

SANDAG

Transportation Committee Agenda

Friday, October 15, 2021

9 a.m.

****Teleconference Meeting****

MEETING ANNOUNCEMENT AMIDST COVID-19 PANDEMIC:

The Transportation Committee meeting scheduled for Friday, October 15, 2021, will be conducted virtually in accordance with Governor Newsom's State of Emergency declaration regarding the COVID-19 outbreak, Government Code Section 54953(e), Assembly Bill 361 (Rivas 2021), and the Guidance for Gatherings issued by the California Department of Public Health. Committee members will primarily participate in the meeting virtually, while practicing social distancing, from individual remote locations.

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Public Comments: Persons who wish to address the members on an item to be considered at this meeting, or on non-agendized issues, may email comments to the Clerk at clerkoftheboard@sandag.org (please reference "Friday, October 15, 2021, Transportation Committee Meeting," in your subject line and identify the item number(s) to which your comments pertain). Comments received by 4 p.m. on Thursday, October 14, will be provided to members prior to the meeting. If you desire to provide live verbal comment during the meeting, please join the Zoom meeting by computer or phone and use the "Raise Hand" function to request to provide public comment. On a computer, the "Raise Hand" feature is on the Zoom toolbar. By phone, enter *9 to "Raise Hand" and *6 to unmute. Requests to provide live public comment must be made at the beginning of the relevant item, and no later than the end of any staff presentation on the item. The Clerk will call on members of the public who have timely requested to provide comment by name for those joining via a computer and by the last three digits of for those joining via telephone. All comments received prior to the close of the meeting will be made part of the meeting record. Please note that any available chat feature on the Zoom meeting platform should be used by panelists and attendees solely for procedural or other "housekeeping" matters as comments provided via the chat feature will not be retained as part of the meeting record. All comments to be provided for the record must be made via email or orally per the instructions above.

SANDAG

Welcome to SANDAG. Members of the public may speak to the Transportation Committee on any item at the time the Committee is considering the item. Public speakers are limited to three minutes or less per person. The Committee may only take action on any item appearing on the agenda.

In order to keep the public informed in an efficient manner and facilitate public participation, SANDAG also provides access to all agenda and meeting materials online at sandag.org/meetings. Additionally, interested persons can sign up for email notifications at sandag.org/subscribe.

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Vision Statement

Pursuing a brighter future for all.

Mission Statement

We are the regional agency that connects people, places, and innovative ideas by implementing solutions with our unique and diverse communities.

Our Commitment to Equity

We hold ourselves accountable to the communities we serve. We acknowledge we have much to learn and much to change; and we firmly uphold equity and inclusion for every person in the San Diego region. This includes historically underserved, systemically marginalized groups impacted by actions and inactions at all levels of our government and society.

We have an obligation to eliminate disparities and ensure that safe, healthy, accessible, and inclusive opportunities are available to everyone. In 2021, SANDAG will develop an equity action plan that will inform how we plan, prioritize, fund, and build projects and programs; frame how we work with our communities; define how we recruit and develop our employees; guide our efforts to conduct unbiased research and interpret data; and set expectations for companies and stakeholders that work with us.

We are committed to creating a San Diego region where every person who visits, works, and lives can thrive.

Transportation Committee

Friday, October 15, 2021

Item No.		Action
1.	<p>Public Comments/Communications/Member Comments</p> <p>Public comments under this agenda item will be limited to five public speakers. 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. Public speakers are limited to three minutes or less per person. Committee members also may provide information and announcements under this agenda item. If the number of public comments under this agenda item exceeds five, additional public comments will be taken at the end of the agenda. Subjects of previous agenda items may not again be addressed under public comment.</p>	
2.	<p>Chief Executive Officer's Report <i>Hasan Ikhata, SANDAG</i></p> <p>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.</p>	Discussion
Consent		
+3.	<p>Approval of Meeting Minutes</p> <p>+3A. September 17, 2021, Joint Transportation, Regional Planning, and Borders Committees Meeting Minutes</p> <p>+3B. October 1, 2021, Meeting Minutes</p>	Approve
+4.	<p>FY 2021 Transportation Development Act Claim Amendments <i>Ariana zur Nieden, SANDAG</i></p> <p>The Transportation Committee is asked to adopt Resolution No. 2022-07, in substantially the same form as attached, approving the FY 2021 Transportation Development Act amendment for the North County Transit District.</p>	Adopt
Reports		
+5.	<p>North Coast Corridor Program: Status Update <i>Mohamad Khatib, Caltrans</i></p> <p>An update on the North Coast Corridor program will be presented.</p>	Information

