

Members

Jim Desmond, Chair
Vice Chair, County of San Diego
(Representing **County of San Diego**)

Bill Sandke, Vice Chair
Councilmember, City of Coronado
(Representing **South County**)

Monica Montgomery
Councilmember, **City of San Diego**

Bill Baber
Councilmember, City of La Mesa
(Representing **East County**)

Jewel Edson
Mayor, City of Solana Beach
(Representing **North County Coastal**)

Paul McNamara
Mayor, City of Escondido
(Representing **North County Inland**)

Bill Sandke
Metropolitan Transit System

Jack Feller
North County Transit District

Johanna Schiavoni
**San Diego County Regional
Airport Authority**

Garry Bonelli
Commissioner, **Port of San Diego**

Alternates

Judy Ritter
Mayor, City of Vista
(Representing **North County Inland**)

Mary Salas
Mayor, City of Chula Vista
(Representing **South County**)

Chris Ward
Councilmember, **City of San Diego**

Greg Cox
Chair, **County of San Diego**

Nathan Fletcher
Supervisor, **County of San Diego**

Jennifer Mendoza
Councilmember, City of Lemon Grove
(Representing **East County**)

Joe Mosca
Councilmember, City of Encinitas
(Representing **North County Coastal**)

Vacant
Metropolitan Transit System

Sharon Jenkins / Terry Gaasterland
North County Transit District

Michael Schumacher
**San Diego County Regional
Airport Authority**

Michael Zucchet
Commissioner, **Port of San Diego**

Advisory Members

Gustavo Dallarda / Ann Fox
Caltrans District 11

Erica Pinto, *Jamul*
Fred Nelson, Jr., *La Jolla*
**Southern California Tribal
Chairmen's Association**

Hasan Ikhata
Executive Director, **SANDAG**



Transportation Committee Agenda

Friday, March 6, 2020
9 a.m. to 12 noon
SANDAG Board Room
401 B Street, 7th Floor
San Diego

Agenda Highlights

- **Update on the Water Ferry System in San Diego**
- **Military Multimodal Access Strategy**
- **An Overview of the SANDAG Modeling Tools Used to Assess Travel Behavior and Resulting Greenhouse Gas Emissions and Vehicle Miles Traveled**

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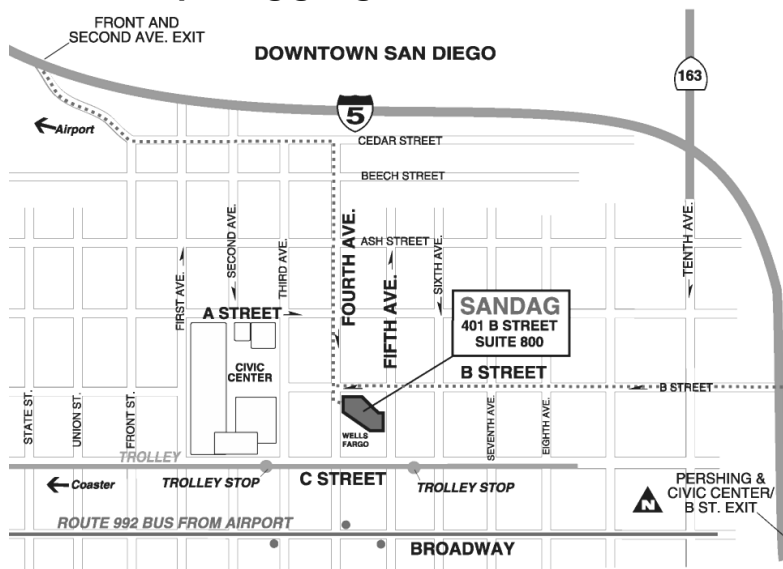
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Transportation Committee

