

**BICYCLE AND PEDESTRIAN ADVISORY COMMITTEE (BAC and PAC)  
JOINT MEETING AGENDA**

**6:00 p.m., Thursday, May 2, 2019  
One Harbor Center, Suite 130 Conference Room 1 Suisun City, CA 94585-2473**

**ITEM**

**MEMBER/STAFF  
PERSON**

- |  |  |
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| <p><b>1. CALL TO ORDER / SELF INTRODUCTIONS / CONFIRM QUORUM</b><br/>(6:00 - 6:05 p.m.)</p> <p><b>2. APPROVAL OF AGENDA</b><br/>(6:05 - 6:10 p.m.)</p> <p><b>3. OPPORTUNITY FOR PUBLIC &amp; STAFF COMMENTS</b><br/>(6:10 – 6:20 p.m.)</p> <p><b>4. CONSENT CALENDAR</b><br/>Approve the following consent item in one motion.<br/>(6:20 – 6:25 p.m.)</p> <p><b>A. STA BAC MEETING MINUTES</b><br/><u>Recommendation:</u><br/>Approve STA BAC Meeting Minutes of March 7, 2019.<br/><b>Pg. 5</b></p> <p><b>B. STA PAC MEETING MINUTES</b><br/><u>Recommendation:</u><br/>Approve STA PAC Meeting Minutes of 12-6-18 and 2-7-19.<br/><b>Pg. 7</b></p> | <p>Michael Segala, BAC Chair<br/>Teresa Booth, PAC Chair<br/>April Wells, STA</p> <p>Michael Segala, BAC Chair<br/>Teresa Booth, PAC Chair</p> <p>April Wells, STA</p> <p>April Wells, STA</p> |
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**BAC MEMBERS**

<u>Neal Iverson</u> City of Vacaville	<u>Michael Segala</u> County of Solano Chair	<u>Nancy Lund</u> City of Benicia Vice - Chair	<u>Vacant</u> City of Dixon	<u>Quinten Voyce</u> City of Fairfield	<u>Jim Wheeler</u> City of Rio Vista	<u>Lawrence Gee</u> City of Suisun City	<u>David Belef</u> City of Vallejo	<u>Barbara Wood</u> Member-At-Large
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**PAC MEMBERS**

<u>Diane Dooley</u> City of Benicia	<u>Tamer Totah</u> City of Fairfield Vice – Chair	<u>Sandra Newell</u> City of Dixon	<u>Kevin McNamara</u> City of Rio Vista	<u>Aaron Trudeau</u> City of Suisun City	<u>Marilyn Roysel</u> City of Vacaville	<u>Teresa Booth</u> City of Vallejo Chair	<u>Joseph Joyce</u> County of Solano
			<u>Victor Anes</u> Member at Large	<u>Bob Berman</u> Bay Area Ridge Trail			

5. **SPECIAL ACTION NON-FINANCIAL** Robert Guerrero, STA
- A. **Plan Bay Area 2050 Call for Projects**  
 (6:25 – 6:35 p.m.)  
**Pg. 15**
6. **SPECIAL INFORMATIONAL ITEMS -- DISCUSSION** Robert Guerrero, STA
- A. **PDA & PCA Re-Assessments**  
 (6:35 – 6:40 p.m.)  
**Pg. 31**
7. **PRESENTATIONS**
- A. **TDA-3: SR2S Infrastructure Project – Benicia** Nouae Vue, City of Benicia  
 (6:40 – 6:45 p.m.)
- B. **TDA-3: Green Valley Rd Ridge Trail Crossing** Ryan Panganiban and  
Garland Wong, City of  
Fairfield  
 (6:45 – 6:50 p.m.)
- C. **TDA-3: SR2S Micro-Grants and Education/Outreach** Karin Bloesch, STA  
 (6:50 – 6:55 p.m.)
- D. **TDA-3: SR2S Infrastructure Project - Vallejo** Sam Kumar, City of Vallejo  
 (7:00 – 7:05 p.m.)
8. **ACTION - FINANCIAL**
- A. **Transportation Development Act Article 3 (TDA-3)  
 Fiscal Year (FY) 2019-20 Funding Recommendations** Triana Crighton, STA  
Recommendation:  
 Forward a recommendation to the STA TAC and STA Board  
 to approve the following:
1. Approve \$201,000 TDA Article 3 Fiscal Year 2019-20 for City of Fairfield – Green Valley Rd Ridge Trail Crossing Project;
  2. Approve \$245,920 for the City of Vallejo ATP Cycle 2 SR2S Infrastructure Improvements;
  3. Approve \$100,000 for the City of Benicia’s ATP Cycle 2 SR2S Infrastructure Improvements;
  4. Approve \$57,000 for STA’s SR2S Program Micro-Grant and Education/Outreach
- (7:05 – 7:15 p.m.)  
**Pg. 33**

9. **ACTION NON-FINANCIAL**

None.

10. **INFORMATIONAL ITEMS – DISCUSSION**

A. **Bay Area Air Quality Management District (BAAQMD) Transportation Funds for Clean Air FY 19-20 Projects Pg. 39** Triana Crighton, STA  
(7:25 – 7:30 p.m.)

B. **Yolo-Solano Air Quality Management District (YSAQMD) Clean Air Funds FY 19-20 Projects Pg. 43** Triana Crighton, STA  
(7:30 – 7:35 p.m.)

C. **ATP Update** Triana Crighton, STA  
(7:35 – 7:40 p.m.)

D. **May is Bike Month Updates** Triana Crighton, STA  
(7:40 – 7:45 p.m.)

11. **ADJOURNMENT**

The next meeting date of the STA BAC in July 2019 is **to be determined**. The next meeting of the STA PAC is on **Thursday, June 6, 2019**.

Michael Segala, BAC Chair  
Teresa Booth, PAC Chair

*(The BAC meets every first Thursday on odd months, PAC meets every first Thursday on even months, unless otherwise rescheduled.)*

**Upcoming BAC Meeting Dates**

Thursday, May 2, 2019

July 2019 - TBD

Thursday, September 5, 2019

**Upcoming PAC Meeting Dates**

Thursday, June 6, 2019

Thursday, August 1, 2019

Thursday, October 3, 2019

**Questions?** Please contact STA Planning Assistant, Triana Crighton (707)399-3230 [tcrighton@sta.ca.gov](mailto:tcrighton@sta.ca.gov)

**Translation Services:** For document translation please call:

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**BICYCLE ADVISORY COMMITTEE (BAC)  
Minutes for the Meeting of  
March 7, 2019**

**1. CALL TO ORDER/SELF INTRODUCTIONS/ CONFIRM QUORUM**

The meeting of the STA's Bicycle Advisory Committee (BAC) was called to order by Chair Mike Segala at approximately 6:00p.m. at the STA in Conference Room 1.

**BAC Members Present:**

Nancy Lund	City of Benicia
Quinten Voyce	City of Fairfield
Barbara Wood	Member at Large
Neal Iverson	City of Vacaville
David Belef	City of Vallejo
Mike Segala, <b>Chair</b>	County of Solano
Jim Wheeler	City of Rio Vista
Lawrence Gee	City of Suisun City

**BAC Members Absent:**

**Others Present:**

Sam Kumar	City of Vallejo
Erik Watkins	Solano Resident

**STA Staff Present**

Karin Bloesch	STA
April Wells	STA
Triana Crighton	STA

**2. APPROVAL OF AGENDA**

On a motion from Nancy Lund, and a second from Neal Iverson, the BAC unanimously approved the agenda. (8 Ayes)

**3. OPPORTUNITY FOR PUBLIC & STAFF COMMENTS**

Karin Bloesch commented regarding the Solano County Pedestrian Safety Symposium. Triana Crighton announced that the presentation was cancelled due to an injury to the presenter Jay Speck.

**4. CONSENT CALENDAR**

**A. Recommendation:**

**Approve STA BAC Meeting Minutes of January 3, 2019.**

On a motion by David Belef, and a second by Barbara Wood, the BAC approved the minutes of January 3, 2019. (8 Ayes)

**5. PRESENTATIONS**

None.

**6. ACTION – FINANCIAL**

None.

**7. ACTION – NON-FINANCIAL**

**A. A. STA BAC By-laws Review**

Recommendation:

1. Review the current BAC Bylaws
2. Approve as is, or with amendments if needed

BAC members discussed with Triana Crighton changes and updates to the wording of the BAC Bylaws. **Ms. Crighton will update the bylaws and inform BAC members when complete.**

**8. INFORMATION – DISCUSSION**

**A. Solano BikeLinks Map Update**

BAC members discussed the current Yolo/Solano BikeLinks map which consisted of suggestions for new map indicators of shoulder/no shoulder, high-low stress routes, chevrons to indicate steepness, and use of colors. **Mike Segala suggested creating a special meeting to further discuss map updates. David Belef, Nancy Lund and Triana Crighton to contact Jim Fisk to discuss updates to the City of Dixon. Ms. Crighton to contact Bart Wright regarding BAC suggestions and will carbon copy BAC members.**

**B. Pedestrian and Bicycle Counter Program Annual Report**

Triana Crighton updated the BAC on pedestrian and bicycle data and provided a document of the data collected to date.

**C. General Staff Updates**

Triana Crighton and BAC members discussed updates regarding BAC member news and updates guidelines, May is Bike Month, upcoming BAC field trip, online resources such as MapMyRide and Strava, and BAAQMD TFCA Grant call for projects.

**9. COMMITTEE MEMBER COMMENTS AND FUTURE AGENDA TOPICS**

Mike Segala mentioned his meeting with Erika McLitus, STA Project Assistant and Cory Peterson, STA Planning Assistant regarding Porter Road. BAC members expressed concerns with email attachments from Solano Transportation Authority. **Triana Crighton to send BAC proclamations.**

**10. ADJOURNMENT**

The STA BAC meeting adjourned at approximately 8:15 p.m. The next meeting of the STA BAC is on Thursday, May 2, 2019.



**PEDESTRIAN ADVISORY COMMITTEE (PAC)  
Minutes for the Meeting of  
December 6, 2018**

**1. CALL TO ORDER/INTRODUCTIONS/ CONFIRM QUORUM**

The meeting of the STA’s Pedestrian Advisory Committee (PAC) was called to order by Chair Booth at 6:00 p.m. at the STA in Conference Room 1.

**PAC Members Present:**

Tamer Totah, <i>Vice – Chair</i>	City of Fairfield
Teresa Booth, <i>Chair</i>	City of Vallejo
Bob Berman	Bay Area Ridge Trail
Purrie Conley	City of Suisun City
Kevin McNamara	City of Rio Vista
Sandra Newell	City of Dixon
Diane Dooley	City of Benicia

**PAC Members Absent:**

Joseph Joyce	County of Solano
Marilyn Royse	City of Vacaville

**Others Present:**

Sam Kumar	City of Vallejo
Jason Riley	Solano County

**STA Staff Present:**

Cory Peterson	STA
Karin Bloesch	STA
Triana Crighton	STA
April Wells	STA

**2. APPROVAL OF AGENDA**

With a motion from Bob Berman and a second from Kevin McNamara, the PAC unanimously approved the Agenda. (7 Ayes)

**3. OPPORTUNITY FOR PUBLIC & STAFF COMMENTS**

Jason Riley mentioned pedestrian improvements on Rockville Road and asked the members for input and to **add this topic as a future agenda item**. Potential improvements include adding a connection between the Rockville Trails Preserve and Rockville Hills Park, rapid flashing beacon, and bulb-outs.

