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Regional Transportation Planning Agency - Local Transportation Commission  
Monterey County Service Authority for Freeways & Expressways  
Monterey County Regional Development Impact Fee Joint Powers Agency  
Email: [info@tamcmonterey.org](mailto:info@tamcmonterey.org)

## **TECHNICAL ADVISORY COMMITTEE**

**Thursday, January 9, 2020**

**Transportation Agency Conference Room**

**55-B Plaza Circle, Salinas**

**\*\*9:30 AM\*\***

Complete agenda packets are on display at the Transportation Agency for Monterey County office and at these public libraries: Carmel, Monterey, Salinas Steinbeck Branch, Seaside, Prunedale, and King City. Any person who has a question concerning an item on this agenda may call the Agency Secretary to make inquiry concerning the nature of the item described on the agenda. Please recycle this agenda.

### **1. ROLL CALL**

*Call to order and self-introductions. According to Transportation Agency and Committee bylaws, Committee membership consists of representatives from the Transportation Agency voting and ex-officio members, and other agencies that may be appointed by the Transportation Agency. Currently the Committee membership includes representatives from 12 Cities, the County, MST, Caltrans, City of Watsonville, the Air District, and AMBAG, for a total of 18 members. Five members of the Technical Advisory Committee, representing voting members of the Transportation Agency Board of Directors, constitute a quorum for transaction of the business of the committee. If you are unable to attend, please contact the Committee coordinator. Your courtesy to the other members to assure a quorum is appreciated.*

### **2. PUBLIC COMMENTS**

Any member of the public may address the Committee on any item not on the agenda but within the jurisdiction of the Committee. Each member of the public is allotted with three minutes to address any concerns. Comments on items on today's agenda may be given when that agenda item is discussed.

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### **3. BEGINNING OF CONSENT AGENDA**

Approve the staff recommendations for items listed below by majority vote with one

motion. Any member may pull an item off the Consent Agenda to be moved to the end of the **CONSENT AGENDA** for discussion and action.

- 3.1 **APPROVE** the draft Technical Advisory Committee Minutes for November 7, 2019.

- Zeller

## END OF CONSENT AGENDA

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4. **SELECT** members of the Technical Advisory Committee to serve as the 2020 Chair and Vice-Chair and **RECOGNIZE** outgoing Chair Brian McMinn for his service during 2019.

- Deal

*The Technical Advisory Committee chairmanship changes each calendar year in January.*

5. **RECEIVE** information about the Active Transportation Program Cycle 5 grants.

- Green

*The Active Transportation Program is a competitive grant program providing funding to increase safe bicycling and walking through planning, infrastructure improvements and non-infrastructure program development across California. Call for Cycle 5 projects is scheduled for Spring 2020.*

6. **RECEIVE** an update on the development of the 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy and 2022 Regional Growth Forecast from the Association of Monterey Bay Area Governments.

- Heather Adamson (AMBAG)

*Federal and state law requires that AMBAG prepare a long-range transportation plan every four years. That plan includes policies, projects and financial information consistent with the Regional Transportation Plans prepared by each of the countywide transportation planning agencies.*

7. **RECEIVE** a presentation on the new Central Coast Supra-Regional Activity-Based Model.

- Bhupendra Patel (AMBAG)

*The Transportation Agency utilizes the Regional Travel Demand Model, developed by the Association of Monterey Bay Area Governments (AMBAG), for planning activities, including the Regional Development Impact Fee, corridor studies, and the Regional Transportation Plan.*

8. **RECEIVE** a presentation on a naturally-occurring asphalt for increased strength and longer pavement life, including a field demonstration.

**-Brandon Gasser, Pacific Geosource**

*This presentation offers an alternative to hot-melt asphalt to extend the life of new pavement. With Measure X and SB1 pavement maintenance funding going directly to cities and counties, hot-melt asphalt alternatives may provide a way to extend the life of those maintenance projects and allow agencies to maintain more road miles over time.*

9. **ANNOUNCEMENTS**

10. **ADJOURN**

**Next Committee meeting will be on  
Thursday, February 6, 2020 at 9:30 a.m.  
TAMC Conference Room  
55-B Plaza Circle, Salinas**

**REMINDER:** If you have any items for the next Committee Agenda, please submit them to: Transportation Agency for Monterey County; Attn: Rich Deal; 55-B Plaza Circle, Salinas, CA 93901, **email:** [rich@tamcmonterey.org](mailto:rich@tamcmonterey.org)

The Committee Agenda will be prepared by Agency staff and will close at noon nine (9) working days before the regular meeting. Any member may request in writing an item to appear on the agenda. The request shall be made by the agenda deadline and any supporting papers must be furnished by that time or be readily available.

