

Meeting Agenda

Regional Advisory Working Group

Tuesday, June 9, 2020

9:35 AM

Yerba Buena - 1st Floor (REMOTE)

The Regional Advisory Working Group will meet on Tuesday, June 9, 2020 at 9:35 a.m., in the Bay Area Metro Center (Remotely). In light of Governor Newsom's State of Emergency declaration regarding the COVID-19 outbreak and in accordance with Executive Order N-29-20 issued by Governor Newsom on March 17, 2020 and the Guidance for Gatherings issued by the California Department of Public Health, the meeting will be conducted via webcast, teleconference, and Zoom for stakeholders who will participate in the meeting from individual remote locations.

The meeting webcast will be available at http://mtc.ca.gov/whats-happening/meetings

Members of the public are encouraged to participate remotely via Zoom at the following link or
phone number. Stakeholders and members of the public participating by Zoom wishing to
speak should use the "raise hand" feature or dial *9. In order to get the full Zoom experience,
please make sure your application is up to date.

Attendee Link: https://bayareametro.zoom.us/j/94614115757
iPhone One-Tap: US: +16699006833,,94614115757# or +14086380968,,94614115757#
Join by Telephone: 888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)
Webinar ID: 946 1411 5757

Detailed instructions on participating via Zoom are available at: https://mtc.ca.gov/how-provide-public-comment-board-meeting-zoom.

International numbers available: https://bayareametro.zoom.us/u/ackmb2pUIL

Members of the public may participate by phone or Zoom or may submit comments by email at info@bayareametro.gov by 5:00 p.m. the day before the scheduled meeting date. Please include the committee or board meeting name and agenda item number in the subject line. Due to the current circumstances there may be limited opportunity to address comments during the meeting. All comments received will be submitted into the record.

9:35 a.m.

1. Welcome, Introductions

Matt Maloney and Dave Vautin

9:40 a.m.

2. 20-0777 Plan Bay Area 2050 Final Blueprint Preview: Transportation Element

Update on forecasted transportation revenues and needs, as well as preliminary assignments for assumed regional discretionary funding in the

Plan Bay Area 2050 Final Blueprint.

Action: Information

Presenter: Adam Noelting, William Bacon, and Raleigh McCoy

Attachments: 02 PBA50-Final Blueprint..pdf

10:05 a.m.

3. 20-0778 Plan Bay Area 2050: Final Phase - Environmental Impact Report (EIR) and

Beyond

Highlights of the latest Plan Bay Area 2050 schedule, noting upcoming milestones related to the Final Blueprint and kicking off the Environmental

Impact Report (EIR) and Implementation Plan.

<u>Action:</u> Information

<u>Presenter:</u> Chirag Rabari

Attachments: 03 PBA2050-EIR and Beyond.pdf

10:35 a.m.

4. 20-0783 Plan Bay Area 2050: Digital Alternatives for Round 2 Public Engagement

Overview of digital alternatives to in-person public engagement activities for Plan Bay Area 2050's second round of engagement (spring/summer 2020), which focuses on obtaining public and stakeholder input on the

Plan's Draft Blueprint.

<u>Action:</u> Information
<u>Presenter:</u> Ursula Vogler

Attachments: 04 PBA50-Rev R2 Public Engagement.pdf

11:05 a.m.

5. Next Steps / Other Business / Public Comments

Stakeholders and members of the public participating by Zoom wishing to speak should use the "raise hand" feature or dial *9.

11:10 a.m.

6. Adjournment / Next Meeting

The next meeting of the Regional Advisory Working Group will be Tuesday, July 7, 2020 at 9:35 a.m. at the Bay Area Metro Center, 375 Beale Street, San Francisco, CA or remotely and by webcast as appropriate depending on the status of any shelter in place orders. Any changes to the schedule will be duly noticed to the public.

Public Comment: The public is encouraged to comment on agenda items at Committee meetings by completing a request-to-speak card (available from staff) and passing it to the Committee secretary. Public comment may be limited by any of the procedures set forth in Section 3.09 of MTC's Procedures Manual (Resolution No. 1058, Revised) if, in the chair's judgment, it is necessary to maintain the orderly flow of business.

Meeting Conduct: If this meeting is willfully interrupted or disrupted by one or more persons rendering orderly conduct of the meeting unfeasible, the Chair may order the removal of individuals who are willfully disrupting the meeting. Such individuals may be arrested. If order cannot be restored by such removal, the members of the Committee may direct that the meeting room be cleared (except for representatives of the press or other news media not participating in the disturbance), and the session may continue.

Record of Meeting: Committee meetings are recorded. Copies of recordings are available at a nominal charge, or recordings may be listened to at MTC offices by appointment. Audiocasts are maintained on MTC's Web site (mtc.ca.gov) for public review for at least one year.

Accessibility and Title VI: MTC provides services/accommodations upon request to persons with disabilities and individuals who are limited-English proficient who wish to address Commission matters. For accommodations or translations assistance, please call 415.778.6757 or 415.778.6769 for TDD/TTY. We require three working days' notice to accommodate your request.

可及性和法令第六章: MTC 根據要求向希望來委員會討論有關事宜的殘疾人士及英語有限者提供服務/方便。需要便利設施或翻譯協助者,請致電 415.778.6757 或 415.778.6769 TDD / TTY。我們要求您在三個工作日前告知,以滿足您的要求。

Acceso y el Titulo VI: La MTC puede proveer asistencia/facilitar la comunicación a las personas discapacitadas y los individuos con conocimiento limitado del inglés quienes quieran dirigirse a la Comisión. Para solicitar asistencia, por favor llame al número 415.778.6757 o al 415.778.6769 para TDD/TTY. Requerimos que solicite asistencia con tres días hábiles de anticipación para poderle proveer asistencia.

Attachments are sent to Committee members, key staff and others as appropriate. Copies will be available at the meeting.

All items on the agenda are subject to action and/or change by the Committee. Actions recommended by staff are subject to change by the Committee.



Metropolitan Transportation Commission

Legislation Details (With Text)

File #: 20-0777 Version: 1 Name:

Type: Report Status: Informational

File created: 5/5/2020 In control: Regional Advisory Working Group

On agenda: 6/9/2020 Final action:

Title: Plan Bay Area 2050 Final Blueprint Preview: Transportation Element

Update on forecasted transportation revenues and needs, as well as preliminary assignments for

assumed regional discretionary funding in the Plan Bay Area 2050 Final Blueprint.

Sponsors:

Indexes:

Code sections:

Attachments: 02 PBA50-Final Blueprint..pdf

Date Ver. Action By Action Result

Subject:

Plan Bay Area 2050 Final Blueprint Preview: Transportation Element

Update on forecasted transportation revenues and needs, as well as preliminary assignments for assumed regional discretionary funding in the Plan Bay Area 2050 Final Blueprint.

Presenter:

Adam Noelting, William Bacon, and Raleigh McCoy

Recommended Action:

Information

Attachments:

Metropolitan Transportation Commission and the Association of Bay Area Governments Regional Advisory Working Group

June 9, 2020 Agenda Item 2

Plan Bay Area 2050 Final Blueprint Preview: Transportation Element

Subject: Update on forecasted transportation revenues and needs, as well as

preliminary assignments for assumed regional discretionary funding in the

Plan Bay Area 2050 Final Blueprint.

Background: Plan Bay Area 2050 Final Blueprint Preview: Transportation Element will

be presented to the Joint MTC Planning Committee with the ABAG

Administrative Committee on June 12, 2020.

Staff will be at your June 9, 2020 meeting to discuss this report. The

Working Group's input is requested.

Attachments: Agenda Item 5a from the June 12, 2020 Joint MTC Planning Committee

with the ABAG Administrative Committee meeting

Metropolitan Transportation Commission and the Association of Bay Area Governments Joint MTC Planning Committee with the ABAG Administrative Committee

June 12, 2020 Agenda Item 5a

Plan Bay Area 2050 Final Blueprint Preview: Transportation Element

Subject:

Update on forecasted transportation revenues and needs, as well as preliminary assignments for assumed regional discretionary funding in the Plan Bay Area 2050 Final Blueprint.

Background:

Over the past seven months, staff have presented on three foundational components informing the Transportation Element of the Plan Bay Area 2050 Final Blueprint. First, the Horizon initiative explored the efficacy of strategies, as well as individual transportation projects, through Futures Planning and the Project Performance Assessment. Second, the Draft Needs and Revenue Assessment highlighted financial gaps for transportation relative to other key elements of the long-range plan. Most recently, MTC and ABAG approved analysis of the Draft Blueprint in February 2020 with a set of the highest-performing strategies.

Each of these steps has been leading towards the development of the Final Blueprint, in which financial constraints must be reconciled with the full suite of strategies, continuing to refine the individual projects incorporated within. Action items on the Transportation Element of the Final Blueprint are anticipated for July and September 2020.

Adjustments to Needs and Revenues Forecast

In December 2019, staff presented an initial 30-year forecast ranging between \$472 billion and \$544 billion in transportation revenues, with the higher end of the range *dependent on the inclusion of new revenue streams*. These forecasted revenues would be available to fund transportation investments across Plan Bay Area 2050's 30-year planning horizon. Staff also presented a summary of financial needs, totaling \$385 billion, to operate existing transit services and to maintain the region's pavement, bridge, and transit assets over the 30-year period.

In addition to integrating further refinements to these draft forecasts, staff has also adjusted near-term revenue estimates to reflect fallout from the coronavirus pandemic (COVID-19). While the extent of the unprecedented impact of COVID-19 cannot yet be known for certain, staff have revised near-term revenue forecasts, estimating \$11 billion in transportation revenue loss primarily over the next five years. Correspondingly, transit service levels are projected to experience a near-term decline of at least 6 percent in revenue vehicle-hours because of the sustained revenue impacts from COVID-19, affecting need estimates for transit operating and transit capital maintenance. **Attachments B and C** compare the forecasted transportation revenues that were shared with the committee in December 2019 alongside the refined transportation revenue forecast. Additional breakdowns of financial needs are included in **Attachment A**.

Prioritizing Major Projects Using Project Performance and Commitment Letters While a shortlist of high-performing projects were integrated into the Draft Blueprint strategies – from core capacity improvements to new bus rapid transit lines – staff identified performance challenges in terms of cost-effectiveness, alignment with the adopted Guiding Principles, and support for equitable outcomes. The results of this analysis were published as part of the Project Performance Assessment this winter, as shown in **Attachment D**, and project sponsors were asked to submit tangible policy commitments or scope revisions to address these issues by April 2020.

Staff have worked to prioritize projects for inclusion into the Final Blueprint strategies, which will weave together the investments that have the strongest blend of performance outcomes with policy and funding commitments. Ultimately, these refined strategies will help create an integrated network of investments with supportive public policies to advance more sustainable and equitable outcomes. Additional information on staff recommendations on a project-by-project basis can be found in **Attachment** E, with projects rated as "Include", "Consider", or "Exclude" in terms of status in the Final Blueprint. Projects that are fully funded with local revenues are also indicated; these projects would advance to the Final Blueprint dependent on Plan progress toward the SB 375 GHG reduction mandate and other regional goals.

Issues:

(1) Prioritizing Transportation Strategies Through Regional Trade-Off Discussions
Plan Bay Area 2050 is statutorily required to be fiscally-constrained, meaning the
final set of transportation strategies must not exceed forecasted transportation
revenues. Analyses show that the investments needed to maintain the existing
transportation systems already consume a large share of the total future revenues,
with known funding for operations and maintenance falling short of the projected
costs. The reduction in forecasted transportation revenues increases these operations
and maintenance funding shortfalls and intensifies the challenge of meeting the SB
375 mandated greenhouse gas emissions reduction target while maintaining fiscal
constraint.

Ultimately, this means that trade-offs will be required, weighing the appropriate strategies and investment levels. **Attachment F** lays out a high-level initial concept, building upon the Draft Blueprint strategies with a set of Final Blueprint strategies that integrate projects with sufficient policy commitments. Staff will continue to refine this concept while working to determine which "Consider" projects can be included in the Final Blueprint this summer, with decisions informed by the Draft Blueprint's progress on critical climate and equity goals.

(2) Impacts of COVID-19 on Near-Term Transportation Projects
New to Plan Bay Area 2050, the forecasted transportation revo

New to Plan Bay Area 2050, the forecasted transportation revenues have been separated into two 15-year periods—revenues generated from 2021 through 2035 ("Period 1") and revenues generated from 2036 to 2050 ("Period 2"). Expenditures must be fiscally-constrained within these two 15-year periods to better align investments with forecasted future revenues. Before the onset of COVID-19, revenues available in Period 1 (2021 to 2035) were already not sufficient to meet every funding request; the economic fallout from COVID-19 is expected to further reduce revenues available in the near-term. With more revenues projected to be available in Period 2, it is likely that some projects that would have otherwise been implemented in Period 1 will be pushed back into Period 2 to meet fiscal constraint requirements.

Page 3 of 3

Next Steps: Outcomes from the analysis of the Draft Blueprint will be shared publicly and with

the committees in July. This analysis will highlight successes and shortcomings of the Draft Blueprint with regard to critical climate and equity goals, among others, which will further inform refinements to all Blueprint strategies, including the concept for the Final Blueprint presented this month. Staff will ask for the joint committees' direction on key questions related to the Transportation Element, with final action on all aspects of the Final Blueprint slated for September 2020 following public and

stakeholder engagement.

Recommendation: Information

Attachments: Attachment A: Presentation

Attachment B: Revised Transportation Revenue Forecast – Summary Attachment C: Revised Transportation Revenue Forecast – Detail

Attachment D: Project Performance Assessment Findings (January 2020)

Attachment E: Initial Staff Recommendations on Major Projects

Attachment F: Initial Concept for Final Blueprint (Transportation Element)

Therese W. McMillan



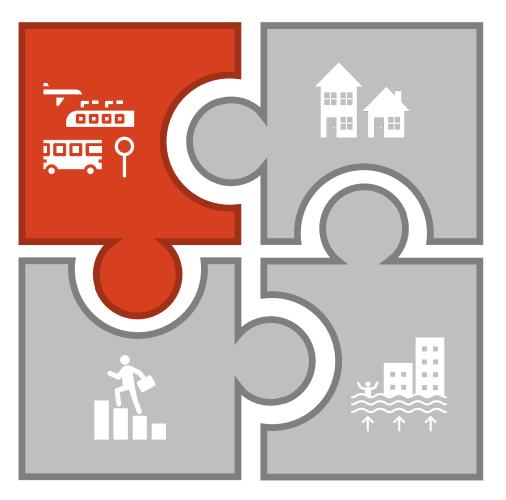
Similar to the Draft Blueprint, the Final Blueprint will weave together complementary strategies to achieve key regional outcomes.



Plan Bay Area 2050 Blueprint

- Transportation Strategies
- Housing Geographies & Strategies
- Economic Geographies & Strategies
- Environmental Strategies

With the Draft Blueprint coming soon, now is an opportune time to think about borderline strategies & investments not included in the Draft.



Transportation Element

- Revisions to Transportation Needs & Revenues (including from COVID-19/Recession)
- Commitment Letters for Transportation Projects with Performance Challenges
- Integration of Select Projects into Refined Strategies for Final Blueprint



Updates on the Housing, Environment, and Economy elements coming in July and Sept.

Robust technical analyses over the past year have spotlighted high-performing projects & complementary policies.

Project Performance Assessment Transportation
Needs & Revenues

County Priorities and Commitments

Final Blueprint

Draft Findings: November 2019

Final Findings: February 2020

Draft Needs & Revenues:
December 2019

Revised Needs & Revenues:
June 2020

County Revenue Forecasts: Winter 2020

Draft County Lists: March 2020

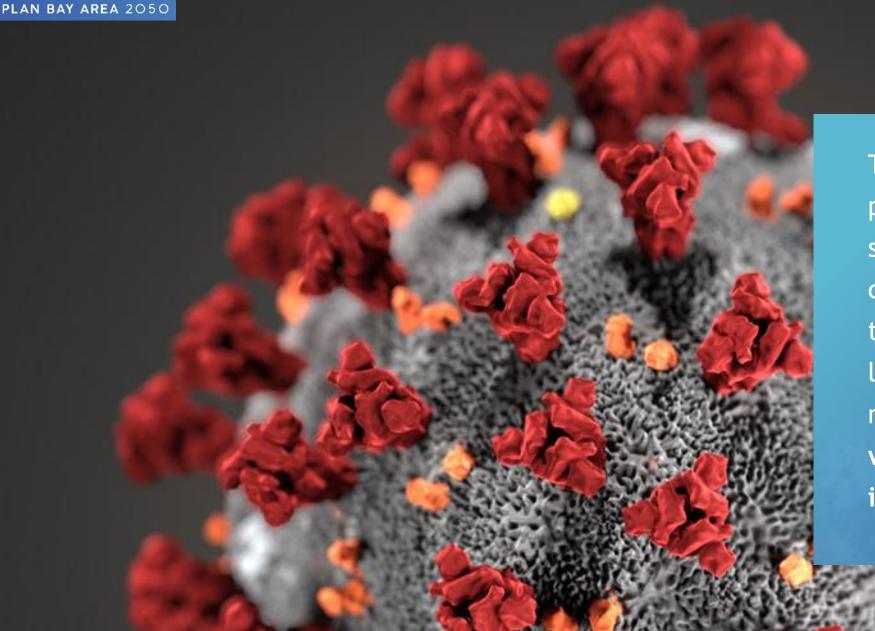
Commitment Letters: April 2020

Final County Lists: July 2020 Major Project Recommendations: June 2020

Action: Reg. Commitments
July 2020

Action: Final Strategies September 2020





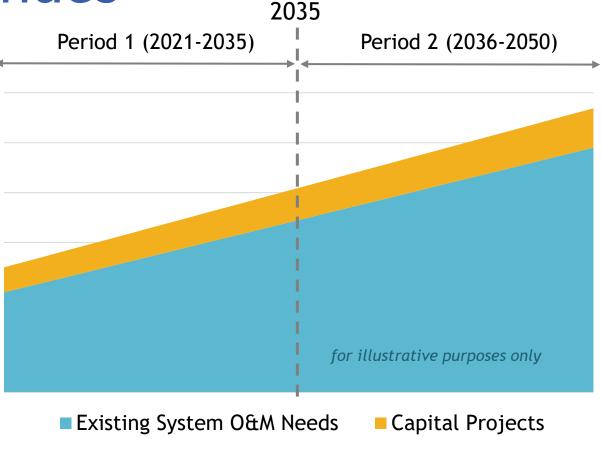
The impacts of the COVID-19 pandemic, and the subsequent economic consequences, on transportation revenue are likely to be significant in the near term. Revenue impacts will likely be concentrated in the first half of the plan.