Friday, March 6, 2020

Item No.		Action
+1.	Approval of Meeting Minutes The Transportation Committee is asked to review and approve: +1A. February 14, 2020, joint meeting minutes with the Board of Directors and Regional Planning Committee +1B. February 21, 2020, meeting minutes	Approve
2.	Public Comments/Communications/Member Comments Members of the public shall have the opportunity to address the Transportation Committee on any issue within the jurisdiction of SANDAG that is not on this agenda. Anyone desiring to speak shall reserve time by completing a Request to Comment form and giving it to the Clerk prior to speaking. Public speakers should notify the Clerk if they have a handout for distribution to Transportation Committee members. Public speakers are limited to three minutes or less per person. Transportation Committee members also may provide information and announcements under this agenda item.	
3.	Executive Director's Report <i>Hasan Ikhata, SANDAG</i> An update on key programs, projects, and agency initiatives, including San Diego Forward: The 2021 Regional Plan and the Airport Connectivity project will be presented.	Discussion
Reports		
+4.	Update on the Water Ferry System in San Diego <i>Brian Lane, SANDAG</i> An overview of the water ferry system in San Diego, current conditions, and possible plans for future expansion will be presented.	Discussion/Possible Action
+5.	Military Multimodal Access Strategy <i>Jane Clough and Allison Woodworth, SANDAG</i> An overview of the Military Multimodal Access Strategy report will be presented.	Discussion/Possible Action
+6.	An Overview of the SANDAG Modeling Tools Used to Assess Travel Behavior and Resulting Greenhouse Gas Emissions and Vehicle Miles Traveled <i>Pat Landrum, Rick Curry, and Elisa Arias, SANDAG</i> An overview of SANDAG modeling tools used to assess travel behavior and resulting greenhouse gas emissions and vehicle miles traveled will be presented.	Discussion/Possible Action

7. Continued Public Comments

If the five-speaker limit for public comments was exceeded at the beginning of this agenda, other public comments will be taken at this time. Subjects of previous agenda items may not again be addressed under public comment.

8. Upcoming Meetings

The next Transportation Committee meeting is scheduled for Friday, March 20, 2020, at 9 a.m.

Information

9. Adjournment

+ next to an item indicates an attachment

March 6, 2020

February 14, 2020, Joint Meeting Minutes of the Board of Directors, and Transportation and Regional Planning Committees

Board of Directors Chair Steve Vaus (Poway) called the joint meeting of the Board, and Transportation and Regional Planning Committees to order at 9:05 a.m.

Action: **Approve**

The Transportation Committee is asked to approve the minutes from its February 14, 2020, meeting.

1. Public Comments/Communications/ Member Comments

Clive Richard, a member of the public, spoke regarding various regional transportation issues.

Megan Murray, member of the public, spoke regarding climate changes impacts in the region.

Jack Shu, Cleveland National Forest Foundation, spoke regarding the need for greenhouse gas emission reduction in the region.

Karl Aldinger, member of the public, spoke regarding climate changes impacts in the region.

2. Policy Advisory Committee Chairs' Report (Information)

None.

Action: Information only.

3. Executive Director's Report (Discussion)

Executive Director Hasan Ikhata presented an update on key programs, projects, and agency initiatives, including San Diego Forward: The 2021 Regional Plan.

Action: Discussion only.

Reports

4. Greenhouse Gas Emissions and Vehicle Miles Traveled: An Overview of State Requirements and SANDAG Modeling Tools* (Discussion/Possible Action)

An overview of state laws related to vehicle miles traveled, greenhouse gas emission reductions, and modeling tools was presented.

Chief Analytics Officer and Chief Economist Ray Major, Director of Regional Planning Coleen Clementson, Principal Regional Planner Elisa Arias introduced the item and the panel members.

Kate Gordon, Director, Governor's Office of Planning and Research, Senior Advisor to the Governor on Climate; Dr. Jennifer Gress, Chief, Sustainable Transportation & Communities Division, California Air Resources Board; and Ellen Greenberg, Deputy Director, Sustainability, Caltrans, discussed how these state requirements apply to the 2021 Regional Plan, including what has changed since the 2015 Regional Plan was adopted.

Sophie Wolfram, Climate Action Campaign, spoke in support of this item.

Sarah Walsh, SD Green New Deal Alliance, spoke in support of this item.

Dr. Murtaza Baxamusa, San Diego Building Trades Family Housing Corporation, spoke in support of this item.

Gretchen Newsome, Quality of Life Coalition, spoke in support of this item.

Oscar Medina, Environmental Health Coalition, spoke in support of this item.

Esperanza Gonzalez, Environmental Health Coalition, spoke in support of this item.

