1. Call to Order/Roll Call
   Action (Jill Liu, Alex Gomez)

2. Agenda Reports by Standing Committees
   - Bus Operations
   - Local Transit Systems
   - Streets and Freeways
   - TDM/Sustainability
   Attachment 1: Subcommittee Agendas
   Attachment 2: Subcommittee Actions
   5 min
   Information
   (Tracy Beidleman)
   (Sebastian Hernandez)
   (Fulgene Asuncion)
   (Mark Hunter)

3. Chairperson’s Report
   5 min
   Information
   (Jill Liu)

4. Consent Calendar
   Action
   • Approval of Minutes
   Attachment 3: Draft November 6, 2019 Minutes
   Attachment 4: ATP Update
   Information
   (Patricia Chen)

5. CTC & ATP Update
   10 min
   Attachment 4: ATP Update
   Information

6. Section 5310 Appeal Re-cap
   5 min
   Information
   (Anne Flores) (Ruben Cervantes)

7. Metro Active Transport Program Update
   15 min
   Attachment 5: Metro Active Transport Program Update
   Information
   (Tony Jusay)

8. Travel Rewards Research Pilot
   15 min
   Attachment 6: Travel Rewards Research Pilot Presentation
   Information
   (Avital Shavit)
9. TOC Demonstration Pilot Information  
   15 min  
   Attachment 7: TOC Demonstration Pilot Presentation (Nick Saponara)

10. Legislative Update Information  
    15 min  
    (Raffi Hamparian)

11. Other Business

12. Adjournment

TAC Minutes and Agendas can be accessed at: http://www.metro.net/about/tac/

Please call Alex Gomez at (213) 922-7573 or e-mail GomezA5@metro.net with questions regarding the agenda or meeting. The next meeting is **February 5** (Location TBD).
Attachment 1

Subcommittee Agendas
Agenda
Los Angeles County
Metropolitan Transportation Authority

BUS OPERATIONS SUBCOMMITTEE
Mulholland Conference Room – 15th Floor
9:30 am

1. Call to Order
   (1 minute)                      Action
   Tracy Beidleman

2. Approval of October 15, 2019 Minutes
   (1 minute)                      Action
   BOS

3. Chair’s Report
   (5 minutes)                     Information
   Tracy Beidleman

4. Metro Report
   (5 minutes)                     Information
   Mercedes Meneses

5. SCAG Transit Asset Management
   (10 minutes)                    Information
   Steven Fox

6. Legislative Update
   (10 minutes)                   Information
   Raffi Hamparian/Michael Turner

7. How Women Travel Presentation
   (15 minutes)                   Information
   Meghna Khanna

8. FTA Update
   (10 minutes)                   Information
   Arianna Valle/Stacy Alameida

9. Transit Industry Debriefing/Updates
   (5 minutes)                    Information
   All

10. New Business
    (5 minutes)                    Information
    All

11. Adjournment
Information Items:

A. 90-day Rolling Agenda
B. FY16 Section 5307 Fund Balance
C. FY17 Section 5307 Fund Balance
D. FY18 Section 5307 Fund Balance
E. FY19 Section 5307 Fund Balance
F. Combined FY16-FY19 Fund Balances
G. FY20 Subsidy Tracking Matrix
H. FY20 Summary of TDA & STA Capital Claims
I. FY20 TDA/STA/SB1 Claim Summary
J. FY20 Summary of Invoices

BOS Agenda Packages can be accessed online at: https://www.metro.net/about/bos/

Please call MERCEDES MENESES at 213-922-2880 if you have questions regarding the agenda or meeting. The next BOS meeting is scheduled for Tuesday, December 17, 2019, at 9:30 am in the William Mulholland Conference Room, 15th Floor of the Metro Headquarters Building.
Agenda

Los Angeles County
Metropolitan Transportation Authority

Streets and Freeways Subcommittee

William Mulholland Conference Room – 15th Floor

1. Call to Order
   1 min  
   Action (Bahman Janka)

2. Approval of Minutes
   Attachment 1: October 17, 2019 Minutes
   Attachment 2: Attendance Sheet/Sign-In Sheet

3. Chair Report
   5 min  
   Information (Bahman Janka)

4. Metro Report
   5 min  
   Information (Fulgene Asuncion)

5. Caltrans Report
   10 min  
   Information (Steve Novotny)

6. West Santa Ana Branch Transit Corridor
   15 min  
   Information (Ivan Gonzalez/Meghna Khanna)

7. NoHo to Pasadena BRT
   15 min  
   Information (Scott Hartwell)

8. ATP Update
   5 min  
   Information (Patricia Chen)
9. CTC Update  
   Information (Patricia Chen)  
   5 min  

10. Local Streets and Roads Program  
    Information (Patricia Chen)  
    10 min  

11. Legislative Update  
    Information (Raffi Hamparian/ Michael Turner)  
    15 min  

12. New Item  
    5 min  

13. Adjournment  
    1 min  

The next meeting for the Streets and Freeways Subcommittee will be held tentatively on Thursday, January 16th, 2020 at 9:30 a.m. on the 15th floor, William Mulholland Conference Room. Please contact Fulgene Asuncion at (213) 922 – 3025 should you have any questions or comments regarding this or future agendas.

Agendas can be accessed online at: [http://www.metro.net/about/sfs/](http://www.metro.net/about/sfs/)
NOTE TIME: 1:30 PM

Thursday, November 5th, 2019, 1:30 P.M.