- | | | |
|-----|--|-------------|
| +6. | <p>TransNet Environmental Mitigation Program: FY 2022 Annual Funding
 <i>Kim Smith, SANDAG</i></p> <p>The Transportation Committee is asked to recommend that the Board of Directors approve the allocation of \$4 million in funding for FY 2022 for regional management and monitoring.</p> | Recommend |
| +7. | <p>Intelligent Transportation Systems and the Next Operating System
 <i>Alex Estrella and Sanjiv Nanda, SANDAG</i></p> <p>SANDAG staff will provide an overview of Intelligent Transportation System activities that are advancing the implementation of the Next Operation System.</p> | Discussion |
| 8. | <p>Upcoming Meetings</p> <p>The next meeting of the Transportation Committee is scheduled for Friday, November 12, 2021, at 9 a.m.</p> | Information |
| 9. | <p>Adjournment</p> | |

+ next to an agenda item indicates an attachment

October 15, 2021

September 17, 2021, Joint Meeting of the Transportation, Regional Planning, and Borders Committees Meeting Minutes

Chair Nora Vargas (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 September 17, 2021, meeting.

1. Public Comments/Communications/ Member Comments

Dr. Tim Bilash, member of the public, inquired about SANDAG Committees related to infrastructure and water quality.

Ann Fox, Caltrans, provided an update on Caltrans programs and projects.

2. Chief Executive Officer's Report (Discussion)

Chief Executive Officer Hasan Ikhata provided an update on key programs, projects, and agency initiatives.

Reports

3. Overview of the Draft Environmental Impact Report for San Diego Forward: The Regional Plan and its Sustainable Communities Strategy (Information)

Senior Regional Planner Keith Greer presented an overview on the draft Environmental Impact Report for San Diego Forward: The 2021 Regional Plan.

Action: Information only.

4. *TransNet* Environmental Mitigation Program: Land Management Grant Program Call for Projects for Tenth Cycle of Grant Funding (Recommend)

Senior Regional Planner Kim Smith and Regional Planner Courtney Pesce presented the item.

Action: Upon a motion by Vice Chair Campillo, and a second by Commissioner Bonelli, the Regional Planning and Transportation Committees recommended that the Board of Directors approve the eligibility, submittal, and evaluation criteria for the next call for projects of the *TransNet* Environmental Mitigation Program Land Management Grants Program.

Yes: Chair Vargas, Vice Chair Campillo, Councilmember Mendoza, Councilmember Montgomery Steppe, Councilmember Zito, Mayor McNamara, Councilmember Edson, Commissioner Bonelli, and Councilmember Sandke.

No: None.

Abstain: None.

Absent: San Diego Regional Airport Authority.

5. Regional Bikeway Program: Program Status, Program Future, and Potential Budget Amendments (Recommend)

Senior Regional Planner Chris Kluth presented the item.

Andy Hanshaw, San Diego Bike Coalition, spoke in support of a funding for a complete bike network.

Randy Torres Van-Vleck, City Heights CDC, spoke in support of the staff recommendation.

Nevo Magnezi, member of the public, spoke in support of the staff recommendation.

Jesse O'Sullivan, member of the public, spoke in support of the staff recommendation.

Noah Harris, Climate Action Campaign, spoke in support of the staff recommendation.

Nicole Burgess, member of the public, spoke in support of the staff recommendation.

Action: Upon a motion by Vice Chair Campillo, and a second by Councilmember Edson, The Transportation Committee recommended the Board of Directors:

- 1) accept \$12.057 million of Active Transportation Program Cycle 5 (ATP) grant funds for Inland Rail Trail Phase 4 (CIP No. 1223095), and authorize the Chief Executive Officer to execute a baseline agreement with the state.
- 2) accept \$4.317 million for Orange Avenue Bikeway (CIP No. 1223087) of Active Transportation Program Cycle 5 (ATP) grant funds.
- 3) approve an amendment to the FY 2022 Program Budget, adding \$18.6 million to Regional Bikeway projects in substantially the same form as show in Attachment 4.

Yes: Chair Vargas, Vice Chair Campillo, Councilmember Mendoza, Councilmember Montgomery Steppe, Councilmember Zito, Mayor McNamara, Councilmember Edson, Commissioner Bonelli, and Councilmember Sandke.

No: None.

Abstain: None.

Absent: San Diego Regional Airport Authority.

6. SANDAG Clean Transportation Program Update (Information)

Senior Regional Planner Susan Freedman and Associate Regional Planner Jeff Hoyos presented a status report on clean transportation programs that support the Regional Plan and state directives to transition to zero emission transportation.

Nicole Burgess, member of the public, spoke in support of active transportation.

Carolina, Environmental Health Coalition, spoke in support of transit improvements and in opposition to hydrogen fuel use.

Dr. Bilash spoke regarding commuter congestion in the North and East parts of the county and encouraged the Committee to consider electric vehicle infrastructure in those areas.

Nevo Magnezi encouraged the Committee to support electric bicycle use in addition to electric cars.

Action: Information only.