Alicia Sanchez, Environmental Health Coalition, spoke in support of this item.

Nicole Burgess, a member of the public, spoke in support of this item.

Action: Discussion only.

5. Continued Public Comments

None.

6. Upcoming Meetings

The next Transportation Committee meeting is scheduled is scheduled for Friday, February 21, 2020, at 9 a.m.

7. Adjournment

Board of Directors Chair Vaus adjourned the joint meeting at 10:54 a.m.

Confirmed Attendance at SANDAG Joint Board of Directors and Transportation and Regional Planning Committees Meeting

Board of Directors	Name	Attend	Comments
City of Carlsbad	Cori Schumacher (Primary)	Yes	
City of Chula Vista	Mary Salas (Primary)	Yes	
City of Coronado	Richard Bailey (Primary)	Yes	
City of Del Mar	Ellie Haviland (Primary)	Yes	
City of El Cajon	Bill Wells (Primary)	Yes	
City of Encinitas	Catherine Blakespear (Primary)	Yes	
City of Escondido	Paul McNamara (Primary)	Yes	
City of Imperial Beach	Serge Dedina (Primary)	Yes	
City of La Mesa	Kristine Alessio (1st Alt)	Yes	
City of Lemon Grove	Racquel Vasquez (Primary)	Yes	
City of National City	Alejandra Sotelo-Solis (Primary)	Yes	
City of Oceanside	Jack Feller (Primary)	Yes	
City of Poway	Steve Vaus (Primary)	Yes	
City of San Diego	Kevin Faulconer (Primary)	Yes	
City of San Diego	Georgette Gomez (Primary)	Yes	
City of San Marcos	Rebecca Jones (Primary)	Yes	
City of Santee	John Minto (Primary)	Yes	
City of Solana Beach	David Zito (Primary)	Yes	
City of Vista	Judy Ritter (Primary)	Yes	
County of San Diego	Jim Desmond (Primary)	Yes	
County of San Diego	Kristin Gaspar (Primary)	Yes	
Caltrans	Gustavo Dallarda (1st Alt.)	Yes	
Metropolitan Transit System	Paloma Aguirre (Primary)	No	
North County Transit District	Tony Kranz (Primary)	Yes	
Imperial County	Sup. Jesus Escobar (Primary)	No	
U.S. Department of Defense	Joe Stuyvesant (Primary)	Yes	
Port of San Diego	Garry Bonelli (Primary)	No	
San Diego County Water Authority	Mel Katz (Primary)	Yes	
San Diego County Regional Airport Authority	April Boling (Primary)	Yes	
Mexico	Carlos González Gutiérrez (Primary)	No	
Southern California Tribal Chairmen's Association	Fred Nelson, Jr. (Alternate)	Yes	

Transportation Committee	Name	Member/ Alternate	Attend	Comments	Out
North County Inland	Paul McNamara	Member	No	BOD	
	Judy Ritter	Alternate	No	BOD	
South County	Bill Sandke, Vice Chair	Member	Yes	TC only PV	BOD MTS alt
	Mary Salas	Alternate	No	BOD	
City of San Diego	Monica Montgomery	Member	Yes		
	Chris Ward	Alternate	No	RPC	
County of San Diego	Jim Desmond, Chair	Member	No	BOD	
	Greg Cox	Alternate	No		
	Nathan Fletcher	Alternate	No		
East County	Bill Baber	Member	No	NA	
	Jennifer Mendoza	Alternate	Yes	TC Only-V	
North County Coastal	Jewel Edson	Member	Yes	TC only V	BOD NCTD A
	Joe Mosca	Alternate	Yes	TC A	
Metropolitan Transit System	Bill Sandke	Member	No	TC P	
	Vacant	Alternate	No		
North County Transit District	Jack Feller	Member	No	BOD	
	Sharon Jenkins	Alternate	No		
	Terry Gaasterland	Alternate	No		
San Diego County Regional Airport Authority	Johanna Schiavoni	Member	No		
	Mark West	Alternate	Yes	TC only V	
Port of San Diego	Garry Bonelli	Member	Yes	TC V	BOD P
	Michael Zucchet	Alternate	No		
Advisory Members					
Caltrans	Gustavo Dallarda	Member	No	BOD	
	Ann Fox	Alternate	No	BOD	
Southern California Tribal Chairmen's Association	Erica Pinto	Member	No		
	Fred Nelson, Jr.	Member	No	BOD	
Other Attendees	Matt Tucker	NCTD	No		
	Paul Jablonski	MTS	Yes		