Agenda
Los Angeles County
Metropolitan Transportation Authority

LOCAL TRANSIT SYSTEMS SUBCOMMITTEE
Meeting room – Pasadena Conference Room, 22nd Floor, Metro

Webinar Link To be posted when confirmed:
Please join my meeting from your computer, tablet or smartphone.
https://global.gotomeeting.com/join/625064421

This meeting is locked with a password: Metro

You can also dial in using your phone.
United States: +1 (408) 650-3123

Access Code: 625-064-421

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Call to Order</td>
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<tr>
<td>2.</td>
<td>Approval of Minutes (July)</td>
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<tr>
<td>3.</td>
<td>Agency Profile: PV Transit</td>
</tr>
<tr>
<td>4.</td>
<td>Understanding How Women Travel Report</td>
</tr>
<tr>
<td>5.</td>
<td>Metro’s Finance Forecast</td>
</tr>
<tr>
<td>6.</td>
<td>Voting Members Preparation for Update</td>
</tr>
<tr>
<td>7.</td>
<td>Subregional Process</td>
</tr>
<tr>
<td>8.</td>
<td>New Business: 1. TAC update; 2. BOS Update,</td>
</tr>
</tbody>
</table>

Reminder:
Please mute phones so background noise won’t interfere with meeting

New to GoToMeeting? Get the app now and be ready when your first meeting starts:

Metro will validate your Parking ticket for this meeting’s attendance. Take your parking ticket to the 15th floor for validation.
Attachment 2

Disposition of Subcommittee Actions
Disposition of Subcommittee Actions

November 2019

Bus Operations Subcommittee:

- Approved the October 2019 meeting minutes
- Approved adding LCTOP (Low Carbon Transit Operations Program) Update to the agenda as an informational item.
- Approved going dark in December.

Local Transit Systems Subcommittee:

- Approved the October 2019 meeting minutes

Streets and Freeways Subcommittee:

- Approved the October 2019 meeting minutes
- The subcommittee determined the following Streets & Freeways representation:
  - Chair: Charles Herbertson, Westside Cities
  - Vice-Chair: Andrew Maximous, Arterial ITS

TDM/Sustainability Subcommittee:

- Did not meet in November 2019
Attachment 3

November 6, 2019 TAC Minutes

November 6, 2019 Sign-In Sheets
**LACMTA Technical Advisory Committee**  
**Wednesday, November 6, 2019 9:30 a.m.**  
**Meeting Minutes**

**Members Present:** Marianne Kim (Automobile Club of California), Rich Dilluvio (Bicycle Coordinator), Tracy Beidleman (BOS), Jane Leonard (BOS), Sgt. Ray Abramian (CHP), Steve Novotny (Caltrans), Greg Farr (Caltrans), Ellen Blackman (Citizen Representative on ADA), Victor Cortes (City of LA), Kari Derderian (City of LA), Richard Marshalian (County of LA), Mario Rodriguez (County of LA), David Kriske (Arroyo Verdugo Cities), Lisa Rapp (Gateway Cities COG), Joshua Nelson (San Gabriel Valley COG), Gilbert Marquez (South Bay Cities COG), David Feinberg (Westside Cities COG), Sebastian Hernandez (LTSS), Luz Echavarria (LTSS), Carolyn Kreslake (Metro), Mike Behen (North LA County), Jill Liu (Metro), Alex Gomez (Metro), Cindy Cho (Metro)

<table>
<thead>
<tr>
<th>Agenda Item</th>
<th>Major Discussion Points</th>
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<tbody>
<tr>
<td><strong>1. Call to Order/Roll Call</strong></td>
<td>Jill Liu called meeting to order at 9:35am. Alex Gomez took roll and declared quorum present.</td>
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</tbody>
</table>
| **2. Agenda Reports by Standing Committees** | **Bus Operations Subcommittee (BOS)**  
- Meeting held October 15, 2019  
  - Discussions on elements that should be included in the Short Range Transportation Plan Funding Plan (due January 31)  
  - BOS representatives for TAC were elected  
    - Tracy Beidleman (primary), James Lee (alternate)  
    - Jane Leonard (secondary), Viviana Castro (alternate)  
  - Legislative Update from Raffi Hamparian and Michael Turner  
  - Access Services provided update on Annual Membership meeting  
  - FTA provided update on various grant programs and triennial review for agencies  

**Local Transit Systems Subcommittee (LTSS)**  
- No meeting held in October, next meeting – November 21, 2019  

**Streets and Freeways Subcommittee**  
- Meeting held October 17, 2019  
  - Chair Bahman Janka announced upcoming retirement. Elections for chair and vice chair will be held tentatively in November or January.  
  - Presentations held on Sepulveda Transit Corridor Project, New Mobility Roadmap, and Crenshaw North Extension  
  - Next Meeting – November 21, 2019  

**Transportation Demand Management (TDM)/ Sustainability Subcommittee**  
- No meeting held in October, next meeting- November 20, 2019
<table>
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<tr>
<th>Agenda Item</th>
<th>Major Discussion Points</th>
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</table>
| **3. Chairperson’s Report** | **Welcome New TAC Member**<br>- San Gabriel Valley COG primary appointee: Joshua Nelson, City Engineer, City of Industry  
**Metro Updates**<br>- Metro’s A Line formerly known as Blue Line reopened on Saturday, November 2 with $350M worth of improvements made  
- LA River Bike Path released a Notice of Preparation to initiate environmental review in October and the official 45-day public comment period for this phase of the project will end on December 6th. Scoping meetings will take place November 12th - 14th and November 16th  
- Upcoming Board meeting agenda items:<br>  o November 21st Planning and Programming Committee: approve I-10 ExpressLanes Busway HOV 5+ Pilot Program Implementation Plan (*Note: As of 11/18, this item is being rescheduled for January 2020*)  
  o December 6th Regular Board Meeting: Receive a draft framework for developing a New Mobility Regional Roadmap, which includes building a countywide coalition of local agencies and municipal partners to evaluate best practices to manage new mobility in LA County  
- TAC members can email TAC coordinator Alex Gomez to be included in the New Mobility Regional Roadmap working group if interested  
**TAC Survey**<br>- In December, TAC coordinator will be sending out a brief survey to collect feedback and suggestions from TAC members on how to make meetings more efficient and useful to the group |
| **4. Consent Calendar** | Rich Dilluvio made a motion to approve the October TAC minutes and Sebastian Hernandez seconded. Minutes were approved with three abstentions from Marianne Kim, Jane Leonard, and Joshua Nelson. |
| **5. CTC & ATP Update** | TAC members can review Attachment 4 for presentation from Patricia Chen (Metro) regarding the following updates:  
- ATP Cycle 5 schedule is out and will kick off with guidelines and application development workshops this month. Call for projects will be in Spring 2020  
- ATP Grant Assistance Policy was adopted by the Board in Oct 2019. Letter of interest is coming out soon and next wave of delivery support workshops will be held in January |
| **6. January 2020 Meeting Date Approval** | Marianne Kim made a motion for TAC to go dark in December and move the January TAC meeting to January 8th. The motion was seconded by Lisa Rapp. The motion was approved with an abstention from Steve Novotny.  
As this meeting date conflicts with a standing BOS meeting, BOS members will be excused from attending the January TAC meeting. In addition to meeting minutes, audio recording of the January TAC meeting can be made available upon request. |
## Agenda Item