**4. CONSENT CALENDAR**

Approve the following consent item in one motion.

**A. Minutes of the STA BAC/PAC Meeting of November 1, 2018**

On a motion by Diane Dooley, seconded by Bob Berman, the STA PAC approved the minutes of November 1, 2018 unanimously. (7 Ayes)

**5. PRESENTATIONS**

None.

**6. ACTION – FINANCIAL/NON-FINANCIAL**

**A. PAC Chair and Vice-Chair Elections for 2019**

On a motion by Bob Berman Teresa Booth was nominated as Chair for 2019, seconded by Tamer Totah. On a motion by Bob Berman Tamer Totah was nominated as Vice-Chair for 2019, seconded by Kevin McNamara.

**B. 2019 PAC Work Plan**

Cory Peterson provided a draft of the 2019 PAC Work Plan. Discussion included updates to Solano ‘Top 10 Walks’ brochure, public outreach, funding priorities, bike and ped counts, and joint BAC/PAC meeting.

On a motion by Sandra Newell, seconded by Kevin McNamara, the STA PAC approved the 2019 PAC Work Plan with the addition of Diane Dooley’s suggestion of a presentation on the effects of global warming on transportation.

**7. INFORMATIONAL ITEMS – DISCUSSION**

**A. 2019 Pedestrian Safety Workshops – OTS Grant**

Karin Bloesch mentioned an Office of Traffic Safety (OTS) grant of \$85,000 was awarded to the STA to host three community pedestrian safety workshops. The first workshop will be in February 2019 in Fairfield, the next in Vallejo, and the last workshop is tentative. Mrs. Bloesch invited the PAC members to be involved in these workshops and asked members to provide potential topics to be addressed, ideas or feedback.

Mrs. Bloesch provided a fact sheet that shows Solano County is ranked #12 in collisions statewide and #2 in California for pedestrians under 15 vs. vehicle collisions. Tamer Totah asked what year the statistics are from. Mrs. Bloesch answered the Statewide Integrated Traffic Records System (SWITRS) statistics are from 2015 and the Solano Safe Routes to School (Solano SR2S) Program will have access to updated CrossRoads Software with real time data.

**B. Solano Active Transportation Plan: Goals and Policies**

Cory Peterson gave an overall Active Transportation Plan Update which included public outreach events and the interactive map with over 1,000 individual lines and points submitted. Mr. Peterson shared photos from the public outreach events.

Toole Design Group continues to work on the GIS data collection and existing conditions analysis, processing sidewalk mapping data into a single GIS shapefile, and producing an Existing Conditions report.



Cory Peterson provided an attachment of Proposed ATP Goals and Policies which included Solano Countywide existing goals and policies of the Bicycle Transportation Plan, Pedestrian Transportation Plan, and the Safe Routes to Transit Plan and a general plan from each city. Mr. Peterson stated that Solano County general plan will be added. The STA Countywide Bicycle Transportation, Pedestrian Transportation, and Safe Routes to Transit Plans, along with General Plans from each local jurisdiction, were reviewed and compared with the Shasta Regional Transportation Agency's GoShasta Regional Active Transportation Plan and the Contra Costa Transportation Authority's Countywide Bicycle and Pedestrian Plan.

Recommended values and goals included access, equity, health and safety, quality of life, environmental stewardship, collaboration and invest in our values. Bob Berman commented about adding sustainability to values and goals. Mr. Berman added that the access goal would best be broken into two goals of connection to transit and key destinations and that climate change should be added.

Diane Dooley asked who would adopt the ATP Policies and suggested to identify target audience. Cory Peterson stated new goals and policies would be adopted Countywide and each city would have their own chapter with current general plans. Mr. Peterson stated terminology of high level goals and policies would be simplified for a general understanding for the public.

Sam Kumar commented that key destinations are different and tailored for each city. Cory Peterson stated the general plan is the guiding comprehensive document for every city and will not overrule the County plan. Jason Riley asked how the BAC and PAC committees will utilize the ATP policies. Cory Peterson answered the policies will help rank and prioritize projects by the committees, will help STA and city staff understand best practices for resources and where projects are needed.

Kevin McNamara, Bob Berman and Tamer Totah suggested adding recreational walking and biking trails to the values and goals under the quality of life category. Cory Peterson agreed that recreational walking and biking should be added to the policies.

Diane Dooley asked about the funding aspect. Cory Peterson stated One Bay Area Grant (OBAG) are federal funds administered by Metropolitan Transportation Commission (MTC). Projects that relate to the needs of the public is a factor in grants and the ATP outreach is helping to determine what those needs are.

#### **8. COMMITTEE MEMBER COMMENTS AND FUTURE AGENDA TOPICS**

Kevin McNamara mentioned America Walks, an organization that promotes walking access that provides webinars similar to PAC discussion topics. Tamer Totah suggested pedestrian safety topic regarding driverless automobiles.

#### **9. ADJOURNMENT**

The STA PAC meeting adjourned at approximately 7:45 p.m. The next scheduled meeting of the STA PAC is **Thursday, February 7, 2019.**

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**PEDESTRIAN ADVISORY COMMITTEE (PAC)  
Minutes for the Meeting of  
February 7, 2019**

**1. CALL TO ORDER/INTRODUCTIONS/ CONFIRM QUORUM**

The meeting of the STA's Pedestrian Advisory Committee (PAC) was called to order by PAC member Kevin McNamara at 6:00 p.m. at the STA in Conference Room 1.

**PAC Members Present:**

Bob Berman	Bay Area Ridge Trail
Kevin McNamara	City of Rio Vista
Sandra Newell	City of Dixon
Diane Dooley	City of Benicia
Victor Anes	Member at Large
Aaron Trudeau (Pending)	City of Suisun City

**PAC Members Absent:**

Joseph Joyce	County of Solano
Marilyn Royse	City of Vacaville
Tamer Totah, <i>Vice – Chair</i>	City of Fairfield
Teresa Booth, <i>Chair</i>	City of Vallejo

**Others Present:**

Sam Kumar	City of Vallejo
Jason Riley	Solano County
Nicole Braddock	Land Trust
Corey Beavers	City of Fairfield

**STA Staff Present:**

Cory Peterson	STA
Karin Bloesch	STA
April Wells	STA
Robert Guerrero	STA

**2. APPROVAL OF AGENDA**

With a motion from Bob Berman and a second from Sandy Newell, the PAC unanimously approved the Agenda. (5 Ayes)

**3. OPPORTUNITY FOR PUBLIC & STAFF COMMENTS**

**A. Top 10 Walks and Hikes Pictures**

Cory Peterson mentioned upcoming new STA website and asked PAC members to take photographs while they are out in their cities to be potentially added to the new website as well as the updated Top 10 Walks and Hikes brochures. Mr. Peterson introduced Aaron Trudeau, new PAC member representing City of Suisun City.

#### 4. **CONSENT CALENDAR**

Approve the following consent item in one motion.

##### A. **Minutes of the STA PAC Meeting of December 6, 2018**

The PAC minutes of December 6, 2018 will be approved at next meeting with a quorum.

#### 5. **PRESENTATIONS**

##### A. **Solano Land Trust Activities**

Nicole Braddock provided Solano Land Trust brochures and publications. Solano Land Trust is an advocate for healthy people and communities, school kids, outdoor classrooms, healthy and natural environments, fresh local food, agricultural heritage and the spaces (land) in between Solano County cities. Ms. Braddock's presentation focused on trails and their development. Trails discussed included Lynch Canyon, Jepson Prairie, Rockville Trails and Rush Ranch. She explained the Solano Land Trust's comprehensive Campaign of \$25M to provide access for all people and a healthy natural environment and to protect land for the next generation. Solano Land Trust is in the process of hiring staff and assembling a Low Mobility Access Advisory Group. **Cory Peterson will provide Nicole Braddock's presentation to PAC members through email.**

##### B. **Priority Development Areas**

Cory Peterson presented on Priority Development Areas and Priority Conservation Areas, explaining what PDA and PCA represents, the identified areas in the county, and why each are important to Solano. Benicia, Fairfield, Rio Vista and Suisun City have completed PDA plans as well as a PCA plan for the County. Many projects resulted in high quality pedestrian infrastructure that has enhanced Solano's downtown areas. STA is creating a Land Use Chapter to assess the status of Solano County's PDAs and measure the amount of housing and job growth within them and to develop a set of strategies/projects that will help further the progress of Solano's PDAs. The Chapter is expected to be completed around July 2019. STA is also working with MTC to set aside portion of Housing Incentive Pool program for Solano's PDA implementation. Mr. Peterson also informed the PAC why these projects are important for each member stating that the PAC and BAC helps to set priority projects to then receive funding and also allocates TDA Article 3 which can help fund projects in PDAs. **Cory Peterson will provide his presentation to PAC members through email.**

#### 6. **ACTION – FINANCIAL/NON-FINANCIAL**

None.

## 7. INFORMATIONAL ITEMS – DISCUSSION

### A. FY 19-20 to FY 21-22 Funding Priorities

Cory Peterson provided a FY 19-20 to 21-22 Priority Projects List document that lists projects that represent the previous priority project lists set by the BAC and PAC, priorities set by the One Bay Area Grant (OBAG) 2 process, and recent projects that have applied for grant funding. Projects that were recommended by STA as top priority were discussed (Vallejo's Bay Trail/Vine Trail Gap Closure, Fairfield's West Texas St Road Diet, Vacaville's Ulatis Creek Trail, and Vallejo's Downtown Streetscape Phase 4 Project). Mr. Peterson stated that STA staff will have a finalized list for recommendation in April 2019 and will be discussed at the next PAC Meeting of April 4, 2019.

**Bob Berman asked for a reader's digest version of the projects. Cory Peterson stated he will create a summary of each project. Robert Guerrero suggested adding a map to the list. Mr. Guerrero added that visits are made to the priority projects and encouraged PAC members to join in Spring 2019. He also suggested each PAC member to join Cory Peterson when he meets with their city to discuss priority projects. The Rockville Park and Rockville Trail were discussed and it was decided to add these projects to the list.**

### B. Solano Active Transportation Plan Update

Cory Peterson mentioned Solano ATP tasks that have been completed or will be complete soon, specifically the first round of public outreach, countywide bike facilities and sidewalks mapping, and drafts of existing conditions reports. Toole is currently in the analysis phase working on Demand Analysis and Attractor/Generator Analysis for the County-wide portion of the project. **PAC members asked Cory Peterson for a copy of the report.**

### C. Pedestrian and Bicycle Counter Program Annual Report

Cory Peterson stated that STA staff, in coordination with member agency staff members, has deployed automated counters at 12 locations in the last three years (2015-2017). Over 110,000 trips were detected. Counters were actively in use for over 1,000 full days. In 2018, the counters were used at 5 locations, on Lopes Road in Fairfield, on Curtola Pkwy in Vallejo, and on the Mare Island Causeway in Vallejo. STA is planning to work with the member agencies in the coming months to develop new bicycle and pedestrian count locations for 2019. These may include locations for before/after counts (buffered bike lane on Lopes Rd in Fairfield, or the green bike lanes on Rehrmann Drive in Dixon), grant applications, or other needs of member agencies as they arise.