Regional Planning Committee	Name	Member/Alternate	Attend	In	Out
South County	Mary Salas, Chair	Member	No	BOD	
	Mike Donovan	Alternate	Yes	RPC A	
East County	Kristine Alessio, Vice Chair	Member	Yes	RPC V	BOD A V
	Akilah Weber	Alternate	No		
City of San Diego	Chris Ward	Member	Yes		
	Chris Cate	Alternate	No		
County of San Diego	Kristin Gaspar	Member	No	BOD	
	Jim Desmond	Alternate	No	BOD	
North County Coastal	Dwight Worden	Member	Yes		
	Chris Rodriguez	Alternate	No		
North County Inland	Rebecca Jones	Member	No	BOD	
	Joe Green	Alternate	No		
Advisory Members					
Caltrans, District 11	Gustavo Dallardo	Member	No	BOD	
	Ann Fox	Alternate	No		
	Mario Orso		No		
Metropolitan Transit System	Jill Galvez	Member	Yes		
	Vacant	Alternate	No		
North County Transit District	Paul McNamara	Member	No		
	John Franklin	Alternate	No		
Port of San Diego	Garry Bonelli	Member	No	TC	
	Michael Zucchet	Alternate	No		
Regional Planning Technical Working Group	Karen Brindley	Member	No		
	Tony Shute	Alternate	No		
San Diego County Water Authority	Barry Leonard	Member	No		
	Brian Boyle	Alternate	No		
Southern California Tribal Chairmen's Association	Eric LaChappa	Member	No		
	Cody Martinez	Alternate	No		
U.S. Department of Defense	Steve Chung	Member	No		
	Mary Beth Dreusike	Alternate	No		
California Department of Fish and Wildlife	Vacant	Member	No		
	David Mayer	Alternate	No		
Wildlife Conservation Board	John Donnelly	Member	No		
	Vacant	Alternate	No		
U.S. Army Corps of Engineers	Michelle Lynch	Member	No		
	Kyle Dahl	Alternate	No		
U.S. Fish and Wildlife Service	Vacant	Member	No		
	Susan Wynn	Alternate	No		

March 6, 2020

February 21, 2020, Transportation Committee Meeting Minutes

Chair Jim Desmond (County of San Diego) called the meeting of the Transportation Committee to order at 9 a.m.

Action: Approve

The Transportation Committee is asked to approve the minutes from its February 21, 2020, meeting.

1. Approval of Meeting Minutes (Approve)

Action: Upon a motion by Commissioner Garry Bonelli (Port of San Diego [Port]), and a second by Vice Chair Bill Sandke (South County), the Transportation Committee approved the minutes from the February 7, 2020, meeting. Yes: Chair Desmond, Vice Chair Sandke, Councilmember Bill Baber (East County), Mayor Paul McNamara (North County Inland), Deputy Mayor Jack Feller (North County Transit District [NCTD]), Commissioner Bonelli, and Joanna Schiavoni (San Diego County Regional Airport Authority [SDCRAA]). No: None. Abstain: None. Absent: City of San Diego, North County Coastal, and Metropolitan Transit System [MTS]).

2. Public Comments/Communications/ Member Comments

John Wotzka, member of the public, submitted written comments and spoke regarding various national issues.

George Mavrik, member of the public, spoke regarding lack of response from staff and members to public comments.

Clive Richard, member of the public, spoke briefly regarding various issues.

Acting D11 District Director Gustavo Dallarda announced that Cory Binns has been appointed as the Caltrans Deputy Director of Operations and Maintenance; Gustavo Dallarda will continue as the Acting D11 Director until the position is permanently filled.

Chair Desmond announced that a ceremony was held on February 20, 2020, to celebrate the completion of the Poinsettia Station Improvements project in the City of Carlsbad.

