



COUNTYWIDE TRANSPORTATION PLAN WORKSHOP
TRANSPORTATION AUTHORITY OF MARIN
BOARD OF COMMISSIONERS

JULY 25, 2024
4:00 P.M.

900 Fifth Avenue
Suite 100
San Rafael
California 94901

MARIN WILDFIRE PREVENTION AUTHORITY BOARD ROOM
1600 LOS GAMOS DRIVE, ROOM 335
SAN RAFAEL, CALIFORNIA

Phone: 415-226-0815
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www.tam.ca.gov

AGENDA

Belvedere
Nancy Kemnitzer

1. Chair's Welcome/Roll Call

Corte Madera
Eli Beckman

2. Countywide Transportation Plan Board Workshop (Discussion) – Attachment

Fairfax
Chance Cutrano

3. Open time for public expression, up to two minutes per speaker, on items not on the agenda that are within the subject matter of the agency's jurisdiction. (While members of the public are welcome to address the Board, under the Brown Act, Board members may not deliberate or take action on items not on the agenda, and generally may only listen.)

Larkspur
Gabe Paulson

Mill Valley
Urban Carmel

How to provide public comment (limited to 2 minutes or less):

Novato
Rachel Farac

Before the workshop: Please email your comments to info@tam.ca.gov, no later than 5:00 p.m. Wednesday, July 24, 2024, to facilitate timely distribution to Board members. Please include the agenda item number you are addressing and your name and address. Your comments will be forwarded to the TAM Board members and will be placed into the public record.

Ross
Teri Dowling

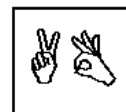
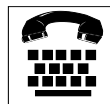
San Anselmo
Brian Colbert

During the workshop: The Board Chair will recognize persons from the audience who wish to address the Board during public open time or on a particular agenda item at the time that item is considered by the Board.

San Rafael
Kate Colin

Sausalito
Melissa Blaustein

Tiburon
Alice Fredericks



County of Marin
Mary Sackett
Katie Rice
Stephanie Moulton-Peters
Dennis Rodoni
Eric Lucan

Late agenda material can be inspected in TAM's office between the hours of 8:00 a.m. and 5:00 p.m. The TAM Office is located at 900 Fifth Avenue, Suite, 100, San Rafael.

The meeting facilities are accessible to persons with disabilities. Requests for special accommodations (assisted listening device, sign language interpreters, etc.) should be directed to Jennifer Doucette, 415-226-0820 or email: jdoucette@tam.ca.gov no later than 5 days before the meeting date.

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DATE: July 25, 2024

TO: Transportation Authority of Marin Board of Commissioners

FROM: Anne Richman, Executive Director *Anne Richman*
Derek McGill, Director of Planning

SUBJECT: Countywide Transportation Plan Board Workshop (Discussion), Agenda Item No. 2

RECOMMENDATION

Discussion item only. The TAM Board provides feedback on priorities for the Draft Countywide Transportation Plan (CTP).

BACKGROUND

In 2023, TAM staff began work on the development of Marin County's first CTP and a countywide Community Based Transportation Plan (CBTP). Since the kickoff, staff have presented multiple elements of the CTP/CBTP including:

- Outreach and engagement plan, September 2023
- CTP Vision and major elements – Initial CTP Board Workshop, October 2023
- Draft Vision and equity definition, March 2024
- CTP Goals and Strategies – Second CTP Board Workshop, April 2024

The development of the CTP/CBTP is expected to continue over the course of this year, culminating in an adopted CTP/CBTP by the end of 2024.

As the CTP works to build consensus and provide a shared direction for Marin's transportation system, staff have developed an overarching vision and goals and targeted strategies to implement the shared short-term (10-year) and long-term (25-year) vision for our transportation system. The CTP/CBTP is expected to guide TAM's policy-making, and advance safety, equity, climate resiliency, transit recovery and priority, and transportation/land use integration in the county.

DISCUSSION/ANALYSIS

In April 2024, the TAM Board had its second workshop on the development of the CTP/CBTP, focused on the development of the plan goals and strategies. The Board provided feedback to staff on the updated vision and goals and discussed the plan strategies; with small groups of Board members discussing how to advance strategies into implementation. Based on the feedback received, there is significant desire for TAM to address a wide array of transportation issues, challenges, and coordination needs, in addition to considering new approaches to project delivery and funding in the county. Focusing on key priorities will be key for the CTP to successfully deliver on the vision for *advancing safe, equitable and resilient transportation together*.