### D. Pedestrian Symposium De-Brief

Cory Peterson informed the PAC members of the Pedestrian Symposium on Wednesday, February 6, 2019 and that Solano County has the second highest collision rate in California for pedestrians under fifteen years old. Karin Bloesch mentioned public works directors/staff, planning staff, Solano County staff, Solano Public Health, and law enforcement participated in the symposium. Presentations consisted of a grandmother who had lost her grandson in Sacramento and runs an organization to stop hit and run drivers. The story and presentation helped to

humanize the impact of the data. DKS associates presented data from the safety plan of collisions. Solano Public Health presented on hot-spot areas, low income areas, equity issues, diabetes/health issues and how it all relates. The symposium concluded with comment cards and feedback at round tables to discuss and address solutions to the problems countywide. Solutions that were discussed included education with students and building safety habits, education with drivers, maintenance for line of sight and potholes, and research of traffic patterns with use of GPS apps. Next steps for STA are to identify next cities for four smaller workshops.

Aaron Trudeau added that the information was shocking but not surprising that Solano has the second highest collision rate in California for pedestrians under fifteen years old. Mr. Trudeau also mentioned the effectiveness of the roundtables where infrastructure was discussed. Jason Riley asked if the grant was written specifically for pedestrians only and suggested using “bike/ped” to reach more of the public. Mr. Riley added he appreciated how health and infrastructure are related to pedestrian issues.

**Cory Peterson/Karin Bloesch to send collision data to PAC members.**

**8. COMMITTEE MEMBER COMMENTS AND FUTURE AGENDA TOPICS**

Bob Berman mentioned an overnight hike in Napa sponsored by Bay Area Ridge Trail in May 2019. The hike is fully supported with equipment and meals and PAC members who are interested should contact Bob Berman.

**9. ADJOURNMENT**

The STA PAC meeting adjourned at 7:40 p.m. The next scheduled meeting of the STA PAC is **Thursday, April 4, 2019.**



DATE: March 22, 2019  
TO: STA BAC  
FROM: Robert Guerrero, STA Planning Director  
RE: Plan Bay Area 2050 Call for Projects

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**Background:**

The Solano Transportation Authority is responsible for coordinating with the Metropolitan Transportation Commission (MTC) and Caltrans to develop the Regional Transportation Plan (RTP) for the Bay Area every four years. The RTP a long range transportation plan that forecasts future transportation needs. As required by California Senate Bill 375, the RTP also includes a component that promotes sustainable communities and provides policies to reduce greenhouse gas emissions. Another important aspect of the RTP is that it is the required regional planning document for programming federal funds.

The last RTP, called the Plan Bay Area 2040, was completed in 2017. In early 2018, MTC begun to lay the ground work for the next RTP update by starting the Horizon's initiative process. This process has multiple goals, but the primary goal is to get public input early in the RTP planning process. Their approach included an extensive process with the following components:

1. Guiding Principles
2. Future Scenarios
3. Identification of Transformative Projects
4. Perspective Papers that identify specific challenges associated with that topic (e.g. jobs growth, climate adaptation, housing production, autonomous vehicles, etc.)

Further detail on the Horizon's Initiative can be viewed on the following weblink:

<https://mtc.ca.gov/our-work/plans-projects/horizon>

Over the next several months, MTC will be transitioning from their Horizon's Initiative to the RTP development. This will include forecasting transportation revenue for each county and identifying transportation projects beyond the transformative projects submitted through the Horizon's Initiative.

**Discussion:**

Previously, Solano County was forecasted to have \$1.6 billion in State Transportation Improvement Program (STIP) Funds, Congestion Mitigation Air Quality (CMAQ) Improvement Program and other potential transportation revenue sources. The new estimate of \$2.4 billion in available transportation funds for Solano County was provided by MTC recently for the next

RTP. The new estimate includes an additional 10 years from the previous RTP, from 2040 to 2050 and is subject to change. STA staff will work with MTC to determine the revenue forecast methodology and will inform the STA Board as new information becomes available.

Three transformative projects were submitted by the STA for consideration as part of the Horizon's Initiative process:

- 1) SR 37 Corridor Resiliency Project (submitted in coordination with MTC)
- 2) Solano I-80 Express Lane Implementation
- 3) Hwy 12 (including Rio Vista Bridge Replacement)

The complete list of submitted transformative projects is included as Attachment A. It has not been made clear as to how the transformative projects would be included in the RTP, specifically regarding whether or not these projects will need to be included as part of the traditional RTP county share. Despite the unknown, STA staff recommends issuing a call at this time for projects utilizing the current project list from the 2040 RTP as a starting point (Attachment B). STA staff will continue to work with MTC to determine how the transformative projects will be integrated in the county share process in parallel to our call for projects process. The call for projects is required to be open to member agencies and the public. A MTC sponsored workshop was held in Solano in March and will be followed by an STA sponsored public input event likely in April or May. Details on the STA public event is still to be determined. The deadline for project submittals to MTC is June 30<sup>th</sup>. PAC members are encouraged to attend the public workshop and stay engaged in the process.

**Fiscal Impact:**

None at this time.

**Recommendation:**

Informational.

Attachments:




- A. MTC Transformative Projects Submittal
- B. Solano County 2040 RTP Project List



# PROJECT PERFORMANCE ASSESSMENT

## Attachment C: Index of Transformative Projects & Strategies Submitted

*Project names may have been updated slightly since submission. Incomplete submissions were omitted from this list. Not all projects shown met the criteria for the Transformative Projects competition.*

Transformative Projects	
 <b>Aerial</b>	<ul style="list-style-type: none"> <li>Aerial Tram Lines (San Francisco to North Bay and East Bay)</li> <li>Air Shuttle Network (Livermore to Central Valley)</li> <li>BART First/Last Mile Gondola Services</li> <li>Drone Delivery Network</li> <li>Dumbarton Gondola Line</li> <li>Electric Vertical Take Off and Landing Aircraft and Ports</li> <li>Flying Car Transit Network</li> <li>Mountain View International Airport</li> <li>Oakland/Alameda Gondola Network</li> <li>Regional Helicopter Network</li> </ul>
 <b>Autonomous Technologies</b>	<ul style="list-style-type: none"> <li>Automated Bus and Rail Service + Frequency Increase</li> <li>Autonomous TNC Service in Urban Areas</li> <li>AV Shuttle Circulators</li> <li>AV Shuttle System</li> <li>AV Shuttle System for BART Station Areas</li> <li><b>Benicia Autonomous Bus Network</b></li> <li>Contra Costa Autonomous Shuttle Program</li> <li>I-80 Corridor Overhaul</li> <li>Mountain View AV Shuttle System</li> </ul>
 <b>BART</b>	<ul style="list-style-type: none"> <li>AV Shuttles at Rockridge and 12th St BART Stations</li> <li>BART Evening Frequency Increase</li> <li>BART Extension from Civic Center to Ocean Beach</li> <li>BART Extension from E. Santa Clara to Eastridge Transit Center</li> <li>BART Extension from Santa Clara to Tasman Drive</li> <li>BART Extension from Hayward to Millbrae</li> <li>BART Extension from Millbrae to San Jose (x4)</li> <li>BART Extension from Millbrae to Santa Clara</li> <li>BART Extension from Milpitas to Martinez (via I-680)</li> <li>BART Extension from Milpitas to Redwood City</li> <li>BART Extension from Richmond to Concord</li> <li>BART Extension from San Jose to Millbrae + Peninsula/South Bay LRT + AV Shuttle Network</li> <li>BART Extension from Union City to Millbrae (via Dumbarton Bridge)</li> <li>BART Extension from Union City to Millbrae (via San Mateo Bridge)</li> <li>BART Extension to Cupertino</li> <li>BART Extension to Gilroy</li> <li>BART Extension to Los Gatos + Monorail from Los Gatos to Santa Cruz</li> <li>BART Extensions to San Rafael, Sunset District, San Mateo, Piedmont, and Martinez</li> <li>BART Extension to Solano County</li> <li>BART Extensions to Vacaville, Mill Valley, and Mountain View</li> <li>BART Fare Reductions + BART Safety Program + BART Express Trains</li> <li>BART Oakland Airport Connector Extension to Oakland Hills, Lake Merritt, and Alameda</li> <li>BART to Livermore</li> <li>BART Transfer Station in Oakland West of I-880 + SoMa BART</li> <li>Caltrain Conversion to BART Technology</li> <li>Coliseum Station Redesign</li> </ul>

**Transformative Projects**

Dublin/Pleasanton BART to Stockton with DMU  
 eBART from Antioch to Brentwood with DMU  
 BART Extensions in Lieu of Caltrain & LRT Expansion  
 High-Speed Transit for 580 Corridor  
 HOV/T Lane Conversion to BART Lines  
 I-680 BART (Walnut Creek to Dublin/Pleasanton) (x2)  
 South Bay BART Extensions in Freeway Medians + Quadruple Track Existing System

Alameda County Trail Expansion  
 Bay Area Bicycle Superhighways  
 Bay Trail Completion  
 Bicycle Highways  
 Bike Lanes on All Bridges  
 Bike Network Policy and Planning Improvements to Prepare for an Autonomous Future  
 Bikes/e-Bikes/e-Scooters at Bus Stops  
 Caldecott Tunnel Bike Path  
 Conversion of Auto Lanes to Non-Motorized Facilities  
 East Bay Greenway  
 Food Desert Bicycle Network Improvements  
 Low-Stress Contra Costa Bicycle Network  
 Oakland-Alameda Bike-Ped Bridge and Estuary Boat Shuttles  
 Parking Conversion to Bike Lanes  
 Protected Bike Lanes along Major Roads and Freeways  
 Regional Bicycle Network (x2)  
 Regional Complete Streets Program  
 Regional Network of Moving Walkways  
 Regional Protected Bikeway Network  
 Safe Routes for All 9-County Bay Area Trail Network  
 San Francisco Bicycle Network  
 San Francisco Complete Streets Program  
 Santa Clara County Bicycle Superhighway Network  
 Sonoma County Bicycle Network  
 Special Lanes for Bikes/Pedestrians



**Bicycle & Pedestrian**

15-Minute Headway Network + High Density Coverage Network  
 24/7/365 Bus Service + Frequent Bus Network (x2)  
 AC Transit Rapid Network  
 Alameda County BRT Network + CV Corridors  
 Bridge Contraflow Lanes for Express Bus  
 BRT along I-80 from East Solano to SF  
 BRT on 19th Ave/Park Presidio/Lombard BRT  
 BRT on All Bridges  
 BRT Transfer Hubs  
 Bus Service Frequency Improvements  
 Bus Lanes on Freeways/Highways  
 Buses on Dedicated Lanes between Capitol Corridor and BART stations  
 Commuter Bus and Rideshare Infrastructure Improvements along US-101  
 Comprehensive Regional Bus Service  
 Detachable Pods for Buses  
 Dumbarton Express Frequency Improvements  
 Fixed-Route Bus Eliminate in Lieu of TNC-like Transportation  
 Express Bus Lines to Multi-Employer Job Centers  
 Express Bus Network to Business Parks  
 I-680 Bus Lanes + BRT  
 Integrated Regional Paratransit Network  
 Livermore-to-BART Shuttle Bus