### 7. West Santa Ana Branch Update (Meghna Khanna/Ivan Gonzalez)

| Background | - Project is a 19-mile-long light rail transit corridor extending from Southeast LA to DTLA  
- During September 2019 Board Update received and filed a project status update including Initial Operating Segments (IOS) analysis, planning process and delivery schedule, and public-private partnership (P3) delivery procurement  
| --- | --- |

**IOS**  
- Measure R and M provides $4B to West Santa Ana Branch. There is a funding gap of $2.5-2.6B and staff are looking for new funds while also evaluating shorter segments.  
- Two IOS have been identified, including: I-105/Green Line to Pioneer Blvd. and Slauson Ave. to Pioneer Blvd  
- Metro Board will make decision on preferred alternative in 2021

**Planning Process and Delivery Schedule Overview**  
- Technical Environmental analysis and engineering work continues for project and IOS (Draft EIS/EIR release Dec 2020)  
- Staff is coordinating with the Union Pacific Railroad and Ports of LA/Long Beach Union Pacific Railroad – agreement on design and right of way is critical to meeting project schedule

### 8. Financial Forecast Update (Craig Hoshijima)

| Overview | - Metro maintains a 40-year financial forecast that identifies a funding plan for operating and capital costs. The financial forecast also helps determine funding strategies for Measure M and R projects.  
- Short Range Financial Forecast (SRFF) is a 15-year subset that identifies fund assignments to Metro projects and programs  
- The Short Range Financial Forecast will be going to the Metro Board on Dec 5th

**Short Range Financial Forecast**  
- The SRFF includes capital costs and operating expenses based on assumed future revenue service hours  
- Metro has benefitted financially from a strong economy and related sales tax receipts but is spending more on bus and rail service  
- More of the operating costs must be paid with sales tax because of declining fare revenues  
  - Each year, fare recovery is at a historic low  
- New capital projects that have been advanced do not have allocated funding  
- Approved projects may have higher than expected cost due to demand for construction services  
- Metro continues to be heavily reliant on grant funding from state and federal partners (SB1)

**Potential Funding Strategies for Additional Capital Needs**  
- Reallocate funding, debt financing, value capture, tolls, congestion pricing, and Transportation Network Companies

**Summary**  
- LA Metro benefits from significant local, state, and federal funding and funding levels continue to be strong
<table>
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<tr>
<th>Agenda Item</th>
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|             | - Trends: negative ridership, new capital demands, higher than expected costs  
|             | - Solutions: reprioritize projects, seek new revenues |
| 9. North San Fernando Valley BRT (Cory Zelmer) | Project Background  
|             | - 2016 – North San Fernando Valley BRT Improvements identified as a Measure M funded project ($180M)  
|             | - 2017 – Completed Environmental Framework Report  
|             | - 2018 – Started Alternative Analysis  
|             | - October 2019 – Received Board approval to move into Environmental Review  
|             | - The project is set to open by FY 2025 to meet Measure M schedule and Twenty-Eight by ’28 schedule  
| Study Area  | - The initial study area looked at connecting on the West on the Orange Line in Chatsworth then moving through the valley and up North to Sylmar  
|             | - Common BRT elements included signal priority, stations, vehicles, branding, and convenient fare location  
|             | - Redirecting lanes to dedicated bus lanes is a contentious item as it looks to fit into existing streets of communities  
|             | - Alternative Analysis (AA) Study is looking at East to West, merging into Orange Line and make connection on Van Nuys Blvd.  
|             | | o The AA was completed and went to Board in June. Item was postponed to October for approval  
|             | - During postponement, in Summer 2019, further outreach was done and received approx. 4,400 comments. Dedicated lanes were the main concern for the community  
| Next Steps  | - Following October Board Action, project amended to add route option(s) around Roscoe Blvd with connection along Lindley Ave. or Reseda Blvd.  
|             | - Currently at environmental review stage  
|             | - Next phase will evaluate proposed project and design variations, continue coordination with NextGen Bus Study and City of LA, and continue outreach to engage affected stakeholders in advance of key decision points  
|             | - Outcomes of next steps: refined proposed project, assessment of the appropriate level of environmental review, maintain Measure M schedule |
| 10. TAP Update (Robin OHara/Manish Chaudhari) | Background  
|             | - TAP is a contactless chip based smart card system-27 agencies including 3,800 regional buses and 124 rail stations use them  
|             | - 24 million regional transactions are made per month and over 750 different productions are on the fare table  
|             | - Currently in TAP, looking at Mobility as a Service (MaaS)  
|             | | o Public and Private coming together to make a single account attached to different payment methods so that all modes of mobility including parking at stations and ride sharing can be paid through one account called TAPforce |