Key Context:Transportation Revenues

Per new CARB regulations, Plan Bay Area 2050 will split the 30-year planning horizon into two 15-year periods.

This will affect when we assume major capital projects will be delivered over the Plan's lifespan.



30-Year Revenue Forecast (in Billions of YOE\$)

Transportation Revenues

Revised Draft Plan Bay Area 2050 Revenue (in billions of Year of Expenditure \$)

| Revenue Source | Revised Draft Forecast | COVID-19 Reduction | Total Revenue |
|----------------------------|---------------------------|-----------------------|------------------|
| Federal Funds | \$48 | \$0 | \$48 |
| State Funds | \$105 | -\$2 | \$103 |
| Regional Funds | \$59 | -\$1 | \$58 |
| Local Funds | \$237 | -\$8 | \$229 |
| Anticipated | \$24 | \$0 | \$24 |
| New Revenues | \$48 | \$0 | \$48 |
| TOTAL without New Revenues | \$474 | -\$11 | \$463 |
| TOTAL with New Revenues | \$522 | -\$11 | \$511 |



Transportation Revenues

Approach to COVID-19 Impacts

- Applied a revenue "haircut" to State, Regional, and Local revenue sources
- "Haircut" based on projected revenue impacts to specific revenue sources due to COVID-19
- Impacts contained to "Period 1", starting in FY 2020-21 through FY 2034-35
- Adjusted new revenues estimate to reflect a later start year and lower annual revenues

Key Changes Since December 2019 Initial Revenue Forecast

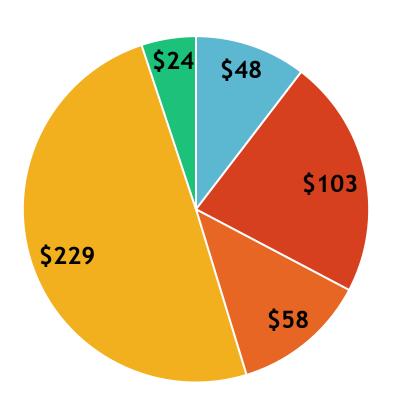
- Adjusted local streets and roads funding based on revised local revenue information
- Included CARB's Low Carbon Fuel Standard program
- Included various local fee revenues.
- Included CARES Act funds for transit for FY 2020-21

Transportation Revenues

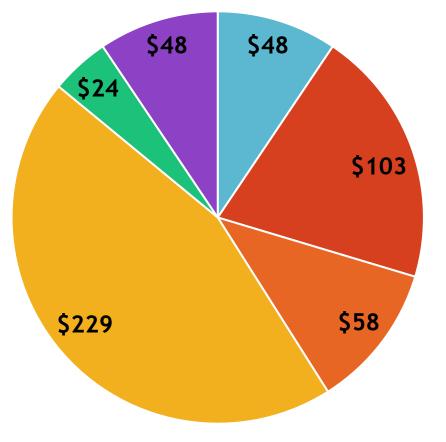


Revised Draft Plan Bay Area 2050 Revenue (in billions of Year of Expenditure \$)

\$463 Billion **Total without New Revenues**



\$511 Billion Total with New Revenues



Key Caveats:

Charts do not include revenue projections (still under development) for Blueprint tolling strategy, which could further augment monies available.

New Revenues ("megameasure") start date is **now assumed by** *2035*.

In Billions of Year-of-Expenditure \$







\$381 Billion need to maintain existing condition/service



\$42 billion unfunded need

PLAN BAY AREA 2050



Commitment Letters & Initial Strategy Recommendations for Final Blueprint (Transportation)

Improving Lower-Performing Strategies with Project-Level Commitments

Important: in addition to advancing critical climate and equity goals, Plan Bay Area 2050 must do so in a fiscally-constrained manner.

- Transportation strategy costs must not exceed forecasted transportation revenues. However, regional discretionary funding requests exceed reasonably-anticipated revenues, even with the inclusion of a major transportation measure in the years ahead.
- Updates and expansions to the Final Blueprint strategies will weave together
 projects into an integrated network based upon Project Performance, policy
 commitments, and funding commitments.
- While a number of projects will be integrated into the Final Blueprint strategies, many will not be able to be advanced until the second half of the Plan (after 2035) when more revenues may be available.

Refresher: What is a strategy in the context of Plan Bay Area 2050?

What do we mean by "strategy"?

A strategy is either a public policy or set of investments that can be implemented in the Bay Area over the next 30 years; a strategy is not a near-term action or legislative proposal.

Who would implement these strategies?

Strategies in Plan Bay Area 2050 can be implemented at the **local**, **regional**, **or state levels**. Specific implementation actions and the role for MTC/ABAG will be identified through a collaborative process for the Implementation Plan in late 2020.

How many strategies can we include in the Blueprint?

Plan Bay Area 2050 must be **fiscally constrained**, meaning that not every strategy can be integrated into the Plan given finite revenues available.

Draft Blueprint: 9 High-Performing Strategies



Maintain and
Optimize Existing
Infrastructure

- Operate and Maintain the Existing System
- Accelerate Restoration of Transit Operations to 2019 Levels
- Enable Seamless Mobility with Unified Trip Planning and Fare Payment
- Reform Regional Transit Fare Policy
- Implement Per-Mile Tolling on Congested Freeways with Transit Alts.
- Improve Interchanges and Address Highway Bottlenecks
- Advance Other Regional Programs and Local Priorities



Create Healthy and Safe Streets

- Build a Complete Streets Network
- Advance Regional Vision Zero Policy through Street Design and Reduced Speeds



- Advance Low-Cost Transit Projects
- Build a New Transbay Rail Crossing
- Increase Existing Rail Capacity and Frequency
- Extend the Regional Rail Network
- Build an Integrated Regional Express Lane and Express Bus Network

Draft Blueprint: 9 High-Performing Strategies Final Blueprint: ... Plus 6 Potential New Strategies



Maintain and Optimize Existing Infrastructure

- Operate and Maintain the Existing System
- Accelerate Restoration of Transit Operations to 2019 Levels [NEW]
- Enable Seamless Mobility with Unified Trip Planning and Fare Payments
- Reform Regional Transit Fare Policy
- Implement Per-Mile Tolling on Congested Freeways with Transit Alts.
- Improve Interchanges and Address Highway Bottlenecks [NEW]
- Advance Other Regional Programs and Local Priorities [NEW]



Create Healthy and Safe Streets

- Build a Complete Streets Network
- Advance Regional Vision Zero Policy through Street Design and Reduced Speeds



- Advance Low-Cost Transit Projects
- Build a New Transbay Rail Crossing
- Increase Existing Rail Capacity and Frequency [NEW]
- Extend the Regional Rail Network [NEW]
- Build an Integrated Regional Express Lane and Express Bus Network [NEW]



projects only)

How can a transportation project advance into one of the Final Blueprint strategies?

Initial Staff Recommendation **Action:** Projects to Advance into (June 2020) Final Strategies (July 2020) Include in **Period 1** Include strategy (before 2035) Include in **Period 2** Project strategy (after 2035) Consider *Performance* (2019)Do not integrate into a Commitment Final Blueprint strategy **Exclude** Letters (2020) (lower-performing

As Draft Blueprint strategies - and the high-performing projects included within them - were showcased this winter, today's presentation will emphasize **new strategies**, as well as medium-and low-performing projects that have gone through the commitment letter process.

New Strategy #1: Improve Interchanges and Address Highway Bottlenecks





Spotlight Project #1A: SR-37 Widening + Resilience

- Advance interim/near-term improvements to SR-37, while further considering long-term improvements to fully protect corridor
- [New!] Include a means-based toll discount on SR-37
- [New!] Do not pursue full conversion to limited-access freeway

Spotlight Project #1B: I-80/I-680/SR-12 Interchange + Widening

 Address highway bottleneck in Solano County serving the Bay Area's largest gateway to the Northern California megaregion

New Strategy #2: Increase Existing Rail Capacity and Frequency by Modernizing the Network





Spotlight Project #2A: Caltrain Enhanced Growth Scenario

- Work within existing infrastructure to increase frequencies on Caltrain to eight trains per hour
- [New!] Reduction in project scope to improve cost-effectiveness rating
- [New!] Caltrain support for Regional Transit Fare Reform strategy

Spotlight Project #2B: ACE Service Frequency Boost

- Increase ACE frequencies to 10 round trips per day
- [New!] ACE support for Regional Transit Fare Reform strategy

New Strategy #3: Extend the Regional Rail Network







Spotlight Project #3A: Valley Link

- Improve transit connections between the Central Valley and the Bay Area with new commuter rail service terminating at Dublin/Pleasanton BART station
- No commitments required due to medium-high performance rating

Spotlight Project #3B: Dumbarton Rail

- Improve transit connectivity between Redwood City and Union City, connecting housing and job centers more directly with rail
- [New!] Explore cheaper light rail or "group rapid transit" service outside of Union Pacific right-of-way

Spotlight Project #3C: Caltrain Downtown Extension

- Extend Caltrain service to the Salesforce Transit Center, improving access to jobs in the Financial District
- Note: "Consider" rating reflects nexus with New Transbay Rail Crossing; project need is greatest if commuter rail mode is selected

New Strategy #4: Build an Integrated Regional Express Lane and Express Bus Network







Spotlight Project #4A: Regional Express Lane Network

- Continue strategic build out of a regional express lanes network that allows carpoolers and bus riders to bypass congestion at a free or reduced cost
- [New!] Mitigate GHG increases by focusing on lane conversions over widening
- [New!] Require further equity commitments (e.g., means-based tolling)

Spotlight Project #4B: Regional Express Bus Network

- Leverage the Express Lanes network with a Phase 1 network of express bus services to provide fast and frequent alternatives in high-demand corridors
- [New!] Improve cost-effectiveness and equity by focusing on up to three routes with high ridership potential

Spotlight Project #4C: AC Transit Transbay Service Increase

- Boost AC Transit transbay frequencies to further alleviate congestion on the Bay Bridge corridor
- [New!] Improve cost-effectiveness and address inequities by focusing on six routes with high ridership today

New Strategies #5 & #6: Advance Local Priorities and Restore Transit Operations to 2019 Levels



Advance Other Regional Programs and Local Priorities

- Advance low-cost or non-capacity-increasing projects (e.g., Diridon Station), as well as key regional programs, prioritized by CTAs and multi-county sponsors
- [New!] All projects included within must align with Plan Bay Area 2050 Vision, as these projects were not evaluated in Horizon

Total Strategy Cost: \$8-14B

Regional Discretionary: \$1-5B



Accelerate Restoration of Transit Operations to 2019 Levels

- Return transit service hours to their pre-COVID-19 levels while enhancing system integration to achieve greater efficiencies & improved connectivity
- [New!] This strategy emerged from post-COVID-19 transit operating assumptions in baseline needs and was not previously evaluated in Horizon

| Initial Concept for Final Blueprint (Transportation Only) | | | | | | | |
|---|--|----------------|----------------|--|--|--|--|
| | Strategy | Regional Disc. | Total Cost | | | | |
| Maintain and Optimize Existing Infrastructure | Operate and Maintain the Existing System | \$ 18 - 41 B | \$ 355 - 378 B | | | | |
| | [New!] Accelerate Restoration of Transit Operations to 2019 Levels | \$ 3 B | \$ 3 B | | | | |
| | Enable Seamless Mobility with Unified Trip Planning and Fare Payments | \$ 1 B | \$ 1 B | | | | |
| | Reform Regional Transit Fare Policy | \$ 10 - 11 B | \$ 10 - 12 B | | | | |
| | Implement Per-Mile Tolling on Congested Freeways with Transit Alternatives | \$ 1 B | \$ 1 B | | | | |
| | [New!] Improve Interchanges and Address Highway Bottlenecks | \$ 3 - 10 B | \$ 9 - 18 B | | | | |
| | [New!] Advance Other Regional Programs and Local Priorities | \$ 1 - 5 B | \$ 8 - 14 B | | | | |
| Create Healthy | Build a Complete Streets Network | \$7-9B | \$ 9 - 13 B | | | | |
| and Safe Streets | Advance Regional Vision Zero Policy through Street Design and Reduced Speeds | \$1-3B | \$ 2 - 5 B | | | | |
| Enhance | Advance Low-Cost Transit Projects | \$ 9 - 15 B | \$ 35 - 44 B | | | | |
| | Build a New Transbay Rail Crossing | \$ 27 B | \$ 29 B | | | | |

\$0-9B

\$ 3 - 13 B

\$2-4B

\$ 86 - 152 B

\$ 5 - 16 B

\$ 4 - 17 B

\$ 3 - 6 B

\$ 474 - 557 B

[New!] Increase Existing Rail Capacity and Frequency

[New!] Build an Integrated Regional Express Lane and Express Bus Network

[New!] Extend the Regional Rail Network

Regional and **Local Transit**

Total

Preview of Key Implementation Area: Megaprojects

The first half of the Plan is characterized by limited available revenues and uncertainty about transit demand due to lasting impacts from COVID-19. As a result, most of the higher-cost projects will need to be recommended for inclusion in Period 2 (2036-2050).

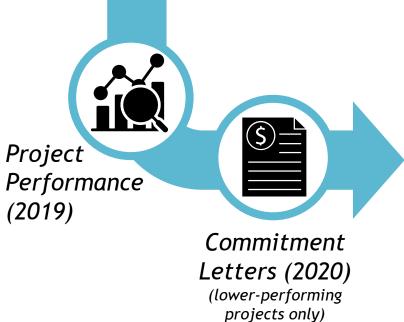
Under a megaproject advancement policy, projects could advance to Period 1 if:

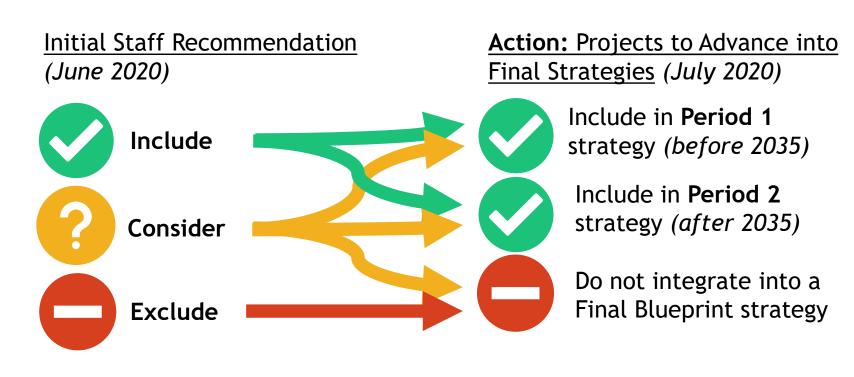
- New public or private funding sources are identified and/or
- Commitments to ensure timely project delivery are made and/or
- Project makes strategic shifts to better advance equity and cost-effectiveness





What's Next? Staff will return in July with an action item on key projects to be infused into Final Blueprint strategies, with "Consider" projects contingent on Draft Blueprint results.









Q&A + Discussion

Upcoming *Plan Bay Area 2050* Milestones:

- July 2020: Draft Blueprint Release
- July 2020: Action on Regional Priorities for Final Blueprint
- September 2020: Action on Final Blueprint Strategies

Attachment B: Revised Transportation Revenue Forecast

(all estimates in billions of year-of-expenditure dollars)

| | Initial Draft (Dec. 2019) | Revised Draft | COVID-19 Reduction | Final Draft (Jun. 2020) |
|----------------------------|------------------------------|---------------|-----------------------|----------------------------|
| Federal | | | | |
| Period 1 (2021-2035) | \$14 | \$15 | \$0** | \$15 |
| Period 2 (2036-2050) | \$21 | \$22 | \$0 | \$22 |
| Total* | \$46 | \$48 | \$0** | \$48 |
| State | | | | |
| Period 1 (2021-2035) | \$39 | \$45 | -\$2 | \$43 |
| Period 2 (2036-2050) | \$52 | \$59 | \$0 | \$59 |
| Total* | \$92 | \$105 | -\$2 | \$103 |
| Regional | | | | |
| Period 1 (2021-2035) | \$27 | \$26 | -\$1 | \$25 |
| Period 2 (2036-2050) | \$40 | \$34 | \$0 | \$34 |
| Total | \$67 | \$59 | -\$1 | \$58 |
| Local | | | | |
| Period 1 (2021-2035) | \$97 | \$95 | -\$8 | \$89 |
| Period 2 (2036-2050) | \$146 | \$143 | \$0 | \$141 |
| Total | \$243 | \$238 | -\$8 | \$230 |
| Anticipated/Unspecified*** | | | | |
| Total | \$24 | \$24 | \$0 | \$24 |
| Regional Megameasure**** | | | | |
| Period 1 (2021-2035) | \$25 | \$0 | \$0 | \$0 |
| Period 2 (2036-2050) | \$48 | \$48 | \$0 | \$48 |
| Total | \$73 | \$48 | \$0 | \$48 |
| TOTAL | | | | |
| Period 1 (2021-2035) | \$202 | \$181 | -\$11 | \$172 |
| Period 2 (2036-2050) | \$307 | \$305 | \$0 | \$303 |
| Flexible Availability | \$36 | \$36 | \$0 | \$36 |
| Total | \$545 | \$522 | -\$11 | \$511 |

^{*} Total includes "flexible funds" that are not assigned to a specific period.

^{**} No loss of federal funds is assumed.

^{***} Does not yet include anticipated revenues from Draft Blueprint all-lane tolling strategy.

^{****} For financial assumption purposes, this was assumed to be equivalent to a 1-cent sales tax implemented no later than 2035.