**Bus**

## Transformative Projects

More Private-Sector Bus Services  
 Muni Skip-Stop Bus Service  
 Peak-Period I-80 Express Bus Line + GP-to-Bus Lane Conversion (Bay Bridge to Vallejo)  
 Rapid Bus from CSU East Bay to Hayward BART  
 Regional Bus Network Replacement for Rail Systems  
 Regionwide Bus to BART Services + HOV/T Conversion to Bus-Only Lanes  
 Surface Transit Prioritization  
 SR-92 BRT (x2)  
 Regional Bus Network for Rail Gap Closures  
 Transbay Bus Expansion  
 Transit Service Expansion with COC Focus  
 Transportation in Transit-Limited Areas to Support Food Sector  
 US 101 Bus Lanes  
 US-101 Express Bus Network + Bus Lanes + SFO Intermodal Terminal  
 US-101 North Bay Peak Period Bus Lanes  
 ZEV Public Mini Buses



ACE Expansion  
 Caltrain Business Plan  
 Caltrain Enhanced Blended System  
 Caltrain Extension to Salinas  
 Caltrain Grade Separations  
 Capitol Corridor Frequency Improvements  
 Commuter Rail Lines to Inland Cities + Megaregional Parking Garages  
 Commuter Rail Transit Service to Low-Density Parts of North Bay  
 Diridon Station Improvements  
 DMU from Richmond to Vallejo/Napa  
 Dumbarton Rail (x2)  
 Dumbarton Rail Link between Redwood City and Fremont  
 Electromagnetic Rail  
 Elevation of Entire Caltrain Corridor  
 I-80 Rail Line (San Francisco to Vacaville)  
 Megaregional Rail Network  
 New Commuter Rail Line (Livermore to San Mateo)  
 New Commuter Rail Line (Redwood City to Stockton)  
 Rail Frequency Increase  
 Reorienting existing rail services into a new service pattern  
 SMART / Capitol Corridor Connection at Parkchester/Richmond  
 SMART Extension to Richmond (x4)  
 SMART Extensions to Canal District & San Anselmo  
 SMART Extension to Ukiah  
 South Bay Rail Loop through Megaregion  
 South Bay Highway Capacity Reduction + Median Rail Lines  
 Underwater Amtrak Line  
 Urban Rail Along Existing Highway Corridors and Bridges



Express Lane Network Capacity Increase (Dual Lanes)  
 FAST Bay Area (Optimized Express Lane Network + TDM Strategies)  
 Highways to Heaven (Optimized Tolling, PlusWays, Regional Bus Network, etc.)  
 HOV/T Lane Conversions to GP Lanes  
 I-280 HOT Lanes + Express Bus (San Francisco to San Jose)  
 I-580 Altamont Pass HOV Lanes  
 Open Express/HOV Lanes for GP Use During Non-Peak  
 San Francisco GP-to-HOT Conversion Program  
 Solano County Express Lanes

## Transformative Projects



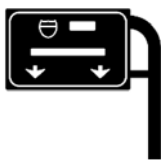
Ferry

100 MPH Ferry Service between SF/Oakland and Delta Communities  
 Amphibious Transit to Support Existing Ferry Network  
 Auto Ferry Network  
 Autonomous Electric Mini-Ferry Network  
 Autonomous Mini-Ferry Network  
 Delta Ferry Network  
 Ferry Frequency Increases  
 Ferry Service Expansion in South Bay (x3)  
 Hayward-San Francisco Ferry  
 Hovercraft and Other Aquatic Vehicles  
 Hovercraft Network + Non-Commute Travel Ban in Peak + Local Freight Rail Depots  
 Hydrofoil Ferry Network  
 Larkspur-Albany Ferry  
 Private Mini-Ferry Network  
 San Jose-San Francisco Ferry (x2)



Freight

Alameda County Freight Rail Improvements  
 Auto-Loaded Truck Transport Network  
 I-80/I-580 Truck Lanes + Rail Extensions to Communities of Concern  
 Next-Generation Electric Regional Rail Network on Freight & Highway ROW  
 Preparing Freight System for an Autonomous Future  
 Stockton Freight Distribution Hub



Highways

3rd Bore Tunnel between Oakland and Alameda AI-Powered Sleds on Freeways  
 Bay Bridge Contraflow Lane  
 Bay Bridge West Span Improvements (x2)  
 Congestion Reduction Project  
 Congestion Relief Project (x2)  
 Cross-Bay Highway Tunnel (US-101 to I-238)  
 Direct Road Link between Dumbarton Bridge and 101/Embarcadero/Oregon Expressway  
 Double Deck US-101  
 Double-Deck Freeway Network + HSR to Brentwood, Davis, etc. + New Local Airports  
 Double-Deck Freeways (x5)  
 Double-Deck Freeways + Solar Roadways  
 Downtown San Jose Interchange Consolidation  
 Elevated Causeway over SR37 between Vallejo and Novato  
 Express Tunnels Beneath Existing Freeways  
 Freeway Shoulder Conversion to Added Capacity + HOV/T to GP Conversion + Toll Automation  
 Highway 101 Tunnel in Downtown San Rafael  
 Highway 25/101 Interchange Improvements  
 Highway Tunnel between I-80 and I-280 in San Francisco  
 HOV Lane Removal  
 I-5 Widening  
 I-5 Widening in San Joaquin County  
 I-580 + I-680 Corridor Enhancements  
 Major Arterial Conversion to Expressway Network  
 Motorcycle Lanes on Highways  
 New Bay Bridge  
 New Highway Designs  
 New On/Off Ramp for I-680 at Grimmer  
 New Ramp Construction on Freeways  
 Posey & Webster Tube Replacements  
 Redevelopment of I-980 Corridor (x3)  
 Regional Freeway Cap Program  
 Regionwide Highway Widening  
 Reversible Lanes on I-680/Sunol Grade

## Transformative Projects

Richmond-San Rafael Bridge Replacement  
 Rush Hour Traffic Reduction Program  
 San Francisco Bay Highway (San Rafael to San Jose)  
 San Francisco Bay Highway (SR-37 to San Jose)  
 San Francisco Bay Highway (Yerba Buena Island to San Jose)  
 San Jose-Watsonville Freeway  
 Shoulder Conversions to GP Lanes  
 Silicon Valley Double-Deck Freeways  
 Skinny Motorcycle / Three-Wheeler lanes  
 Small-Vehicle Overpasses across Major Roads and Train Tracks  
 South Bay Bridge (Fremont to Mountain View) + Connector Roadways  
 South San Francisco-Marin Tunnel + Underground Downtown San Francisco Interchange  
**SR-12 Rio Vista Bridge Replacement**  
**SR-12 Widening**  
 SR-130 Freeway (San Jose to Patterson) (x3)  
 SR-152 Tollway  
 SR-239 Freeway + M-580  
 SR-262 Freeway  
 SR-87 Tunnel  
 SR-92 Widening  
 Toll Roads + Double-Deck Freeways  
 Trail Network Conversion to AV Road Network in Contra Costa County  
 US-101/I-880 Interchange Improvements  
 US-101/SR-92 Congestion Reduction Project  
 US-101/I-280 Freeway Capping  
 US-101 Relief Arterial in East Palo Alto  
 US-101 Widening for Express Bypass Lanes (SR-237 to SR-85)  
 US-101/Dumbarton Bridge Southern Connector






**High Speed  
 Rail and  
 Hyperloop**

5 Hubs HSR Connections  
 Cancellation of California HSR  
 Elevated HSR Lines (US-101, I-880, I-680)  
 High Speed Rail Line from Altamont Pass to SFTC  
 HSR Relocation to US-101 Median  
 Hyperloop between Silicon Valley and San Francisco via BART ROW  
 North Bay HSR (Santa Rosa to San Francisco)  
 Regional Hyperloop Network



**Light Rail  
 (LRT)**

Downtown San Jose LRT Bypass  
 Free Shuttles to VTA Light Rail  
 Freeway Lane Conversion to LRT  
 Fremont-Newark LRT  
 Geary LRT  
 Geneva-Harney LRT  
 I-680 LRT (Martinez to Dublin)  
 Key System 2.0 (x2)  
 Light Rail Lines on the Dumbarton and Richmond-San Rafael Bridges  
 Matrix Transit System  
 Muni Metro Extensions to Daly City & SFO  
 Muni Metro Extension to South San Francisco Ferry Terminal  
 Muni Metro Extension to West Oakland  
 Muni Metro Southwest Subway  
 Regional Arterial Streetcar Network + BART Lines on All Highways  
 SkyTrain from SJC Airport to Santana Row/Valley Fair  
 South San Francisco Light Rail  
 Underground Subway in San Francisco + High Speed Rail to Oakland

Transformative Projects	
	VTA Light Rail Subway (Downtown San Jose) VTA Light Rail Subway (North San Jose) VTA Light Rail Systemwide Elevation VTA LRT Automation VTA LRT Express Services VTA LRT Extension to Santa Cruz + HOV/T to Ramp Conversion VTA LRT Extension to Watsonville
 Monorail and Personal Rapid Transit (PRT)	Autonomous Electric Pod Transport Capitol Corridor Monorail Line Group Rapid Transit (GRT) High-Speed PRT Network Freeway Monorail Lines Monorail from San Francisco to Sacramento Monorail Tube Network (Peninsula, East Bay, and North Bay) Regional Monorail Network Personal AV Transit Podway Personal Mass Transit Network Self-Powered Personal Pods on a Regional Rail Network PRT Network Single-Track Monorail Feeder Transit Lines South Bay PRT Network
 Rail (Other)	All-Express Rail System Auto Carts on Abandoned Rail Tracks Caltrain Grade Separations in Santa Clara County Construction of Rail Ringing the Bay Expansion of BART and Caltrain Fleets High-Frequency Commuter Rail Line between Fremont & San Jose High-Speed Link between San Francisco and San Jose Airports Megaregional Rail Network NYC-Style Subway Network in Bay Area Rail Corridor Trench (Oakland to Fremont) Santa Cruz-Los Gatos Rail Line South Bay Rapid Rail Network SR-37 Rail State Rail Plan Improvements (Central Bay) State Rail Plan Improvements (North Bay) State Rail Plan Improvements (Transbay) Statewide Mass Transit Projects Stevens Creek Rail Line (x2) Tubular Rail Lines Underground All Rail Lines
 Resilience	BART Caldecott Tunnel Retrofit Embarcadero Seawall Flood Control Barrier under SR-84 Highway Elevation Projects for SLR Marin Highways & Roads SLR Adaptation Program South Bay Sponge SR-37 Widening + Resilience Project Tidal Management in South Bay and High Speed Rail