Documents relating to an item on the open session that are distributed to the Committee less than 72 hours prior to the meeting shall be available for public inspection at the office of the Transportation Agency for Monterey County, 55-B Plaza Circle, Salinas, CA. Documents distributed to the Committee at the meeting by staff will be available at the meeting; documents distributed to the Committee by members of the public shall be made available after the meeting.

**Transportation Agency for Monterey County  
55-B Plaza Circle, Salinas, CA 93901-2902  
Monday thru Friday 8:00 a.m. - 5:00 p.m.  
TEL: 831-775-0903  
FAX: 831-775-0897**

***If requested, the agenda shall be made available in appropriate alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 (42 USC Sec. 12132), and the federal rules and regulations adopted in implementation thereof. Individuals requesting a disability-related modification or accommodation, including auxiliary aids or services, may contact Transportation Agency at 831-775-0903. Auxiliary aids or services include wheelchair accessible facilities, sign language interpreters, Spanish Language interpreters and printed materials, and printed materials in large print, Braille or on disk. These requests may be made by a person with a disability who requires a modification or accommodation in order to participate in the public meeting, and should be made at least 72 hours before the meeting. All reasonable efforts will be made to accommodate the request.***

**CORRESPONDENCE, MEDIA CLIPPINGS, and REPORTS - No items this month**



## **Memorandum**

**To:** Technical Advisory Committee  
**From:** Michael Zeller, Principal Transportation Planner  
**Meeting Date:** January 9, 2020  
**Subject:** **Draft Technical Advisory Committee Minutes - November 7, 2019**

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### **RECOMMENDED ACTION:**

**APPROVE** the draft Technical Advisory Committee Minutes for November 7, 2019.

### **ATTACHMENTS:**

- Draft TAC Minutes for November 7, 2019

## TECHNICAL ADVISORY COMMITTEE MINUTES

Meeting Held At  
**Transportation Agency for Monterey County**  
**Conference Room 55-B Plaza Circle, Salinas**

### DRAFT Minutes of Thursday, November 7, 2019

COMMITTEE MEMBERS	NOV 18	JAN 19	FEB 19	MAR 19	APR 19	MAY 19	JUN 19	AUG 19	SEP 19	OCT 19	NOV 19
R. Harary, Carmel-by-the-Sea (S. Friedrichsen)		C	P	P	P	C	P	C	P		P
D. Pick, Del Rey Oaks		A				A		A			P
P. Dobbins Gonzales (M. Sundt)	P	N	P		P(A)	N	P	N	P/A	P	
R. Mullane, Greenfield		C	P(A)			C		C			
O. Hurtado, King City (S. Adams)	P	E	P	P		E	P	E	P	P	P
B. McMinn, Marina, <b>Chair</b> (E. Delos Santos)	P	L	P	P	P	L	P	L	P	P	P
A. Renny, Monterey (F. Roveri)	P(A)	L	P(A)	P(A)	P	L	P(A)	L		P	P(A)
D. Gho, Pacific Grove (M. Brodeur)	P	E	P	P	P	E	P(A)	E		P	P
A. Easterling, Salinas, <b>Vice Chair</b> (J. Serrano)	P	D	P	P	P	D	P	D	P	P	P
L. Gomez, Sand City (F. Meuer)			P(A)	P	P		P		P	P	P
S. Ottmeyer, Seaside (L. Llantero)			P(A)		P					P	P
D. Wilcox, Soledad (B. Slama, E. Waggoner)											
E. Saavedra, MCPW (R. Martinez)	P		P	P(A)	P(A)				P	P	P
Vacant , Monterey County Economic Development											
H. Adamson, AMBAG (P. Hierling)	P(A)		P(A)	P	P						P(A)
O. Ochoa-Monroy, Caltrans (K. McClendon)			P(A)	P	P				P	P	
M. McCluney, CSUMB											
A. Romero, MBUAPCD											
P. Said, FORA											
L. Rheinheimer, MST (M. Overmeyer)	P		P(A)	P	P		P			P(A)	