PLAN BAY AREA 2050 - TRANSPORTATION REVENUE FORECAST BY SOURCE In Billions of Year of Expenditure \$ - 30 Year Forecast Period FY 2020-21 to FY 2049-50 REVISED: May 2020



| Revenue Source | Plan Bay Area 2050 Revenue Assumptions | PBA 2040 (For Reference 24 Year Forecast) | Plan Bay Area 2050 Total Revenue | Revenue Period 1 FY 2021 - FY 2035 | Revenue Period 2 FY 2036 - FY 2050 | Revenue Period 3 Flexible Availability |
|--|--|---|-------------------------------------|---------------------------------------|---------------------------------------|--|
| FEDERAL | | , | | | | |
| FHWA Construction of Ferry Boats & Ferry Terminal Facilities Formula Program | Base Year: FY 2018-19 Data Source: FHWA Growth Rate: 2%-3% | \$0.04 | \$0.09 | \$0.03 | \$0.05 | \$0.00 |
| FHWA/FTA Section 5303 Metropolitan Planning | Base Year: FY 2018-19 Data Source: FHWA Growth Rate: 2%-3% | \$0.03 | \$0.52 | \$0.21 | \$0.31 | \$0.00 |
| FHWA STP/CMAQ - Regional | Base Year: FY 2018-19 Data Source: FHWA Growth Rate: 2%-3% | \$3.26 | \$4.62 | \$1.84 | \$2.78 | \$0.00 |
| FHWA Highway Safety Improvement Program (HSIP) | Base Year: FY 2018-19 Data Source: FHWA Growth Rate: 2%-3% | \$0.31 | \$0.84 | \$0.34 | \$0.51 | \$0.00 |
| FHWA STP/CMAQ - County | Base Year: FY 2018-19 Data Source: FHWA Growth Rate: 2%-3% | \$2.18 | \$3.08 | \$1.23 | \$1.85 | \$0.00 |
| FTA Passenger Ferry Grant Program | Base Year: FY 2018-19 Data Source: FTA Growth Rate: 2%-3% | \$0.10 | \$0.15 | \$0.06 | \$0.09 | \$0.00 |
| FTA Sections 5307 & 5340 Urbanized Area Formula (Capital) | Base Year: FY 2018-19 Data Source: FTA Growth Rate: 2%-3% | \$7.08 | \$10.48 | \$4.18 | \$6.31 | \$0.00 |
| FTA Section 5309 Fixed-Guideway Capital Investment Grants - New Starts and Core Capacity | Base Year: FY 2018-19 Data Source: FTA Growth Rate: 2%-3% | \$5.02 | \$9.17 | \$0.00 | \$0.00 | \$9.17 |
| FTA Section 5309 Fixed-Guideway Capital Investment Grants - Small Starts | Base Year: FY 2018-19 Data Source: FTA Growth Rate: 2%-3% | \$0.70 | \$1.98 | \$0.00 | \$0.00 | \$1.98 |
| FTA Section 5310 Enhanced Mobility of Seniors & Individuals with Disabilities | Base Year: FY 2018-19 Data Source: FTA Growth Rate: 2%-3% | \$0.16 | \$0.24 | \$0.10 | \$0.14 | \$0.00 |
| FTA Section 5311 Non-Urbanized Area Formula | Base Year: FY 2018-19 Data Source: FTA Growth Rate: 2%-3% | \$0.07 | \$0.07 | \$0.03 | \$0.04 | \$0.00 |
| FTA Section 5337 State of Good Repair Formula | Base Year: FY 2018-19 Data Source: FTA Growth Rate: 2%-3% | \$6.56 | \$10.50 | \$4.19 | \$6.31 | \$0.00 |
| FTA Section 5339 Bus & Bus Facilities Program | Base Year: FY 2018-19 Data Source: FTA Growth Rate: 2%-3% | \$0.40 | \$0.71 | \$0.28 | \$0.43 | \$0.00 |
| FTA Bus and Bus Facilities Discretionary Program | Base Year: FY 2018-19 Data Source: FTA Growth Rate: 2%-3% | \$0.38 | \$0.12 | \$0.05 | \$0.07 | \$0.00 |
| National Highway Freight Program | Base Year: FY 2018-19 Data Source: FHWA Growth Rate: 2%-3% | \$0.77 | \$1.16 | \$0.46 | \$0.70 | \$0.00 |
| National Significant Freight and Highway Projects Discretionary Program | Base Year: FY 2018-19 Data Source: FHWA Growth Rate: 2%-3% | \$1.53 | \$2.01 | \$0.80 | \$1.21 | \$0.00 |

MTC Planning Committee with ABAG Administrative Committee Attachment C

Appendix 1 PBA 2040 Page 2 of 8 Plan Bay Area 2050 **Revenue Period 3** Plan Bay Area 2050 **Revenue Period 1 Revenue Period 2 Revenue Source** (For Reference -**Revenue Assumptions Total Revenue** FY 2021 - FY 2035 FY 2036 - FY 2050 **Flexible Availability** 24 Year Forecast) Assumption: 5-Year Historical Avg. \$1.84 \$0.73 \$1.11 \$0.00 Highway Bridge Program Data Source: FMS Growth Rate: 2%-3% Coronavirus Aid, Relief, and Economic Security (CARES) Act N/A \$0.50 \$0.50 \$0.00 \$0.00 Date Source: CARES Act \$48.10 \$15.03 \$21.92 \$11.15 \$28.59 **Federal Total**

June 12, 2020 Area 2050 PBA 2040 PBA 20

| e 3 of 8 Revenue Source | Plan Bay Area 2050 Revenue Assumptions | PBA 2040 (For Reference 24 Year Forecast) | Plan Bay Area 2050 Total Revenue | Revenue Period 1 FY 2021 - FY 2035 | Revenue Period 2 FY 2036 - FY 2050 | Revenue Period 3 Flexible Availability |
|---|--|---|-------------------------------------|---------------------------------------|---------------------------------------|--|
| STATE | | | | | | |
| Active Transportation Program (ATP) - State Program | Assumption Base: FY 2017-18 Distribution Base: Bay Area receives 20% of funds | \$0.28 | \$0.56 | \$0.25 | \$0.31 | \$0.00 |
| Affordable Housing & Sustainable Communities Program | Assumption Base: \$2.9 billion per year in Cap and Trade auction proceeds Distribution Base: Bay Area receives 30% of funds | \$1.08 | \$1.79 | \$0.88 | \$0.91 | \$0.00 |
| Cap & Trade Goods Movement (from 40% Uncommitted Funds) | Assumption Base: \$2.9 billion per year in Cap and Trade auction proceeds Distribution Base: Bay Area receives | \$0.50 | \$2.22 | \$1.09 | \$1.13 | \$0.00 |
| Freeway Service Patrol | Assumption Base: Bay Area share of prescribed statewide set-aside from the Road Maintenance and Rehabilitation Account | \$0.00 | \$0.14 | \$0.07 | \$0.07 | \$0.00 |
| Gas Tax Subvention + RMRA | Assumption Base: Estimate of Fuel excise tax and Road Maintenance and Rehabilitation Account revenue Distribution Base: Bay Area share of registered vehicle, road mileage, and population | | \$23.67 | \$9.45 | \$14.22 | \$0.00 |
| High Speed Rail | Assumption Base: Bay Area current + anticipated connectivity projects. | \$9.26 | \$ 1.56 | \$0.00 | \$0.00 | \$ 1.56 |
| Local Partnership Program | Assumption Base: Bay Area population share of prescribed statewide set-aside from the Road Maintenance and Rehabilitation Account | \$0.00 | \$1.15 | \$0.56 | \$0.59 | \$0.00 |
| Local Planning | Assumption Base: Bay Area population share of prescribed statewide set-aside from the Road Maintenance and Rehabilitation Account | \$0.00 | \$0.14 | \$0.07 | \$0.07 | \$0.00 |
| Low Carbon Transit Operations Program Population-Based | Assumption Base: \$2.9 billion per year in Cap and Trade auction proceeds Distribution Base: Bay Area receives 19% of funds | \$0.29 | \$0.42 | \$0.20 | \$0.21 | \$0.00 |
| Low Carbon Transit Operations Program Revenue-Based | Assumption Base: \$2.9 billion per year in Cap and Trade auction proceeds Distribution Base: Bay Area receives | \$0.80 | \$1.11 | \$0.54 | \$0.57 | \$0.00 |
| Low Carbon Fuel Standard Program | Source: Transit operator estimates based on CARB forecasts | \$0.00 | \$12.95 | \$6.13 | \$6.82 | \$0.00 |
| Proposition 1B | N/A | \$0.01 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Solutions for Congested Corridors | Assumption Base: Senate Bill 1 program revenue Distribution Base: Bay Area receives 30% of funds | \$0.00 | \$3.76 | \$1.41 | \$2.35 | \$0.00 |
| State Bridges and Culverts | Assumption Base: Bay Area population share of prescribed statewide set-aside from the Road Maintenance and Rehabilitation Account | \$0.00 | \$2.29 | \$1.12 | \$1.17 | \$0.00 |

| of 8 Revenue Source | Plan Bay Area 2050 Revenue Assumptions | PBA 2040 (For Reference 24 Year Forecast) | Plan Bay Area 2050 Total Revenue | Revenue Period 1 FY 2021 - FY 2035 | Revenue Period 2 FY 2036 - FY 2050 | Revenue Period 3 Flexible Availability |
|--|---|---|-------------------------------------|---------------------------------------|---------------------------------------|--|
| | Assumption Base: 2019 SHSMP and | \$13.75 | \$26.14 | \$11.01 | \$15.13 | \$0.0 |
| State Highway On wations & Brotastics Brooway (CHORR) | estimate of gas tax revenue | | | | | |
| State Highway Operations & Protection Program (SHOPP) | Distribution Base: Bay Area receives | | | | | |
| | 20% of funds | | | | | |
| | Assumption Base: FY 2018/19 | \$1.79 | \$2.90 | \$1.20 | \$1.71 | \$0.0 |
| State Transit Assistance (STA) Population-Based | Distribution Base: Bay Area receives | | | | | |
| | 20% of funds | | | | | |
| | Assumption Base: 2018-19 | \$5.12 | \$7.75 | \$3.19 | \$4.55 | \$0.0 |
| State Transit Assistance (STA) Revenue-Based | Distribution Base: Bay Area receives | | | | | |
| | 52% of funds | | | | | |
| | Assumption Base: FY 2018/19 | \$0.00 | \$0.51 | \$0.19 | \$0.32 | \$0.0 |
| State Transit Assistance Capital - Population Based | Distribution Base: Bay Area receives | | | | | |
| | 20% of funds | | | | | |
| | Assumption Base: 2018-19 | \$0.00 | \$1.37 | \$0.51 | \$0.86 | \$0.0 |
| State Transit Assistance Capital - Revenue Based | Distribution Base: Bay Area receives | | | | | |
| | 52% of funds | | | | | |
| | Assumption Base: 2020 STIP FE and | \$3.11 | \$3.14 | \$1.22 | \$1.92 | \$0. |
| state Transportation Improvement Program (STIP): Regional Transportation Improvement | estimate of gas tax revenue | | | | | |
| Program (RTIP) County Shares | Distribution Base: Bay Area historical | | | | | |
| | share of total funds | | | | | |
| | Assumption Base: 2020 STIP FE and | \$0.71 | \$0.75 | \$0.29 | \$0.46 | \$0.0 |
| TID. latamani anal Dandillatamita Dail (ITID) | estimate of gas tax revenue | | | | | |
| STIP: Interregional Road/Intercity Rail (ITIP) | Distribution Base: Bay Area historical | | | | | |
| | share of total funds | | | | | |
| | Assumption Base: Senate Bill 1 | \$0.00 | \$2.63 | \$1.07 | \$1.56 | \$0.0 |
| rade Corridor Enhancement | program revenue | | | | | |
| rade Corridor Enhancement | Distribution Base: Bay Area receives | | | | | |
| | 20% of funds | | | | | |
| | Assumption Base: \$2.9 billion per | \$3.00 | \$6.24 | \$2.63 | \$3.61 | \$0. |
| | year in Cap and Trade auction | | | | | |
| ransit and Intercity Rail Capital Program | proceeds + Senate Bill 1 program | | | | | |
| | revenue | | | | | |
| | Distribution Base: Bay Area receives | | | | | |
| | Assumption Base: Bay Area | \$0.00 | \$0.04 | \$0.02 | \$0.02 | \$0.0 |
| | population share of prescribed | | | | | |
| Jniversity Research | statewide set-aside from the Road | | | | | |
| | Maintenance and Rehabilitation | | | | | |
| | Account | | | | | |
| | Assumption Base: Bay Area | \$0.00 | \$0.03 | \$0.01 | \$0.01 | \$0.0 |
| | population share of prescribed | | | | | |
| Norkforce Development | statewide set-aside from the Road | | | | | |
| | Maintenance and Rehabilitation | | | | | |
| | Account | | | | | |
| State Total | State Total | \$47.99 | \$103.3 | \$43.1 | \$58.6 | \$1 |

Appendix 1 PBA 2040 Page 5 of 8 Plan Bay Area 2050 Plan Bay Area 2050 **Revenue Period 1 Revenue Period 2 Revenue Period 3 Revenue Source** (For Reference -**Revenue Assumptions Total Revenue** FY 2021 - FY 2035 FY 2036 - FY 2050 **Flexible Availability** 24 Year Forecast) REGIONAL \$0.10 \$0.12 \$0.06 \$0.06 \$0.00 Base Year: FY 2018-19 2% Toll Revenues Source: BATA Growth Rate: 0.3%-0.6% \$0.05 \$0.06 Base Year: FY 2018-19 \$0.09 \$0.12 \$0.00 5% State General Funds Source: BATA Growth Rate: 0.3%-0.6% \$0.3 \$0.56 \$0.25 \$0.31 Assumption Base: FY 2017-18 \$0.00 Active Transportation Program (ATP) - Regional Program Distribution Base: Bay Area share based on ATP formula \$2.61 \$4.60 \$1.76 \$2.84 \$0.00 Assumption Base: Weighted average of county sales tax authority AB 1107 ½-cent Sales Tax in three BART counties (25% MTC Administered Share) estimates for the three counties of the BART District \$8.67 \$5.27 \$8.5 \$13.79 \$0.00 Assumption Base: Weighted average of county sales tax authority AB 1107 ½-cent Sales Tax in three BART Counties (75% BART Share) estimates for the three counties of the BART District \$0.27 \$0.10 \$0.53 \$0.26 \$0.00 Base Year: FY 2018-19 AB 1171 Source: BATA Growth Rate: 0.3%-0.6% \$0.37 \$0.45 \$0.22 \$0.23 \$0.00 Base Year: FY 2018-19 Source: DMV data AB 434 (Transportation Fund for Clean Air – Regional) – 60% of funding Growth Rate: MTC estimate based on Vehicle Registration data \$0.38 \$0.48 \$0.23 \$0.25 \$0.00 Base Year: FY 2018-19 AB 664 Source: BATA Growth Rate: 0.3%-0.6% \$3.60 \$2.39 \$4.54 \$2.15 \$0.00 Base Year: FY 2018-19 BATA Base Toll Revenues Source: BATA Growth Rate: 0.3%-0.6% \$5.10 \$14.22 \$5.48 \$8.75 \$0.00 Base Year: FY 2018-19 - Assumes indexing of toll after 2025 Regional Measure 3 (RM3) Source: BATA Growth Rate: 0.3%-0.6% \$5.08 \$2.07 \$0.86 \$1.21 \$0.00 Regional Express Lane Network Revenues Source: BAIFA estimates \$2.10 \$3.18 \$3.99 \$1.90 \$0.00 Base Year: FY 2018-19 Source: BATA Regional Measure 2 (RM2) Growth Rate: 0.3%-0.6% \$0.37 \$0.17 \$0.19 \$0.05 \$0.00 Base Year: FY 2018-19 RM1 Rail Extension Reserve Source: BATA Growth Rate: 0.3%-0.6%

MTC Planning Committee with ABAG Administrative Committee Attachment C Appendix 1

| e 6 of 8 | 8 Revenue Source | Plan Bay Area 2050 Revenue Assumptions | PBA 2040 (For Reference 24 Year Forecast) | Plan Bay Area 2050 Total Revenue | Revenue Period 1 FY 2021 - FY 2035 | Revenue Period 2 FY 2036 - FY 2050 | Revenue Period 3 Flexible Availability |
|----------|---|---|---|-------------------------------------|---------------------------------------|---------------------------------------|--|
| | | Base Year: FY 2018-19 | \$0.15 | \$0.19 | \$0.09 | \$0.10 | \$0.00 |
| Soni | rice Authority for Freeway and Expressways (SAFE) | Source: DMV data | | | | | |
| Servi | ice Authority for Freeway and Expressways (SAFE) | Growth Rate: MTC estimate based on | | | | | |
| | | Vehicle Registration data | | | | | |
| | | Base Year: FY 2018-19 | \$3.43 | \$4.32 | \$2.05 | \$2.27 | \$0.00 |
| Seisr | mic Surcharge with Carpool | Source: BATA | | | | | |
| | | Growth Rate: 0.3%-0.6% | | | | | |
| | | Base Year: FY 2018-19 | \$3.18 | \$3.99 | \$1.90 | \$2.10 | \$0.00 |
| Seisr | mic Retrofit Account (Caltrans) | Source: BATA | | | | | |
| | | Growth Rate: 0.3%-0.6% | | | | | |
| | | Base Year: FY 2018-19 | \$3.18 | \$3.99 | \$1.90 | \$2.10 | \$0.00 |
| Seisr | mic Retrofit | Source: BATA | | | | | |
| | | Growth Rate: 0.3%-0.6% | | | | | |
| Regi | ional Total | Regional Total | \$39.56 | \$58.3 | \$24.6 | \$33.7 | \$0.0 |