TAC Minutes, November 6, 2019
<table>
<thead>
<tr>
<th>Agenda Item</th>
<th>Major Discussion Points</th>
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<tr>
<td><strong>TAPforce</strong></td>
<td>- The cloud-based system will create concept of account-based payment method for more flexibility for users</td>
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<td>- TAPforce would work with the Metro transit system and 25 agencies for compatibility</td>
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<td>- Currently, looking to develop a TAP mobile app</td>
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<td>- The TAPforce will not build a new system from scratch but add onto the legacy system</td>
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<tr>
<td><strong>Equity</strong></td>
<td>- TAPforce will have a TAP cash component where cash loading at local CVS and 7-Elevens are available for unbanked folks</td>
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<td><strong>Benefit</strong></td>
<td>- Incentivize behavior through promo codes to use Metro Services</td>
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<td>- Make Cross-Program discounts available so that discounts for different programs like LIFE and bike share will be easy to apply</td>
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<tr>
<td><strong>New and Upcoming Enhancements</strong></td>
<td>- Farebox upgrade (cellular) for real time communication compatible with TAP Mobile app</td>
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<td>- TAP cards will be sold in retail kiosks in October</td>
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<td>- TAP wearables available</td>
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| 11. I-10 HOV5+ Pilot (Alice Tolar)     | **Historical Context**  |
|                                         | - 1973-Present HOV changed from HOV3+ to HOV2 and have now converted to ExpressLanes  |
|                                         | **I-10 ExpressLanes Performance Challenges**  |
|                                         | - From FY-14 to FY-18 there has been a 58% increase in ExpressLanes trips, 201% increase in HOV-only minutes, and 12.5% decrease in AM Peak ExpressLanes speeds (60.8 mph to 53.2 mph)  |
|                                         | **Addressing Challenges**  |
|                                         | - Proposed pilot is HOV5+ at all times (estimated pilot cost: $6.2M)  |
|                                         | - Pilot objectives: keep transit moving, move more people more efficiently, and reduce occupancy misrepresentation in the ExpressLanes  |
|                                         | - Potential effects of pilot:  |
|                                         |   o Mobility benefit of approx. $3.7M per day in time/delay cost savings corridor-wide  |
|                                         |   o Increase in ExpressLanes person-throughput by 600 persons/day  |
|                                         |   o Increase in end-to-end travel times in general purpose lanes by 4 minutes on average  |
|                                         |   o Increase in congestion of the eastbound I-10 ExpressLanes at I-605 from forced merging into general purpose lanes  |
|                                         |   o Improvements in transit travel time reliability and provision of long-term sustainable strategy for less congestion  |

**Implementation Plan**
<table>
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<tr>
<th>Agenda Item</th>
<th>Major Discussion Points</th>
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| - Public education and marketing campaign, mitigation strategies and incentives, roadside signage changes, mobile app for occupancy declaration and verification, before-and-after data collection and evaluation, concurrence from Caltrans and FHWA  
- Timeline: Metro will present Implementation Plan and begin implementation period upon Board approval. Estimated to go live in Oct 2020 |

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<tr>
<th><strong>12. FTA Section 5310 Appeals (Anne Flores/Ruben Cervantes)</strong></th>
<th><strong>Background</strong></th>
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| - Section 5310 program awards operating and capital funds to state or local government agencies, non-profits, and operators of public transportation  
- Goal of the program is to improve mobility for seniors and individuals with disabilities by removing barriers and expanding mobility options |

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<thead>
<tr>
<th><strong>Application and Evaluation Process</strong></th>
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| - Applicants submitted applications not to exceed funding request cap of $600,000 in capital and $600,000 in operating  
- During application period, Metro conducted two workshops to assist potential applicants  
- 42 applications were received by July 31st deadline and evaluated by a panel using criteria identified in FY 2019 Solicitation for Proposals and Application Package released on April 30, 2019  
- A minimum score of 70 was required to be considered for award  
- In the notice of preliminary funding awards released Oct 16th, applicants were given opportunity to request an appeal of their funding award recommendation |

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<thead>
<tr>
<th><strong>TAC Appeals Process</strong></th>
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| - For this competitive solicitation, 5% of the available funding, approximately $482,000 is set aside for allocation  
- Five agencies with a total of six projects requested an appeal during the November TAC meeting  
- Each agency presented their project(s) and reason for their appeal (see attached fact sheets for more detail)  
- After listening to the six appeals, the 12 members present discussed two possible recommendation options to allocate funding  
  - Option 1 (proposed by Rich Dilluvio – Bicycle Coordinator): Recommend to fully fund City of Manhattan Beach in the amount of $396,702 and award the remaining amount of $85,742 to City of Whittier.  
  - Option 2 (proposed by Greg Farr - Caltrans): Recommend funding Westside Pacific Villages (WPV) in the amount of $91,060 needed, fund Manhattan Beach enough funds to purchase one of three vehicles requested and award the remainder portion of the funds available to the City of Whittier.  
- As the committee was not able to reach a quorum (16 members) during the appeals to vote on a recommendation, members present agreed that the recommendation would be voted through an electronic voting system immediately after the November TAC meeting for the full committee’s consideration  
- TAC members submitted 16 votes in favor of approving the recommendation to fully fund City of Manhattan Beach in the amount of $396,702, and to award the remaining amount of $85,742 to City of Whittier. |
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<tr>
<th>Agenda Item</th>
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<tr>
<td>-</td>
<td>Metro staff will take the recommendation into consideration as we prepare this item for Board approval in January 2020.</td>
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<tr>
<td>13. Other Business</td>
<td>None</td>
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<tr>
<td>14. Adjournment</td>
<td>Meeting was adjourned at 12:30 P.M.  Next meeting will be on January 8, 2020 at 9:30 a.m.</td>
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# TECHNICAL ADVISORY COMMITTEE