This third and final CTP workshop will inform the priorities for implementation, the key remaining step in development of the draft CTP. With 15 strategies in the CTP, advancing these strategies will take a mix of existing and new resources, in terms of funding, staff and partnerships. Some strategies have existing dedicated resources, other strategies have lower levels of existing resources, and some emerging areas are not resourced. Setting priorities amongst these strategies will allow for the Board, staff, and partner agencies to work together to advance the CTP into action.

Additionally, determining the priorities for the CTP will allow the CTP to consider how to advance existing efforts in alignment with the CTP vision, and what emerging strategies should elevate in importance. Implementing the CTP will consider options including (but not limited to): funding changes or new revenue sources; application of new policies to existing or new programs or funding streams; legislative actions; and changes to project delivery and grant coordination. The discussion at today's workshop will chart the course for the draft CTP and key implementation items. Staff look forward to a lively conversation around the future of the transportation system in Marin, and what actions can advance planning into practice.

FISCAL CONSIDERATION

There are no fiscal impacts associated with this presentation.

NEXT STEPS

Based on the input received, staff will return to the TAM Board in the Fall of 2024 for a discussion on the draft CTP.

ATTACHMENTS

Attachment A – Staff Presentation (includes workshop outline)

Attachment B – CTP/CBTP Draft Outline

Attachment C – CTP Strategy and Resource Alignment Matrix



Item 2 - Attachment A

Countywide Transportation Plan (CTP) Workshop

Transportation Authority of Marin

Board of Commissioners

July 25, 2024

CTP Workshop Agenda

1. Plan Overview
2. April Board Workshop Recap
3. Outreach Summary
4. Today's Workshop
 - a. Priorities & Implementation
 - b. Full Board Discussion
 - c. Small Group Break-out Discussion
5. Workshop Summary/Next Steps
6. Public Comments (5:45 pm)



CTP/CBTP Overview

- ✓ Identify emerging areas and future transportation needs
- ✓ Broaden understanding of community transportation goals
- ✓ Advance CBTP process
- ✓ Convene partner agencies and build consensus
- ✓ Strengthen partnerships needed to deliver the plan
- ✓ Align local, county planning with regional and state guidance where feasible
- ✓ Strengthen Marin's position in competitive regional, state, and federal funding

Outcomes of CTP & CBTP



April Board Workshop Recap

CTP Policy Framework

POLICY ELEMENT	DESCRIPTION
VISION	<ul style="list-style-type: none">• Concise statement of desired future• Provides outline of overall goals
GOALS	<ul style="list-style-type: none">• General direction-setter• Expression of community values• Generally, not quantifiable or time-dependent
STRATEGIES	<ul style="list-style-type: none">• Specific, clear statements that guides decision-making• Helps implement the plan vision
PERFORMANCE MEASURES	<ul style="list-style-type: none">• Indicators to assess how well plan goals are being met and gauge progress toward realizing the vision

Optimal
Expand
Frequent
Reliable
Future-proof

Comfort
Evacuations
Flooding
Safer Streets

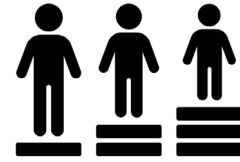
Engage
Accessible
Invest
Repair

Advancing safe, equitable, and sustainable transportation together.

Adapt
Maintain
Resilient

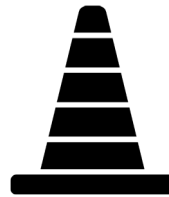
Walk
Bike
Bus
Ferry
Rail
Roads
Highways
Emergent Technologies

Local agencies
Transit providers
Community partners
MTC/ABAG
Caltrans
CCC/BCDC
MWPA
MCE



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from Noun Project

Equitable, Accessible, and Affordable System



Created by sentya imma
from Noun Project

Safe and Complete Multimodal Network



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Sustainable, Innovative, and Resilient Future

CTP Goals – Revised

Draft CTP Strategies – Local Focus



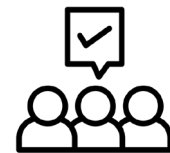
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STRATEGIES WITH LOCAL FOCUS (typically locally planned and implemented)

Fix It First – operate and maintain existing streets, transit systems, and the regional pedestrian and bikeway network.