**Transformative Projects**








**Transbay Crossings**







- Commuter Rail Bay Crossing from Oakland to Redwood City via Dumbarton Bridge
- Dual-Gauge Second Transbay Tube
- MacArthur to Transbay Terminal BART
- Mid-Bay Bridge
- Multimodal Bay Crossing
- Rail/Auto Bridge from SFO to OAK
- Reduced-Depth Second Transbay Tube + Geary BART
- Second BART Transbay (MacArthur to San Francisco)
- Second BART Transbay Tube (Oakland to Outer Richmond)
- Second Transbay Tube (BART) (x2)
- Second Transbay Tube (BART + Commuter Rail)
- Second Transbay Tube (BART + Caltrain + HSR)
- Second Transbay Tube for Bus, BART, and Commuter Rail
- South Bay Floating Ferry Terminal with East/West Aerial Trams to Shores
- Southern Crossing Bridge (Highway + BART) (x2)
- Southern Crossing Bridge (I-380 to I-880) (x2)
- Southern Crossing/ Butterfly Bridge (I-280 to I-880)
- Standard-Gauge Rail Tunnel in Transbay Corridor
- Transbay Aerial Connection between Millbrae and San Leandro/Hayward
- Transbay BART lines along East Bay/San Francisco Shorelines
- Transbay Crossing - BART on San Mateo Bridge (Hayward to Hillsdale)
- Transbay Crossing - BART on San Mateo Bridge (Bay Fair to SFO)
- Transbay Crossing - Bridge + BART from Alameda Island to Mission Bay
- Transbay Crossing - Southern Link Bridge
- Transbay Crossing - Alameda Naval Air Station to Cezar Chavez
- Transbay Crossing - I-380 to Hegenberger Road
- Transbay Rail Tunnel from Marin SMART to Richmond Amtrak/BART
- Transbay Rail Tunnel from Salesforce Center via Treasure Island to Berkeley/Richmond
- Transbay Rail Tunnel from San Francisco to Richmond

**Other**

- Central Marin Multi Modal Regional Transportation Improvements
- I-680 Multimodal Improvements
- I-80 Busway + wBART + San Pablo BRT
- Oakland Transportation Center
- Regionwide Interchange Modernization Program + BART Extension to Santa Cruz
- San Pablo Corridor BRT/Streetcar + Land Use
- South Bay Rail Network (New BART + LRT Lines)
- Transit Network Expansion

Transformative Operational Strategies	
 <b>Autonomous Technologies</b>	AV Lanes + Pricing + Supportive Infrastructure (x2) Connected Vehicle Public-Private Partnership
 <b>BART</b>	BART Line Rerouting BART Skip-Stop Service via Ad-Hoc Decoupling (x2) Forced Transfers to Reduce Number of BART Lines in Transbay Tube
 <b>Bicycle and Pedestrian</b>	Alameda County Safe Routes to School Program Competitive Grant Program for Bike Projects Decrease Asphalt Devoted to Bike Riders Electric Bicycle Distribution to All Adults Energy-Producing Sidewalks Traffic Rule Enforcement for Bicycle Riders Motorcycle, Scooter and Bike Rentals for Motorists
 <b>Carpooling</b>	Billboard Notifications about Carpool Opportunities Carpool Parking Discounts Carpool/Vanpool Ridematching Service Casual Carpooling App Casual Carpooling App + RFID Car Tags Discounted TNC Ride-Program with Government-Sourced Rate & Bidding Forced Customer Sharing between Carpool Apps HOV3+ Lanes on Bay Bridge Jitney and Shared Taxi Permits Ridematching + Carpooling Program (x2) Rideshare Program App Ridesharing App for People Working in Same Area Single Customer TNC Trips Ban in Carpool Lanes TNC/Robotaxi Passenger Occupancy Feebate Various Robotaxi Policies
 <b>Controls &amp; Regulations</b>	Auto Ban in Cities + Remote Parking Facilities Ban TNCs Carbon Friendly Behavior Rewards Program App Controlled Balanced Growth Law to Limit Commutes to 5 Miles Maximum Driving Restrictions Based on License Plates Driving Tests for Non-Bay Area Natives EV Mandate for TNCs, etc. Expanded Enforcement of Safe Driving Highway Timeslot Allocation Requirement Mandatory Auto Commute Permit Process Mandatory Freeway Trip Reservation Policy Non-AV Restriction on Highways Once-a-Week Driving Restriction Rebates for Motorcycle Purchase Regional Drone Regulations Self-Flying Car Mandate Vehicle Decrease Policy Vehicle Replacement Program to Shift to MaaS



Transformative Operational Strategies	
 <p><b>Employer Policies &amp; Telecommute</b></p>	<p>24-Hour Work Day (x2)                      80% Telecommute Requirement + Redevelopment of Office Buildings                      Alternate Business Hours + Telecommute Program                      Telecommuting, Telework, Telemedicine, and Distance Learning Incentives                      Incentives for Worker Productivity Growth + Tax Credits for Short-Distance Commuters                      Mandatory Once-a-Week Telecommute Policy                      Staggered Work Start Times                      Subsidies for Home Workstations                      Tax Breaks for Employer Telecommute Policies                      Tax Incentives for Private Employer Buses                      Tax Incentives for Telecommuting and TDM Policies                      Tax Incentives for Work from Home on One Day Each Week                      Tax Rebates for Telecommuting                      Telecommuting Subsidy                      Telecommuting Tax Credits (x2)                      Telecommuting Tax Incentives for Employers (x2)                      Tool to Design Work Schedules for Employees</p>
 <p><b>Express Lanes</b></p>	<p>Higher-Occupancy HOV Lanes                      HOV/T Lane Barriers                      HOV/T Lane Conversion to GP</p>
 <p><b>Freight</b></p>	<p>Ban on Trucks During Rush Hours                      Ban on Truck Deliveries in Downtowns during Peak Hours                      Financial Incentives for Freight Delivery in Off-Peak Hours                      Truck Delivery Time Nighttime Mandate</p>
 <p><b>Governance</b></p>	<p>Caltrain/BART System Integration                      Immigration Crackdown on Bay Area Transit                      Integrated Regional Fare, Service and Branding                      Increased Regional Leadership                      Increased Transfer Discounts + Inland Rail Extensions                      Regional Transit Integration/Consolidation (x5)                      Single Funding Agency for All Bay Area Transit                      Sub-Regional TMA Funding                      Transit Federation</p>
 <p><b>Highways</b></p>	<p>Eliminate Signal Lights on Ramps and Cloverleaf Ramps                      Every Lane a Carpool Lane                      Metering Lights Elimination                      New Park-and-Ride Lots on Freeway Corridors                      Regional Wildlife Crossings &amp; Habitat Preservation Program                      Reversible Lanes on Congested Bridges and Freeways                      Pothole Repairs                      Self-Propelled Freeways + Reversible Lanes</p>
 <p><b>Parking</b></p>	<p>App for Parking Space Notifications                      Automated Ferris Wheel-Style Parking                      Automated Parking Systems for Rail &amp; Ferry Stations                      Citywide Paid Parking in San Francisco                      Elimination of Free Employer Parking and Incentives for Environmentally-Friendly Modes                      Large Free Parking Garages near BART and Train Stations                      Parking Lot Conversion to Parking Garages                      Parking Lots in Job-Rich Cities</p>

## Transformative Operational Strategies



**Pricing**

- \$/mile charge for all Transit Users, regardless of system
- Alameda County Student Transit Pass Program
- Bay Bridge Toll Plaza Removal
- County-Based Progressive Tolling Implementation
- Demand-Based Tolls on All Highways & Bridges
- Elimination of Regressive Tolls on Bridges/Tunnels
- Free Transit (x4)
- Integrated Transit Fare Program
- Means-Based Fare Program (x2)
- Monetary Incentives to Change Behavior
- Online Transit Marketplace
- Pay-As-You-Drive Insurance & Fair Value Commuting (FVC)
- Payroll Tax Replacement for Tolls & Sales Taxes
- Peninsula Peak-Period Cordon Toll
- Pricing of All Highway/Expressway Lanes
- Public Transit Rewards Program (x2)
- Replacement of Bridge Toll Booths with Cameras
- Toll for City Roads based on VMT and Time of Day / Limited Free Miles on Transit
- Toll Plaza Elimination Program
- Universal Basic Income for Transportation
- VMT Pricing on All Lanes
- VMT Tax + Transit Expansion + Behavior Rewards Program



**Traffic Operations**

- 55-MPH Speed Limit during Peak Hours
- AI Traffic Cameras for Dynamic Signal Timing
- Artificial Intelligence for Traffic Signals
- Auto Yield Requirements for Public Transit
- Ban on Left-Turns in San Francisco
- Bus-Only Lanes on All Freeways
- Differentiated Speed Limits by Lane
- Dynamic Bridge Approach Lane Management
- Elimination Right Turn on Red
- Flexible ROW Arterial Network
- Flow Maximization on Arterials Parallel to Highways
- HOV Lane Hours Modification + Lane Drop Design Changes
- Improved Signage for Construction Lane Closures
- Lane Barriers to Prevent Excessive Switching
- Lane Swap for Right-Side-Running HOV Facilities
- Management of Traffic Lights
- Minimum Speed Signage
- Reversible Lanes on Freeways
- Reversible Lanes on Most Congested Freeways
- Santa Clara County Roundabout Construction Program
- Skinny Car Lanes
- Synchronized Acceleration Strategy



**Transit**

- Dynamically-Routed Bus Network
- Prefabricated Subway Construction Modules
- Retail Construction in Transit Stations (x2)
- Sensor-based Technology Improvements in Transit
- Transit Stations in Freeway Airspaces
- Transit System Synchronization
- Unified Regional Bus Network + Service Expansion
- Zero-Emission Bus Infrastructure

**Other**

- Affordable Childcare Centers
- App/Phone service to Plan Journeys end-to-end



## Transformative Operational Strategies

BART Station Area Office Permitting Reforms  
Community-Focused Transit Station & Bike/Ped Programming  
Commute Time Reduction Project  
Complete Street Projects (1 Per County)  
Demand-Based Traffic Lights and Traffic Circles  
Distributed Job Centers  
Distributed Semi-Rural Communities (x2)  
Dorm-style and Pod Housing in Empty Buildings for Commuters  
Hotel Stay Vouchers for One Weeknight with Major Hotel Participation  
Housing Development in "Big 3" Cities  
Integrated Transportation + Land Use Planning Authority  
Local Consensus-Based Decision-Making  
Mental Health Improvements  
Pollution Reduction Program  
Regional Land Use Authority + 24-Hour Work Schedules  
Requests for More Federal Funding  
RV Park Creation  
Seamless App-Based Mobility  
Software to Manage Office Buildings and Shuffle Employees to Change Commutes  
Tax Incentives for Distributed Job Centers  
Tax Incentives for Office Park Development in Housing-Rich Suburbs  
Transit Value Capture Program  
Use of Contracting Process to Raise Funds for Green Infrastructure Projects  
Upzoning of BART/Caltrain Station Areas  
Work-Live Centers + Subsidized Childcare