## Sign in Sheet
November 6, 2019

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>MEMBER/ALTERNATE (Please check box)</th>
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<tbody>
<tr>
<td>AUTOMOBILE CLUB OF CALIFORNIA</td>
<td>1. Marianne Kim/ □ Stephen Finnegan</td>
</tr>
<tr>
<td>BICYCLE COORDINATOR</td>
<td>1. Rich Dilluvio/ □ Hannah Woo</td>
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<tr>
<td>BUS OPERATIONS SUBCOMMITTEE (BOS)</td>
<td>1. Tracy Beidlemian/ □ James Lee</td>
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<td>2. Jane Leonard/ □ Robert Portillo</td>
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<tr>
<td>CALIFORNIA HIGHWAY PATROL</td>
<td>1. □ Lt. Saul Gomez/ △ Sgt. Ray Abramian</td>
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<td>CALTRANS</td>
<td>1. □ Paul Marquez/ △ Steve Novotny</td>
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<td>2. □ Greg Farr/ □ Kelly Lamare</td>
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<tr>
<td>CITIZEN REPRESENTATIVE ON ADA</td>
<td>1. □ Ellen Blackman/ □ Vacant</td>
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<tr>
<td>CITY OF LONG BEACH</td>
<td>1. □ Vacant/ □ Michelle Mowery</td>
</tr>
<tr>
<td>AGENCY</td>
<td>MEMBER/APPROVAL (Please check box)</td>
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</table>
| CITY OF LOS ANGELES    | 1. Kari Derderian  
<p>|                        | □ Corinne Ralph/ □ Kari Derderian |
|                        | 2. Carlos Rios/ □ Michael Hunt     |
|                        | 3. □ Kevin Minne/ □ Víctor Cortes  |
| COUNTY OF LOS ANGELES  | 1. □ Richard Marshalian/ □ Ayala Ben-Yehuda |
|                        | 2. □ Mary Reyes/ □ Mario Rodriguez |
|                        | 3. □ David B. MacGregor/ □ Mario Rodriguez |
| LEAGUE OF CALIFORNIA CITIES | 1. □ David Kriske/ □ Roubik Golanian |
|                        | 2. □ Lisa Rapp/ □ Ed Norris       |
|                        | 3. □ Rob DuBoux/ □ Elizabeth Shavelson |
|                        | 4. □ Mike Behen/ □ Candice Vander Hyde |
|                        | 5. □ Joshua Nelson/ □ Craig Bradshaw |
|                        | 6. □ Jason Smisko/ □ Dennis Ambayec |
|                        | 7. □ Dr. Maria Slaughter/ □ Gilbert Marquez |
|                        | 8. □ David Feinberg/ □ Hany Demitri |</p>
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<tr>
<td>LOCAL TRANSIT SYSTEMS SUBCOMMITTEE (LTSS)</td>
<td>1. Sebastian Hernandez/ Perri Goodman</td>
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<td>2. Luz Echavaria/ Hali Aziz</td>
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<tr>
<td>METROPOLITAN TRANSPORTATION AUTHORITY (Metro)</td>
<td>1. Jill Liu/ Alex Gomez Countywide Planning &amp; Development</td>
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<td>2. Carolyn Kreslake/ Diane Corral-Lopez/</td>
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<tr>
<td>PEDESTRIAN COORDINATOR</td>
<td>1. Valerie Watson/ Dale Benson</td>
</tr>
<tr>
<td>PUBLIC HEALTH REPRESENTATIVE (Ex-Officio)</td>
<td>1. Vacant/ Vacant</td>
</tr>
<tr>
<td>SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY (SCARRA - Ex-Officio)</td>
<td>1. Anne Louise Rice/ Karen Sakoda</td>
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<tr>
<td>SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD -- Ex-Officio)</td>
<td>1. Eyvonne Drummonds/ Kathryn Higgins</td>
</tr>
<tr>
<td>SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS (SCAG -- Ex-Officio)</td>
<td>1. Warren Whiteaker/ Annie Nam</td>
</tr>
<tr>
<td>GOODS MOVEMENT REPRESENTATIVE (Ex-Officio)</td>
<td>1. Lupe Valdez/ LaDonna DiCamillo</td>
</tr>
<tr>
<td>TRANSPORTATION DEMAND MANAGEMENT/ SUSTAINABILITY SUBCOMMITTEE</td>
<td>1. Mike Bagheri/ Vacant</td>
</tr>
<tr>
<td></td>
<td>2. Mark Hunter/ Vacant</td>
</tr>
<tr>
<td>Name</td>
<td>Agency</td>
</tr>
<tr>
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</tr>
<tr>
<td>Jimmy Shih</td>
<td>CMT Trans</td>
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<td>Baldwin Nyar</td>
<td>Rancho Cucamonga</td>
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<td>Sara Baumann</td>
<td>LBT</td>
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<td>Tahl Agness</td>
<td>Christine Church</td>
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<td>Robin Obara</td>
<td>TAP/Metro</td>
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<td>Ruben Cortez</td>
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<tr>
<td>Jan Burke</td>
<td>Manhattan Beach</td>
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<td>Eve Kelso</td>
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<td>Karina Andrade</td>
<td>El Monte</td>
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<td>Carol Kitabayashi</td>
<td>West Valley</td>
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<tr>
<td>Christen Caruso</td>
<td>Public Villages</td>
</tr>
<tr>
<td>Venia Patterson</td>
<td>Pico Rivera</td>
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<td>Martin Browne</td>
<td>Whittier</td>
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<td><strong>David Sutton</strong></td>
<td>Metro / TAP</td>
</tr>
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<tr>
<td>Marianne Kim/Stephen Finnegan (A)</td>
<td>AUTO CLUB</td>
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<tr>
<td>Rich Dilluvio/Hannah Woo (A)</td>
<td>BICYCLE COORDINATOR</td>
</tr>
<tr>
<td>Tracy Beidlerman/James Lee (A)</td>
<td>BOS SUBCOMMITTEE</td>
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<tr>
<td>Jane Leonard/Robert Portillo (A)</td>
<td>BOS SUBCOMMITTEE</td>
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<tr>
<td>Lt. Saul Gomez/Sgt. Ray Abramiam (A)</td>
<td>CHP</td>
</tr>
<tr>
<td>Paul Marquez/Steve Novotny (A)</td>
<td>CALTRANS</td>
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<tr>
<td>Greg Farr/Kelly Lamare (A)</td>
<td>CALTRANS</td>
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<td>Eileen Blackman/Vacant (A)</td>
<td>CITIZEN REP ON ADA</td>
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<td>Carl Hickman/Michelle Mowery (A)</td>
<td>LONG BEACH</td>
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<tr>
<td>Corinne Ralph/Kari Derderian (A)</td>
<td>CITY OF LOS ANGELES</td>
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<td>Carlos Rios/Mike Hunt (A)</td>
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<td>Kevin Minne/Victor Cortes (A)</td>
<td>CITY OF LOS ANGELES</td>
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<td>Richard Marshalian/Ayala Ben-Yehuda (A)</td>
<td>COUNTY OF LOS ANGELES</td>
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<tr>
<td>Mary Reyes/Mario Rodriguez (A)</td>
<td>COUNTY OF LOS ANGELES</td>
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<tr>
<td>David MacGregor/Mario Rodriguez (A)</td>
<td>COUNTY OF LOS ANGELES</td>
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<tr>
<td>David Kirske/Roubik Golanian (A)</td>
<td>ARROYO VERDUGO CITIES</td>
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<tr>
<td>Lisa Rapp/Ed Norins (A)</td>
<td>GATEWAY CITIES COG</td>
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<tr>
<td>Rob DuBoux/Elizabeth Shavelson (A)</td>
<td>LAS VIRGENES MALIBU COG</td>
</tr>
<tr>
<td>Mike Behen/Candice Vander Hyde (A)</td>
<td>NORTH L.A. COUNTY</td>
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<tr>
<td>Joshua Nelson/Craig Bradshaw (A)</td>
<td>SAN GABRIEL VALLEY COG</td>
</tr>
<tr>
<td>Jason Smisko/Dennis Ambayec (A)</td>
<td>SAN FERNANDO VALLEY COG</td>
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<tr>
<td>Dr Maria Slaughter/Gilbert Marquez (A)</td>
<td>SOUTH BAY CITIES COG</td>
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<tr>
<td>David Feinberg/Hanny Demetri (A)</td>
<td>WESTSIDE CITIES</td>
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<tr>
<td>Sebastian Hernandez/Perri Goodman (A)</td>
<td>LTSS</td>
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<tr>
<td>Luz Echavarria/Hal Ariz (A)</td>
<td>METRO</td>
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<tr>
<td>Jill Liu/Alex Gomez (A)</td>
<td>METRO</td>
</tr>
<tr>
<td>Diane Corral-Lopez/Carolyn Kreslake (A)</td>
<td>METRO</td>
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<tr>
<td>Valerie Watson/Dale Benson (A)</td>
<td>PED COORDINATOR</td>
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<tr>
<td>Vacant/Vacant (A)</td>
<td>PUBLIC HEALTH REPRESENTATIVE</td>
</tr>
<tr>
<td>Anne Louise Rice/Karen Sakoda (A)</td>
<td>SCRRA</td>
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<td>Eyvonne Drummonds/Kathryn Higgins (A)</td>
<td>SCAG</td>
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<td>Warren Whiteaker/Annam Nam (A)</td>
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<td>GOODS MOVEMENT REP</td>
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<td>TDM/SUST SUBCOMMITTEE</td>
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<tr>
<td>Mark Hunter/Vacant (A)</td>
<td>TDM/SUST SUBCOMMITTEE</td>
</tr>
</tbody>
</table>
Attachment 4