Safe System Approach – implement the new national Safe System for road users, safer vehicles, safer speeds, safer roads, and post-crash care to reach the zero deaths vision.

Safe School Travel – coordinate and support active transportation and/or bus options for schools.

Accessible & Walkable Communities – a connected, accessible, and high-quality active transportation environment within a half-mile of SMART stations, transit hubs, activity centers, and commercial districts.

Community Identified Investments – community-informed investments in transportation accessibility, affordability, and comfort for historically and systemically marginalized and excluded groups.

Draft CTP Strategies – County or Regional Focus



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from Noun Project



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from Noun Project

STRATEGIES WITH COUNTY OR REGIONAL NETWORK FOCUS (typically multi-jurisdictional)

High Quality Transit – a coordinated, convenient, reliable, and accessible transit system.

Complete Active Transportation Network – a continuous primary bikeway network of pedestrian and bicycle facilities linking activity centers.

Regional Connectivity – a coordinated system of regional freeway, bridge, rail, and ferry connections and travel options to surrounding counties.

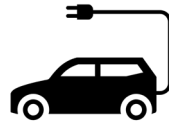
Connected & Complete Community Corridors – Reconnecting communities with complete streets and safe crossings that include context-sensitive, community-informed solutions for US-101, major and minor arterials, and major hubs.

Flexible Ride Programs – public and private ride services for seniors, people with disabilities, and other non-drivers, including services for intra-county medical trips

Draft CTP Strategies – System Focus



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from Noun Project



Created by early miran
from Noun Project



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STRATEGIES WITH SYSTEM MANAGEMENT FOCUS

(typically multi-agency, high level of partnering)

Commute Alternatives and Travel Education – ongoing travel marketing, public communication/outreach, and education campaigns to generate awareness and comfort using county travel options, modal networks, and financial assistance programs.

Zero Emission Vehicles – supporting greenhouse gas emission reductions through light duty zero emission vehicles via a coordinated network of transportation charging/fueling technology, and coordination on public agencies fleet vehicle replacement for light and medium duty vehicles.

Adaptation to Climate Change – address the effects of sea level rise, flooding, wildfires, heat, and other climate-induced events on the transportation system.

Visitor Travel Management – mode shift and communication strategies to improve the visitor experience and reduce the effects of visitor traffic and parking.

Transportation Data & System Management – develop a county travel data approach to monitor travel patterns and changes to the network, and support management of new technologies including the introduction of connected and autonomous vehicles.

What We Heard at the Last Board Workshop

Overall Direction Comments	Plan Related Comments
Desire for increased coordination	Conflicts/Tradeoffs should be discussed
TAM is viewed as convenor/facilitator	Desire for an adaptable Plan
Desire for TAM to grow into new areas	Focus on Safety, Equity and Partnerships
Desire for innovative project delivery	Future Proof all Investments
Desire for advancing grants, particularly multi-partner grants	Innovate with Technology
Desire for more technical assistance	Data driven decision making
	Simplify Goal Language



Outreach Summary

Completed Engagement Activities

- ✓ **Focus Groups:** bicycle advocates, climate advocates, business community, West Marin, seniors and people with disabilities
- ✓ **Pop-ups: 100+ people engaged**
 - ✓ Strawberry Village Farmers Market, Mill Valley
 - ✓ College of Marin Kentfield Campus
 - ✓ Fairfax Farmers Market
 - ✓ Canal Alliance, San Rafael
 - ✓ Margaret Todd Senior Center, Novato
- ✓ **Online survey: 425 English / 23 Spanish responses**
 - ✓ Open May 1 – May 31
- ✓ **CTP Roadshow Visits:** TAM Community Oversight Committee, Marin Coalition, Marin Conservation League, League of Women Voters, and more staff presentations

Equity Focused Engagement: Feedback

- ✓ More efficient transportation for seniors and people with disabilities.
- ✓ Easier to get between communities: more frequent transit, overlapping transfers, and service integration.
- ✓ Better bike and pedestrian infrastructure, including improved connections to major hike/bike trails.
- ✓ Improved shade, rain protection, and seating areas at popular bus stops.
- ✓ Better transportation options for people living in the hills.