STAFF	NOV 18	JAN 19	FEB 19	MAR 19	APR 19	MAY 19	JUN 19	AUG 19	SEP 19	OCT 19	NOV 19
D. Hale, Exec. Director		C	P	P						P	P
T. Muck, Dep. Exec. Director	P	A	P	P	P		P		P	P	P
M. Zeller, Principal Transp. Planner		N	P	P	P		P		P	P	P
C. Watson, Principal Transp. Planner		C									
M. Jacobsen, Transportation Planner		E							P	P	P
T. Wright, Public Outreach Coordinator		L					P				
R. Deal, Principal Engineer	P	E	P		P		P			P	P
A. Green, Senior Transportation Planner		D		P	P		P				
S. Castillo, Transportation Planner			P								
L. Williamson, Senior Engineer			P	P	P		P				

**OTHERS PRESENT:**

Will Conden, AMBAG

**1. ROLL CALL**

Chair Brian McMinn, City of Marina, called the meeting to order at 9:31 am. Introductions were made and a quorum was established.

**1.1 ADDITIONS OR CORRECTIONS TO AGENDA**

None.

**2. PUBLIC COMMENTS**

None

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**3. BEGINNING OF CONSENT AGENDA**

**Harary/Gho/unanimous**

**3.1 APPROVE** the minutes of the Technical Advisory Committee meeting of October 3, 2019.

**END OF CONSENT AGENDA**

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#### 4. 2020 LEGISLATIVE PROGRAM

Rich Deal, Principal Engineer, presented the Transportation Agency's draft 2020 Legislative Program.

Mr. Deal noted that items of particular interest to this Committee include:

State:

3S: Promote jobs-housing balance.

5S: Support reauthorization of public private partnership authority.

6S: Support legislation to reduce pedestrian and bicyclist fatalities by modifying speed trap laws that prioritize higher automobile speeds over safety considerations.

7S: Support legislation to devote a permanent share of Cap and Trade funding to the Active Transportation Program.

8S: Support streamlining project delivery, including simplifying grant program applications,

raising encroachment permit thresholds, and accelerating project permit approvals.

10S: Support transit-oriented development, complete streets, alternative commutes, multimodal transportation, and active transportation projects.

11S: Support member agencies.

Federal:

1F(6&7): Support federal funding applications.

2F: Allow California Environmental Quality Act (CEQA) to substitute for National Environmental Policy Act (NEPA).

5F: Support changing the timeline for updating the Regional Transportation Plan to align with the Regional Housing Needs Assessment.

6F: Support member agencies.

Fernanda Roveri, City of Monterey, asked on item 8S if the Agency has suggestions for how to simplify grant applications. Mr. Deal responded that it depends on the program, and that the Agency is interested in streamlining applications and not being required to submit information that's not relevant to the grant.

Enrique Saavedra, County of Monterey, stated that the County runs into issues with funding for the Highway bridge program and would like to see reauthorization for seismic retrofits in bridge funding. Todd Muck, Deputy Director, responded that the issue is generally covered under item 1F, but that staff would get more information.

Andrew Easterling, City of Salinas, asked if staff has more information on item 6S related to speed limits. Mr. Deal responded that the idea is to support allowing lower limits in areas of high pedestrian incidents. Debbie Hale, Executive Director, noted that this is just a support action and that there isn't legislation currently proposed.



## **5. FEDERAL PERFORMANCE MEASURES**

Chair Brian McMinn, City of Marina, noted that the item was intended for the consent agenda and that it was deemed received by the Committee with no discussion.

## **6. SAFE STREETS PILOT PROGRAM**

Madilyn Jacobsen, Transportation Planner, provided an update on Safe Streets Pilot Program development and project application process.

Ms. Jacobsen presented that Under the program, TAMC staff will work with jurisdictions to identify an eligible repaving project, and partner with city staff to create a "Safe Street" design. TAMC staff is proposing to use Regional Surface Transportation Program funds as incentive funding, up to a certain amount, for the project to include bicycle and/or pedestrian safety features above what the project would have constructed without the funding.

Staff developed a Project Application based on feedback received at the October 3rd meeting of the Technical Advisory Committee. The Project Application adds structure to the project selection process and encourages interested jurisdictions to identify how the project aligns with goals of the Safe Streets Pilot Program.