7. Upcoming Meetings (Information)

The next meeting of the Transportation Committee is scheduled for Friday, October 1, 2021, at 9 a.m.

The next meeting of the Regional Planning Committee is scheduled for Friday, October 1, 2021, at 12:30 p.m.

The next meeting of the Borders Committee is scheduled for Friday, October 22, 2021, at 12:30 p.m.

8. Adjournment

Chair Vargas adjourned the meeting at 11:50 a.m.

Confirmed Attendance at SANDAG Transportation Committee Meeting

September 17, 2021

Jurisdiction	Name	Member/ Alternate	Attend Virtually
North County Inland	Mayor Paul McNamara	Member	Yes
	Mayor Judy Ritter	Alternate	Yes
South County	Councilmember Bill Sandke	Member	Yes
	Mayor Mary Salas	Alternate	Yes
City of San Diego	Vice Chair Raul Campillo	Member	Yes
	Councilmember Vivian Moreno	Alternate	Yes
County of San Diego	Chair Nora Vargas	Member	Yes
	Supervisor Terra Lawson-Remer	Alternate	No
	Supervisor Joel Anderson	Alternate	Yes
East County	Councilmember Jennifer Mendoza	Member	Yes
	Mayor Bill Wells	Alternate	No
North County Coastal	Councilmember David Zito	Member	Yes
	Councilmember Joe Mosca	Alternate	Yes
Metropolitan Transit System	Councilmember Monica Montgomery Steppe	Member	Yes
	Councilmember Paloma Aguirre	Alternate	No
North County Transit District	Councilmember Jewel Edson	Member	
	Mayor Pro Tem Sharon Jenkins	Alternate	Yes
	Councilmember Corinna Contreras	Alternate	Yes
San Diego County Regional Airport Authority	Gil Cabrera	Member	Yes
	Bob Lloyd	Alternate	Yes
Port of San Diego	Commissioner Garry Bonelli	Member	Yes
	Commissioner Sandy Naranjo	Alternate	No
Advisory Members			
Caltrans	Gustavo Dallarda	Member	No
	Ann Fox	Alternate	Yes
Southern California Tribal Chairmen's Association	Erica Pinto	Member	Yes
	James Hill	Member	No
Other Attendees	Matt Tucker	NCTD	Yes
	Sharon Cooney	MTS	Yes

October 15, 2021

October 1, 2021, Meeting Minutes

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

1. Public Comments/Communications/ Member Comments

Mike Bullock, member of the public, spoke regarding the Draft EIR and climate stabilization in the RTP.

Dr. Tim Bilash, member of the public, urged the members to expedite project completion.

Nahomi Sanchez, local high school student, spoke regarding the need for increased bus frequency and safety concerns for students who rely on public transit.

Alicia Sanchez, member of the public, spoke regarding the need for increased bus frequency along Route 99.

Action: **Approve**

The Transportation Committee is asked to approve the minutes from its October 1, 2021, meeting.

2. Chief Executive Officer's Report

Chief Executive Officer Hasan Ikhata provided an update on key programs, projects, and agency initiatives.

Mike Bullock spoke regarding Border issues and increased automation.

Consent

3. Approval of Meeting Minutes (Approve)

The Transportation Committee was asked to review and approve the minutes from its July 16, 2021, meeting.

There were no public comments on this item.

4. Specialized Transportation Grant Program: Addendum to the 2020 Program Management Plan (Adopt)

The Transportation Committee was asked to adopt the proposed addendum to the 2020 Program Management Plan.

There were no public comments on this item.

5. Quarterly Status Update of Grant Programs (Approve)

The Transportation Committee is asked to approve a seven-month schedule extension for the City of El Cajon's Active Transportation Plan Active Transportation Grant Program project.

There were no public comments on this item.

Action: Upon a motion by Commissioner Garry Bonelli (Port of San Diego), and a second by Councilmember David Zito (North County Coastal), the Transportation Committee voted to approve Consent Item Nos 3 through 5.

The motion passed.

Yes: Chair Vargas, Vice Chair Raul Campillo (City of San Diego), Bob Lloyd (San Diego County Regional Airport Authority), Councilmember Jennifer Mendoza (East County), Councilmember Paloma Aguirre (Metropolitan Transit System), Councilmember Zito, Mayor Paul McNamara (North County Inland), Councilmember Jewel Edson (North County Transit District), Commissioner Bonelli, and Councilmember Bill Sandke (South County).

No: None.

Abstain: None.

Absent: None.

Reports

6. 2021 Regional Plan Early Action Transit Pilot (Recommend)

Senior Regional Planner Brian Lane presented the item.

Maritza Garcia, member of the public, spoke in support of the Pilot project.

Craig Jones, Alliance for Regional Solutions and Social Equity Working Group member, spoke in support of the Pilot project.