2017 STA Regional Transportation Plan Priority Project Submittal

Project Title	Requested Regional Funds (MTC calculated Year of Expenditure) (Thousands of dollars)	Committed Funds (Thousands of dollars)	Total Cost (Thousands of dollars)	In Current RTP	
I-80/I-680/SR-12 Interchange, Construction Package 1 <b>(under construction)</b>	0	578,000	578,000	Yes	Major Projects and Studies
Express Lane System Conversion/Expansion	<b>Regionally funded</b>	--	--	Yes	
I-80/I-680/SR-12 Interchange, Construction Package 2-7	375,620	220,000	595,620	No	
Westbound Truck Scales	210,000	0	210,000	No	
Jepson Parkway	85,000	144,000	229,000	Yes	
Fairgrounds Access Improvements, including Redwood Drive	3,000	93,000	96,000	Yes	
MLIP Implementation	183,000			No	
I-80 Auxiliary Lanes in Fairfield	57,000	0	57,000	Yes	
Fairfield/Vacaville Intermodal Station (AHSC grant application facilities)	12,100	0	12,100	Yes	
Vallejo Station Parking Structure Phase B	30,000	0	30,000	Yes	
SR 37 Sea Level Rise and Congestion Mitigation Pilot Program	1,500	800,000	810,000 ***	No	
Expand Bicycle and Pedestrian Facilities	6,000	0 *	6,000 **	Yes	Programmatic Categories
Enhance and Rehabilitate Bicycle and Pedestrian Facilities	2,000	0 *	2,000 **	Yes	
Lifeline Transit Services	75,000	0 *	75,000 **	Yes	
Senior and Persons with Disabilities Transit (non-Lifeline)	38,000	0 *	38,000 **	Yes	
Parkway Blvd Overcrossing	10,000	0 *	10,000 **	No	
Maintain State Highways in Solano County	29,000	0 *	29,000 **	Yes	
Implement Safety Projects on State Highways	2,000	0 *	2,000 **	Yes	
Enhance State Highways (soundwalls, landscaping, SOHIP)	1,000	0 *	1,000 **	Yes	
Rehabilitate Local Bridges	1,000	0 *	1,000 **	Yes	
Implement local climate change programs/projects	4,000	0 *	4,000 **	Yes	
Implement local rideshare and vanpool measures	19,000	0 *	19,000 **	Yes	
Implement Solano SR2S	15,000	0 *	15,000 **	Yes	

Project Title	Requested Regional Funds (MTC calculated Year of Expenditure) (Thousands of dollars)	Committed Funds (Thousands of dollars)	Total Cost (Thousands of dollars)	In Current RTP	
Local and CMA Planning, including PDA and PCA Planning	12,900	500	13,400	Yes	
Implement SR 12 Corridor Study	58,000	0	900,000	No	
Implement SR 113 Corridor Study	58,000	0	325,000	No	
Widen Railroad Avenue, SR 37 to G Street	Locally funded	--	5,000	Yes	Local Projects
American Canyon Road Overcrossing	Locally funded	--	12,000	Yes	
Improve I-505/Vaca Valley Parkway	Locally funded	--	2,000	Yes	
Widen and Improve Peterson Road	Locally funded	--	2,000	Yes	
Lagoon Valley Road Interchange	Locally funded	--	10,000	Yes	
Local Streets and Roads O&M	576,000		1,165,000 **	Yes	
Mare Island Straight Dredging				No	
<b>TOTAL</b>	<b>1,864,120</b>	<b>1,846,500</b>	<b>3,309,120</b>		

\* Does not include current program operations; only those from 2017 through 2040. Project or program may be eligible for OBAG or other fund sources that have not yet been committed.

\*\* Project costs based upon current Plan Bay Area Final Project List.

\*\*\* Four CMAs will contribute a total of \$10 million for initial project design funds.

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DATE: March 19, 2019  
TO: STA BAC  
FROM: Robert Guerrero, Director of Planning  
RE: PDA & PCA Re-Assessments

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**Background:**

The Solano Transportation Authority (STA) and its member agencies have identified opportunity areas called Priority Development Areas (PDA) to prioritize housing and job growth in each city near transit locations. In addition, locations in the unincorporated area were identified as opportunity sites for agricultural preservation, open space and/or farm to market locations called Priority Conservation Areas (PCA). Solano County initially had 8 PDAs and 5 PCAs in 2008. These were selected by the cities and County of Solano and formally approved by the Association of Bay Area Governments (ABAG) for future focused planning and implementation. Since then, Solano County has increased these to 13 PDAs through a similar selection process by the cities.

The significance of PDAs and PCAs for the STA is that transportation funding was prioritized for those locations since the first federal One Bay Area Grant (OBAG) cycle in 2013. Solano County was required to program 50% of the county OBAG share (approximately \$10 million) within PDAs with a separate allocation of \$2 million for PCAs. This funding requirement and amounts carried over into OBAG 2 and will likely be similar in the 2022-23 OBAG 3 cycle.

With a greater focus at the regional and state level on housing and job production, the implementation of PDAs, and potentially future PCAs, will be affected by the CASA Compact recommendations and strategies identified in MTC's Regional Growth Strategies Perspective Paper.

**Discussion:**

As part of their Horizons initiative, the Metropolitan Transportation Commission (MTC) recently released their Regional Growth Strategies paper. The paper was completed as part of a series of perspective papers to inform MTC Commissioners and ABAG representatives as part of their Horizons Initiative. The Regional Growth Strategies introduce three framework concepts to support the implementation and focused growth in PDAs:

1. Concept A: Double Down on PDAs
2. Concept B: PDA Plus
3. Concept C: Expanded Footprint (Lagoon Valley was cited as a potential new growth area)

Details on each concept are included between page 33 and 37 in the Regional Growth Strategies Perspective Paper which can also be downloaded from the following link:

[https://mtc.ca.gov/sites/default/files/Horz\\_Perspective3\\_022719.pdf](https://mtc.ca.gov/sites/default/files/Horz_Perspective3_022719.pdf)

Each concept will have potential financial implications for future transportation investments. STA staff will work with the Planning Directors and a working group of local agency staff to develop comments which will be brought back to the TAC and Board at the April 24<sup>th</sup> and May 8<sup>th</sup> meetings respectively.

Lastly, MTC and ABAG are working in parallel to update PDA and PCA designations. In addition, they are going to introduce Priority Production Areas (PPA) as part of the Employment Growth Perspective Paper anticipated in the next few months. Although the specific process is still to be determined, MTC anticipates updates to the PDA, PCA and PPAs will begin shortly with intent letters by the cities/county due in August. Final approvals are anticipated in December of this year. STA staff will continue to monitor this and inform the STA TAC and Solano County Planning Directors Group as information becomes available, as well as the PAC as appropriate.

**Fiscal Impact:**

None at this time.

**Recommendation:**

Informational.





DATE: April 12, 2019  
TO: STA BAC & PAC  
FROM: Cory Peterson, Planning Assistant  
RE: Transportation Development Act Article 3 (TDA-3) Fiscal Year (FY) 2019-20  
Funding Recommendations

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**Background:**

Transportation Development Act (TDA) funds are generated from a ¼ cent tax on retail sales throughout California. Two percent of the TDA funding generated is returned to each county in which it was generated in the form of TDA Article 3 (TDA-3) funds for bicycle and pedestrian projects. STA works with the Metropolitan Transportation Commission (MTC) to administer the TDA funds. MTC typically provides fund estimates each February, July, and October/November.

The Solano Transportation Authority (STA) works with member agency staff each spring to fund bicycle and pedestrian projects for the upcoming fiscal year, based on MTC's fund estimates. TDA-3 funding requests are reviewed by the Bicycle Advisory Committee (BAC), and the Pedestrian Advisory Committee (PAC). Recommendations are sent to the Technical Advisory Committee (TAC) and ultimately approved by the STA Board of Directors. Funds must be spent within three fiscal years.

**Discussion:**

The TDA-3 FY 2019-20 preliminary fund estimate from MTC is \$407,804, bringing the total amount of programmable funds to approximately \$603,920. This amount includes carry over funds from previous fiscal years. Based on funding priorities, STA staff recommends funding the following projects:

1. Green Valley Rd Ridge Trail Crossing (City of Fairfield)
  - A. The City of Fairfield seeks \$201,000 to install a crosswalk on Green Valley Road where it intersects the Bay Area Ridge Trail Class I pathway, near the intersection of Westlake Drive. Currently, no marked, safe crosswalk exists and serves as a barrier to those walking along the Class I path. The City proposes to install a crosswalk with ADA compliant ramps, warning signs (such as Rectangular Rapid Flashing Beacons), and an additional section of Class I trail, less than 100' in length. The City is also exploring the possibility of constructing additional ADA compliant ramps as part of this project where the Class I Ridge Trail paths meets other streets in the Green Valley area, however, this portion of the cost will be borne by the City. Construction will occur in either summer 2019 or 2020, depending on additional ramps added to the scope.

2. ATP Cycle 2 SR2S Infrastructure Improvements (City of Vallejo)
  - A. The City of Vallejo is seeking \$245,920 to fill a shortfall in construction funds to install high-visibility crosswalks, sidewalks, pedestrian beacon lighting, countdown heads, and refreshing pavement markings around 2 schools in Vallejo: Cooper Elementary and Lincoln Elementary. The City of Vallejo will be providing the remaining funds to fill the shortfall, projected to be \$600,000. Construction is expected to begin in summer 2019.
  
3. ATP Cycle 2 SR2S Infrastructure Improvements (City of Benicia)
  - A. The City of Benicia is seeking \$100,000 to augment the scope of their portion of the ATP Cycle 2 SR2S Infrastructure by adding Rectangular Rapid Flashing Beacons (RRFBs) to crosswalk improvements being made at 5 schools in Benicia: Benicia Middle, Robert Semple Elementary, Joe Henderson Elementary, Mary Farmer Elementary, and St. Dominic's Elementary. Construction is expected to begin summer 2019.
  
4. STA Safe Routes to School Program Micro-Grants and Education/Outreach
  - A. STA's Safe Routes to School Program is seeking \$57,000 to conduct a Micro Grant program (\$37,000), and continue their education and outreach efforts countywide (\$20,000). The Micro-Grant program will support small-scale SR2S projects that encourage bike and pedestrian usage and improves safety around schools. Examples could be (but are not limited to): bike racks, safety related signage, green paint for bike lanes, etc. The SR2S Program will also use the \$20,000 to continue their existing education and outreach programs to encourage school age kids to bike and walk countywide.

These projects have been discussed at the Solano Project Delivery Working Group (PDWG), along with an overall list of projects in Solano County seeking funding. Attachment B includes a list of bike and pedestrian projects seeking funding. The list contains PAC and BAC priority projects, OBAG Cycle 2 priorities, ATP grant applications, and others. Staff is recommending the BAC and PAC forward a recommendation to adopt this list of projects as a funding strategy for Fiscal Years 2019-20 through 2021-22. The list may be modified to reflect any potential new projects that result from the completion of the Solano Active Transportation Plan, scheduled for adoption in January 2020.