Staff anticipates taking selected pilot projects to the Transportation Agency's Board of Directors for formal allocation of funds at the December 4th Board Meeting. Staff asks that interested jurisdictions submit completed Project Application to TAMC by November 14th for consideration in the pilot.

Brian McMinn, City of Marina, asked if the Agency is trying to achieve geographic equity across the county? Ms. Jacobsen responded that we'd like to see that but we'll have to see what applications are submitted.

Scott Ottmeyer, City of Seaside, asked if all that is required to be submitted is a map and project description. Rich Deal responded that if a city has a striping plan or design, the Agency can work with you on potential improvements.

Robert Harary, City of Carmel, stated that Alta Planning did an initial bikeways plans and that the city is thinking of putting in the first segment that doesn't tie into other facilities right now, and asked if that would qualify. Mr. Deal responded that it would, and that staff would like to help cities complete projects that otherwise wouldn't get done.

Fernanda Roveri, City of Monterey, asked how staff would be ranking the projects. Todd Muck, Deputy Director, responded that staff will have to evaluate the applications that are received and see which ones help us meet the goals of the program with the funding available.

## **7. FORT ORD TRAIL AND GREENWAY ENVIRONMENTAL IMPACT REPORT**

Stefani Castillo, Transportation Planner, presented on the Environmental Impact Report for the Fort Ord Regional Trail and Greenway project.

Ms. Castillo presented that TAMC staff has been working with the County of Monterey, the cities of Del Rey Oaks, Marina, Monterey and Seaside, the California State University at Monterey Bay, the Monterey Peninsula Regional Park District and the public to gather input to define alternatives to be evaluated. The consultant team has performed the field reviews, technical studies, outreach events, and public information meetings required to prepare the draft environmental impact report.

Staff is conducting an internal review of the consultant's work on the draft environmental impact report, which is expected to be ready for circulation on or about November 13, 2019. The environmental review process for the entire Fort Ord Regional Trail and Greenway project is expected to be completed by early 2020.

A draft Master Agreement including maintenance responsibilities is being circulated by TAMC to the underlying jurisdictions for their review and is expected to be executed in early 2020, concurrent with the certification of the environmental impact report by TAMC as the lead agency and by the underlying jurisdictions as responsible agencies.

Dino Pick, City of Del Rey Oaks, asked if a link to the report would be sent out. Ms. Castillo responded that it would be.

Andrew Easterling, City of Salinas, asked if staff has a phasing strategy. Ms. Castillo responded that yes, the Agency is pursuing construction of the trail in segments and has a grant application submitted for the Laguna Grande portion of the trail.

## **8. ANNOUNCEMENTS**

Michael Zeller, Principal Transportation Planner, announced that all jurisdictions must submit their Measure X annual reports by December 31, 2019.

Brian McMinn, City of Marina, announced that the American Public Works Association will hold a new pavement technologies workshop on November 13<sup>th</sup>, and that the general meeting will be held November 20<sup>th</sup> at Hartnell College.

Enrique Saavedra, County of Monterey, announced that a presentation on full-depth reclamation will be held on November 14<sup>th</sup> at Shilling Place.

## **9. ADJOURN**

The meeting was adjourned at 10:30 am.



## **Memorandum**

**To:** Technical Advisory Committee  
**From:** Rich Deal, Principal Engineer  
**Meeting Date:** January 9, 2020  
**Subject:** **2020 Committee Chair and Vice Chair**

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### **RECOMMENDED ACTION:**

**SELECT** members of the Technical Advisory Committee to serve as the 2020 Chair and Vice-Chair and **RECOGNIZE** outgoing Chair Brian McMinn for his service during 2019.

### **SUMMARY:**

The Technical Advisory Committee chairmanship changes each calendar year in January.

### **FINANCIAL IMPACT:**

There is no financial impact.

### **DISCUSSION:**

The Committee bylaws state that the chairmanship is changed during the first quarter of every year. The new Chair and Vice-Chair will serve for the 2020 calendar year.

The current Vice-Chair is James Serrano for the City of Salinas.