June <u>12. 2020</u> Page

| 2. 2020 | | PD 1 22 12 | <u> </u> | | Т | Аррен |
|---|---|---|-------------------------------------|---------------------------------------|---------------------------------------|--|
| of 8 Revenue Source | Plan Bay Area 2050 Revenue Assumptions | PBA 2040 (For Reference 24 Year Forecast) | Plan Bay Area 2050 Total Revenue | Revenue Period 1 FY 2021 - FY 2035 | Revenue Period 2 FY 2036 - FY 2050 | Revenue Period 3 Flexible Availability |
| OCAL | | , | | | | |
| | Base Year: FY 2018-19 | \$0.26 | \$0.30 | \$0.14 | \$0.15 | \$0.00 |
| 2.424 (Transportation Fund for Close Air County Program Manager) 400/ of funding | Source: DMV data | | | | | |
| 3 434 (Transportation Fund for Clean Air – County Program Manager) – 40% of funding | Growth Rate: MTC estimate based on | | | | | |
| | Vehicle Registration data | | | | | |
| ounty Sales Tax Measures | Estimates provided by county sales | \$33.15 | \$54.83 | \$28.69 | \$26.13 | \$0.00 |
| durity Suites Tax Wedsuites | tax authorities | | | | | |
| ounty Sales Tax Measures - Reauthorizations | Estimates provided by county sales | \$5.98 | \$22.64 | \$0.88 | \$21.77 | \$0.00 |
| Julies Tax Medaties Teadment | tax authorities | | | | | |
| | Base Year: FY 2018-19 | \$1.02 | \$1.19 | \$0.62 | \$0.57 | \$0.00 |
| ounty Vehicle Registration Fees | Source: DMV data | | | | | |
| and remove region and record | Growth Rate: MTC estimate based on | | | | | |
| | Vehicle Registration data | | | | | |
| | Base Year: FY 2018-19 | \$0.03 | \$0.10 | \$0.00 | \$0.10 | \$0.00 |
| unty Vehicle Registration Fees - Reauthorization | Source: DMV data | | | | | |
| anty vermere registration rees recaution zution | Growth Rate: MTC estimate based on | | | | | |
| | Vehicle Registration data | | | | | |
| press Lane Revenue (county managed) | Source: Alameda CTC, BAIFA, VTA | \$3.61 | \$2.25 | \$0.83 | \$1.42 | \$0.00 |
| siess Lane Nevenae (county managea) | estimates | | | | | |
| | Estimates based on data from the | \$3.43 | \$5.40 | \$2.59 | \$2.82 | \$0.00 |
| olden Gate Bridge Toll | Golden Gate Bridge, Highway and | | | | | |
| | Transportation District | | | | | |
| cal Funding for Streets and Roads (excludes local sales taxes) | Source: 2018 CA Statewide Local | \$14.76 | \$16.04 | \$6.51 | \$9.53 | \$0.00 |
| call allaming for Streets and Roads (excludes local sales taxes) | Streets & Roads Needs Assessment | | | | | |
| | Base Year: FY 2018-19 | \$5.42 | \$9.93 | \$3.77 | \$6.16 | \$0.00 |
| operty Tax/Parcel Taxes | Data Source: AC Transit, BART, Marin | | | | | |
| | Transit, WETA | | | | | |
| n Francisco Municipal Transportation Agency (SFMTA) General Fund and Parking/Fine | Estimates based on data from the | \$10.10 | \$30.79 | \$12.45 | \$18.34 | \$0.00 |
| evenues | SFMTA | | | | | |
| n Francisco Transportation Sustainability Fee | Estimates based on data from the | \$0.80 | \$0.42 | \$0.20 | \$0.21 | \$0.00 |
| | City and County of San Francisco | 40.00 | | | | |
| n Francisco Prop D (2019 TNC Tax) | Estimates based on data from the | \$0.00 | \$0.84 | \$0.41 | \$0.44 | |
| | City and County of San Francisco MTC estimate based on weighted | \$0.54 | \$0.35 | \$0.35 | \$0.00 | \$0.00 |
| | averages of Marin and Sonoma sales | | Ψ0.55 | Ψ0.55 | \$0.00 | \$0.00 |
| MART Sales Tax in Marin and Sonoma Counties | tax revenue as forecast by TAM and | | | | | |
| | SCTA | | | | | |
| | MTC estimate based on weighted | \$0.64 | \$1.49 | \$0.37 | \$1.11 | \$0.00 |
| AART Calaa Tay in Manin and Canana Canatina Results animating | averages of Marin and Sonoma sales | | | | · · | |
| 1ART Sales Tax in Marin and Sonoma Counties - Reauthorization | tax revenue as forecast by TAM and | | | | | |
| | SCTA | | | | | |
| | Base Year: FY 2018-19 | \$39.78 | \$51.57 | \$19.22 | \$32.35 | \$0.00 |
| ansit Fare Revenues | Data Source: Each operator | | | | | |
| ansit rule revenues | Growth Rate: Based on operators' | | | | | |
| | estimates | | | | | |
| | Base Year: FY 2018-19 | \$19.96 | \$11.78 | \$4.30 | \$7.48 | \$0.00 |
| ansit Non-Fare Revenues | Data Source: Each operator | | | | | |
| | Growth Rate: Based on operators' | | | | | |
| | estimates | | | | | |
| | Estimates based on sales tax forecasts | \$12.58 | \$19.63 | \$7.50 | \$12.13 | \$0.00 |
| | developed by county sales tax | | | | | |
| ansportation Development Act (TDA) | authorities (for Solano County is | | | | | |
| | based on a ten year retrospective | | | | | |
| | analysis of actual TDA receipts) | | | | | |
| ocal Total | Local Total | \$155.86 | \$229.5 | \$88.8 | \$140.7 | \$0.0 |

| 3 of 8 Revenue Source | Plan Bay Area 2050 Revenue Assumptions | PBA 2040 (For Reference 24 Year Forecast) | Plan Bay Area 2050 Total Revenue | Revenue Period 1 FY 2021 - FY 2035 | Revenue Period 2 FY 2036 - FY 2050 | Appe Revenue Period 3 Flexible Availability |
|--|---|---|-------------------------------------|---------------------------------------|---------------------------------------|---|
| ANTICIPATED/UNSPECIFIED | | | | | | |
| | Growth Rate: 2.2% | \$14.00 | \$23.48 | | | \$23.4 |
| Anticipated // Increasified | Data Source: Retrospective analysis of | F | | | | |
| Anticipated/Unspecified | a 15 year period (FY 2005-06 to FY | | | | | |
| | 2019-20) | | | | | |
| Anticipated/Unspecified Total | Anticipated Total | \$14.00 | \$23.5 | \$0.0 | \$0.0 | \$23. |
| OTHER/OPTIONAL NEW REVENUE | | | | | | |
| | Assumes a 1% sales tax in all nine | | \$47.87 | \$0.00 | \$47.87 | \$0.0 |
| | counties, starting in FY 2034-35. | | | | | |
| | Estimates based on sales tax forecasts | | | | | |
| Optional/Megameasure | developed by county sales tax | | | | | |
| | authorities (for Solano County is | | | | | |
| | based on a ten year retrospective | | | | | |
| | analysis of actual TDA receipts) | | | | | |
| | Revenue forecast will be updated | \$13.57 | TBD | TBD | TBD | TB |
| 2020 Ballat Massumas Brising, and Tall Brainsta | based on 2020 ballot measures and | | | | | |
| 2020 Ballot Measures, Pricing, and Toll Projects | pricing and toll facility projects | | | | | |
| | included in Plan Bay Area 2050 | | | | | |
| Other Total | Other Total | \$13.57 | \$47.9 | \$0.0 | \$47.9 | \$0. |
| GRAND TOTAL without Optional | Grand Total without Megameasure | \$299.57 | \$462.7 | \$171.6 | \$254.9 | \$36. |
| GRAND TOTAL with Optional | Grand Total with Megameasure | \$299.57 | \$510.6 | \$171.6 | \$302.8 | \$36. |

Attachment C

Horizon/Plan Bay Area 2050: Final Project Performance Findings

Attachment A: Overall Summary Table

Benefit-Cost Ratios and Equity Scores across Three Futures, and Guiding Principle Flags

HORIZON

Total number of projects: 97; 81 projects from public agencies, 12 projects (along with 4 alternate versions) from public/NGOs that were jury finalists from the Transformative Projects process. (see high-level description of methodology at the bottom of the page)

| | | | | | | | Bei | nefit-Cost Ra | itio | | Equity Score | |
|--------------------------------|------------|--------|---|-----------------------|-------------------------|-------------------------------|-------------------------------------|--------------------|-----------------------|-------------------------------------|---------------------|-----------------------|
| Project Type | Project ID | Row ID | Project | Project Source | Lifecycle Cost | Guiding Principle Flags | Rising Tides Falling Fortunes | Clean and Green | Back to the Future | Rising Tides Falling Fortunes | Clean and Green | Back to the Future |
| Build Core Rail | 1004 | 1 | New San Francisco-Oakland Transbay Rail Crossing - Commuter Rail (Crossing 5) | Crossings Study | \$46.1B | 2 | 0.7 | 2 | 2 | Even | Even | Even |
| | 1007 | 2 | New San Francisco-Oakland Transbay Rail Crossing - BART + Commuter Rail (Crossing 7) | Crossings Study | ossings Study \$83.5B 2 | | 0.6 | 1 | 1 | Even | Even | Even |
| | 1002 | 3 | New San Francisco-Oakland Transbay Rail Crossing - BART (Crossing 3: Mission St) | Crossings Study | \$36.2B | 0 | 0.6 | 1 | 1 | Even | Even | Even |
| | 1003 | 4 | New San Francisco-Oakland Transbay Rail Crossing - BART (Crossing 4: New Markets) | Crossings Study | \$37.4B | 0 | 0.6 | 1 | 1 | Even | Even | Even |
| | 2300 | 5 | Caltrain Downtown Extension | TJPA | \$4.8B | 0 | <0.5 | 0.7 | 0.6 | Challenges | Challenges | Challenges |
| | 2205 | 6 | BART to Silicon Valley (Phase 2) | VTA | \$6.0B | 0 | <0.5 | <0.5 | 0.6 | Advances | Advances | Even |
| | 2306 | 7 | Dumbarton Rail (Redwood City to Union City) | SamTrans + CCAG | \$3.9B | 0 | <0.5 | <0.5 | 0.5 | Even | Even | Challenges |
| | 2310 | 8 | Megaregional Rail Network + Resilience Project (Caltrain, ACE, Valley Link, Dumbarton, Cap Cor) | City of San Jose | \$54.1B | 2 | <0.5 | 0.5 | <0.5 | Challenges | Challenges | Challenges |
| | 2208 | 9 | BART Gap Closure (Millbrae to Silicon Valley) | VTA | \$40.4B | 0 | <0.5 | <0.5 | <0.5 | Advances | Advances | Even |
| | 6002 | 10 | SMART to Richmond via New Richmond-San Rafael Bridge | Public/NGO Submission | s \$5.0B | 2 | <0.5 | <0.5 | <0.5 | Challenges | Challenges | Challenges |
| Extend Rail Network - | 2308 | 11 | Valley Link (Dublin to San Joaquin Valley) | TVSJVRRA | \$3.0B | 0 | <0.5 | 1 | 1 | Even | Even | Even |
| High Cost | 2309 | 12 | Altamont Corridor Vision Phase 1 (to San Joaquin Valley) | TVSJVRRA, SJRRC | \$4.6B | 0 | <0.5 | 0.6 | 0.7 | Challenges | Challenges | Challenges |
| | 2206 | 13 | BART Extension from Diridon to Cupertino | VTA | \$12.1B | 0 | <0.5 | <0.5 | <0.5 | Even | Advances | Even |
| | 2207 | 14 | BART Extension from Diridon to Gilroy (replacing existing Caltrain) | VTA | \$17.7B | 1 | <0.5 | <0.5 | <0.5 | Even | Advances | Even |
| | 2204 | 15 | BART on I-680 (Walnut Creek to West Dublin/Pleasanton) | Caltrans | \$11.0B | 0 | <0.5 | <0.5 | <0.5 | Even | Even | Even |
| | 2203 | 16 | BART to Hercules & I-80 Bus from Vallejo to Oakland | CCTA | \$5.8B | 0 | <0.5 | <0.5 | <0.5 | Challenges | Challenges | Challenges |
| Extend Rail Network - | 2312 | 17 | ACE Rail Service Increase (10 Daily Roundtrips) | SJRRC | \$1.3B | 0 | <0.5 | 1 | 1 | Challenges | Challenges | Challenges |
| Low Cost | 2202 | 18 | BART DMU Extension to Brentwood | CCTA | \$0.6B | 0 | <0.5 | 0.5 | <0.5 | Advances | Challenges | Challenges |
| | 2305 | 19 | SMART to Solano (Novato to Suisun City, without sea level rise protections) | SMART | \$1.6B | 0 | <0.5 | <0.5 | <0.5 | Even | Challenges | Challenges |
| | 2304 | 20 | SMART Extension to Cloverdale | SMART | \$0.5B | 0 | <0.5 | <0.5 | <0.5 | Challenges | Even | Challenges |
| Optimize Existing | 2201 | 21 | BART Core Capacity | BART | \$4.5B | 0 | 1 | 2 | 2 | Even | Even | Even |
| Transit Network - High Cost | 2001 | 22 | AC Transit Local Rapid Network: Capital Improvements + Service Increase | AC Transit | \$6.4B | 0 | 0.5 | 0.6 | 0.8 | Advances | Advances | Even |
| nigii cost | 2303 | 23 | Caltrain Full Electrification and Blended System: High Growth | VTA, City of San Jose | \$31.3B | 2 | <0.5 | 1 | 0.5 | Challenges | Even | Challenges |
| | 2302 | 24 | Caltrain Full Electrification and Blended System: Moderate Growth | Caltrain + HSR | \$24.6B | 2 | <0.5 | 0.9 | 0.5 | Challenges | Even | Challenges |
| | 2005 | 25 | Alameda County BRT Network + Connected Vehicle Corridors | ACTC | \$4.0B | 0 | <0.5 | <0.5 | 0.6 | Advances | Advances | Even |
| | 2410 | 26 | VTA LRT Systemwide Grade Separation and Full Automation | City of San Jose | \$14.8B | 1 | <0.5 | <0.5 | 0.7 | Advances | Advances | Even |
| | 2409 | 27 | VTA LRT Systemwide Grade Separation | VTA | \$11.6B | 0 | <0.5 | <0.5 | 0.5 | Advances | Advances | Even |
| | 2401 | 28 | North San Jose LRT Subway | VTA | \$4.9B | 0 | <0.5 | <0.5 | 0.5 | Even | Advances | Even |
| | 2411 | 29 | VTA LRT Systemwide Grade Separation, Network Expansion, and Full Automation | VTA, City of San Jose | \$44.2B | 0 | <0.5 | <0.5 | <0.5 | Advances | Advances | Even |
| | 2407 | 30 | Muni Metro Southwest M-Line Subway | SFCTA | \$5.6B | 0 | <0.5 | <0.5 | <0.5 | Advances | Advances | Challenges |
| | 2301 | 31 | Caltrain Full Electrification and Blended System: Base Growth | Caltrain + HSR | \$20.9B | 2 | <0.5 | <0.5 | <0.5 | Even | Even | Even |

Lifecycle Costs: This includes initial capital cost, annual O&M costs, rehabilitation and replacements costs, and a residual value of the investment at the end of the analysis period, calculated using discounted present value methodology. Refer to Attachment D for details, and for costs as reviewed with sponsors. Note: Societal transfers such as fare/toll revenue (or loss) are excluded from both benefits and costs, following standard practice for societal benefit-cost analyses.

Guiding Principle Flags: Flags, based on qualitative analysis, are intended to draw attention to a direct adverse impact a project may have that may not be captured as part of other assessments. Refer to Attachment C for details.

Benefit-Cost Ratio: All project impacts are measured against a uniform base transportation and land use network in each future, except Resilience projects, which are measured against a baseline where that asset is out of service (hence n/a in some futures). Costs and Benefits to determine the ratio are detailed in Attachment D and E. For inter-regional projects, modeled Bay Area benefits have been multiplied by a factor to reflect the ratio of expected ridership from outside the region. Valley Link/ACE Rail benefit multiplier: 3.3; Caltrain/HSR benefit multiplier: 1.3 (the HSR multiplier is applied in Clean and Green only, the Future where HSR is completely built out).

Equity Score: "Advances" indicates that the project may benefit lower income individuals (below regional median income) more than higher income individuals. "Challenges" indicates that project benefits skew towards higher income individuals. "Even" indicates even distribution of benefits for all income groups.

Note on Bicycle Projects: Improvements to individual bicycle facilities cannot be sufficiently modeled using Travel Model 1.5 (except Bay Bridge West Span since this opens up a connection); Travel Model 2.0 (under development) may allow more advanced analysis in the future. As an interim solution, a single "Enhanced Regionwide Bike Infrastructure" (Project ID 6006) was modeled, supported by off-model assertions based on research literature review. This project does not consider any specific improvements, but instead provides perspective on the benefits of a regionwide bike infrastructure investment (e.g. shared streets, trails, superhighways) on our transportation system.