ATP Update
ATP Update

January 2020
Outline

- ATP Cycle 5
- Metro 10 Point Policy
- Metro ATP Grant Assistance
- Local Streets and Roads Deadlines
ATP Cycle 5

- $445 million across FY 22, FY 23, FY 24, and FY 25
- Spring 2020 = Ongoing guidelines/application development workshops
- Schedule
  - March 25-26, 2020 = Call for Projects
  - June 15, 2020 = Applications due
  - December 2-3, 2020 = CTC adopts Statewide projects
  - May 2021 = CTC adopts MPO projects
Metro 10 Point Policy

- Adopted 10 Point Policy:

<table>
<thead>
<tr>
<th>A. Disadvantaged Communities</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.</td>
<td></td>
</tr>
<tr>
<td>a. Consistency with Local/Regional Plans – Regional Plans</td>
<td></td>
</tr>
<tr>
<td>Leverages Measure M</td>
<td></td>
</tr>
<tr>
<td>Implements Board Priorities, such as:</td>
<td></td>
</tr>
<tr>
<td>LA River Path</td>
<td>1</td>
</tr>
<tr>
<td>Rail to River</td>
<td></td>
</tr>
<tr>
<td>Regional Bike Share</td>
<td></td>
</tr>
<tr>
<td>I-710 Active Transp. Corridor</td>
<td>and/or</td>
</tr>
<tr>
<td>Metro Active Transport, Transit First/Last Mile Program-selected projects and corridors</td>
<td></td>
</tr>
<tr>
<td>Implements the Active Transportation Strategic Plan</td>
<td></td>
</tr>
<tr>
<td>b. Consistency with Local/Regional Plans – project has robust community support</td>
<td>1</td>
</tr>
<tr>
<td>C. Bonus for First/Last Mile</td>
<td>5</td>
</tr>
<tr>
<td>Total (Up to)</td>
<td>10</td>
</tr>
</tbody>
</table>
Metro 10 Point Policy

- Applies to all projects not awarded through the Statewide Component
- Metro will assign points ~December 2020
Metro ATP Grant Assistance

• Application process is now closed – thank you for your applications

• Updated timeline:

<table>
<thead>
<tr>
<th>November 2019 – December 2020</th>
<th>Letter of Interest submission period</th>
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</thead>
<tbody>
<tr>
<td>February 2020</td>
<td>Project selection</td>
</tr>
<tr>
<td>February 2020</td>
<td>Project sponsor submits existing project data/information to Metro consultant</td>
</tr>
<tr>
<td>March 2020 – June 2020</td>
<td>Metro consultant prepares application, project sponsor reviews drafts</td>
</tr>
</tbody>
</table>
Local Streets and Roads

• May 1\textsuperscript{st} deadline: Initial project lists must be submitted online on the CalSMART tool

• Cities must adopt project lists through a resolution BEFORE May 1\textsuperscript{st}
Contact

Anna Lee Moneymaker
Transportation Planner
leea3@metro.net
(213)418-3392

Shelly Quan
Senior Transportation Planner
quans@metro.net
(213) 922-3075

Patricia Chen
Senior Director, Transportation Planning
chenp@metro.net
(213) 922-3041
Attachment 5

Metro Active Transport Program Update
Next stop: access to opportunity.