3. Executive Director's Report (Discussion)

Chief Planning and Innovation Officer Ray Traynor presented an update on key programs, projects, and agency initiatives, including San Diego Forward: The 2021 Regional Plan and the Airport Connectivity project.

Action: Discussion only.

Consent

4. FY 2020 State Transit Assistance Claim Amendment (Adopt)

The Transportation Committee was asked to adopt Resolution No. 2020-19, approving the FY 2020 State Transit Assistance claim amendment for the North County Transit District.

5. Federal Transit Administration Section 5311 Program of Projects (Recommend)

The Transportation Committee was asked to recommend that the Board of Directors approve the FFY 2020 apportionment of Federal Transit Administration Section 5311 Non-Urbanized Area Formula Program funds for the San Diego region.

6. Proposed FY 2020 Program Budget Amendment: Division 6 Bus Maintenance Facility (Recommend)

The Transportation Committee was asked to recommend that the Board of Directors approve an amendment to the FY 2020 Program Budget to create a new Capital Improvement Program Project No. 1147500 for the Division 6 Bus Maintenance project; and accept up to \$100,000 from Metropolitan Transit System to fund the initial environmental studies.

Action: Upon a motion by Councilmember Monica Montgomery (City of San Diego), and a second by Deputy Mayor Feller, the Transportation Committee approved Consent Items Nos. 4 through 6, as amended. Yes: Chair Desmond, Vice Chair Sandke, Councilmember Montgomery, Councilmember Baber, Mayor Jewel Edson (North County Coastal), Mayor McNamara, Deputy Mayor Feller, Commissioner Bonelli, and Joanna Schiavoni. No: None. Abstain: None. Absent: MTS.

Reports

7. California Department of Finance Population Projections (Information)

Chief Analytics Officer and Chief Economist Ray Major presented an update on the population projections released by the Department of Finance in January 2020.

Action: Information only.

8. FY 2021 to FY 2025 *TransNet* Program and Transit-Related Revenues (Recommend)

Senior *TransNet* Program Manager Ariana zur Nieden, Financial Programming Manager Dawn Vettese, and Senior Economist Stephanie Guichard presented the item.

Action: Upon a motion by Deputy Mayor Feller, and a second by Vice Chair Sandke, the Transportation Committee recommended that the Board of Directors approve the FY 2021 to FY 2025 estimates and apportionments for Transportation Development Act, Federal Transit Administration, and *TransNet* funds. Yes: Chair Desmond, Vice Chair Sandke, Councilmember Montgomery, Councilmember Baber, Mayor Edson, Mayor McNamara, Deputy Mayor Feller, Commissioner Bonelli, and Joanna Schiavoni. No: None. Abstain: None. Absent: MTS.

9. Impact of the Safer Affordable Fuel-Efficient Vehicle Rule on the 2020 Regional Transportation Improvement Program (Information)

Senior Project Control Analyst Sue Alpert presented an overview of the impact of the Safer Affordable Fuel-Efficient rule on the 2020 Regional Transportation Improvement Program.

Action: Information only.

10. Comprehensive Multimodal Corridor Plans (Information)

Principal Project Manager Richard Chavez presented an overview of the Comprehensive Multimodal Corridor Plan process that is being used to refine and prioritize transportation solutions within 12 corridors throughout the San Diego region.

Nicole Burgess, Bike SD, spoke in support of this item and more active transportation projects in the region.

Action: Information only.

11. Regional Bikeway Program Update (Information)

Principal Regional Planner Linda Culp presented an overview on progress made on the Regional Bikeway Program.

Nicole Burgess, Bike SD, spoke in support of this item.

Bee Mittermiller, San Diego 350, spoke in support of this item.

Dan Summers, Ramona Community Planning Group, spoke in support of this item and safety along the State Route 67 corridor.

Action: Information only.

12. Continued Public Comments

None.

13. Upcoming Meetings

The next Transportation Committee meeting is scheduled for Friday, March 6, 2020, at 9 a.m.

14. Adjournment

Chair Desmond adjourned the meeting at 10:36 a.m.