- ✓ More frequent buses
- ✓ Free parking at SMART
- ✓ Protected bike lanes
- ✓ Plan for safety over speed
- ✓ Reduce driving and roadway expansion

Pop-Up Feedback

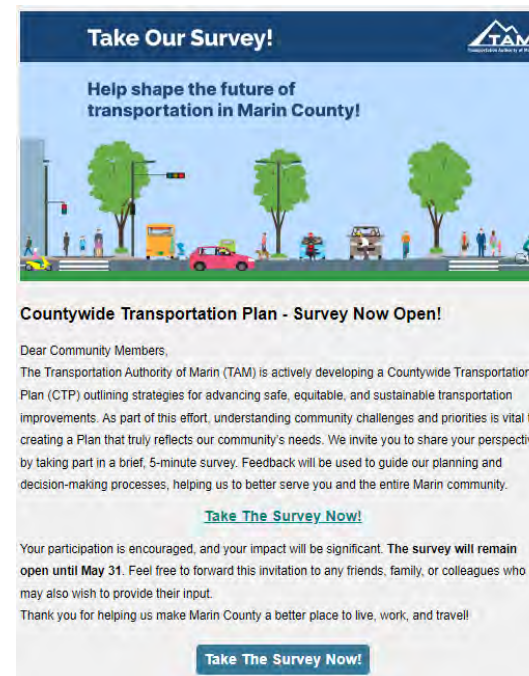


Online Survey Promotion

Facebook



TAM Traveler



511.org Instagram



Online Survey Feedback

Percent of people who rated each goal as “very important”

63%

Equitable, Accessible, and Affordable System



Created by ADRIAN CONANT from NACTD Project

67%

Safe and Complete Multimodal Network



Created by ADRIAN CONANT from NACTD Project

52%





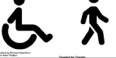










Sustainable, Innovative, and Resilient Future



Created by EMILY HEINE from NACTD Project

Online Survey Feedback

Percent of people who
rated each strategy as
“very important”

62%		Safe School Travel
57%		High Quality Transit
55%		Fix It First
52%		Safe System Approach
51%		Accessible & Walkable Communities
51%		Complete Active Transportation Network
51%		Regional Connectivity
44%		Flexible Ride Programs
42%		Adaptation to Climate Change
42%		Community Identified Investments
39%		Connected & Complete Community Corridors
37%		Zero Emission Vehicles
33%		Commute Alternatives and Travel Education
26%		Transportation Data & System Management
22%		Visitor Travel Management


















Discussion Sessions

Advancing to the Draft CTP

- ✓ **All 15 strategies cannot be equally high priority**
- ✓ Staff have organized priorities based on existing resources and funding (typically defined in Measures or other plans and processes)
- ✓ Strategies with existing resources can still advance CTP goals, but trade-offs occur
- ✓ For strategies where additional resources are desired, is there a priority for advancing these?
- ✓ For emerging strategies where little or no resources are currently provided, how can we best advance these?
 - ✓ **Today's workshop - Board to provide direction on prioritization of 15 strategies.**

DRAFT CTP Strategy Resource Alignment Framing

General Category	Strategy		TAM Role
Strategies with Higher Level of Resources		Fix It First	Funding & Coordinating
		Regional Connectivity	Coordinating & Management
		Safe School Travel	Funding & Management
Strategies with Moderate to Low Levels of Resources		High Quality Transit	Funding & Coordinating
		Complete Active Transportation Network	Funding & Coordinating
		Community Identified Investments	Management & Coordinating
		Commute Alternatives and Travel Education	Management
		Connected & Complete Community Corridors	Funding & Coordinating
		Transportation Data & System Management	Management & Coordinating
Strategies with Low Resource levels and Implemented by Others		Safe System Approach	Coordinating
		Accessible & Walkable Communities	Funding
		Flexible Ride Programs	Funding
		Zero Emission Vehicles	Funding
Emerging Strategies (Lead Agencies TBD)		Adaptation to Climate Change	TBD
		Visitor Travel Management	TBD

Key Considerations

- ✓ Priorities will shift based on evolving opportunities at local, regional and state level
- ✓ Partnerships are key to implementing many strategies
- ✓ Regardless of priorities, CTP can guide strategies in a way that maximizes co-benefits and helps meet our Vision and Goals
- ✓ Areas of strong Public Support (with lower levels of resources) include High Quality Transit, Safe Systems, Accessible and walkable communities and Active Transportation

Overview of Discussion Sessions

Full Board Discussion

- Focusing on the top 3 priorities for the Board.
- Are the top themes correct, and if not, what should they be?
- How to align top strategies with goals and vision?