Metro Active Transport (MAT) Program
Technical Advisory Committee
January 8, 2020
Recommendation

1. **Approve**
   - Metro Active Transport, Transit and First/Last Mile (MAT) Program Cycle 1

2. **Authorize**
   - CEO or designee to initiate a project selection process
Active Transportation Funding

Measure M established a 2% Active Transportation Fund

Metro Active Transport (MAT) Program
- $1.68 billion Measure M funding (*adjusted for inflation*)
- Multi-year, competitive program
- Regular cashflow (Cycle 1 - $75 M through FY25)
- Administrative Procedures (approved Sept. 10)

PAC Guidance
- Streamline process
- Implement existing policies
- Target to need

Specified/Allocated:
- MAT Program Approx. $1.68 B*
- LA River Path Approx. $58 M**

Unallocated
Approx. $524 M

* Year of Expenditure $
** Current estimate Measure M 2% funding
Cycle 1 Overview: Categories

Active Transportation Corridors

Objectives/Benefits
- Move Active Transportation Strategic Plan (ATSP) regional network vision into action
- Create partnerships for regional scale corridors
- Target high need; prompt complex projects
- Create pipeline for future investment

Cycle 1 Funding
- Up to 8 Projects
- $4 - 8 M each
- Conceptual development through construction

FLM Priority Network

Objectives/Benefits
- Move ATSP vision for station areas into action
- Test FLM Toolkit/Pilot streamlined delivery
- Target high need
- Create highly visible “transit zones”
- Create pipeline for future investment

Cycle 1 Funding
- Up to 10 projects
- $500 K - 5 M each
- Conceptual development through construction
Cycle 1 Eligible Project List Development

Eligible Projects Originated from ATSP (adopted 2016):

- 186 Active Transportation Corridors
- 661 stations and stops

Active Transportation Corridors

Screening Criteria
- Greater than 3 miles in length
- Identified 160 total corridors
- Ranked by safety, equity, connectivity factors

Eligible Project List
- Top 25 invited to apply

FLM Priority Network

Screening Criteria
- FLM Policy (Board Motion 14.1) identified 269 stations
- Ranked by safety, equity, connectivity factors

Eligible Project List
- Top 138 locations invited to apply
Cycle 1 Timeline

PROGRAM DEVELOPMENT
• August 26, 2019: Notice of Cycle Initiation
• Sept 10, 2019: Approval of Administrative Procedures
• Sept 10, 2019: Program Workshop

UPCOMING
• Jan 2020: Cycle 1 Board Approval Request
• Feb 2020: Solicitation Opens
• Apr 2020: Letters of Interest Due
• May 2020: Project Selection
• July 2020: Board Consideration of Selected Projects
• Sep 2020: Agreements / Project Initiation
Attachment 6

Travel Rewards Research Pilot Presentation
Think You Can Solve Traffic?
Travel Rewards Research Pilot

www.metro.net/solvingtraffic
We’ve created an accelerator forum for sharing solutions.
Think You Can Solve Traffic?

Problem Statement: Solve Traffic with Pricing

Vision 2028 Goal: Double non-SOV trips by 2028
Think You Can Solve Traffic?

Outcome: >200% uptick in UP’s
3 months Nov 2018 – Jan 2019

Received: 54 proposals
Advancing: 9 proposals
Think You Can Solve Traffic?

We Received 7 Travel Rewards Proposals: Rideshark, Lumm, Miles, SPLT, The Rideshare Company, Adventure of Lifetime OU (Geme.io), and Skybus.
Travel Rewards Research Pilot

Research Question: What is the lowest price point to nudge SOV to non-SOV?

- Programmatic and monetary incentives

Drive Alone
<table>
<thead>
<tr>
<th>Row #</th>
<th>For comparison: TDM Program efficacy</th>
<th>Annual cost of non-SOV commute</th>
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<tbody>
<tr>
<td>1</td>
<td>Gates Foundation TDM: $12 SOV fee yields 32% SOV</td>
<td>-$432</td>
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<tr>
<td>2</td>
<td>&quot;Stanford-like&quot; TDM: $3 SOV fee yields 50% SOV</td>
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<tr>
<td>3</td>
<td>Self-motivated bike or carpool</td>
<td>$0</td>
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<td>4</td>
<td>Go Pass for downtown TechCo at 35% Caltrain mode</td>
<td>$814</td>
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<tr>
<td>5</td>
<td>Go Pass for Stanford campus @ 17% mode share</td>
<td>$1,676</td>
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<td>6</td>
<td>Go Pass for an employer with 10% mode share</td>
<td>$2,850</td>
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<td>7</td>
<td>Private express bus service from SF, 25 riders</td>
<td>$3,508</td>
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<tr>
<td>8</td>
<td>New structured parking space (SOV commute)</td>
<td>$3,908</td>
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<td>9</td>
<td>Employer housing stipend to live close to work</td>
<td>$10,000</td>
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<td>PATMA Program Efficacy</td>
<td>Annual cost of non-SOV commute</td>
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<td>------------------------------------------------------------</td>
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<tr>
<td>Waze Carpool</td>
<td>$1,255</td>
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<td>Transit Pass Subsidy - pass outlay</td>
<td>$1,572</td>
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<td>Transit pass subsidy including staff time: $2,072</td>
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<td>Lyft Program</td>
<td>$2,028</td>
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<tr>
<td>Scoop Program</td>
<td>$2,635</td>
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</table>
Examples of Some Existing Travel Rewards
Technology Platforms and Programs

not an exhaustive compilation
20,000+ people rewarded for sustainable travel in Bologna

In 2017 and 2018, the BetterPoints platform powered the six-month Bella Mossa programmes that encouraged fewer single-occupancy car journeys in the Italian city of Bologna.