Confirmed Attendance at Transportation Committee Meeting

Jurisdiction	Name	Member/ Alternate	Attended
County of San Diego	Jim Desmond, Chair	Member	Yes
	Greg Cox	Alternate	No
	Nathan Fletcher	Alternate	No
South County	Bill Sandke, Vice Chair	Member	Yes
	Mary Salas	Alternate	No
City of San Diego	Monica Montgomery	Member	Yes
	Chris Ward	Alternate	No
East County	Bill Baber	Member	Yes
	Jennifer Mendoza	Alternate	No
Metropolitan Transit System	Bill Sandke	Member	No
	Vacant	Alternate	No
North County Coastal	Jewel Edson	Member	Yes
	Joe Mosca	Alternate	No
North County Inland	Paul McNamara	Member	Yes
	Judy Ritter	Alternate	Yes
North County Transit District	Jack Feller	Member	Yes
	Sharon Jenkins	Alternate	No
	Terry Gaasterland	Alternate	No
Port of San Diego	Garry Bonelli	Member	Yes
	Michael Zucchet	Alternate	No
San Diego County Regional Airport Authority	Johanna Schiavoni	Member	Yes
	Mark West	Alternate	No
Advisory Members			
Caltrans	Gustavo Dallarda	Member	Yes
	Ann Fox	Alternate	Yes
Southern California Tribal Chairmen's Association	Erica Pinto	Member	Yes
	Fred Nelson, Jr.	Member	No
Other Attendees			
NCTD	Eun Park-Lynch		Yes
MTS	Paul Jablonski		Yes

March 6, 2020

Update on the Water Ferry System in San Diego

Overview

A water ferry system has been operating in the San Diego Bay since the 1880s except for a 20-year period immediately following the opening of the Coronado Bridge.

Ferry service in San Diego Bay today is operated privately, with some public funds to support commute trips. Staff will present an update on current operating conditions and discuss possible plans for future expansion.

Action: **Discussion/Possible Action**

An overview of the water ferry system in San Diego, current conditions, and possible plans for future expansion will be presented.

Fiscal Impact:

None.

Schedule/Scope Impact:

None.

Key Considerations

There are two ferry routes between Coronado and San Diego operated by Flagship Cruises, which provide roughly 800,000 trips across the San Diego Bay each year. There are currently 38 weekday trips to/from the Broadway Pier, and 52 weekday trips to/from the Convention Center (six of the morning trips to/from Broadway Pier are considered "commute" trips). The commute trips are a complimentary service provided by the City of Coronado for residents and members of the military working or living in San Diego or Coronado. Commuters receive a complimentary fare Monday through Friday when they board the six earliest morning trips to/from Broadway Pier. Morning commuters obtain a commuter ticket from the morning ferry crew for their afternoon return trip.

The City of Coronado works closely with Flagship Cruises to receive subsidies from the State of California for the commuter trips and has plans to apply for federal funds for upgrades to the current service.

Stakeholders, including the Metropolitan Transit System, the City of Coronado, the U.S. Navy, San Diego Unified Port District, Flagship Cruises, and SANDAG, are working closely together to ensure that the service remains a viable mobility option for both tourists and commuters today and into the future.

Coleen Clementson, Director of Regional Planning

Key Staff Contact: Brian Lane, (619) 699-7331, brian.lane@sandag.org

March 6, 2020

Military Multimodal Access Strategy

Overview

The Military Multimodal Access Strategy was a near-term action identified in the 2015 Regional Plan to enhance planned regional transportation investments with supporting regional and local projects, operational improvements, and programs that facilitate access to the region's diverse and dispersed military facilities. SANDAG was also awarded an FY 2017-2018 Caltrans Strategic Partnership Planning Grant to facilitate coordination and collaboration between military and civilian stakeholders to assess the transportation challenges to military installations in the region. The San Diego Regional Military Working Group (MWG), which reports to the Regional Planning Committee, served as the Project Advisory Group.

Action: Discussion/Possible Action

An overview of the Military Multimodal Access Strategy report will be presented.

Fiscal Impact:

None

Schedule/Scope Impact:

None.

Key Considerations

The San Diego region is home to the largest concentration of military assets in the world, employing over 140,000 active duty military personnel and civilian employees and 241,000 veterans and retirees. This defense cluster represents one of every five jobs in the region, and over 20% of San Diego's gross regional product. With continuous yearly growth and the Navy's plan to homeport an additional five ships in the region in FY 2020, traffic congestion surrounding military facilities is projected to increase. Traffic congestion impacts the demand on the regional and local transportation network; contributes to the region's greenhouse gas emissions; and affects the military's ability to move goods, equipment, and personnel that are essential to national security.