**Fiscal Impact:**

There is approximately \$603,920 in TDA Article 3 funding available to be programmed for FY 2019-20. Approval of this item would allocate \$201,000 to the City of Fairfield for their Green Valley Rd Ridge Trail Crossing Project, \$245,920 to the City of Vallejo for the ATP Cycle 2 SR2S Infrastructure Improvements, \$100,000 to the City of Benicia for their ATP Cycle 2 SR2S Infrastructure Improvements, and \$57,000 to STA's SR2S Program for their Micro-Grant Program and Education/Outreach. The Micro Grant program will begin implementation later this year.

**Recommendation:**

Forward a recommendation to the TAC and STA Board to approve the following requests for TDA Article 3 funds for Fiscal Year 2019-20:

1. Approve \$201,000 for the City of Fairfield's Green Valley Rd Ridge Trail Crossing Project;
2. Approve \$245,920 for the City of Vallejo ATP Cycle 2 SR2S Infrastructure Improvements;
3. Approve \$100,000 for the City of Benicia's ATP Cycle 2 SR2S Infrastructure Improvements;
4. Approve \$57,000 for STA's SR2S Program Micro-Grant and Education/Outreach

Attachments:

- A. TDA-3 Fund Status
- B. STA Funding Strategy & Priority Projects for Active Transportation for FY 19-20 through 21-22

<b>FY 19-20 TDA Article 3 Fund Status</b>			
FY 19-20 Estimated Revenue			\$407,804
Carryover from previous years			\$227,901
Total			\$635,705
5% contingency			\$31,785
<b>FY 19-20 Available for Programming</b>			<b>\$603,920</b>
19-20	SR2S Infrastructure Project Benicia	City of Benicia	\$100,000
19-20	Green Valley Rd Ridge Trail Crossing	City of Fairfield	\$201,000
19-20	SR2S Micro-Grants & Education/Outreach	STA	\$57,000
19-20	SR2S Infrastructure Project Vallejo	City of Vallejo	\$245,920
<b>19-20 TOTAL</b>			<b>\$603,920</b>
<b>19-20 Estimated Remaining Balance</b>			<b>\$0</b>

Updated based on MTC's revenue forecasts

Includes unspent funds from previous projects, and un-allocated funds from 18-19

Accounts for possible adjustments in actual sales tax revenue

# STA Funding Strategy & Priority Projects for Active Transportation

## Fully Funded Projects

Sponsor	Project Name	Total Cost	Funded	Shortfall	Potential Funding Source	Project Status	Notes
Benicia	Park Road	\$5,200,000	\$5,200,000	\$0	N/A	CON anticipated 2021	OBAG2 CMAQ funded.
Fairfield	Grange Middle	\$260,000	\$260,000	\$0	N/A	CON by 2020 (simultaneous with E. Tabor)	OBAG2 CMAQ funded.
Rio Vista	Front Street	\$195,000	\$195,000	\$0	N/A	Project Complete	CAF funded.
Rio Vista	Montezuma Hills Rd Bike/Ped Path	\$100,000	\$100,000	\$0	N/A	CON in Summer 2020	CAF and HSIP funded
Fairfield	East Tabor Avenue Crossing	\$1,700,000	\$1,700,000	\$0	N/A	CON by 2020	ATP Cycle 3 funded.
Solano County	Suisun Valley Farm to Market Project Phase IV	\$3,030,000	\$3,030,000	\$0	N/A	PS&E	SB1 funded.
Suisun City	McCoy Creek Trail - Phase II	\$4,200,000	\$4,200,000	\$0	N/A	ENV Clearance anticipated May 2019	ATP Cycle 3 funded.
Fairfield	West Texas Gateway	\$3,666,000	\$3,666,000	\$0	N/A	CON in Fall 2019	TIRCP funded.
Solano County	Fairgrounds Drive Bus Stop and Ped Improvements	\$2,500,000	\$2,500,000	\$0	N/A	CON anticipated Summer 2020	TIRCP funded.
County / Dixon	Vaca - Dixon Phase 6 (Porter Road)	\$500,000	\$500,000	\$0	N/A	CON Anticipated Summer 2019	CAF & TDA-3 funded.
Vallejo	Sonoma Blvd Road Diet	\$365,068	\$365,068	\$0	N/A	Currently out for bid	HSIP funded
Benicia / Vallejo	SR25 Benicia & Vallejo Joint Project	\$2,667,000	\$2,667,000	\$0			
Vacaville	I-505 / Vaca Valley - ATP Portion	\$14,500,000	\$4,057,000	\$0	N/A	CON anticipated 2021	OBAG2 CMAQ funds received.
Fairfield	HSIP Cycle 9 Pedestrian Crossing Enhancements	\$1,348,100	\$1,348,100	\$0	N/A	CON expected 2021	5 locations. HSIP Cycle 9 funded. City funded \$121,000 match.
Vallejo	HSIP Cycle 9 HAWK and RRFB Installations	\$1,551,800	\$1,551,800	\$0	N/A	CON expected 2021	11 locations. HSIP funded.
Benicia	RRFB Pedestrian Improvements	\$259,100	\$259,100	\$0	N/A	CON expected 2021	2 intersections. HSIP Cycle 9 funded. City funded \$9,000 match.
Rio Vista	HSIP Cycle 9 Enhanced Pedestrian Crossings	\$249,100	\$249,100	\$0	N/A	CON expected 2021	4 locations. HSIP Cycle 9
Suisun City	RRFB Pedestrian Improvements	\$248,100	\$248,100	\$0	N/A	CON expected 2021	3 locations. HSIP Cycle 9
Vacaville	RRFB Pedestrian Improvements	\$226,100	\$226,100	\$0	N/A	CON expected 2022	2 locations. HSIP Cycle 9

Last Updated: 12/2018

Priority Tier 1
Priority Tier 2
Priority Tier 3
Fully Funded

## STA-Identified Priority Projects

Projects were chosen based on their project status/readiness and whether or not STA has already invested money into the project.

Sponsor	Project Name	Total Cost	Funded	Shortfall	Potential Funding Source	Project Status	Notes
Vallejo	Bay Trail / Vine Trail	\$6,500,000	\$5,128,000	\$1,372,000	RM 3, TDA-3	35% Design	ATP Cycle 3 funds received.
Vallejo	Vallejo Downtown Streetscape Phase IV	\$1,300,000	\$1,300,000	\$0	TDA-3	CON anticipated Fall 2019	OBAG2 CMAQ funds received. Phase IV CON has not started -- rebidding.
Fairfield	West Texas St Complete Streets Project	\$9,200,000	\$1,394,000	\$7,806,000	TDA-3, TFCA	N/A	OBAG2 funds received. Applied for ATP Cycle 4
Vacaville	Ulatis Creek Bike Path	\$2,500,000	\$0	\$2,500,000	I-80 Express Lanes, ATP Cycle 5, CAF	N/A	

## Unfunded Projects

Sponsor	Project Name	Total Cost	Funded	Shortfall	Potential Funding Source	Project Status	Notes
Vacaville	Elmira Road Bike Path	\$815,000	\$0	\$815,000	CAF	N/A	
Dixon	South First Street Corridor Study - Chestnut Street / South First Street Traffic Signal	\$235,000	\$0	\$235,000		N/A	Potentially funded by developers.
Dixon	South First Street Corridor Study - South First Street / Valley Glen Drive Traffic Signal	\$235,000	\$0	\$235,000		N/A	Potentially funded by developers.
Fairfield	Green Valley Road Crossing Project	\$180,000	\$0	\$180,000	TDA-3	N/A	
Rio Vista	Airport Road and St. Francis Way Bicycle and Pedestrian Improvements	\$1,450,000	\$0	\$1,450,000	CAF	N/A	Applied for ATP Cycle 4.
Suisun City	Lotz Way Pedestrian & Bicycle Path	\$2,500,000	\$0	\$2,500,000	TFCA, ATP Cycle 5	N/A	
Benicia	Benicia Urban Waterfront Improvements	\$2,687,000	\$0	\$2,687,000		N/A	
Dixon	Downtown Streetscape Project Phase 4	\$1,000,000	\$0	\$1,000,000		N/A	
Dixon	Pond A Accessibility Project Phase 1	\$350,000	\$0	\$350,000	TDA-3	N/A	
Dixon	Pond A Accessibility Project Phase 2	\$350,000	\$0	\$350,000		N/A	
Dixon	Pond C Accessibility Project	\$700,000	\$0	\$700,000		N/A	
Vallejo	Vallejo Bluffs Connector Trail Project	\$8,500,000	\$500,000	\$7,200,000	RM 3	N/A	Applied for ATP Cycle 4.
Fairfield	Fairfield to Vacaville Intercity Gap Closure	\$700,000	\$0	\$700,000		N/A	





DATE: April 12, 2019  
TO: STA BAC & PAC  
FROM: Triana Crighton, Planning Assistant  
RE: Bay Area Air Quality Management District (BAAQMD) Transportation  
Fund for Clean Air (TFCA) Fiscal Year (FY) 2019-20 County Program  
Manager Funds

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**Background:**

The Bay Area Air Quality Management District's (BAAQMD) Transportation Fund for Clean Air (TFCA) is collected from a \$4 fee on all vehicle registrations within the Air District's boundaries. 60% of these funds are applied to the TFCA Regional Program, which is administered by BAAQMD. The remaining 40% is distributed to each Bay Area county Congestion Management Agency (CMA), and is called County Program Manager Funds.

BAAQMD, in coordination with the CMA's, establishes TFCA policies for both programs annually. Eligible TFCA projects are those that reduce air pollution from motor vehicles, such as clean air vehicles and infrastructure, carpools/vanpools, shuttle bus services, bicycle projects, and alternative mode promotional/educational projects. The TFCA County Program Manager Funds available for Solano County projects in FY 2019-20 is estimated to be \$345,995.

Southwestern portions of Solano County are eligible to apply for these funds. This area includes the cities of Benicia, Fairfield, Suisun City, and Vallejo, as well as the surrounding unincorporated areas. The Yolo-Solano Air Quality Management District provides similar funding (i.e. Clean Air Funds through a different process) for the remaining cities of Dixon, Rio Vista, Vacaville, and the surrounding unincorporated areas.

All eligible projects must meet cost effectiveness requirements related to the amount of emission reductions, and must submit monitoring reports twice a year. Past projects funded through the TFCA program include Class I and II bike facilities, Solano Mobility, and Safe Routes to School projects. STA staff aims to identify projects that align well with the goals of both BAAQMD and STA.

**Discussion:**

At the January 9<sup>th</sup> Board Meeting, the STA Board approved a funding allocation of \$196,000 of FY 2019-20 TFCA funds for the Solano Mobility Program. These Rideshare and Employer Incentives programs are a cost effective and successful program in terms of air emission reduction benefits as calculated through BAAQMD's TFCA program. It also remains a priority program for the STA Board to reduce congestion and to promote the use of travel alternatives in Solano County. Benefits of the program include marketing and promotion of commute alternatives through transit brochure distribution, vanpool formations, bicycle and pedestrian education, employer programs, marketing events, and incentive campaigns. Due to an excess of TFCA funds from prior years, STA staff recommends to reduce the Board approved amount to \$95,445 for the program in this cycle of funding.