### **ATTACHMENTS:**

- ▣ Prior Year Technical Advisory Committee Chairs

**TAC Past Chair & Vice Chair Summary**

Year	Chair	Vice Chair
2019	Brian McMinn (Marina)	James Serrano (Salinas)
2018	Patrick Dobbins (Gonzales)	Brian McMinn (Marina)
2017	Enrique Saavedra (County)	Patrick Dobbins (Gonzales)
2016	Rich Deal (Monterey)	Ryan Chapman*/ Enrique Saavedra (County) *Resigned
2015	James Serrano (Salinas)	Rich Deal (Monterey)
2014	Don Wilcox (Soledad)	James Serrano (Salinas)
2013	Trish Lopez (County)	Don Wilcox (Soledad)
2012	Dale Lipp (Greenfield)	Trish Lopez (County)
2011	Nourdin Khayata (Marina)	Dale Lipp (Greenfield)
2010	Trish Lopez (County)	Nourdin Khayata (Marina)
2009	Rich Deal (Monterey)	Trish Lopez (County)
2008	Cliff Price (Soledad)	Rich Deal (Monterey)
2007	Enrique Saavedra (County)	Cliff Price (Soledad)
2006	Tim O'Halloran (Seaside)	Enrique Saavedra (County)
2005	James Serrano (Salinas)	Tim O'Halloran (Seaside)



## Memorandum

**To:** Technical Advisory Committee  
**From:** Ariana Green, Associate Transportation Planner  
**Meeting Date:** January 9, 2020  
**Subject:** Active Transportation Program Cycle 5

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### **RECOMMENDED ACTION:**

**RECEIVE** information about the Active Transportation Program Cycle 5 grants.

### **SUMMARY:**

The Active Transportation Program is a competitive grant program providing funding to increase safe bicycling and walking through planning, infrastructure improvements and non-infrastructure program development across California. Call for Cycle 5 projects is scheduled for Spring 2020.

### **FINANCIAL IMPACT:**

Cycle 5 of the Active Transportation Program is expected to include approximately \$440 Million, available over four years (fiscal years 2021/22 through 2024/25).

### **DISCUSSION:**

The Active Transportation Program is an important source of funding for developing and constructing bicycling and walking projects and programs in California. The Program consolidates several sources of state and federal funding including the Transportation Alternatives Program, Bicycle Transportation Account and state Safe Routes to School Program. SB 1 requires \$100 Million from the Road Maintenance and Rehabilitation Account be available to the program annually.

Program funding is divided into three pots of funding: 50% to a statewide competitive share, 40% to Metropolitan Planning Organizations in urban areas with populations larger than 200,000, and 10% to small urban and rural regions with urban populations less than 200,000 (including the Monterey County region). Twenty-five percent of the overall funding must serve "disadvantaged communities", defined based on a variety of low income measurements or the Cal-EnviroScreen tool.

Eligible projects include small, medium and large infrastructure (or infrastructure including non-infrastructure programming), non-infrastructure programs and plans. Local, regional and state public agencies are eligible to apply to the Program, as are public schools, non-profits and transit agencies.

Since the start of the Active Transportation Program, Monterey County has fared well in the competitive portions of the grant, with at least one project funded each of the 4 grant cycles. In the last grant cycle, two of the seven applications submitted were awarded. Statewide, most applications that were funded in the past two program cycles were medium-sized Safe Routes to School infrastructure projects in disadvantaged communities.

Scoring will be based on project need, safety, disadvantaged community status, and the "transformative" nature of the project. There is no required local funding match for the program; however, additional points will be awarded if a match is provided.

As with Cycle 4, there will be 5 different application types in Cycle 5:

- Infrastructure Large (>\$7M)
- Infrastructure Medium (\$2M - \$7M)
- Infrastructure Small (<\$2M)
- Non-Infrastructure
- Plans

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Cycle 5 Schedule

- **January 6, 2020** - Guidelines workshop at Watsonville Civic Center (12:30 pm - 3:30 pm)
- **March 25, 2020** - California Transportation Commission Call for Projects
- **June 15, 2020 - Project applications due (postmarked)**
- **October 2020** - California Transportation Commission staff recommendations for Statewide & Small Urban/Rural Communities
- **December 2020** - California Transportation Commission adopts statewide and small urban/rural components

TAMC staff is available to review and provide feedback on member agency applications to assist in developing the strongest Active Transportation Program Cycle 5 proposals as possible. To facilitate this review, staff has established a schedule of opportunities for agencies to seek assistance from TAMC staff at any or all of these steps:

- **January, 2020** - Submit project outline for review
- **Feb 5 - Feb 14** - Hold strategy meetings
- **Feb 26** - Submit draft background data for review
- **April 15** - Submit draft narrative, budget and schedule for review
- **May 22** - Submit final draft application for review

This schedule is designed to allow sufficient time for collaboration and review, with a goal of maximizing the Active Transportation Funding that will accrue to the Monterey County region.



