projects aimed at bicycle and pedestrian safety for elementary, middle, and high school students.

ACCESSIBILITY for ALL
Enhance transit options to improve mobility for seniors and people with disabilities.
INNOVATE 680

6 Projects, 1 Fully Connected Corridor

Imagine the Possibilities
INNOVATE 680 Program Video
Shared Mobility Hubs

Highlights & Recommendations

• 5-10 min. walks ok!
• 2% walk to transit in Tri-Valley
• 50% of bicycle trips are 2 miles or less
• 75% of e-bike or scooter trips are less than 2.5 miles
• 5 miles or more from hub? Driving likely
Shared Mobility Hub Visualization
BEHAVIOR SCIENCE UPDATE
Root Solutions

Behavior Science Consultant

**Landscape Analysis**
Review of all available national and international research to assess what is already known on relevant topics

**Behavioral Drivers Analysis**
Surveys and focus groups to help us understand what drives behavior of residents

**Intervention Recommendations**
Based on the first two phases of work, recommendations will be developed for how to best build projects to encourage mode shift
Landscape Analysis Reports
Understanding gaps in available research

Shared Mobility Hubs
Part-Time Transit Lanes
Mobility as a Service
Mode Shift (special report)
Advanced Technology
Advanced Driving Systems
Express Lanes

Draft May 2020
Draft May 2020
Draft June 2020
Draft July 2020
Draft December 2020
Draft January 2021
Draft TBD
What We’ve Learned
Highlights from Our Research

70% of Contra Costa County residents currently commute via car, alone.

Multiple studies across multiple nations showed that the populations most likely to adopt MAAS early are travelers in youth to middle-age.

CCTA’s MAAS mobile app key features
- Trip planning and real-time information
- Uniform pay
- Rewards/incentives
- Connection protection

Compare
57% of European households use 1 car.
82% of Contra Costa households have 2+ cars.
Survey – Quick Overview

• Online (but print version available upon request)
• 20-25 minutes in length
• Topics covered:
  - Transit
  - Shared mobility hub amenities
  - Preferred modes of travel
  - Current travel habits
  - Pre-Covid travel habits
User Analysis Survey

Sample Questions

• On a typical day before COVID-19, how many stops did you make on your way to and from work or school (e.g., food/drink, child drop-off/pick-up, gym, shopping, etc.)?

• Before COVID-19, what (if anything) made it challenging for you to use alternative modes of transportation (modes other than driving a car)? Please be as specific as possible.

• What are some of your reasons for wanting to drive less? Select all that apply.

  □ To save time
  □ To save money
  □ To use time more productively
  □ Less stress
Survey Distribution

SURVEY REQUESTS DISTRIBUTED
(~50,000)

End November

Week 1

1-Dec

Goal

400 responses

700 responses

1500 responses

Goal reached!
Pre-Covid Use of the I-680 Corridor

- Never: 4%
- One to three times per year: 4%
- Once every two or three months: 6%
- One to three times per month: 17%
- At least once per week: 29%
- Every day or nearly every day: 41%
Pre-Covid Mode of Choice

- Personal vehicle (ALONE): 91%
- BART: 54%
- Walk: 39%
- App-based ridehail (ALONE): 31%
- Telecommute: 26%
- Carpool with household: 21%
- Personal bicycle, skateboard, or scooter: 18%
- Public bus: 17%
- Carpool with others: 12%
- Private bus or shuttle: 3%
- App-based carpool: 3%
- Rail: 3%
- Personal gas motorcycle, scooter, or moped: 2%
- Personal electric bike or scooter: 2%
- Other: 2%
- Carshare: 1%
- Bikeshare or scootershare: 1%
- Paratransit: 1%
- Vanpool: 0%
Likelihood of Returning to Previous Travel Habits in the Future

- Not at all likely: 5%
- Not so likely: 11%
- Somewhat likely: 32%
- Very likely: 52%
Interest in Driving Less

- Not at all interested: 13%
- Not so interested: 20%
- Somewhat interested: 40%
- Very interested: 28%
<table>
<thead>
<tr>
<th>Reason</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less environmental impact</td>
<td>69%</td>
</tr>
<tr>
<td>I don’t want to sit in traffic</td>
<td>63%</td>
</tr>
<tr>
<td>Less stress</td>
<td>55%</td>
</tr>
<tr>
<td>To save money</td>
<td>47%</td>
</tr>
<tr>
<td>To use time more productively</td>
<td>39%</td>
</tr>
<tr>
<td>To save time</td>
<td>25%</td>
</tr>
<tr>
<td>I don’t like driving</td>
<td>21%</td>
</tr>
<tr>
<td>Other</td>
<td>7%</td>
</tr>
</tbody>
</table>
Next Steps

Stay tuned!