Finding solutions has been difficult due in part to:

- Legal/Policy framework between military installations and adjacent jurisdictions
- Leadership and staff turnover to maintain awareness and utilization of alternative commute programs
- Location of military facilities and housing
- Limited commute options that support military needs

The Military Multimodal Access Strategy was developed to address these challenges and ensure the region can sustain and support future military growth and includes:

- A **Project Inventory** of over 200 projects to help address multimodal access needs to military installations and alleviate congestion on local roadways in a searchable database.
- A set of **Top Projects** to further identify which projects would best reflect the MWG's mission, vision, and values.
- **Key Strategies** to guide how the MWG can engage with stakeholders to support projects and decisions that address the military's priorities in the San Diego region.

The report's executive summary is included as Attachment 1. The full report is available at sandag.org/mmas.

Next Steps

The priority projects and programs identified through the Military Multimodal Access Strategy will be considered during the development of the 2021 Regional Plan and the 12 Comprehensive Corridor Management Plans.

Coleen Clementson, Director of Regional Planning

Key Staff Contacts: Jane Clough, (619) 699-1909, jane.clough@sandag.org
Allison Woodworth (619) 595-5301, allison.woodworth@sandag.org

Attachment: 1. Military Multimodal Access Strategy Executive Summary



Executive Summary

The San Diego region is home to the largest concentration of military assets in the world, supporting a robust ecosystem of over 384,000 active duty military personnel, civilian employees, and veterans. This defense cluster generates significant economic benefit for the region, but also adds considerable demand on the transportation network, particularly near military facilities. Finding solutions has been difficult due in part to:

- Legal/Policy framework between military installations and adjacent jurisdictions
- Leadership and staff turnover to maintain awareness and utilization of alternative commute programs
- Location of military facilities and housing
- Limited commute options that support military needs

Added demand on the transportation network exacerbates traffic-related impacts in the region affecting national security, increasing greenhouse gas emissions, and impacting livability. Collaboration among stakeholders is critical to identifying solutions. To address these challenges and ensure the region can sustain and support future military growth, the San Diego Regional Military Working Group (MWG) developed a Military Multimodal Access Strategy (Strategy). Based on the data and input collected, the Strategy aims to:

- Develop a process to collaborate and prioritize transportation improvements to support both military and local needs
- Identify access improvements that benefit multiple stakeholders
- Develop recommendations and next steps to guide the MWG
- Serve as a model for other regions to coordinate transportation solutions with the military or other employers with dispersed campuses.

What's in this document?

The **Project Inventory** was compiled through stakeholder interviews, a literature review, a stakeholder workshop, Project Development Team input, and the sessions with MWG. The inventory represents the multimodal transportation improvements (infrastructure projects and programs) needed to improve access to installations throughout the region. A set of **Top Projects** was developed to further identify which projects reflect the MWG's mission, vision, and values. These top projects are not prioritized but could be reassessed as funding opportunities become available. In addition, a dynamic project inventory (**Screening Tool**) was developed to enable stakeholders to sort the project list based on key variables—such as project cost or relevant jurisdiction—to improve strategic collaboration, funding opportunities, and partnerships.

Table 1. Strategy Snapshot

	Freeway Highway		Local Street / Road		Rail		Active Transportation		Transit		Micromobility		TDM / Land Use	
	Total Type	Total Cost	Total Type	Total Cost	Total Type	Total Cost	Total Type	Total Cost	Total Type	Total Cost	Total Type	Total Cost	Total Type	Total Cost
North	14	\$10,766	7	\$25	7	\$7,617	3	\$36	7	\$1,215	-	-	-	-
East	1	\$178	-	-	-	-	1	\$0.2	3	\$363	-	-	-	-
Central	17	\$7,951	4	\$7	-	-	8	\$1,571	10	\$6,927	3	\$10	5	-
South	22	\$6,757	24	\$6,116	2	\$42	41	\$316	26	\$15,121	4	\$68	-	-
Region-wide	1	\$0.3	-	-	-	-	-	-	2	\$735	-	-	-	-

Costs in 2019\$, millions. Although projects may fit into more than one category they were classified by their primary elements. TDM projects were not costed.