## Memorandum

**To:** Technical Advisory Committee  
**From:** Madilyn Jacobsen, Transportation Planner  
**Meeting Date:** January 9, 2020  
**Subject:** **2045 Metropolitan Transportation Plan/Sustainable Communities Strategy and 2022 Regional Growth Forecast Update**

### **RECOMMENDED ACTION:**

**RECEIVE** an update on the development of the 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy and 2022 Regional Growth Forecast from the Association of Monterey Bay Area Governments.

### **SUMMARY:**

Federal and state law requires that AMBAG prepare a long-range transportation plan every four years. That plan includes policies, projects and financial information consistent with the Regional Transportation Plans prepared by each of the countywide transportation planning agencies.

### **FINANCIAL IMPACT:**

There is no direct financial impact to the Transportation Agency in receiving this update; however TAMC's 2022 Regional Transportation Plan is closely linked with AMBAG's Metropolitan Transportation Plan/Sustainable Communities Strategy development. The environmental impact report being prepared by the Association of Monterey Bay Area Governments will cover both plans. The cost is estimated not to exceed \$225,000, of which TAMC has committed to pay \$60,000.

### **DISCUSSION:**

The Transportation Agency prepares the Regional Transportation Plan every four years, which provides a basis for actions to allocate state and federal funding to transportation projects. The Transportation Agency prepares its plan in coordination with AMBAG, which prepares a Metropolitan Transportation Plan for the three-county Monterey Bay Area in its role as the federal Metropolitan Planning Organization for this region. Transportation investments in the Monterey Bay region that receive state and federal funds or require federal approvals must be consistent with the Plan and included in AMBAG's Metropolitan Transportation Improvement Program. The Metropolitan Transportation Improvement Program is a four-year program and represents the near-term commitments of the Plan.

Developing a Sustainable Communities Strategy is a newly enacted requirement of a Metropolitan Transportation Plan from Senate Bill 375. The Sustainable Communities Strategy provides linkage between greenhouse gas emissions from automobiles through integrated transportation, land use and environmental planning. As part of the planning process, AMBAG works closely with the cities and counties in the tri-county region to develop a new population, employment and housing growth forecast and land use patterns and strategies based on reasonably available revenues. The Strategy also integrates the transportation network of projects included in each county's Regional Transportation Plan. These documents are prepared in in close coordination with the region's transit

operators, local jurisdictions, Caltrans, the Monterey Bay Area Resources Board, state and federal resource agencies, local agency formation commissions and other special purpose public agencies.

These regional plans outline the tri-county priorities for meeting future transportation and mobility needs, consistent with the adopted policy goals and objectives, as well as within the constraints of transportation revenues forecast over the 20-year planning horizon of the document. AMBAG's current 2040 Plan is built on a set of integrated policies, strategies and investments to maintain and improve the transportation system to meet the diverse needs of the region through 2040, consistent with those developed within Monterey, Santa Cruz and San Benito County's transportation plans. The new Plan's forecast year will be 2045.

Initial activities for the 2045 Plan were kicked off in April 2019. Activities currently underway are highlighted below.

### ***2022 Regional Growth Forecast***

The first step in updating Regional Growth Forecast is establishing the regional employment, population and housing figures. The draft tri-county figures have been prepared and will be presented at the Planning Directors Forum on January 27, 2020 for review, input and discussion. AMBAG staff will be scheduling meetings with the local jurisdictions in February 2020 to discuss the draft regional numbers. The AMBAG Board of Directors will be asked to accept the regional numbers at its March 2020 meeting.

Once the regional numbers have been accepted, the draft growth forecast will be disaggregated to the subregional and jurisdiction level. Draft subregional forecast numbers are scheduled to be available in early summer 2020. The 2022 Regional Growth Forecast is scheduled to be accepted for planning purposes in October 2020.