- Deep dive into survey response data
- Present survey results to PAC at April meeting
- Additional, focused research based on data
- Develop and implement recommendations
Website: ccta.net/projects/innovate-680/
QUESTIONS?
COUNTY CONNECTION
San Ramon – Employer Transportation Webinar

FEBRUARY 26, 2021
Financial Projections

- Based on current revenue projections, as defined by MTC, and assuming pre-COVID service levels, County Connection’s TDA reserves would be depleted in FY 2023.

- County Connection anticipates farebox revenues losses between $10-$12 million, over the next three years.

- In FY2020, County Connection’s STA allocation was reduced by approximately $430,000.

- County Connection has implemented various cost-cutting measures since the beginning of the pandemic to ensure essential service is protected.
Ridership

- Temporary reduced service levels
  - Reduced frequency on low ridership routes
  - 600-series school routes not in operation
  - Schedule adjustments were made to better coordinate with BART’s 30-minute headways

- Ridership is down 70% from pre-COVID levels
  - Weekend ridership has recovered faster
  - Ridership has dropped since the new regional shelter-in-place order

- Highest ridership routes: 10, 14, 16, 20
  - 46% of weekday ridership
Bay Area Transit Coordination

- Regular weekly coordination meetings
- Sharing of best practices
  - Service planning and recovery strategies
  - Public outreach and approval processes for pandemic related service adjustments
  - Social distancing requirements
- Regional Efforts: Engaging with MTC-led regional efforts (i.e. fare integration, mapping, Clipper START)
- Long-Range Planning: FASTER regional funding measure involved coordinated on long-range planning
- Ongoing & Planned Efforts
  - Bay Area Healthy Transit Plan
  - Establish key regional hubs list and map
  - Pilot case studies to improve connectivity
  - Utilize technology to visualize and better understand connections
  - Align service sign-up calendars for coordinated schedule changes
Recovering from COVID-19

- Bishop Ranch
- Transportation to Schools
- Continuing to seek financial stability
I680 Initiatives

- Partnering with CCTA providing the Transit Backbone to Innovate 680
- Partnering with CCTA, LAVTA, and Solano Transit to create an Express Bus Service from Solano to Dublin
- Preparing to implement a one-year pilot to operate County Connection and LAVTA paratransit programs using a single contractor
- Exploring a joint demonstration project with County Connection, LAVTA & Gillig to create a Hydrogen Fuel Cell Bus for express services between Walnut Creek BART and Dublin BART
Thank You!
City of San Ramon
Transportation Programs and Projects Presentation
City of San Ramon
Transportation
Projects and Programs

By: Lisa Bobadilla, Division Manager and
Brian Bornstein, City Engineer
Transportation Programs

• Mobility on Demand (MOD) Bikeshare Program
  • Bikeshare Program for San Ramon, Danville, Alamo
  • Mobile Application Based – Incentives Provided for Users
  • Pilot Program - Fall 2021

• Summer Bike Challenge

• Bike To Wherever Day May 21, 2021

• Commuter Incentive Program
  • Post COVID changes (Vanpool, Carpool, Transit and Guaranteed Ride Home)
    www.511contracosta.org

• GoSanRamon! - OnDemand Transit Program

• San Ramon Transit Center Electronic Message Board Installation – Fall 2021
Transportation Projects

• Bollinger Canyon Road Widening
• Crow Canyon Road Widening
• Bollinger Canyon Road & Iron Horse Trail – Bicycle-Pedestrian Overcrossing
• Bike Master Plan Implementation
• Intelligent Transportation System Master Plan
• Automated Traffic Signal Performance Measures
Bollinger Canyon Road Widening
Continuous Green (southbound)
Crow Canyon Road Widening

EXISTING CONDITIONS - WEST OF ST GEORGE

DESIGN SIMULATION
Bike Master Plan

San Ramon Valley Boulevard - Green Conflict Zone

Dougherty Road - Buffered Bike Lane
Bollinger Canyon Iron Horse Trail Bicycle/Pedestrian Overcrossing
Automated Traffic Signal Performance Measures System