(Full methodology can be found here: https://mtc.ca.gov/sites/default/files/ProjectPerformance_Methodology.pdf)

Horizon/Plan Bay Area 2050: Final Project Performance Findings Attachment A: Overall Summary Table



Benefit-Cost Ratios and Equity Scores across Three Futures, and Guiding Principle Flags

Total number of projects: 97; 81 projects from public agencies, 12 projects (along with 4 alternate versions) from public/NGOs that were jury finalists from the Transformative Projects process. (see high-level description of methodology at the bottom of the page)

| | | | | | | | Benefit-Cost Ratio | | | | Equity Score | . |
|-------------------------------|------------|--------|---|-------------------------|-------------------|-------------------------------|-------------------------------------|--------------------|-----------------------|-------------------------------------|--------------------|-----------------------|
| Project Type | Project ID | Row ID | Project | Project Source | Lifecycle Cost | Guiding Principle Flags | Rising Tides Falling Fortunes | Clean and Green | Back to the Future | Rising Tides Falling Fortunes | Clean and Green | Back to the Future |
| Optimize Existing | 3001 | 32 | Treasure Island Congestion Pricing | SF | \$0.8B | 1 | 8 | 7 | >10 | Challenges | Challenges | Challenges |
| Transit Network - Low Cost | 6111 | 33 | Integrated Transit Fare System (with Transit Capacity Expansion) | Public/NGO Submission | n \$0.3B | 0 | 6 | 7 | >10 | Advances | Advances | Advances |
| cost | 6112 | 34 | Integrated Transit Fare System and Seamless Transfers (with Transit Capacity Expansion) | Public/NGO Submission | n \$0.5B | 0 | 5 | 7 | >10 | Advances | Advances | Advances |
| | 2209 | 35 | Irvington BART Infill Station | ACTC | \$0.2B | 0 | 1 | 1 | 9 | Even | Even | Even |
| | 3002 | 36 | Downtown San Francisco Congestion Pricing | SF | \$0.3B | 1 | 2 | 3 | 4 | Challenges | Challenges | Challenges |
| | 2007 | 37 | San Francisco Southeast Waterfront Transit Improvements | SF | \$0.6B | 0 | 2 | 3 | 4 | Even | Even | Even |
| | 2100 | 38 | San Pablo BRT | AC Transit | \$0.5B | 0 | 1 | 3 | 4 | Advances | Advances | Even |
| | 2008 | 39 | Alameda Point Transit Network Improvements | ACTC | \$0.5B | 0 | 0.7 | 3 | 4 | Even | Even | Even |
| | 2000 | 40 | AC Transit Local Network: Service Increase | AC Transit | \$2.6B | 0 | 1 | 2 | 2 | Advances | Advances | Even |
| | 2101 | 41 | Geary BRT (Phase 2) | SF | \$0.6B | 0 | 1 | 2 | 3 | Even | Even | Challenges |
| | 2105 | 42 | Alameda County E14th St/Mission and Fremont Blvd Multimodal Corridor | ACTC | \$0.5B | 0 | 1 | 2 | 2 | Advances | Advances | Even |
| | 2103 | 43 | SamTrans El Camino Real BRT: Capital and Service Improvements | CCAG | \$0.6B | 0 | 1 | 1 | 2 | Advances | Even | Challenges |
| | 2003 | 44 | Muni Forward: Capital Improvements + Service Increase | SF | \$2.9B | 0 | 0.7 | 2 | 1 | Even | Even | Even |
| | 6100 | 45 | Integrated Transit Fare System | Public/NGO Submission | n \$0.3B | 0 | 2 | <0.5 | 5 | Advances | Advances | Advances |
| | 2004 | 46 | Sonoma Countywide Bus: Service Increase | SCTA | \$0.9B | 0 | <0.5 | <0.5 | 1 | Advances | Even | Even |
| | 2400 | 47 | Downtown San Jose LRT Subway | VTA | \$1.9B | 0 | <0.5 | <0.5 | 1 | Even | Even | Even |
| | 6106 | 48 | Free Transit for Low-Income Households | Public/NGO Submission | n \$0.1B | 0 | <0.5 | <0.5 | <0.5 | Advances | Advances | Advances |
| | 6101 | 49 | Free Transit for All | Public/NGO Submission | n \$0.1B | 1 | <0.5 | <0.5 | <0.5 | Advances | Advances | Advances |
| Build Local Transit | 4000 | 50 | Oakland/Alameda Gondola Network | City of Oakland | \$1.1B | 1 | 0.7 | <0.5 | 2 | Even | Advances | Even |
| | 4001 | 51 | Mountain View AV Network (Free Fare, Subsidies from Companies) | City of Mountain View | \$1.4B | 1 | <0.5 | 0.9 | 1 | Advances | Advances | Advances |
| | 2403 | 52 | Vasona LRT Extension (Phase 2) | VTA | \$0.3B | 0 | 0.7 | <0.5 | 1 | Advances | Advances | Even |
| | 2412 | 53 | SR-85 LRT (Mountain View to US101 interchange) | City of Cupertino | \$3.7B | 0 | <0.5 | 0.7 | 0.6 | Even | Challenges | Even |
| | 2408 | 54 | Muni Metro T-Third Extension to South San Francisco | City of South San Fran. | . \$1.8B | 0 | <0.5 | <0.5 | 1 | Challenges | Challenges | Even |
| | 4002 | 55 | Contra Costa Autonomous Shuttle Program | ССТА | \$3.4B | 0 | <0.5 | <0.5 | <0.5 | Advances | Even | Challenges |
| | 4003 | 56 | Cupertino-Mountain View-San Jose Elevated Maglev Rail Loop | City of Cupertino | \$8.1B | 1 | <0.5 | <0.5 | <0.5 | Challenges | Challenges | Challenges |
| | 2402 | 57 | San Jose Airport People Mover | VTA | \$1.4B | 0 | <0.5 | <0.5 | <0.5 | Even | Challenges | Even |
| Enhance Alternate | 2600 | 58 | WETA Ferry Service Frequency Increase | WETA | \$0.4B | 0 | 2 | 6 | 3 | Challenges | Even | Even |
| Modes | 6006 | 59 | Enhanced Regionwide Bike Infrastructure | MTC/ABAG | \$12.6B | 0 | 1 | 3 | 3 | Advances | Advances | Advances |
| | 2602 | 60 | WETA Ferry Service: Berkeley - San Francisco | WETA | \$0.2B | 0 | <0.5 | 1 | 1 | Advances | Even | Even |
| | 2700 | 61 | Bay Bridge West Span Bike Path | MTC/ABAG | \$0.8B | 0 | <0.5 | 1 | 0.5 | Even | Challenges | Challenges |
| | 2603 | 62 | WETA Ferry Service: Redwood City - San Francisco - Oakland | WETA | \$0.3B | 0 | 0.6 | 0.6 | <0.5 | Even | Even | Even |
| | 4004 | 63 | Regional Hovercraft Network | CCAG | \$2.6B | 0 | <0.5 | 0.6 | <0.5 | Even | Challenges | |
| | 6004 | 64 | Bay Trail Completion | Public/NGO Submission | | 0 | | not be mode | | | not be mode | |
| | 6005 | 65 | Regional Bicycle Superhighway Network | Public/NGO Submission | | 0 | cannot be modeled | | | cannot be modeled | | |
| | | | | | ,,, | • | cui | | | Cui | | |

Lifecycle Costs: This includes initial capital cost, annual O&M costs, rehabilitation and replacements costs, and a residual value of the investment at the end of the analysis period, calculated using discounted present value methodology. Refer to Attachment D for details, and for costs as reviewed with sponsors. Note: Societal transfers such as fare/toll revenue (or loss) are excluded from both benefits and costs, following standard practice for societal benefit-cost analyses.

Guiding Principle Flags: Flags, based on qualitative analysis, are intended to draw attention to a direct adverse impact a project may have that may not be captured as part of other assessments. Refer to Attachment C for details.

Benefit-Cost Ratio: All project impacts are measured against a uniform base transportation and land use network in each future, except Resilience projects, which are measured against a baseline where that asset is out of service (hence n/a in some futures). Costs and Benefits to determine the ratio are detailed in Attachment D and E. For inter-regional projects, modeled Bay Area benefits have been multiplied by a factor to reflect the ratio of expected ridership from outside the region. Valley Link/ACE Rail benefit multiplier: 3.3; Caltrain/HSR benefit multiplier: 1.3 (the HSR multiplier is applied in Clean and Green only, the Future where HSR is completely built out).

Equity Score: "Advances" indicates that the project may benefit lower income individuals (below regional median income) more than higher income individuals. "Challenges" indicates that project benefits skew towards higher income individuals. "Even" indicates even distribution of benefits for all income groups.

Note on Bicycle Projects: Improvements to individual bicycle facilities cannot be sufficiently modeled using Travel Model 1.5 (except Bay Bridge West Span since this opens up a connection); Travel Model 2.0 (under development) may allow more advanced analysis in the future. As an interim solution, a single "Enhanced Regionwide Bike Infrastructure" (Project ID 6006) was modeled, supported by off-model assertions based on research literature review. This project does not consider any specific improvements, but instead provides perspective on the benefits of a regionwide bike infrastructure investment (e.g. shared streets, trails, superhighways) on our transportation system.

(Full methodology can be found here: https://mtc.ca.gov/sites/default/files/ProjectPerformance_Methodology.pdf)

Horizon/Plan Bay Area 2050: Final Project Performance Findings

Attachment A: Overall Summary Table

Benefit-Cost Ratios and Equity Scores across Three Futures, and Guiding Principle Flags



Total number of projects: 97; 81 projects from public agencies, 12 projects (along with 4 alternate versions) from public/NGOs that were jury finalists from the Transformative Projects process. (see high-level description of methodology at the bottom of the page)

| | | | | | | | Be | nefit-Cost Ra | tio | | Equity Score | |
|-----------------------|------------|--------|--|-----------------------|-------------------|-------------------------------|-------------------------------------|--------------------|-----------------------|-------------------------------------|---------------------|-----------------------|
| Project Type | Project ID | Row ID | Project | Project Source | Lifecycle Cost | Guiding Principle Flags | Rising Tides Falling Fortunes | Clean and Green | Back to the Future | Rising Tides Falling Fortunes | Clean and Green | Back to the Future |
| Build Road Capacity - | ligh Cost | | . Crossings Study | \$47.1B | 1 | 0.6 | 1 | 2 | Even | Even | Even | |
| High Cost | 3000 | 67 | Regional Express Lanes (MTC + VTA + ACTC + US-101) | MTC/ABAG | \$12.1B | 1 | 0.5 | 0.6 | 2 | Challenges | Challenges | Challenges |
| | 1005 | 68 | Mid-Bay Bridge (I-238 to I-380) (Crossing 2) | Crossings Study | \$19.9B | 2 | <0.5 | <0.5 | 1 | Even | Challenges | Even |
| | 1006 | 69 | San Mateo Bridge Reconstruction and Widening (Crossing 1) | Crossings Study | \$15.7B | 1 | <0.5 | <0.5 | <0.5 | Advances | Challenges | Even |
| Build Road Capacity - | 3101 | 70 | I-680/SR-4 Interchange Improvements (Direct/HOV Connectors, Ramp Widening, Auxiliary Lan | CCTA | \$0.4B | 1 | <0.5 | 2 | 3 | Even | Challenges | Even |
| Low Cost | 3110 | 71 | Union City-Fremont East-West Connector | ACTC | \$0.4B | 1 | 0.7 | 1 | 3 | Even | Even | Even |
| | 3102 | 72 | SR-4 Operational Improvements | CCTA | \$0.5B | 1 | <0.5 | 1 | 2 | Challenges | Challenges | Even |
| | 3104 | 73 | I-80/I-680/SR-12 Interchange + Widening (Phases 2B-7) | STA | \$0.7B | 2 | <0.5 | 1 | 1 | Challenges | Even | Even |
| | 3103 | 74 | SR-4 Widening (Brentwood to Discovery Bay) | CCTA | \$0.4B | 1 | <0.5 | <0.5 | 6 | Advances | Even | Challenges |
| | 3106 | 75 | SR-152 Realignment and Tolling | VTA | \$1.9B | 2 | 2 | <0.5 | <0.5 | Even | Challenges | Even |
| | 3109 | 76 | SR-262 Widening and Interchange Improvements | ACTC | \$1.2B | 2 | <0.5 | <0.5 | 1 | Even | Even | Challenges |
| | 3100 | 77 | SR-239 Widening (Brentwood to Tracy including Airport Connector) | CCTA | \$2.4B | 1 | <0.5 | <0.5 | 0.9 | Challenges | Advances | Challenges |
| | 3105 | 78 | SR-12 Widening (I-80 to Rio Vista) | STA | \$2.5B | 2 | <0.5 | <0.5 | 0.7 | Even | Challenges | Even |
| Optimize Existing | 5000 | 79 | Bay Area Forward (Phase 1: Freeway Ramp and Arterial Components Only) | MTC/ABAG | \$0.6B | 1 | 7 | 9 | 6 | Challenges | Challenges | Challenges |
| Freeway Network | 6103 | 80 | Demand-Based Tolling on All Highways with Means-Based Tolls | Public/NGO Submission | 1 \$6.0B | 1 | 2 | 8.0 | 9 | Even | Even | Even |
| | 6102 | 81 | HOV Lane Network with per-mile fee for SOVs | Public/NGO Submission | n \$7.7B | 1 | 2 | <0.5 | 5 | Challenges | Challenges | Challenges |
| | 3003 | 82 | San Francisco Arterial HOV and Freeway HOT Lanes | SF | \$1.3B | 0 | 0.5 | 0.9 | 3 | Challenges | Challenges | Even |
| | 2002 | 83 | AC Transit Transbay Network: Capital Improvements + Service Increase | AC Transit | \$6.5B | 0 | 0.5 | 0.8 | 1 | Challenges | Challenges | Challenges |
| | 6022 | 84 | Bus Rapid Transit (BRT) on All Bridges: Dedicated Lanes + Service/Capacity Improvements | Public/NGO Submission | 1 \$1.2B | 0 | 0.6 | 1 | <0.5 | Advances | Advances | Even |
| | 6020 | 85 | Regional Express (ReX) Bus Network + Optimized Express Lane Network | Public/NGO Submission | 1 \$41.0B | 1 | <0.5 | 0.7 | 0.5 | Challenges | Challenges | Challenges |
| | 5003 | 86 | I-680 Corridor Improvements (BRT, Express Bus, Shared AVs, Gondolas) | CCTA | \$4.6B | 0 | <0.5 | 0.5 | 0.6 | Even | Even | Even |
| | 6104 | 87 | Reversible Lanes on Top 10 Congested Bridges and Freeways | Public/NGO Submission | 1 \$2.4B | 1 | <0.5 | <0.5 | <0.5 | Challenges | Even | Advances |
| | 6003 | 88 | I-80 Corridor Overhaul with Per-Mile Tolling | Public/NGO Submission | s \$3.9B | 1 | <0.5 | <0.5 | <0.5 | Even | Challenges | Challenges |
| | 6021 | 89 | Bus Rapid Transit (BRT) on All Bridges: Dedicated Lanes only | Public/NGO Submission | 1 \$0.2B | 0 | <0.5 | <0.5 | <0.5 | Advances | Advances | Even |
| | 6105 | 90 | Timing Regulation of Freight Delivery | Public/NGO Submission | n n/a | 1 | car | not be mode | led | car | nnot be mode | led |
| Resilience | 7002 | 91 | I-580/US-101/SMART Marin Resilience Project | MTC/ABAG/BCDC | \$0.2B | 0 | >10 | >10 | >10 | Challenges | Challenges | Challenges |
| | 7005 | 92 | SR-237 Resilience Project (Alviso) | MTC/ABAG/BCDC | \$0.2B | 0 | >10 | n/a | >10 | Even | n/a | Even |
| | 7006 | 93 | I-880 Resilience Project (South Fremont) | MTC/ABAG/BCDC | \$0.1B | 0 | >10 | n/a | n/a | Challenges | n/a | n/a |
| | 7004 | 94 | SR-84 Resilience Project (Dumbarton Bridge, 101 Interchange) | MTC/ABAG/BCDC | \$0.2B | 0 | >10 | n/a | n/a | Challenges | n/a | n/a |
| | 7003 | 95 | US-101 Peninsula Resilience Project (San Antonio Rd, Poplar Ave, Millbrae Ave) | MTC/ABAG/BCDC | \$0.2B | 0 | >10 | n/a | n/a | Challenges | n/a | n/a |
| | 7001 | 96 | VTA LRT Resilience Project (Tasman West) | MTC/ABAG/BCDC | \$0.2B | 0 | 5 | 5 | 8 | Even | Advances | Even |
| | 3200 | 97 | SR-37 Long Term Project (Tolling, Elevation, Interchanges, Widening, Express Bus) | MTC/ABAG/North Bay . | . \$6.0B | 2 | 2 | 2 | 0.7 | Challenges | Challenges | Challenges |

Lifecycle Costs: This includes initial capital cost, annual O&M costs, rehabilitation and replacements costs, and a residual value of the investment at the end of the analysis period, calculated using discounted present value methodology. Refer to Attachment D for details, and for costs as reviewed with sponsors. Note: Societal transfers such as fare/toll revenue (or loss) are excluded from both benefits and costs, following standard practice for societal benefit-cost analyses.

Guiding Principle Flags: Flags, based on qualitative analysis, are intended to draw attention to a direct adverse impact a project may have that may not be captured as part of other assessments. Refer to Attachment C for details.

Benefit-Cost Ratio: All project impacts are measured against a uniform base transportation and land use network in each future, except Resilience projects, which are measured against a baseline where that asset is out of service (hence n/a in some futures). Costs and Benefits to determine the ratio are detailed in Attachment D and E. For inter-regional projects, modeled Bay Area benefits have been multiplied by a factor to reflect the ratio of expected ridership from outside the region. Valley Link/ACE Rail benefit multiplier: 3.3; Caltrain/HSR benefit multiplier: 1.3 (the HSR multiplier is applied in Clean and Green only, the Future where HSR is completely built out).

Equity Score: "Advances" indicates that the project may benefit lower income individuals (below regional median income) more than higher income individuals. "Challenges" indicates that project benefits skew towards higher income individuals. "Even" indicates even distribution of benefits for all income groups.

Note on Bicycle Projects: Improvements to individual bicycle facilities cannot be sufficiently modeled using Travel Model 1.5 (except Bay Bridge West Span since this opens up a connection); Travel Model 2.0 (under development) may allow more advanced analysis in the future. As an interim solution, a single "Enhanced Regionwide Bike Infrastructure" (Project ID 6006) was modeled, supported by off-model assertions based on research literature review. This project does not consider any specific improvements, but instead provides perspective on the benefits of a regionwide bike infrastructure investment (e.g. shared streets, trails, superhighways) on our transportation system.

(Full methodology can be found here: https://mtc.ca.gov/sites/default/files/ProjectPerformance_Methodology.pdf)

Attachment E: Initial Staff Recommendations on Major Projects

Given the requirements for fiscal constraint and the ambitious SB 375-mandated target for per capita greenhouse gas emissions reductions, MTC employs a performance-based planning approach to project selection to ensure that limited regional trade-off revenues (revenues not currently pledged to a specific use) are directed toward projects that support regional goals.

97 major projects were analyzed through the Project Performance Assessment, with Draft Results shared in November 2019 and Final Results shared in January 2020. Final Project Performance Assessment results are found in **Attachment D** for reference. Projects were assessed in three distinct future scenarios using three metrics: benefit/cost ratio, equity score, and Guiding Principles flags. Using the final results, projects were identified as having a performance challenge if they met any of the following criteria.

- Two or more benefit/cost ratios below one
- One or more equity scores with a "Challenges" rating
- One or more Guiding Principles flags

A total of 62 projects were identified as having a performance challenge. The large number of projects with a performance challenge can be attributed to a number of factors. These include best-practice refinements to the benefit-cost methodology - which led to more conservative estimates of cost-effectiveness - and the new quantitative equity score - which highlighted that a number of projects predominantly benefit higher-income users when simulated in the Travel Model.

In previous Plans, projects that did not perform well went through the "compelling case" process, where sponsors highlighted deficiencies in the project performance methodology that resulted in the full benefits of the project not being quantified. Plan Bay Area 2050 takes a different approach to projects with challenges, inviting sponsors to leverage the results of Project Performance to propose project-level alterations or complementary strategies that would improve the performance of their projects. Projects with funding gaps and performance challenges were required to submit a commitment letter to improve their position for regional trade-off revenues to close their funding gap; otherwise, CTAs could assign shares of their forecasted future transportation revenues to close funding gaps or drop the project from consideration in Plan Bay Area 2050. Commitment letters were submitted for 29 of the 62 projects identified as having a performance challenges, all of which will require regional trade-off revenues to close their funding gap; six projects are being advanced through 100% local funding commitments. The remaining projects were not advanced for consideration.