Small Group Discussions

- Once the top priorities are agreed upon, small groups will discuss priorities for strategies with moderate & low levels of resources, and priorities for emerging strategies.



Full Board Discussion

Discussion Session: Full Board #1

Are these the top priorities looking ahead?

- a. **Fix It First** – Local Streets and Roads, Transit Operations and Capital
- b. **Regional Connectivity** – MSN, RSR Bridge, regional transit, SR-37
- c. **Safe School Travel** – Safe Routes to Schools, Yellow School Bus, Crossing Guards, Safe Pathways, Supplemental School Bus Service

Should other Strategies be prioritized over any of these three? Is there a 4th top priority?

The CTP will include policy considerations to align CTP vision and goals with future funding decisions, focusing on safety, equity and sustainability.

What approaches should the CTP consider when it comes to aligning planning with project funding and delivery?

What “guardrails” should be considered?

Discussion Session: Full Board #2

Small Group Discussions


















Discussion Session: Card Decks in Small Groups

Beyond the top priority strategies for the CTP, **how should the strategies with limited funding or resources be addressed?**

- Is the near to mid term grouping of strategies correct?
- What strategies should be the next highest priorities in the near- to mid-term?
- What should TAM's role be and what partnerships are critical?
- What actionable steps can be taken to move these strategies forward?
- Do the maps located in the room help depict the path forward for these strategies?

Finally, **how should the emerging strategies be addressed?**

DRAFT CTP Strategy Resource Alignment Framing

General Category	Strategy		TAM Role
Strategies with Higher Level of Resources		Fix It First	Funding & Coordinating
		Regional Connectivity	Coordinating & Management
		Safe School Travel	Funding & Management
Strategies with Moderate to Low Levels of Resources		High Quality Transit	Funding & Coordinating
		Complete Active Transportation Network	Funding & Coordinating
		Community Identified Investments	Management & Coordinating
		Commute Alternatives and Travel Education	Management
		Connected & Complete Community Corridors	Funding & Coordinating
		Transportation Data & System Management	Management & Coordinating
Strategies with Low Resource levels and Implemented by Others		Safe System Approach	Coordinating
		Accessible & Walkable Communities	Funding
		Flexible Ride Programs	Funding
		Zero Emission Vehicles	Funding
Emerging Strategies (Lead Agencies TBD)		Adaptation to Climate Change	TBD
		Visitor Travel Management	TBD

Workshop Summary/Next Steps



CTP Schedule

✓ Work remains on schedule!

	FEB 24	MAY 24	SEP 24	OCT- NOV 24
Finish:	CTP Frame- work	Co- Benefit Matrix	Draft CTP	Final CTP



Public Comment

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Marin CTP & CBTP Draft Outline

1. Executive Summary
 - a. Purpose of the CTP and CBTP
 - b. Vision
 - c. Goals
 - d. Definitions of Equity, Safety, and Sustainability
 - e. Relationship to State and Regional Plans
 - f. Key Recommendations
2. Planning and Engagement Process
 - a. Stakeholder Committees: TAC, EWG, Ad Hoc
 - b. Public Engagement: Focus Groups, Survey, Pop-ups
 - c. Board Workshops
 - d. Plan Development Steps
3. Plan Context
 - a. Overview of Relevant Transportation Plans and Policy
 - i. State and Regional Plans
 - ii. County Plans
 - b. Marin Transportation History
 - i. TAM History and Accomplishments
 - c. Existing Conditions
 - i. TAM Ongoing Programs and Projects
 - ii. Existing and Planned Modal Networks
 - d. Funding Landscape
4. Needs Assessment
 - a. Emerging Issues
 - b. Future Trends
 - c. Barriers to Transportation Equity
5. Strategies and Performance
 - a. Strategies
 - i. Local Focus
 - ii. Regional Focus
 - iii. System Management Focus
 - b. Matching Needs and Strategies
 - c. Strategy Co-Benefits and Policy Guidance
6. Priorities and Implementation
 - a. Community and Stakeholder Priorities
 - b. Roles and Responsibilities
 - c. Coordination Approach
 - d. Upcoming Implementation Opportunities
 - e. Additional Study Needs