- 787,000 journeys on foot
- 590,000 cycle journeys
- 508,000 public transport journeys
- 5,450 car-sharing journeys
- 1.4 million kg CO2 emissions saved
- 167 million calories burned
Connect Waze Carpool to RideAmigos

RideAmigos wants to access:

🚗 Completed carpools
   Information about your completed carpools - including your work location, time, and distance of each carpool

👤 If a carpool included coworker
   RideAmigos may know that you have carpooled with a co-worker, if your co-worker uses the same corporate RideAmigos account AND connected Waze Carpool to RideAmigos

[Allow] [Cancel]
MOD SANDBOX DEMONSTRATIONS
INDEPENDENT EVALUATION

CITY OF PALO ALTO AND PROSPECT SILICON VALLEY BAY AREA
FVC DEMONSTRATION PROJECT EVALUATION PLAN
#DitchWithLyft for a better Chicago

#DitchYourCar

I’m into sharing.
This app rewards commuters for choosing public transit, biking, car sharing, or walking over driving

Velocia, Miami’s new transit app, creates a virtuous cycle by giving you free rides when you use any transportation option that isn’t a private car.
Travel Rewards Research Pilot

Requirements & Components

**POPULATION**
- method
- min #
- % of transit dependent

**INCENTIVES**
- types/structure

**TECHNOLOGY**
- automated travel diary
deliver rewards

**TEAM**
Travel Rewards Research Pilot
Requirements & Components

PILOT COST & SCALE
INNOVATIVE FINANCE
TIMELINE
Travel Rewards Research Pilot

Requirements & Components: **Team**

- Technology Partner
- University Partner / Non-Profit Think Tank
- Community Based Organization
- Large Employers (min 5 or another method)
Travel Rewards Research Pilot: **Next Steps**

<p>| | |</p>
<table>
<thead>
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<tbody>
<tr>
<td>Draft Scope</td>
<td>Fall/Winter 2019</td>
</tr>
<tr>
<td>Release RFP</td>
<td>Early 2020</td>
</tr>
<tr>
<td>Award Contract</td>
<td>Summer 2020</td>
</tr>
</tbody>
</table>

With guidance from TYCST Review Team including Planning, Rideshare/General Services, TAP, Marketing, VCM.
Travel Rewards Research Pilot: Contact

Avital Shavit
Senior Manager
Office of Extraordinary Innovation
LA Metro
shavita@metro.net
213.922.7518
Attachment 7

TOC Demonstration Program
Lessons Learned
Next stop: building communities.

TOC Demonstration Program
Lessons Learned

Technical Advisory Committee
January 8, 2020
What Are Transit Oriented Communities?

Transit Oriented Communities (TOCs) are places that, by their design, allow people to drive less and access transit more. TOCs include holistic land use planning and community development policies that maximize access to transit.

Joint Development (JD) is the real estate program through which Metro collaborates with qualified developers to build transit-oriented developments on Metro-owned properties.
What Are Transit Oriented Communities?

**TOD**
**SINGLE DEVELOPMENT**
within 1/2 mile of transit

**TOC**
**INTEGRATED COMMUNITY**
served by transit with mix of uses
The TOC Demo Program showcased a comprehensive thinking about the role of transit in communities

- **Joint Development**
- **TOC Initiatives**

**TOC DEMONSTRATION SITES**

1. North Hollywood Station Joint Development
2. Duarte Station Redevelopment
3. El Monte Station
4. Crenshaw/LAX Line Joint Development
5. Willowbrook/Rosa Parks Station Improvement
6. Wardlow Station Redevelopment
7. Connect Us Action Plan
8. Golden State Specific Plan
Joint Development Lessons Learned

> Start with the basics

> Commit to meaningful community engagement, at the beginning, middle and end

> Embrace transparency, dialogue, and regular communication

> Make priorities clear and follow up appropriately
Joint Development: Process Updates

**Community Vision/Development Guidelines**
6-8 Months

**Developer Solicitation & Selection**
6-8 Months

**Project Refinement & Contract Negotiation**
12-24 Months

**Permitting & Construction**
18-24 Months

**Community Participation**

*Crenshaw/LAX Development Guidelines Visioning*

*Joint Development Building Partnerships Event*

Metro®
Joint Development: Policy Updates

> 35% Affordable Housing Goal
> Discounted Ground Lease
> Labor and Construction Policies
> Unsolicited Proposals Policy

1st/Boyle Joint Development: 80 affordable apartment units
TOC Initiatives Lessons Learned

> Enable/incentivize partners and coordinate with others
> Ask questions and be creative in finding solutions
> Become a beacon of best practices
> Make staff resources available
TOC Initiatives: Enabling Municipalities

- TOC Toolkit of Best Practices
- TOD Planning Grant Program
- Technical Studies and Grant Writing Assistance
- Pilot Programs
- Local Return for TOC Activities
TOC Initiatives: Leveraging Partnerships

Platform LA, Culver City Station

Go Ave 26, Lincoln/Cypress Station

The Bloc Connection, 7th/Metro Station
Moving Forward: TOC v.2.0

> Metro’s commitment to realizing TOCs across LA County requires active cross-departmental coordination towards integrating TOCs into the transit corridor delivery process

> Next steps: Revising Joint Development Policy

TOC Implementation Plan