The ultimate goal of the "collaborative space" approach to Project Performance was to allow sponsors and MTC/ABAG to learn from project performance results and modify projects to maximize their benefits to Bay Area residents. Additionally, the "collaborative space" process encourages sponsor-level support for bold regional strategies identified by MTC/ABAG staff for analysis in the Draft Blueprint by offering sponsors the opportunity to endorse strategies and identify them as candidates for implementation at a local level (e.g., integrated fare policy, higher-density zoning around transit stations). While sponsors may not have implementing authority for all strategies, support expressed through the commitment letters will help MTC/ABAG make the case for implementation with the appropriate stakeholders.

A number of sponsors provided meaningful proposals to improve the performance of their projects. Table 1 summarizes examples of commitments and lists example projects; note that the table is not exhaustive.

Table 1. Examples of Performance Commitments (for <u>illustrative purposes only</u>; recommendation on Final Blueprint status still pending)

| Metric | Commitment | Example Project(s) | | | | |
|--------------------|---|---|--|--|--|--|
| | Switch to more cost-effective mode | Brentwood Extension (now Bus Rapid Transit); Dumbarton Rail (now Group Rapid Transit) | | | | |
| B/C Ratio | Reorient to a more limited phase 1 | AC Transit Rapid Network, ReX | | | | |
| B/C Ratio | Increase user base by supporting TOD or new PDAs | Dumbarton Rail; ACE Freq. Increase | | | | |
| | Scale back to study | T-Third Ext. to South San Francisco; SJC Airport People Mover | | | | |
| | Pledge to continue participating in means-based fare pilot | SMART to Cloverdale; WETA Projects | | | | |
| Equity | Support for affordability requirements in station area TODs | Caltrain Enhanced Growth; ACE Freq. Increase | | | | |
| Score | Support for studying means-based fares | SF Congestion Pricing; Regional Hovercraft | | | | |
| | Include means-based toll discount or exemption | Treasure Island Congestion Pricing; SR-37 | | | | |
| | GHG: focus on lane conversions over widenings | Express Lanes | | | | |
| Guiding Principles | Safety: add a multi-use path for cyclists/pedestrians | Union City-Fremont East West Connector; SR-37 | | | | |
| Flag | Construction-related displacement: eliminate displacing structures from scope | ReX; Caltrain Enhanced Growth | | | | |

Due to time and resource constraints, projects were not reanalyzed based on updates to project scope proposed in the commitment letters. Staff appraised projects qualitatively based on the following factors:

- Expected performance with commitment applied: would the commitment make a meaningful improvement or would gains likely be marginal?
- Strength and applicability of the commitment: is this commitment of an appropriate magnitude? How well does it address the challenge?
- **Commitment feasibility:** is this a realistic commitment to make given the sponsor's implementation authority?
- Alignment with Blueprint strategies: does this project support the strategies approved by MTC/ABAG Joint Planning and Administrative Committee in February 2020?
- Strength of local funding commitment: did the CTA prioritize this project with local funding shares? How large is the funding gap that would be met with regional trade-off revenues?

These factors were used to generate initial staff recommendations on a project-level basis, summarized in the tables below by corridor or Bay Area subregion. Information on each project's performance rating and the contents of its commitment letter are included, along with an initial staff recommendation of "include," "consider," or "exclude" in the Final Blueprint strategies. The table notes projects that were not included on CTA lists and which will be dropped from consideration.

- An **Include** rating means that the project has a high likelihood of being integrated into the Final Blueprint strategies, thanks to a combination of performance and/or commitments made.
- A Consider rating means that a final recommendation on the project will be pending further insights from the Draft Blueprint in July - including GHG, equity, and fiscal aspects - as well as any further requested information from the project sponsor.
- An **Exclude** rating means that the project has a low likelihood of being integrated into the Final Blueprint strategies, unless unanticipated future revenues emerge later this summer.

Staff will return in July with an update to these tables to incorporate fiscal-constraint considerations, including final recommendations on whether or not to include projects marked "consider" in a strategy. Crucially, given oversubscription of early years' revenues, the July recommendation will also include a time period for regional discretionary funding and anticipated project delivery (Period 1: 2021-2035 or Period 2: 2036-2050).

Performance

funded study

Major Projects Proposed for Integration into Advance Low-Cost Transit Projects Strategy

Challenges Title Equity **GPs Performance Commitments** Recommendation Sonoma County 100% Locally 2004 Service Freq. Major None None No commitment letter received Funded Increase **BART Core** 2201 None None None No commitment letter needed Include Capacity WETA Ferry: 2602 None None None No commitment letter needed Include Berkeley-SF WETA Service Reduce fare burden via 2600 Frequency Minor None participation in regional means-Include None Increase based fare program **BART** to Silicon 2205 No commitment letter needed Include None None None Valley (Phase 2) E 14th/Mission 3109 **Blvd Corridor** None None None No commitment letter needed Include Project Irvington BART 2209 None None None No commitment letter needed Include Infill Station Alameda Point Include 2008 None None None No commitment letter needed Transit Network 2100 San Pablo BRT None None None No commitment letter needed Include AC Transit Local 2000 Service Freq. None No commitment letter needed Include None None Increase Include with **AC Transit Rapid** Rescope to focus on high-2001 more limited Minor None None Network performing routes scope South East SF 2007 No commitment letter needed Include Transit None None None Improvements 2003 Muni Forward No commitment letter needed Include None None None Treasure Island Project includes an affordability 3001 Congestion program with means-based Include Minor None Major tolls/fares Pricing Downtown SF 3002 Congestion No substantial commitments Include None Major Minor Pricing El Camino Rapid 2103 None Include None Minor No commitment letter needed Geary BRT (Phase 2101 None Minor None No substantial commitments Include Consider per BART DMU to regional 2202 Brentwood BRT None Rescope to BRT Major Major discretionary to Brentwood funding request Reduce scope to focus on high-Consider per performing Express Bus service that I-680 Multimodal regional serves Communities of Concern 5003 Minor None None **Improvements** discretionary Support for transit-supportive land funding request use policy on the corridor Exclude project; WETA Ferry: keep 100% locally 2603 Minor None None No substantial commitments Redwood City-SF

Major Projects Proposed for Integration into <u>Build a Complete Streets Network</u> Strategy

| Performance |
|-------------|
| Challenges |

| | | C | natteng | -J | | |
|-------|--|---------------------------------------|----------------------|------|---|--|
| Title | | B/C | Equity | GPs | Performance Commitments | Recommendation |
| 6006 | Enhanced Regional Bicycle Infrastructure | None None None No co | | | No commitment letter needed | Include |
| 2700 | Bay Bridge West Span Bike Path | Minor | Major | None | Increase usage via e-bike programs in Communities of Concern; reduce costs by removing connection to Treasure Island; explore philanthropic/private funding | Consider |
| 2104 | Better Market Street | Not modelable (no performance rating) | | | No substantial commitments | Consider |
| 6004 | Bay Trail Completion | | modelabl rmance r | | No commitment letter received | Fold into regional Complete Streets strategy |
| 6005 | Regional Bicycle Superhighway Network | Not modelable (no performance rating) | | | No commitment letter received | Exclude |

Major Projects Proposed for Integration into <u>Build a New Transbay Crossing</u> Strategy

Performance Challenges

| | | C | naccing. | -5 | | |
|-------|---|------|----------|------|-----------------------------|---|
| Title | | B/C | Equity | GPs | Performance Commitments | Recommendation |
| 1004 | New Transbay Rail Crossing (BART or Commuter Rail) | None | None | None | No commitment letter needed | Include Phase 1 only, contingent upon fiscal constraint |

2004

SR-12 Widening

Minor

Major

Major

Major Projects Proposed for Integration into <u>Improve Interchanges and Highway Bottlenecks</u> Strategy

Performance Challenges Title Recommendation Equity **Performance Commitments** 100% Locally 3100 SR-239 Freeway Major Major Minor No commitment letter received Funded I-680/SR-4 100% Locally 3101 Interchange + None Minor Minor No commitment letter received Funded Widening 100% Locally SR-4 Operational 3102 No commitment letter received None Minor Minor Improvements Funded SR-4 Widening 100% Locally 3103 (Brentwood to Major Minor Minor No commitment letter received Funded Discovery Bay) 100% Locally 3106 SR-152 Freeway Major Minor Major Rescope to study Funded Rescope to focus on highest-Bay Area Forward 5000 None performing/transit-supportive Include Major Minor (Phase 1) elements Project Performance SR-37 Interim Support for means-based tolls and 3112 Assessment Not Include Improvements fares; inclusion of HOV lanes Required benefitting carpools and transit; Consider per inclusion of multi-use path to SR-37 Widening + 3200 None Major Major reg. discretionary Resilience improve safety funding request Consider per I-80/I-680/SR-12 further 3104 Interchange + None Minor Major No substantial commitments commitments to Widening improve GHG performance Consider per Union Cityfurther Includes a multi-use path to 3110 Fremont East-None commitments to None Minor improve safety West Connector improve GHG performance Consider Phase 1 project, SR-262 Mission Open to phasing between Period 1 contingent on 3109 Major Minor Major Blvd and Period 2 (2036-50) additional information Alameda County 2005 BRT Network + None None No commitment letter received Not in CTA List Major CV Corridors Reversible Lanes on Top 10 6104 Not in CTA List Congested Major Minor Minor No commitment letter received Bridges and **Freeways**

No commitment letter received

Not in CTA List

Major Projects Proposed for Integration into <u>Increase Existing Rail Capacity and Frequency by</u> Modernizing the Network Strategy

| | | _ | rformar hallenge | | | | |
|----------------------|---|-------|---------------------|-------|--|--|--|
| Title | | B/C | Equity | GPs | Performance Commitments | Recommendation | |
| 2302 | Caltrain Enhanced Growth (revision to Caltrain Base Growth) | Major | None | Major | Reduce scope by eliminating nonessential grade separations; reduce fare burden via participation in regional meansbased fare program; support for transit-supportive land use policy on the corridor | Consider per regional discretionary funding request | |
| 2312 | ACE 10 Daily Round Trips | None | Major | None | Commitment to means-based fares and support for fare integration Support for transit-supportive land | Consider per regional discretionary funding request | |
| 2309 | Altamont Vision Phase 1 | Minor | Major | None | use policy in station areas | Exclude | |
| 2301 2303 | Caltrain High & Moderate Growth | Minor | Major | Major | No commitment letter received | Not in CTA List | |
| 2400 | Downtown San Jose Subway | Major | None | None | Support for transit-supportive land use policy on the corridor | Not in CTA List | |
| 2401 | North San Jose LRT Subway | Major | None | None | No commitment letter received | Not in CTA List | |
| 2409 2410 2411 | VTA LRT Grade Separation, Expansion, & Automation | Major | None | Minor | No commitment letter received | Not in CTA List | |
| 2407 | Muni Metro Southwest Subway | Major | Minor | None | No commitment letter received | Not in CTA List | |
| 2310 | Megaregional Rail | Major | Major | Major | No commitment letter received | Not in CTA List | |

${\bf Major\ Projects\ Proposed\ for\ Integration\ into\ \underline{Expand\ Regional\ Rail\ Network}\ Strategy}$

| Performance |
|-------------|
| Challenges |

| Title | | B/C | Equity | GPs | Performance Commitments | Recommendation |
|-------|---|-------|--------|-------|--|--|
| 2403 | Vasona LRT (Phase 2) | Minor | None | None | No commitment letter received | 100% Locally Funded |
| 2308 | Valley Link (Bay Area Segment) | None | None | None | No commitment letter needed | Include |
| 2300 | Caltrain Downtown Extension | Minor | Major | None | No substantial commitments | Consider contingent on new Transbay rail crossing |
| 2206 | BART to Cupertino Stevens Creek LRT | Major | None | None | Rescope to light rail to reduce costs; support for transit-supportive land use policy on the corridor | Consider per regional discretionary funding request |
| 2306 | Dumbarton Rail | Major | Minor | None | Rescope to LRT Increase usage via TOD in East Bay PDAs | Consider pending PDA applications |
| 2402 | San Jose Airport People Mover Planning/Env. | Major | Minor | None | Rescope to planning/environmental | Exclude project; keep 100% locally funded study |
| 2408 | Muni Metro to South San Francisco | Major | Major | None | Rescope to study | Exclude project; keep 100% locally funded study |
| 3105 | SMART to Cloverdale | Major | Major | None | Reduce fare burden via participation in regional means-based fare program; discounted transfers to several local transit systems | Exclude |
| 2305 | SMART to Solano | Major | Major | None | No substantial commitments | Exclude |
| 6002 | SMART to Richmond via New RSR Bridge | Major | Major | Major | No commitment letter received | Not in CTA List |
| 2204 | I-680 BART | Major | None | None | No commitment letter received | Not in CTA List |
| 2208 | BART from Millbrae to Silicon Valley | Major | None | None | No commitment letter received | Not in CTA List |
| 2207 | BART to Gilroy | Major | None | Minor | No commitment letter received | Not in CTA List |
| 2412 | SR-85 Rail | Minor | Minor | None | No commitment letter received | Not in CTA List |
| 4003 | South Bay Maglev Loop | Major | Major | Minor | No commitment letter received | Not in CTA List |

Performance

Major Projects Proposed for Integration into <u>Build an Integrated Regional Express Lane and</u> Express Bus Network Strategy

Challenges Title **Performance Commitments** Recommendation Eauity Golden Gate Project Performance Need for commitment letter TBD (dependent on 2604 Transit Bus and Assessment in progress **TBD** performance results) Ferry Upgrades Rescope to eliminate BART to I-80 Busway + 2203 Major Major None 100% Locally Funded **BART to Hercules** Hercules SR 85 Express 3000 Lanes: US-101 to Minor Major Minor 100% Locally Funded Mountain View^{1,2} I-880 Express 3000 Lanes: SR-237 to Minor Minor 100% Locally Funded Major US-101^{1,2} SR-87 Express 3000 Lanes: US-101 to Minor Major Minor 100% Locally Funded SR-85^{1,2} US-101 Express Lanes: SM County 3000 Minor Minor Major 100% Locally Funded to Morgan Hill^{1,2} **I-280 Express** Lanes: US-101 to 3000 Minor Major Minor 100% Locally Funded Magdalena Avenue^{1,2} I-680 Express Lanes (NB): 3000 Minor Minor 100% Locally Funded Livorna to Major Benicia-Martinez Bridge^{1,2} Increase focus on lane **I-680 Express** Lanes: Beniciaconversions and invest in 3000 Minor Major Minor 100% Locally Funded Martinez Bridge regional express bus service and HOV Bypass **I-680 Express** 3000 Lanes: SR-237 to Minor Major Minor 100% Locally Funded US-101^{1,2} I-680 Express Include, contingent Lanes (NB): SRon expanded equity 3000 Minor Major Minor commitments (e.g., 84 to Automall Pkwy Ph. 1^{1,2} means-based tolls) Include, contingent I-680 Express on expanded equity 3000 Lanes (SB): SR-84 Minor Minor Major commitments (e.g., to Alcosta Ph. 11 means-based tolls) **I-680 Express** Include, contingent Lanes (NB): on expanded equity 3000 Automall Pkwy to Minor Major Minor commitments (e.g., SC County Line means-based tolls) Ph. 2^{1,2} **I-680 Express** Include, contingent Lanes (NB): SR-84 on expanded equity 3000 Minor Major Minor commitments (e.g., to Alcosta Ph. means-based tolls)

Performance

Major Projects Proposed for Integration into <u>Build an Integrated Regional Express Lane and Express Bus Network Strategy</u> (continued)

Challenges Title B/C Equity **Performance Commitments** Recommendation Include, contingent **US-101 Express** on expanded equity 3000 Lanes: I-380 to SF Minor Major Minor commitments (e.g., County Line^{1,2} means-based tolls) 3000 I-80 Express Include, contingent Lanes: Carquinez on expanded equity Minor Major Minor commitments (e.g., Bridge to Bay Bridge Toll Plaza means-based tolls) 3000 **I-80 Express Include**, contingent Lanes: SR-37 on expanded equity Minor Major Minor Carquinez commitments (e.g., Bridge^{1,2} means-based tolls) 3000 Include, contingent I-80 Express on expanded equity Lanes: Red Top Minor Major Minor commitments (e.g., Rd to SR-37 means-based tolls) 3000 Include, contingent I-80 Express on expanded equity Lanes: I-505 to Minor Major Minor commitments (e.g., Red Top Rd means-based tolls) 3000 Include, contingent I-80 WB Bay on expanded equity Bridge HOV Minor Minor Major commitments (e.g., Bypass Lane Increase focus on lane means-based tolls) 3000 I-880 Express Include, contingent conversions and invest in Lanes (NB): regional express bus service on expanded equity Minor Major Minor Hegenberger Rd commitments (e.g., to Lewelling Blvd means-based tolls) 3000 **I-880 Express** Include, contingent Lanes (NB): on expanded equity Minor Major Minor commitments (e.g., Hegenberger Rd to Bay Bridge means-based tolls) 3000 I-580 Express **Include**, contingent Lanes: Greenville on expanded equity Rd to San Minor Major Minor commitments (e.g., Joaquin County means-based tolls) Line 3000 Include, contingent I-580 Express on expanded equity Lanes: Bay Bridge Minor Major Minor commitments (e.g., to I-238 means-based tolls) 3000 Include, contingent I-580 Express on expanded equity Lanes: I-238 to I-Minor Major Minor commitments (e.g., 680 means-based tolls) 3000 **Include**, contingent SR-84 WB: on expanded equity Minor Dumbarton Major Minor commitments (e.g., Bridge Toll Plaza means-based tolls)