CTP/CBTP Figures

No.	Title	Placement in the CTP
1	Youth under 18	Equity Mapbook
2	Percent of Pop over 65	Equity Mapbook
3	Percent of Pop Living under Federal Poverty Level + EPC	Equity Mapbook
4	Low-income Families	Equity Mapbook
5	Low-income Jobs	Equity Mapbook
6	Race	Equity Mapbook
7	People with disabilities	Equity Mapbook
8	Unhoused population	Equity Mapbook
9	Zero Vehicle Households	Equity Mapbook
10	Highway Projects in Planning	CTP Context
11	Existing Transit + Mobility hubs	CTP Context
12	Transit Projects & Programs in Planning Stage	CTP Context
13	Status of Regional Bikeways	CTP Context
14	Wildland Urban Interface	Needs Assessment
15	SLR Vulnerability Zone	Needs Assessment
16	PDA's and New Housing Sites	Needs Assessment
17	Transit and New Housing Sites	Needs Assessment
18	KSI Collision Locations	Needs Assessment
19	Public EV Charging Locations overlaid with Housing Density (differentiated by single family and multi-family)	Needs Assessment
20	Primary Active Transportation Network	CTP Strategies
21	Visitor and Recreation Routes and Services	CTP Strategies
22	Transit Priority Routes – Local/regional	CTP Strategies
23	Evacuation Routes	CTP Strategies
24	School Transportation	CTP Strategies
25	Activity Hub Buffers	CTP Strategies
26	Regional Connections	CTP Strategies
27	Key Community Corridors	CTP Strategies

Companion Documents

1. Outreach Summary Report
2. Transportation Equity Mapbook

DRAFT Strategy and Resource Alignment for TAM CTP and CBTP

#	STRATEGY/PROGRAM	CATEGORY	EXAMPLE PROGRAMS/PROJECTS	EXISTING FUNDING CONTEXT	TAM ROLE
Strategies with Higher Levels of Current Resources (Funding and Staffing)					
1	Fix It First – operate and maintain existing streets, transit systems, and the regional pedestrian and bikeway network.	Local	Street, transit, bike and pedestrian network operations and maintenance, and minor capital improvements	Local Transportation Funds; State and Federal Formula Funding; County funding (Measures AA and B); Competitive Regional, State and Federal Grants	Provide formula funding to local agencies; Support grant applications
2	Regional Connectivity – a coordinated system of regional freeway, bridge, rail, and ferry connections and travel options to surrounding counties.	County/Regional	Marin-Sonoma Narrows, SR 37, US 101 to 580 project, SMART Rail, Regional Bus, Ferry Services	Regional, State and Federal Funding (competitive and formula); County Funding (Measure AA, SMART Measure Q, GGB Tolls)	Project planning and delivery; Support coordination with Regional, State, County partners
3	Safe School Travel – coordinate and support active transportation and/or bus options for schools.	Local	Safe Routes to School, Crossing Guard Program, Safe Pathways, Yellow School Bus, Supplemental School Services	County funding (Measure AA, B); Regional, State & Federal Funding	Manage SR2S programs; Provide grant funding for capital Improvements; Manage Crossing Guard Program; Measure funding for yellow school bus and supplemental school bus programs
Strategies with Moderate to Low Levels of Resources					
4	High Quality Transit – a coordinated, convenient, reliable, and accessible transit system.	County/Regional	Marin Transit, Golden Gate, and SMART service	Competitive Regional, State and Federal Grants; GGB Bridge Tolls; SMART Measure Q; County funding for MTCD (Measures A/AA and B)	Provide funding to Marin Transit Coordination with regional partners
5	Complete Active Transportation Network – a continuous primary bikeway network of pedestrian and bicycle facilities linking activity centers.	County/Regional	North-South Greenway (NSGW), SMART MUP, Cross Marin Bikeway (CMB), North-South Bikeway, and Bay Trail. Supportive Facilities for biking, lockers, etc.	Competitive Regional, State and Federal; Grants Limited TDA/TFCA Funding	Project delivery of RM2 funded Projects; Grant Support for regional, state and Federal Funding
6	Community Identified Investments – community-informed investments in transportation accessibility, affordability, and comfort for historically and systemically marginalized and excluded groups.	Local	Improvements identified in Community Based Transportation Plans (CBTPs) for Canal, Marin City communities	Competitive Regional, State and Federal Grants	Manage CBTP program; Support funding for CBTP Improvements; Support grant applications
7	Commute Alternatives and Travel Education – ongoing travel marketing, public communication/outreach, and education campaigns to generate awareness and comfort using county travel options, modal networks, and financial assistance programs.	System Management	Travel Navigators, Marin Commutes Education and Incentive Program Emergency Ride Home Program, Vanpool Program	County funding (Measure AA/B)	Manage outreach and incentives on commute alternatives
8	Connected & Complete Community Corridors – Reconnecting communities with complete streets and safe crossings that include context-sensitive, community-informed solutions for US-101, major and minor arterials, and major hubs.	Local	Corridor Projects, The Hub, US 101 interchange projects, secondary access projects	Competitive Regional, State and Federal Grants; County funding (Measure AA) for Interchange Improvements; State Highway OM Funding (SHOPP)	Managed US 101 Interchanges Study; Coordinate on local needs, Previous Major Roads Program