A comprehensive framework of **Regional Strategies and Actions** was identified to guide the MWG's future decision making. The key strategies and summarized actions are briefly outlined below.

Regional Strategies

Strategy #1: Support Agency Collaboration

The MWG should align the efforts of project supporters and problem solvers to address military multimodal access challenges in various sub-regions of San Diego.

Recommended Actions:

- Integrate military installation representatives into the Project Development Teams and committees for local projects that may impact the military's multimodal access
- Create a shared calendar that highlights known grant cycles and major planning document schedules

Strategy #2: Advocate for MWG Projects

The MWG projects would benefit base access and personnel mobility but are often "long-term" improvements due to their regional nature. The MWG's projects need advocacy to accelerate implementation.

Recommended Actions:

- Regularly present MWG priorities to all levels of government including local councils, SANDAG Regional Planning Committee, SANDAG Board of Directors, state agencies, and federal agencies
- Package projects in ways that can be easily communicated to relevant stakeholders
- Push for MWG priority projects to be elevated in each agency's list of priorities

Strategy #3: Pursue Funding from Outside Sources

Funding is a major component of implementing the MWG's priority projects and is often supplemented by grants or funds from regional, state, and/or federal agencies. By partnering to access available funding, the MWG can help advance projects more quickly.

Recommended Actions:

- Have a standing grant update item on MWG meeting agendas
- Form a subcommittee with local partners to coordinate when grant opportunities arise
- Provide resources to develop a list of high priority projects with necessary details to be "grant ready"
- Provide letters of support for MWG projects seeking grant funding

Strategy #4: Maintain MWG Project Inventory

Maintaining quality project data is critical for the MWG to quickly respond to new funding opportunities as they arise.

Recommended Actions:

- Assign "inventory coordinator" from MWG to take responsibility of the list
- Update the list with new projects and remove completed projects periodically
- Create new "project priority" list prior to SANDAG Regional Plan updates

March 6, 2020

An Overview of the SANDAG Modeling Tools Used to Assess Travel Behavior and Resulting Greenhouse Gas Emissions and Vehicle Miles Traveled

Overview

At the joint Board of Directors, and Transportation and Regional Planning Committees meeting, on February 14, 2020, panelists from the Governor’s Office of Planning and Research, the California Air Resources Board, and Caltrans discussed state laws related to greenhouse gas emissions (GHG) and vehicle miles traveled (VMT), and how they apply to the 2021 Regional Plan. Staff will provide an overview on the modeling tools SANDAG uses to estimate travel behavior and associated GHG and VMT.

Action: Discussion/Possible Action

An overview of SANDAG modeling tools used to assess travel behavior and resulting greenhouse gas emissions and vehicle miles traveled will be presented.

Fiscal Impact:

None.

Schedule/Scope Impact:

None.

Key Considerations

SANDAG Modeling Tools

The SANDAG transportation model is an activity-based model (ABM) that simulates individual and household transportation decisions that compose a daily travel itinerary. People travel outside their home for activities such as work, school, shopping, healthcare, and recreation, and the ABM predicts where, when, and how this travel occurs. The result is a forecasting and alternatives analysis tool that can help gain insight into future travel behavior and demand.

SANDAG transportation modeling is extremely complex and uses a wide range of sources of data. These data sets include information on land use, how people travel, algorithms, mode choice, synthetic populations, demographic distribution, housing, jobs, and much more.

The SANDAG ABM is state of the practice for large Metropolitan Planning Organizations and has powerful analytic capabilities. The model has been tailored specifically to meet SANDAG analytical needs, considering current and future plans, and also taking into account unique sources of travel demand that exist in the San Diego region. Prior to use in the development of a Regional Plan the model is peer reviewed by national experts.

Staff will provide an overview of the tools used by SANDAG that help show how various projects, programs, and technologies impact travel behavior and the resulting VMT throughout the region. These tools help implement and support the use of VMT as one of the metrics for determining transportation impacts.

Information will include why we use an ABM, how the model works, how people travel in the region, and how different variables affect modeling results.

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