### ***Environmental Impact Report***

AMBAG is overseeing the preparation of the joint environmental impact report for the 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy and the Regional Transportation Planning Agencies' Regional Transportation Plans. The Notice of Preparation will be released in January 2020. AMBAG will host three scoping meetings to solicit input on the scope and content of the environmental impact report, as follows:

- **January 22, 2020** at the Live Oak Community Room - Simpkins Center - 979 17th Ave, Santa Cruz, CA
- **January 23, 2020** at the San Benito County Board of Supervisors Chambers - 481 4th Street, Hollister, CA
- **January 29, 2020** at the Marina Library Community Room - 190 Seaside Circle, Marina, CA

All scoping meetings are scheduled for 6:00 – 7:30 p.m.

### ***2045 Plan - Goals, Objectives and Performance Measures***

With each Metropolitan Transportation Plan update, AMBAG starts the planning process by establishing a framework of goals and performance measures to guide the development of the Plan. This is a key first step, as it is the policy foundation for the Metropolitan Transportation Plan and identifies the “big picture” of what the agency hopes to achieve. The policy goals for the 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy are consistent with those proposed for the Monterey County Regional Transportation Plan, and are as follows:

#### *Policy Goals*

- **Access and Mobility** – Provide convenient, accessible, and reliable travel options while maximizing productivity for all people and goods in the region.
- **System Preservation and Safety** – Preserve and ensure a sustainable and safe regional transportation system.



- **Healthy Communities** – Protect the health of our residents; foster efficient development patterns that optimize travel, housing, and employment choices and encourage active transportation.
- **Environment** – Promote environmental sustainability and protect the natural environment.
- **Social Equity** – Provide an equitable level of transportation services to all segments of the population.
- **Economic Vitality** – Raise the region’s standard of living by enhancing the performance of the transportation system.

The 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy performance measures will be used to evaluate each of the policy goals have been updated and new metrics added (see Web Attachment). Performance measures are used to quantify regional goals, estimate the impacts of proposed investments, and evaluate progress over time. The Transportation Agency is also developing metrics for the Monterey County Regional Transportation Plan and may use some of the same metrics as proposed for the tri-county plan. The AMBAG Board of Directors will be asked to accept the updated performance measures in February 2020.

***Transportation Project List***

AMBAG will soon begin work with the Transportation Agency, transit operators, and Caltrans to update list of Monterey County projects in the 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy. This update will allow AMBAG and TAMC staff to be able to make changes to projects (such as cost estimates and project phasing) as well as to add new projects or delete projects that have been completed. TAMC staff will work with local jurisdictions and other project sponsors to update local project information.

***Next Steps***

The 2045 tri-county Plan is scheduled for adoption by the AMBAG Board of Directors in June 2022, which is the same timeline for TAMC's adoption of the Regional Transportation Plan.

**ATTACHMENTS:**

- ▢ Regional Performance Measures

**2045 MTP/SCS – Regional Performance Measures**  
**Regional Performance Measures**  
**January 2020**

***Access and Mobility***

- Commute Travel Time (minutes)
- Work Trips Within 30 Minutes (percentage)
- Population Within 30 Minutes of Parks (percentage)\*
- Population Within 30 Minutes of Healthcare (percentage)\*
- Daily Vehicle Delay Per Capita (minutes)\*

***Economic Vitality***

- Population Near High Quality Transit (percentage)\*
- Jobs Near High Quality Transit (percentage)
- Daily Truck Delay (hours)
- Income Consumed by Out of Pocket Transportation Costs (percentage)\*

***Environment***

- GHG Reductions (Percent reduction from 2005 baseline)
- Open Space Consumed (acres)
- Farmland Converted (acres)

***Healthy Communities***

- Growth in Opportunity Areas (percentage)\*
- Alternative Transportation Trips (percentage)
- Population Near Bike facilities (percentage)\*
- Jobs Near Bike Facilities (percentage)\*
- Peak Period Congested Vehicle Miles of Travel (miles)

## ***Social Equity***

- Distribution of MTP/SCS Investments (percentage)
  - Low income areas
  - Non low income areas
  - Minority areas
  - Non minority areas
  - Low mobility (zero car households and aged populations)\*
  - Low community Engagement (linguistic isolation and education attainment)\*
- Access to Transit within 1/2 mile (percentage)
  - Low income population
  - Non low income population
  - Minority population
  - Non minority population
  - Low mobility (zero car households and aged populations)\*
  - Low community engagement (linguistic isolation and education attainment)\*

## ***System Preservation and Safety***

- Maintain the Transportation System (percentage)
- Fatalities and Injuries per 1,000 VMT
- Annual Projected Bike/Pedestrian Fatalities and Injuries per 1,000 VMT