DRAFT Strategy and Resource Alignment for TAM CTP and CBTP

#	STRATEGY/PROGRAM	CATEGORY	EXAMPLE PROGRAMS/PROJECTS	EXISTING FUNDING CONTEXT	TAM ROLE
9	Transportation Data & System Management – develop a county travel data approach to monitor travel patterns and changes to the network, and support management of new technologies including the introduction of connected and autonomous vehicles.	System Management	Monitoring transportation system usage, operations, and travel behaviors System Monitoring Program, TAM demand model, Innovation Program (Measure AA)	County funding (Measure AA); Competitive Regional, State and Federal Grants	Provide Traffic Monitoring Program; Provide TAM demand model; Manage Innovation Program (Measure AA); Coordination with MTC, MarinMap & County Data Teams
Strategies with Low Resources Levels and Implemented by Other Agencies (with TAM support)					
10	Safe System Approach – implement the new national Safe System for road users, safer vehicles, safer speeds, safer roads, and post-crash care to reach the zero deaths vision.	Local	Safety improvement projects – capital improvements, reduced speed limits, traffic signal and signage improvements.	Competitive Regional, State and Federal Grants	Coordinated Marin County Local Road Safety Plan (LRSP)
11	Accessible & Walkable Communities – a connected, accessible, and high-quality active transportation environment within a half-mile of SMART stations, transit hubs, activity centers, and commercial districts.	Local	Local bike and pedestrian improvement projects that connect to major transportation facilities and activity centers	Local Transportation Funds; County funding (Measure AA); Competitive Regional, State and Federal Grants	Fund support through measure program; Led First/Last Mile Services; Conducting Mobility Hubs study,
12	Flexible Ride Programs – public and private ride services for seniors, people with disabilities, and other non-drivers, including services for intra-county medical trips.	County/Regional	Marin Access, On-demand services, Volunteer Driver Programs,	County Funding (Measure AA/B); Competitive Regional, State and Federal Grants	Funding support through Measure Program
13	Zero Emission Vehicles – supporting greenhouse gas emission reductions through light duty zero emission vehicles via a coordinated network of transportation charging/fueling technology, and coordination on public agencies fleet vehicle replacement for light and medium duty vehicles.	System Management	Charging/fueling technology for transit and local agencies to support fleet conversions and for multi-family housing. Low-income EV purchase incentives.	Competitive Regional, State and Federal Grants; MCE & PGE Funding; County Funding (Measure B)	Fund Public Agency Rebates; Technical support; Outreach; Support for Grant Applications
Emerging Strategies (Lead Agencies TBD)					
14	Adaptation to Climate Change – address the effects of sea level rise, flooding, wildfires, heat, and other climate-induced events on the transportation system.	System Management	Sea level rise improvement measures to address infrastructure flooding (Marin City, West Marin, Canal), evacuation route communications and traffic management infrastructure	Competitive Regional, State and Federal Grants; County funding (Meas AA)	TBD; Conducting Sea Level Rise Study on Transportation Assets
15	Visitor Travel Management – mode shift and communication strategies to improve the visitor experience and reduce the effects of visitor traffic and parking.	System Management	Traffic and parking management programs for West Marin (Stinson, Point Reyes National Seashore), Sausalito, and Tiburon	Competitive Regional, State and Federal Grants; Federal Parks funding; County Transit Funding	TBD; Funding for Muir Woods shuttle and West Marin Stagecoach