Bridges

Major Projects Proposed for Integration into Build an Integrated Regional Express Lane and Express Bus Network Strategy (continued)

| | | | rformar halleng | | | |
|-------|--|-------|--------------------|-------|---|---|
| Title | B/C | B/C | Equity | GPs | Performance Commitments | Recommendation |
| 3000 | SR-92 WB: San Mateo Bridge Toll Plaza | Minor | Major | Minor | Include, continge on expanded equi commitments (e.g. means-based tolls | |
| 3000 | SR-4 Express Lanes: Hillcrest Ave to I-680/SR-4 Interchange | Minor | Major | Minor | Increase focus on lane conversions and invest in | Include, contingent on expanded equity commitments (e.g., means-based tolls) |
| 3000 | SR-85 Express Lanes: SR-237 to SR-87 (dual) | Minor | Major | Minor | regional express bus service | Include, contingent on expanded equity commitments (e.g., means-based tolls) |
| 3000 | US-101/I-280 Express Lanes: SM County Line to 3 rd St ^{1,2} | Minor | Major | Minor | | Include, contingent on expanded equity commitments (e.g., means-based tolls) |
| 3003 | SF Express Bus on Express Lanes | Minor | Major | None | Rescope to remove arterial HOV lanes; commitment to increase bus service in CoCs | Include |
| 2002 | AC Transit Transbay Service Freq. Increase | None | Major | None | Explore new routes serving lower-income riders in East Oakland and West Contra Costa | Include with more limited scope |
| 6020 | ReX Green Line (Vallejo to SFO via SF Transbay) 1 | Minor | Major | Minor | Rescope to reduce routes | Include |
| 6020 | ReX Blue Line (SF Transbay to Diridon) ¹ | Minor | Major | Minor | based on performance and alignment with Express Lanes and Communities of Concern; | Consider as basic express bus |
| 6020 | ReX Red Line (DT Oakland to Redwood City via Dumbarton) ¹ | Minor | Major | Minor | offer means-based fares and free/reduced cost transfers | Consider as basic express bus |
| 6003 | I-80 Corridor Overhaul | Major | Major | None | No commitment letter received | Not in CTA List |
| 6021 | BRT on All Bridges | Major | None | None | No commitment letter received | Not in CTA List |

received

Minor

None

Minor

No commitment letter received

4001

AV Network

Not in CTA List

Major Projects Proposed for Integration into <u>Advance Other Regional Programs and Local</u> **Priorities** Strategy

| Performance Challenges | | | | | | |
|---------------------------|--|-------|--------|-------|--|--|
| Title | | B/C | Equity | GPs | Performance Commitments | Recommendation |
| 4002 | Contra Costa AV Shuttle Program | Major | Major | None | Rescope to study | 100% Locally Funded |
| 4004 | Regional Hovercraft Network | Major | Minor | None | Increase usage via first/last mi shuttles; include means-based fares | Exclude project; keep 100% locally funded pilot route |
| 7003 | VTA LRT SLR Project | None | None | None | No commitment letter needed | Include |
| 7005 | SR-237 SLR Project | None | None | None | No commitment letter needed | Include |
| 7004 | US-101 Peninsula Resilience | None | None | None | No commitment letter needed | Include |
| 7001 | Marin I-580/US- 101 Resilience Project | None | None | None | No commitment letter needed | Include |
| 2304 | US-101 Coyote Creek Resilience Project | None | None | None | No commitment letter needed | Include |
| 7006 | I-880 Resilience Project | None | None | None | No commitment letter needed | Include |
| 7002 | Dumbarton Bridge Resilience | None | None | None | No commitment letter needed | Include |
| 4000 | Oakland/ Alameda Gondola Network | Minor | None | Minor | No commitment letter received | Not in CTA List |
| 4001 | Mountain View | Minor | None | Minor | No commitment letter received | Not in CTA List |

Attachment F: Initial Concept for Final Blueprint (Transportation Element)

(all estimates in billions of year-of-expenditure dollars; RD = regional discretionary funding)

| | Include | | Include + Consider | | |
|---|---------|-------|--------------------|-------|--|
| | RD | Total | RD | Total | |
| Operate and Maintain the Existing System | | | | | |
| Maintain Local Streets | 0 | 44 | 18 | 62 | |
| Maintain Highways and Bridges | 0 | 49 | 0 | 49 | |
| Maintain Public Transit Capital | 18 | 54 | 23 | 59 | |
| Maintain Transit Operations (at 2021 levels) | 0 | 208 | 0 | 208 | |
| Draft Blueprint Strategies | | | | | |
| Enable Seamless Mobility with Unified Trip Planning and Fare Payments | 1 | 1 | 1 | 1 | |
| Reform Regional Transit Fare Policy | 10 | 10 | 11 | 12 | |
| Implement Per-Mile Tolling on Congested Freeways with Transit Alternatives | 1 | 1 | 1 | 1 | |
| Build a Complete Streets Network | 7 | 9 | 9 | 13 | |
| Advance Regional Vision Zero Policy through Street Design and Reduced Speeds | 1 | 2 | 3 | 5 | |
| Advance Low-Cost Transit Projects | 9 | 35 | 15 | 44 | |
| Build a New Transbay Rail Crossing | 27 | 29 | 27 | 29 | |
| Final Blueprint Strategies (Proposed) | | | | | |
| Accelerate Restoration of Transit Operations (to 2019 levels) | 3 | 3 | 3 | 3 | |
| Increase Existing Rail Capacity and Frequency by Modernizing the Network | 0 | 5 | 9 | 16 | |
| Extend the Regional Rail Network | 3 | 4 | 13 | 17 | |
| Build an Integrated Regional Express Lane and Express Bus Network | 2 | 3 | 4 | 6 | |
| Improve Interchanges and Address Highway Bottlenecks | 3 | 9 | 10 | 18 | |
| Advance Other Regional Programs and Local Priorities | 1 | 8 | 5 | 14 | |
| TOTAL EXPENDITURES | 86 | 474 | 152 | 557 | |



Metropolitan Transportation Commission

Legislation Details (With Text)

File #: 20-0778 Version: 1 Name:

Type: Report Status: Informational

File created: 5/5/2020 In control: Regional Advisory Working Group

On agenda: 6/9/2020 Final action:

Title: Plan Bay Area 2050: Final Phase - Environmental Impact Report (EIR) and Beyond

Highlights of the latest Plan Bay Area 2050 schedule, noting upcoming milestones related to the Final

Blueprint and kicking off the Environmental Impact Report (EIR) and Implementation Plan.

Sponsors:

Indexes:

Code sections:

Attachments: 03 PBA2050-EIR and Beyond.pdf

Date Ver. Action By Action Result

Subject:

Plan Bay Area 2050: Final Phase - Environmental Impact Report (EIR) and Beyond

Highlights of the latest Plan Bay Area 2050 schedule, noting upcoming milestones related to the Final Blueprint and kicking off the Environmental Impact Report (EIR) and Implementation Plan.

Presenter:

Chirag Rabari

Recommended Action:

Information

Attachments:

Metropolitan Transportation Commission and the Association of Bay Area Governments Regional Advisory Working Group

June 9, 2020 Agenda Item 3

Plan Bay Area 2050: Final Phase - Environmental Impact Report (EIR) and Beyond

Subject: Highlights of the latest Plan Bay Area 2050 schedule, noting upcoming

milestones related to the Final Blueprint and kicking off the Environmental Impact Report (EIR) and Implementation Plan.

Background: Plan Bay Area 2050: Final Phase - Environmental Impact Report (EIR)

and Beyond will be presented to the Joint MTC Planning Committee with

the ABAG Administrative Committee on June 12, 2020.

Staff will be at your June 9, 2020 meeting to discuss this report. The

Working Group's input is requested.

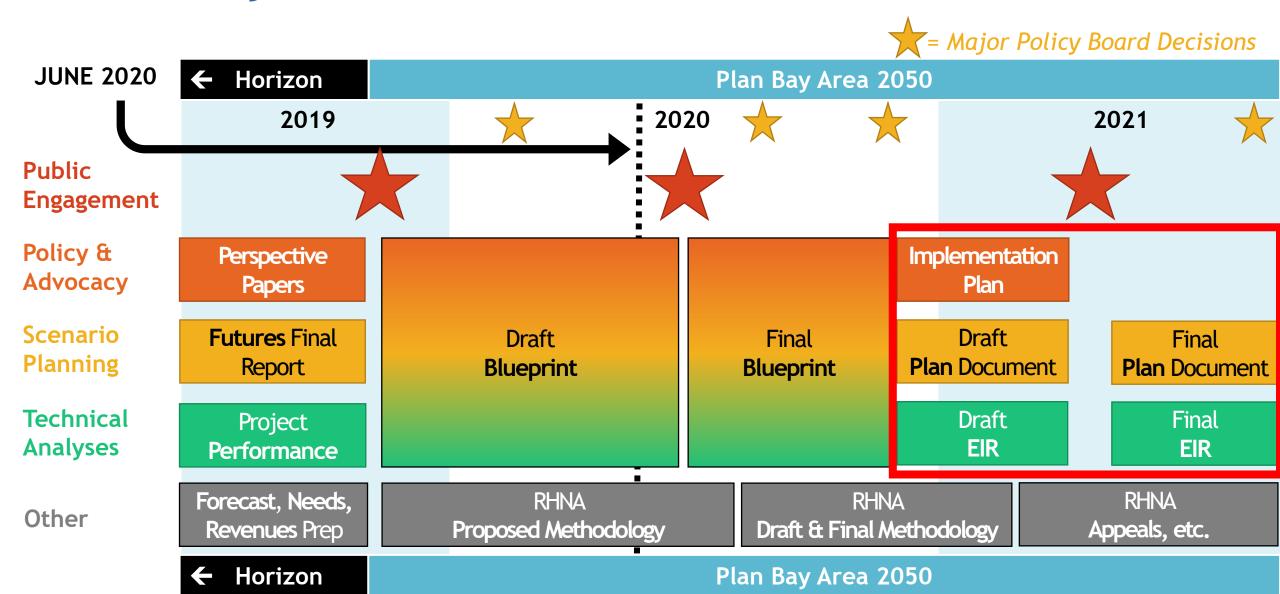
Attachments: Attachment A: Presentation

Attachment B: Agenda Item 3b from the June 12, 2020 Joint MTC

Planning Committee with the ABAG Administrative Committee meeting



Plan Bay Area 2050 & RHNA: Schedule



Plan Bay Area 2050 Blueprint: Recent & Upcoming Milestones



Draft Blueprint

- Strategies and Growth Geographies approved for analysis in **February 2020**
- Release in summer 2020, with robust stakeholder & public engagement

Final Blueprint

- Opportunity for further refinements to Strategies and Growth Geographies
- Action anticipated in September 2020

Plan Bay Area 2050 Final Phase Components

Environmental Impact Report

- <u>Purpose</u>: Comply with CEQA and inform the public of the Plan's environmental impacts
- The Environmental Impact Report (EIR) must identify mitigation measures and evaluate plan alternatives to minimize impacts

Implementation Plan

- <u>Purpose</u>: Focus on short-term actions that MTC/ABAG and partners can take to implement the Plan's strategies over the next 1-5 years
- The Implementation Plan will play a role in getting the region "back on track" as it recovers from impacts induced by COVID-19

Plan Document

- <u>Purpose</u>: Distill the Plan's vision, assumptions, requirements, strategies and implementation actions into a single place
- The Plan Document is the Plan's primary outward, public-facing deliverable

Near-Term Actions Related to Final Phase

EIR: Notice of Preparation & Public Scoping

- The EIR process will kick off in **early fall 2020** with the Notice of Preparation (NOP) and associated public scoping meetings.
- The NOP informs the public of the lead agency's intent to prepare an EIR and seeks comments about its scope and content.
- Scoping meetings provide the public and public agencies with an opportunity to learn more about the Plan and provide another venue to submit comments regarding issues the EIR should address.



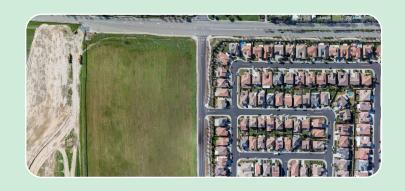
Near-Term Actions Related to Final Phase

Implementation Plan Kickoff

- Expanding upon Plan Bay Area 2040's "Action Plan", the Implementation Plan will focus on maximizing the viability of the Plan's transportation, housing, economic, and environmental strategies.
- The process will engage Bay Area residents, local governments, civic organizations, non-profits, and stakeholders to identify and tackle shared challenges through 2025, starting in fall 2020.



Final Phase: Key Milestones







EIR

- Consultant Selection: Summer 2020
- Scoping Process: September 2020
- Analysis Phase: Fall 2020 Winter 2021
- Draft EIR Release: Spring 2021Final EIR Release: Fall 2021

Implementation Plan

- Stakeholder Workshops: Fall 2020
- Feedback & Direction from Committees: Fall 2020
- Public Release: Spring 2021
- Integration in Final Plan: Summer 2021

Plan Document

- Concept & Design: Spring 2020
- Writing & Editing: Fall 2020 Winter 2021
- Draft Plan Release: Spring 2021
- Final Plan Release: Fall 2021

COVID-19: Potential Risks to Final Phase?

- Staff will continue monitoring for, and attempt to mitigate, any potential risks to outreach, engagement, overall schedule, and process.
- Federal and state statutes continue to require Plan adoption in 2021 to avoid adverse impacts to project delivery and funding.





PLAN BAY AREA 2050

Questions? Clarifications?

For the EIR, contact Adam Noelting at <u>anoelting@bayareametro.gov</u>
For the Implementation Plan, contact Chirag Rabari at <u>crabari@bayareametro.gov</u>

Metropolitan Transportation Commission MTC Planning Committee

June 12, 2020 Agenda Item 3b

Plan Bay Area 2050: Final Phase - Environmental Impact Report (EIR) and Beyond

Subject: Highlights of the latest Plan Bay Area 2050 schedule, noting upcoming

milestones related to the Final Blueprint and kicking off the Environmental

Impact Report (EIR) and Implementation Plan.

Background:

Following approval of the Plan Bay Area 2050 Draft Blueprint Strategies and Growth Geographies for analysis in February 2020 by the MTC and ABAG boards, staff have been conducting modeling and analysis in preparation of the release of the Draft Blueprint this summer. Following robust engagement with the public, key stakeholders, and elected officials, there will be an opportunity to further refine the Growth Geographies and Strategies for the Final Blueprint, with action anticipated in September 2020. This refinement opportunity will include the consideration of recommendations from the Blue-Ribbon Transit Recovery Task Force, which has been convened by MTC to lead the re-emergence of stronger, more connected, and more resilient transit in the wake of COVID-19.

However, approval of the Final Blueprint does not mark the end of the long-range planning process for Plan Bay Area 2050. The final phase of the planning process will stretch from fall 2020 to fall 2021 and will include the development of the **Environmental Impact Report**, the **Implementation Plan**, and the **Plan Document**. The remainder of this memorandum describes these upcoming deliverables, highlighting the primary purpose and timeline associated with each.

EIR

The purpose of the Plan Bay Area 2050 EIR will be to comply with the requirements of the California Environmental Quality Act (CEQA), as well as other applicable provisions of state and federal law. The EIR will inform decision-makers, responsible and trustee agencies, and the public of the potential environmental impacts of implementing the transportation, housing, economic and environmental strategies proposed in the Final Blueprint. The EIR will also identify feasible mitigation measures and evaluate a range of plan alternatives to minimize the significant adverse impacts that are identified. While MTC/ABAG staff are anticipated to take on a more comprehensive role than in prior long-range plans, staff anticipates bringing a consultant contract for environmental analysis services to the MTC Administration Committee for approval this summer.

The EIR process will kick off in early fall 2020 with the Notice of Preparation (NOP) and associated public scoping meetings. In accordance with CEQA Guidelines, the NOP informs the public of the lead agency's intent to prepare an environmental impact report (EIR) and seeks comments about the scope and content of the EIR. As a related action, scoping meetings are held to provide the public and public agencies with the opportunity to learn more about Plan Bay Area 2050 and provide another venue to submit comments regarding the issues that should be addressed in the EIR. In light of ongoing anticipated impacts from COVID-19, public outreach and engagement staff are evaluating how EIR scoping meetings can be conducted in accordance with both CEQA and public health guidelines.

Subsequent to scoping, the analysis phase of the EIR is anticipated to run through early 2021; later milestones involving Executive Board and Commission review and approval include the release of the Draft EIR in spring 2021 and release of the Final EIR in fall 2021.

Implementation Plan

In Plan Bay Area 2040, MTC and ABAG pioneered an "Action Plan" to focus on areas where the plan's performance was moving in the wrong direction and to address emerging policy issues. For Plan Bay Area 2050, staff are proposing an Implementation Plan that will focus on short-term, tangible actions that ABAG, MTC, and their partners can take to implement adopted strategies across the four core elements of the Plan. By working to maximize the viability of the Plan's strategies, the Implementation plan will play a key role in getting the region "back on track" as it recovers from a likely economic recession caused by impacts from COVID-19 over the next one-to-five years.

The Implementation Plan process will engage Bay Area residents, local governments, civic organizations, non-profits, and other stakeholders to identify and tackle these shared challenges through 2025. The Implementation Plan will kick off in late summer.

Plan Document

The Plan Document is the primary outward, public-facing deliverable of Plan Bay Area 2050, distilling the Plan's vision, assumptions, requirements, strategies and implementation actions into a single, accessible document. Staff are currently exploring document design and content organization concepts, as well as determining how federal and state statutory requirements can best be addressed in the Plan Document and its associated supplemental reports. The Draft Plan Document will be released in spring 2021 and the Final Plan Document will be released in fall 2021; both will require Commission and Executive Board review and approval.

Issues:

Staff will continue monitoring the COVID-19 situation as relates to potential impacts to planned public outreach and engagement, as well as the overall process and schedule for Final Phase elements.