The STA Board, along with approving the funding for Solano Mobility, approved opening a Call for Projects for the remainder of the STA Program Manager funds. The Call for Projects was announced January 24<sup>th</sup> and closed on February 22<sup>nd</sup>, 2019. STA received a total of five applications (Attachment A). Applications were received from Cal Maritime, Travis Air Force Base (TAFB), City of Suisun City and the City of Vallejo.

STA staff met with Cal Maritime University during the Call for Projects window to discuss potential funding opportunities. Cal Maritime was recently approved for the PG&E Charge Network and requested \$31,050 of TFCA funds to use as a “match” to the costs of the PG&E work. PG&E will be installing 27 Electric Vehicle (EV) chargers on the Cal Maritime campus. Additionally, Cal Maritime requested \$38,069 in funds to purchase an EV Van and \$20,500 for an Electric Sedan. However, due to the Cost-Effectiveness threshold mandated by BAAQMD, funding vehicles is difficult. In total, Cal Maritime requested \$78,619.

The TAFB met with STA staff to discuss their goal towards installing 100 EV chargers on their base – to be phased out over a few years. The Travis AFB is currently doing research to EV usage and adoption on the base – estimating 150 active users with this number is expected to grow as charging facilities are made readily available. STA staff recommends providing Travis Air Force Base with \$120,000 to be used as a match to their own contribution of \$200,000.

City of Suisun City applied for a traffic calming project near Crystal Middle School, this would include the installation of Rectangular Rapid Flashing Beacons (RRFB) at an existing crosswalk which fronts the Crystal Middle School’s main entrance to the school grounds. The project scope will also include modifying and upgrading the curb ramps (on each side of said crosswalk) and two nearby curb ramps to American with Disabilities Act (ADA) compliant curb ramps; curb bulbouts; upgrading the crosswalk to a high visibility crosswalk; and installing advance warning signs. For this project, Suisun City requested a \$99,500.

City of Vallejo applied for funds to implement a variety of bike safety improvements to improve conflict areas. These improvements include sharrows, signage, and restriping, amounting in a total request of \$130,000. STA staff was unable to recommend the City of Vallejo an amount of funding that the city felt comfortable proceeding with.

These projects and allocations have been reviewed by Solano County’s BAAQMD representatives. When choosing the projects and allocations, STA staff considered the overall cost-effectiveness and potential to reduce greenhouse gas emissions. From the Call for Projects, STA staff recommends allocating \$31,050 for the Cal Maritime EV charging stations, \$120,000 for Travis Air Force Base’s EV charging stations, and \$99,500 for Suisun’s Crystal Middle School Traffic Calming project.

The projects have been brought to the April TAC and will be brought to the May Board for approval.

**Fiscal Impact:**

The total funding amount requested for the TFCA County Program Manager funds was a total \$508,000 -- STA has \$345,995 available the FY 2019-20.

**Recommendation:**

None.



Attachments:

- A. TFCA Funding Recommendation Spreadsheet

**DRAFT**

Bay Area Air Quality Management District  
 Transportation Funds for Clean Air Applications 2019  
 Solano County

<b>ALTERNATIVE FUEL INFRASTRUCTURE</b>						
	<b>Applicant</b>	<b>Project</b>	<b>Cost-Effectiveness (\$/ton)</b>	<b>Matching Funds</b>	<b>Funding Requested</b>	<b>Recommended Funding</b>
1	Cal Maritime	Install 27 EV Chargers on the Cal Maritime Campus	\$70,321	\$160,000.00	\$31,050.00	\$31,050.00
2	Travis Air Force Base	Install additional chargers in the County Building Parking Garage				\$120,000.00
<b>SUB TOTAL</b>					<b>\$31,050.00</b>	<b>\$151,050.00</b>
<b>ALTERNATIVE FUEL LIGHT-DUTY VEHICLES</b>						
	<b>Applicant</b>	<b>Project</b>	<b>Cost-Effectiveness (\$/ton)</b>	<b>Matching Funds</b>	<b>Funding Requested</b>	<b>Recommended Funding</b>
2	Cal Maritime	Electric Van to for athletics team transport, student events, field trips, etc. This van will alleviate the need to rent single use vans from our local car rental agency		\$15,000.00	\$27,069.00	\$0.00
3	Cal Maritime	Electric Sedan for community outreach activities and to visit sponsors.		\$15,000.00	\$20,500.00	\$0.00
<b>SUB TOTAL</b>					<b>\$47,569.00</b>	<b>\$0.00</b>
<b>EXISTING RIDESHARING SERVICES</b>						
	<b>Applicant</b>	<b>Project</b>	<b>Cost-Effectiveness (\$/ton)</b>	<b>Matching Funds</b>	<b>Funding Requested</b>	<b>Recommended Funding</b>
4	Solano Transportation Authority	Funds will support the Solano Mobility Program, including the call centers, employer incentives programs, and mobility programs.	\$95,643	\$0.00	\$196,000.00	\$95,445.00
<b>SUB TOTAL</b>					<b>\$196,000.00</b>	<b>\$95,445.00</b>
<b>BICYCLE PROJECTS</b>						
	<b>Applicant</b>	<b>Project</b>	<b>Cost-Effectiveness (\$/ton)</b>	<b>Matching Funds</b>	<b>Funding Requested</b>	<b>Recommended Funding</b>
5	City of Vallejo	Citywide Bicycle safety improvements such as sharrows, signage, bike brochures, etc.		\$0.00	\$130,000.00	\$ -
<b>SUB TOTAL</b>					<b>\$130,000.00</b>	<b>\$0.00</b>
<b>SMART GROWTH/TRAFFIC CALMING</b>						
	<b>Applicant</b>	<b>Project</b>	<b>Cost-Effectiveness (\$/ton)</b>	<b>Matching Funds</b>	<b>Funding Requested</b>	<b>Recommended Funding</b>
6	City of Suisun City	Install rectangular rapid flashing beacons (RRFB) at an existing crosswalk which fronts the Crystal Middle School's main entrance to the school grounds. The project scope will also include modifying and upgrading the curb ramps (on each side of said crosswalk) and two nearby curb ramps to ADA-compliant curb ramps; curb bulbouts; upgrading the crosswalk to a high visibility crosswalk; and installing advance warning signs.	\$116,668	\$0.00	\$99,500.00	\$ 99,500.00
<b>SUB TOTAL</b>					<b>\$99,500.00</b>	<b>\$ 99,500.00</b>
<b>TOTAL</b>					<b>\$388,000.00</b>	<b>\$345,995.00</b>
<b>TOTAL AVAILABLE</b>					<b>\$345,995.00</b>	<b>REMAINING BALANCE \$0.00</b>



DATE: April 12, 2019  
TO: STA BAC & PAC  
FROM: Triana Crighton, Planning Assistant  
RE: Yolo-Solano Air Quality Management District (YSAQMD) Clean Air Funds (CAF) Fiscal Year (FY) 2019-20

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**Background:**

The Yolo Solano Air Quality Management District (YSAQMD) provides funding for projects that reduce motor vehicle air pollution in the Yolo Solano Air Basin through the YSAQMD Clean Air Funds program. Funding for this program is collected through a \$4 fee on all motor vehicle registrations within the Air District's boundaries, as well as a special property tax assessed on Solano County properties located in the YSAQMD. YSAQMD administers the grant program, and partners with STA to create a joint application screening committee to recommend funding for projects in Solano County.

The Solano County communities eligible to apply for YSAQMD Clean Air Funds are the Cities of Dixon, Rio Vista, and Vacaville, as well as the eastern half of unincorporated Solano County. Applications are distributed and collected by the YSAQMD for projects in both Solano and Yolo counties. STA and YSAQMD staff jointly review the applications for Solano County projects, and together, make a recommendation to a screening committee. The screening committee recommendations are forwarded to the YSAQMD Board for final action. For the FY 19-20, there was \$340,000 in Clean Air Funds available.

Five applications were submitted for funding:

- 1) City of Rio Vista – 1980 Case 80C Tractor Replacement
- 2) River Delta Unified School District – Vehicle Replacement (Truck/Tractor)
- 3) Solano County – Timms Road Bike Improvements
- 4) Rio Vista Delta Breeze – Rio Vista Bus Shelter
- 5) Solano Transportation Authority – Solano SR2S Mico-Grant Program

**Discussion:**

The Solano Clean Air Funds Application Review Committee met on Wednesday, April 17th to review the application requests and the staff recommendation. Committee participants include; Donald Roos of Rio Vista, Dilenna Harris of Vacaville, and John Vasquez of Solano County. All five applicants took the opportunity to present a short introduction to the Committee and be available to answer follow-up questions.

STA and YSAQMD staff provided a joint staff recommendation to the Committee (Attachment A) which gives the committee a starting point. The committee came to consensus on to approve the funding as recommended. The recommendation will go on to the YSAQMD Board at their June 2017 meeting for adoption.

**Fiscal Impact:**

No direct impact to the STA budget. Should the committee recommendation be approved by the

YSAQMD Board, STA will receive, and program through a funding agreement \$60,000 to provide funds towards the SR2S Micro-Grant Pilot Program for Eastern Solano schools.

**Recommendation:**

None – Informational.

Attachments:

- A. CAF Funding Spreadsheet

Yolo-Solano AQMD  
Clean Air Funds Applications 2019-20  
Solano County

<b>CLEAN TECHNOLOGY</b>					
	<b>Applicant</b>	<b>Project</b>	<b>Matching Funds</b>	<b>Funding Requested</b>	<b>Recommended Funding</b>
1	City of Rio Vista	1980 Case 80C Tractor Replacement	\$7,770.00	\$70,000.00	\$45,000
2	Delta River Unified School District	Fleet Replacement	\$16,000.00	\$124,000.00	\$60,000
<b>SUB TOTAL</b>				<b>\$194,000.00</b>	<b>\$105,000</b>
<b>ALTERNATIVE TRANSPORTATION</b>					
	<b>Applicant</b>	<b>Project</b>	<b>Matching Funds</b>	<b>Funding Requested</b>	<b>Recommended Funding</b>
3	Solano County	Timms Road Bike Improvements	\$1,400,000.00	\$200,000.00	\$145,000.00
<b>SUB TOTAL</b>				<b>\$200,000.00</b>	<b>\$ 145,000.00</b>
<b>TRANSIT SERVICES</b>					
	<b>Applicant</b>	<b>Project</b>	<b>Matching Funds</b>	<b>Funding Requested</b>	<b>Recommended Funding</b>
4	Rio Vista Delta Breeze	Rio Vista First Bust Shelter	\$5,000.00	\$45,000.00	\$ 30,000.00
<b>SUB TOTAL</b>				<b>\$45,000.00</b>	<b>\$30,000.00</b>
<b>PUBLIC EDUCATION/ INFORMATION</b>					
	<b>Applicant</b>	<b>Project</b>	<b>Matching Funds</b>	<b>Funding Requested</b>	<b>Recommended Funding</b>
5	Solano Transportation Authority	Solano SR2S Micro-Grant Program	\$70,000.00	\$100,000.00	\$ 60,000.00
<b>SUB TOTAL</b>				<b>\$100,000.00</b>	<b>\$ 60,000.00</b>
<b>TOTAL FUNDS AVAILABLE</b>				<b>\$539,000.00</b>	<b>\$340,000.00</b>