*\* Denotes new performance metric*

*Note: Low income and minority populations definitions will be revised.*



## Memorandum

**To:** Technical Advisory Committee  
**From:** Michael Zeller, Principal Transportation Planner  
**Meeting Date:** January 9, 2020  
**Subject:** **AMBAG Activity-Based Model Update**

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### **RECOMMENDED ACTION:**

**RECEIVE** a presentation on the new Central Coast Supra-Regional Activity-Based Model.

### **SUMMARY:**

The Transportation Agency utilizes the Regional Travel Demand Model, developed by the Association of Monterey Bay Area Governments (AMBAG), for planning activities, including the Regional Development Impact Fee, corridor studies, and the Regional Transportation Plan.

### **FINANCIAL IMPACT:**

There is no direct financial impact to the Transportation Agency with the update of the model; however the 2022 Regional Transportation Plan and environmental impact report will utilize this new version.

### **DISCUSSION:**

The Transportation Agency uses the regional model for a variety of planning activities, and a realistic representation of travel behavior is critical to developing solutions for priority safety and congestion projects.

For the 2018 Metropolitan Transportation Plan / Sustainable Communities Strategy, the Association of Monterey Bay Area Governments completed an update to the Regional Travel Demand Model. The current model includes detailed transportation and transit networks, as well as a geographically based Traffic Analysis Zone layers (similar to census blocks) containing socioeconomic data for the base year 2015 and forecast year 2040. The model has a base year of 2015, established using data from the 2010-2012 California Household Travel Survey, United States Census, employment, and traffic counts.

This current model is a traditional four-step model, which begins with a forecast of land use. Forecasts are made for the region as a whole of population growth, then the region is divided into zones by trend or regression analysis, and the population and employment are determined for each. The model uses this information in the following four-steps to develop the travel demand forecast:

1. Trip generation determines the frequency of origins and destinations of trips in each zone by trip purpose;
2. Trip distribution then matches origins with destinations;
3. Mode choice attributes the proportion of trips between each origin and destination that uses a particular transportation mode (the current AMBAG model can only provide a percentage of mode split for non-vehicle modes); and

4. Route assignment allocates trips between an origin and destination by a particular mode to a route (the current model assigns routes based on available capacity and shortest travel time).

In collaboration with San Luis Obispo Council of Governments, and Santa Barbara County Association of Governments, AMBAG applied for and was awarded a Caltrans Planning Grant to develop the Central Coast Supra-Regional Activity-Based Model Framework. Under this project, the team is developing an advanced activity-based modeling framework for over 30 jurisdictions in California's Central Coast region. Activity-based models represent the state-of-the-art in travel demand modeling and offer a more accurate modeling paradigm over the traditional four-step models, largely because they track travel behavior at an individual level rather than aggregating trips into groups. The project will involve the analysis of recent travel behavior survey data to develop, calibrate, validate and forecast passenger travel using daily simulated activity patterns. The activity-based model framework will then replace the existing four-step regional travel demand models throughout the region during the development of each Metropolitan Planning Organization's next Regional/Metropolitan Transportation Plan and associated Sustainable Communities Strategy. The final activity-based model framework will help each agency evaluate transportation policies and system performance.

Bhupendra Patel, Director of Modeling for AMBAG, will provide a presentation to the Technical Advisory Committee on the model update project.



## **Memorandum**

**To:** Technical Advisory Committee  
**From:** Rich Deal, Principal Engineer  
**Meeting Date:** January 9, 2020  
**Subject:** **Presentation on RockAsphalt Naturally-Occuring Pavement Patch Material**

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### **RECOMMENDED ACTION:**

**RECEIVE** a presentation on a naturally-occurring asphalt for increased strength and longer pavement life, including a field demonstration.

### **SUMMARY:**

This presentation offers an alternative to hot-melt asphalt to extend the life of new pavement. With Measure X and SB1 pavement maintenance funding going directly to cities and counties, hot-melt asphalt alternatives may provide a way to extend the life of those maintenance projects and allow agencies to maintain more road miles over time.

### **DISCUSSION:**

Thomas Bonin, RockAsphalt Regional Government Director, will present technical information on naturally-occurring asphalt for pavement projects to extend their operational life.

### **WEB ATTACHMENTS:**

None.