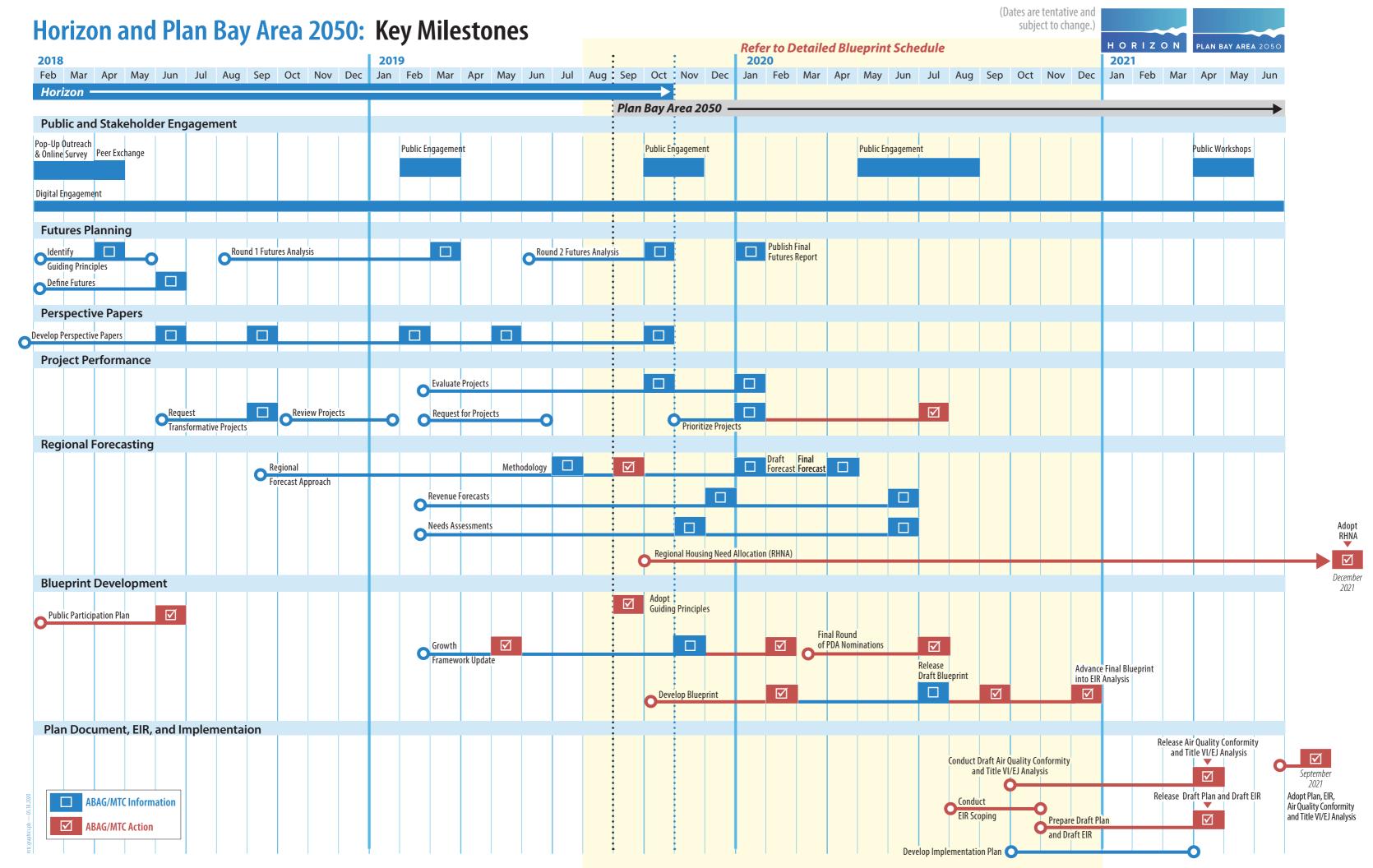
Next Steps:

Staff will move forward with all Final Phase elements and keep the Commission and Executive Board appraised of relevant developments.

Recommendation: Information

Attachments: Attachment A: Horizon and Plan Bay Area 2050: Key Milestones

Therese W. McMillan





Metropolitan Transportation Commission

Legislation Details (With Text)

File #: 20-0783 Version: 1 Name:

Type: Report Status: Informational

File created: 5/5/2020 In control: Regional Advisory Working Group

On agenda: 6/9/2020 Final action:

Title: Plan Bay Area 2050: Digital Alternatives for Round 2 Public Engagement

Overview of digital alternatives to in-person public engagement activities for Plan Bay Area 2050's second round of engagement (spring/summer 2020), which focuses on obtaining public and

stakeholder input on the Plan's Draft Blueprint.

Sponsors:

Indexes:

Code sections:

Attachments: 04 PBA50-Rev R2 Public Engagement.pdf

Date Ver. Action By Action Result

Subject:

Plan Bay Area 2050: Digital Alternatives for Round 2 Public Engagement

Overview of digital alternatives to in-person public engagement activities for Plan Bay Area 2050's second round of engagement (spring/summer 2020), which focuses on obtaining public and stakeholder input on the Plan's Draft Blueprint.

Presenter:

Ursula Vogler

Recommended Action:

Information

Attachments:

Metropolitan Transportation Commission and the Association of Bay Area Governments Regional Advisory Working Group

June 9, 2020 Agenda Item 4

Plan Bay Area 2050: Digital Alternatives for Round 2 Public Engagement

Subject: Overview of digital alternatives to in-person public engagement activities

for Plan Bay Area 2050's second round of engagement (spring/summer 2020), which focuses on obtaining public and stakeholder input on the

Plan's Draft Blueprint.

Background: Plan Bay Area 2050: Digital Alternatives for Round 2 Public Engagement

will be presented to the Joint MTC Planning Committee with the ABAG

Administrative Committee on June 12, 2020.

Staff will be at your June 9, 2020 meeting to discuss this report. The

Working Group's input is requested.

Attachments: Attachment A: Presentation

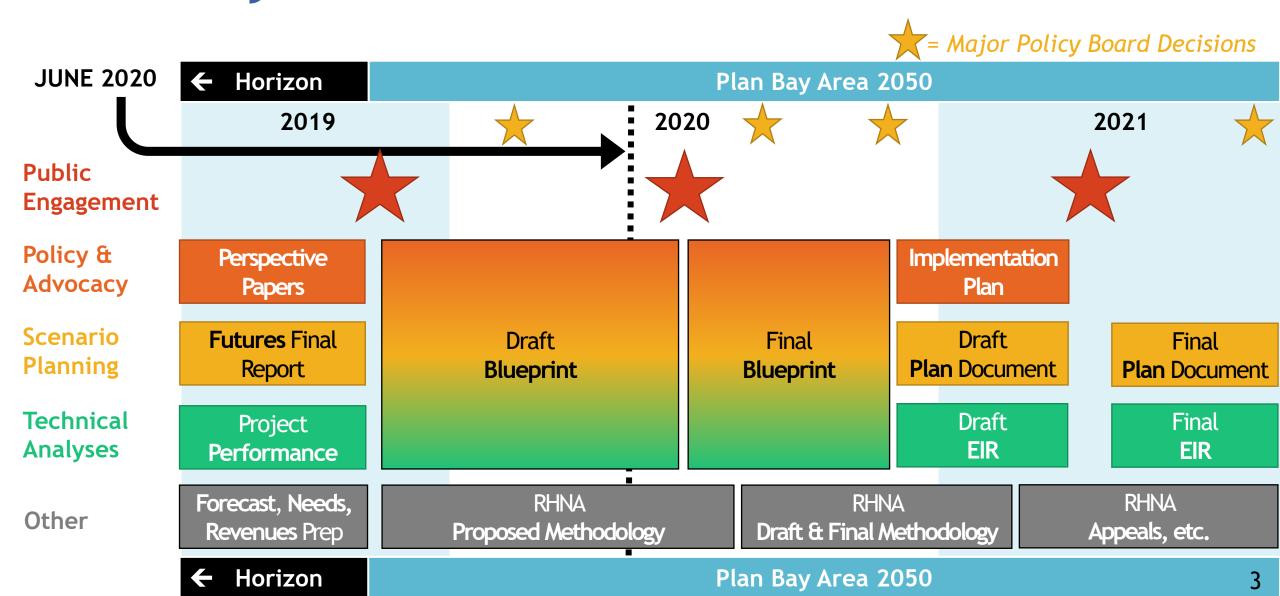
Attachment B: Agenda Item 3c from the June 12, 2020 Joint MTC

Planning Committee with the ABAG Administrative Committee meeting





Plan Bay Area 2050: Schedule



Plan Bay Area 2050 Round 2 Engagement

Round 1: Fall 2019

Round 2: Spring & Summer 2020

- Preparation: Spring 2020
- Round 2A: May and June 2020
- Round 2B: July and August 2020

Round 3: Spring 2021



Preparation: Spring 2020

Focus Area

Prepare promotional campaign and engagement materials

Tactics

1. Digital Promotion:

- a. Interactive Campaign on Draft Blueprint Outcomes
- b. Digital WorkshopPromotion
- 2. Video on Draft Blueprint: Strategies Overview



Round 2A: Input on Strategies in Draft Blueprint (May and June 2020)

Focus Area

Receive input on key strategies from Draft Blueprint

Tactics

- 1. CBO Focus Groups: receive input on Blueprint strategies
- 2. Digital Coffee Conversation: focused discussion on climate resilience
- **3. Ongoing Webinars** for Stakeholders
- **4. Telephone Poll:** design in June; in field by July



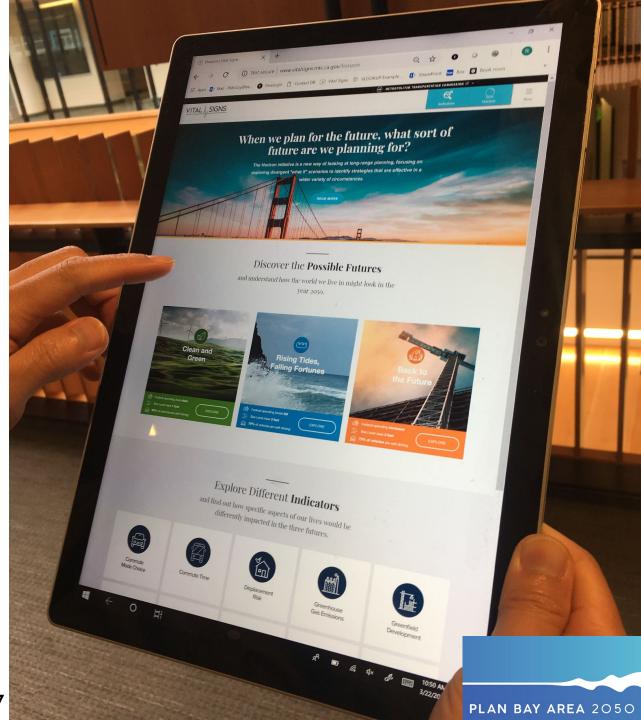
Round 2B: Input on Outcomes of Draft Blueprint (July and August 2020)

Focus Area

Receive input on outcomes highlighted in the Draft Blueprint

Tactics

- 1. Digital Workshops: up to 15 public workshops to be held from mid-July to mid-August
- 2. Non-Digital Engagement: a suite of non-digital options for those with limited internet access
- **3. Digital Tribal Summit:** in lieu of in-person summit



Next Steps:

- Now: Wrap-up CBO focus groups and continue preparation work
- Early July: Release digital promotion campaign and video
- Mid-July to Mid-August: Conduct digital workshops, tribal summit and non-digital engagement; release poll
- September 2020: Present public engagement results to committees in advance of action on Final Blueprint





Metropolitan Transportation Commission MTC Planning Committee

June 12, 2020 Agenda Item 3c

Plan Bay Area 2050: Digital Alternatives for Round 2 Public Engagement

Subject:

Overview of digital alternatives to in-person public engagement activities for Plan Bay Area 2050's second round of engagement (spring/summer 2020), which focuses on obtaining public and stakeholder input on the Plan's Draft Blueprint.

Background:

As the Bay Area contends with the novel coronavirus (COVID-19) pandemic that requires residents to maintain physical distancing, MTC/ABAG staff are seeking alternatives for planned in-person public engagement activities originally envisioned for spring/summer 2020. While COVID-19 has created severe challenges for many Bay Area residents, we are seeking to not only maintain but expand our level of public engagement during this difficult time. By leveraging a suite of digital approaches – which may allow us to better reach under-represented groups that have historically faced barriers to participation – we are striving to reach a broader audience of Bay Area residents than ever before.

Last summer, staff presented the Plan Bay Area 2050 public engagement strategy to the MTC Planning and ABAG Administrative Committees, which highlighted a variety of formats for in-person workshops for the Plan's second round. As a reminder, Plan Bay Area engagement is conducted in three phases or rounds, which correspond to key milestones in the Plan. Currently, the Plan is in its second round, which will culminate in the release of the Plan's Draft Blueprint. The proposed activities for this round had involved a variety of in-person options, including open house-style workshops, focus groups and meetings. Because of the recent limitations to public gatherings and the uncertainty surrounding the timing of shelter-in-place orders, staff have created a suite of newly-adapted digital engagement tactics that will supersede previously proposed activities for 2020, outlined in Attachment A. While the means of conducting the public engagement will be different, we will be seeking feedback on the same critical milestone – the release of the Draft Blueprint – as well as input on how to refine it further in the Final Blueprint phase.

Importantly, considerations about the public outreach requirement in Senate Bill 375 (SB 375) guide the ability to count digital engagement toward the in-person requirement¹. However, we do anticipate that the public health emergency will continue this summer and that restrictions on in-person gatherings will require MTC and ABAG to hold digital workshops to ensure the health and safety of the public. We are monitoring the situation closely, however, and will reassess the situation if things change.

Next Steps:

Staff will use the input from Round 2 public engagement to inform strategy revisions for the Plan Bay Area 2050 Final Blueprint. Staff will return to this committee with a consolidated report on the results of the Round 2 public engagement in September 2020.

¹ SB 375 requires three in-person workshops for counties with more than 500,000 people (Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara, Sonoma) and one in-person workshop for counties with fewer than 500,000 people (Marin, Napa, Solano).

Page 2 of 2

Recommendation: Information

Attachments: Attachment A: Digital Alternatives for Plan Bay Area 2050 Public Engagement

Therese W. McMillan



ATTACHMENT A

Digital Alternatives for Plan Bay Area 2050 Public Engagement

Due to the novel coronavirus (COVID-19) pandemic and associated limitations to public gatherings, staff has developed a revised Plan Bay Area 2050 Round 2 public engagement approach, focusing on a suite of digital engagement tactics. The engagement will focus on the Plan's Draft Blueprint, slated for release this summer, as MTC/ABAG consider any further refinements for the Final Blueprint this fall. Details of the digital engagement tactics are outlined below, separated into three timeframes.

1. Preparation: Spring 2020

a. <u>Digital Promotion of Plan Bay Area 2050's Draft Blueprint</u>

The MTC/ABAG social media team have created a digital promotion campaign for the Plan's Draft Blueprint. Similar to the successful promotion of the Plan's first round of engagement, the campaign will promote key aspects of the Draft Blueprint online to the Plan's target audience. The digital promotion campaign will include the following two components, with the campaign debuting in early July and concluding in mid-August.

- i. <u>Interactive campaign on Draft Blueprint's outcomes</u>: Creation of an interactive promotional campaign to be used specifically for social media channels and the Plan Bay Area 2050 website, paired with interactive elements (e.g., video, survey). This campaign is aimed at increasing the Plan's participant base and getting key input from its target audience; and
- ii. <u>Promotional campaign for Digital Workshops on Draft Blueprint's outcomes</u>: Creation of a campaign that will promote the digital workshops to be held via Zoom (more on digital workshops in Round 2: July and August timeframe below).

b. Animated Video

The video will be used to explain the strategies from the Draft Blueprint and will be used as an educational piece for the public. The video is scheduled to be released in mid-to-late June and will be promoted via our social media channels.

2. Round 2: May and June 2020 Timeframe

a. Statistically Valid Telephone Poll

The poll has been a key public engagement component for the past several Plans, providing useful data to the Commission and ABAG Board about various Plan elements. This Plan's poll will ask the Bay Area public about the 25 Blueprint strategies approved for study in February 2020, all of which aim to make the Bay Area more affordable, connected, diverse, healthy and vibrant by the year 2050. The results of the poll will provide key data to assist the Commission and ABAG Board in refining the Final Blueprint, which is slated for

approval in fall 2020. Work on the poll is underway with plans to go into the field in July.

b. <u>Community-Based Organizations (CBOs)</u>: <u>Digital Focus Groups</u>
In lieu of the planned in-person focus groups for the CBOs, staff conducted focus groups in a digital format. The focus groups have served as listening sessions for the participants, who provided input on ways to improve or alter the Draft Blueprint's strategies in advance of the Final Blueprint. The focus groups have included a presentation and an open discussion session that sought input on current challenges as well as strategies that would help address these challenges.

In order to lessen obstacles for CBO participants to participate digitally, staff provided both a webinar and conference call option. Staff scheduled seven focus groups, six of which occurred in the month of May. The final focus group will be held in mid-June. These focus groups have been very successful as participants have been able to provide input on transportation, housing, environmental and economic issues that affect them, while also providing input on the strategies in the Draft Blueprint.

c. Webinars and Coffee Conversations (ongoing)

Since the launch of Plan Bay Area 2050 last fall, staff have successfully used webinars as a tool to disseminate key information and engage partners and stakeholders. The webinars have continued to provide information on elements of the Draft Blueprint and serve as important tool to seek input from partners, stakeholders and informed members of the public.

Coffee Conversations bring together partners, stakeholders, private sector business groups and/or members of the public with MTC/ABAG staff in a casual and intimate setting, potentially over a cup of coffee. During shelter-in-place, staff converted these in-person meetings to a digital format, holding a coffee conversation in May with a focused discussion on the topic of climate resilience. The event proved to be a success, attracting approximately 40 members of the public. We hope to hold more Coffee Conversations over the next few months.

3. Round 2: Mid-July through Mid-August 2020 Timeframe

a. Digital Open House Workshops

In lieu of the Senate Bill 375-mandated in-person open house-style workshops, staff are proposing to conduct digital open house workshops. Using the Zoom platform, staff will hold online workshops using presentations and information sharing, surveys and comments via the Question and Answer function. These workshops will provide detailed information on the Draft Blueprint and pose key questions on the Blueprint's outcomes. The use of breakout rooms will allow for in-depth discussions between participants and staff, in particular about ways to strengthen the Final Blueprint this fall. The workshop will end with a wrap-up and a survey requesting final input.

Staff anticipates that this format will attract more participants than traditional in-person workshops, enabling detailed input from a diverse group of participants. The digital workshops will be held at different times of the day and different days of the week to ensure maximum participation. To enable participation from limited English proficient residents, Zoom has a language interpreter function that facilitates on-the-spot interpretation. As such, Spanish and Cantonese/Mandarin interpreters will be provided using this function. Input collected from the digital workshops will inform the Final Blueprint.

b. Digital Tribal Summit

The in-person tribal summit also will be conducted digitally via Zoom. Information on Plan Bay Area 2050 and the Transportation Improvement Program, along with an update from Caltrans, will be presented via a digital workshop format. The size of the group will lend itself to facilitated verbal comments/questions session. Government-to-government consultation will also be available via Zoom or phone. The summit will be scheduled in late July or early August.

c. Non-Digital Engagement

While the vast majority of Bay Area residents have access to either a smartphone or an internet connection at home, we realize that the digital engagement cannot rely on a "one size fits all" approach. In order to ensure that everyone has the opportunity to participate, staff is working on a suite of non-digital communication options that will both educate and seek input on the Draft Blueprint from targeted members of the public. Options include:

- Detachable mail-in survey or comment card in English, Spanish, Chinese and Vietnamese
- Text/SMS platforms for engaging CBO communities (dependent on cost)
- Voicemail to be used as a "listening line" where people can leave comments
- Outreach toolkit on the Blueprint, for partners to use in newsletters and other promotion

Working with CBOs and members of the Policy Advisory Council, staff will target those who have limited internet access to ensure everyone who is interested has an opportunity to provide input this summer.