Bee Mittermiller, SD 350 and Social Equity Working Group member, spoke in support of the Pilot project.

Goyo Ortiz, Casa Familiar, spoke in support of the Pilot project.

Mike Bullock spoke regarding climate stabilization and support for the Pilot project.

Delia Contreras, member of the public, spoke in support of the Pilot project.

Brenda Garcia Millan, member of the public, spoke in support of the Pilot project.

Noah Harris, Climate Action Campaign, spoke in support of the Pilot project.

Keara O'Laughlin, Center on Policy Initiatives, spoke in support of the Pilot project.

Toshi Ishihara, member of the public, spoke in support of the Pilot project.

Denisse Lopez, member of the public, spoke in support of the Pilot project.

Ariana Federico, Mid-City CAN, spoke in support of the Pilot project.

Cindy Lin, Business for Good, spoke in support of the Pilot project.

Carolina Martinez, Environmental Health Coalition, spoke in support of the Pilot project.

Randy Torres Van Vleck, member of the public, spoke in support of the Pilot project.

Belen Hernandez, member of the public, spoke in support of the Pilot project.

Maria Cortez, member of the public, spoke in support of the Pilot project.

Action: Upon a motion by Chair Vargas, and a second by Vice Chair Campillo, the Transportation Committee recommended that the Board of Directors approve an amendment to the FY 2022 Program Budget to:

- 1) create new Overall Work Program Project No. 3505000 for the Early Action Transit Pilot project; and
- 2) program \$2.13 million of Congestion Mitigation and Air Quality Improvement funds to fund the project.

Chair Vargas also directed staff return to the Transportation Committee with ideas for ways to improve first and last mile options along the Blue and Orange Trolley Lines.

The motion passed.

Yes: Chair Vargas, Vice Chair Campillo, Bob Lloyd, Councilmember Mendoza, Councilmember Aguirre, Councilmember Zito, Mayor McNamara, Councilmember Edson, and Commissioner Bonelli.

No: None.

Abstain: None.

Absent: South County.

7. Upcoming Meetings

The next Transportation Committee meeting is scheduled for Friday, October 15, 2021, at 9 a.m.

8. Adjournment

Chair Vargas adjourned the meeting at 10:51 a.m.

Confirmed Attendance at SANDAG Transportation Committee Meeting

October 1, 2021

Jurisdiction	Name	Member/ Alternate	Attend Virtually
North County Inland	Mayor Paul McNamara	Member	Yes
	Mayor Judy Ritter	Alternate	Yes
South County	Councilmember Bill Sandke	Member	Yes
	Mayor Mary Salas	Alternate	No
City of San Diego	Vice Chair Raul Campillo	Member	Yes
	Councilmember Vivian Moreno	Alternate	No
County of San Diego	Chair Nora Vargas	Member	Yes
	Supervisor Terra Lawson-Remer	Alternate	No
	Supervisor Joel Anderson	Alternate	Yes
East County	Councilmember Jennifer Mendoza	Member	Yes
	Mayor Bill Wells	Alternate	No
North County Coastal	Councilmember David Zito	Member	Yes
	Councilmember Joe Mosca	Alternate	Yes
Metropolitan Transit System	Councilmember Monica Montgomery Steppe	Member	No
	Councilmember Paloma Aguirre	Alternate	Yes
North County Transit District	Councilmember Jewel Edson	Member	Yes
	Mayor Pro Tem Sharon Jenkins	Alternate	No
	Councilmember Corinna Contreras	Alternate	No
San Diego County Regional Airport Authority	Gil Cabrera	Member	No
	Bob Lloyd	Alternate	Yes
Port of San Diego	Commissioner Garry Bonelli	Member	Yes
	Commissioner Sandy Naranjo	Alternate	No
Advisory Members			
Caltrans	Gustavo Dallarda	Member	Yes
	Ann Fox	Alternate	Yes
Southern California Tribal Chairmen's Association	Erica Pinto	Member	Yes
	James Hill	Member	No
Other Attendees	Matt Tucker	NCTD	Yes
	Sharon Cooney	MTS	Yes

October 15, 2021

FY 2021 Transportation Development Act Claim Amendments

Overview

Each year the Board of Directors approves the annual claims for the Transportation Development Act (TDA) program. Per [SANDAG Board Policy No. 001: Allocation of Responsibilities](#), the Transportation Committee is delegated the authority to approve TDA claim amendments. North County Transit District (NCTD) anticipates actual FY 2021 expenses for paratransit services will be lower than previously budgeted and is submitting an FY 2021 Article 4 claim amendment (Attachment 1).

Key Considerations

The TDA program provides transit funding for transportation planning and mass transportation purposes. TDA funds come from a quarter of a percent of state sales tax assessed in the region.

In [February 2020](#) (Agenda Item No. 16), the Board approved the FY 2021 funding estimates for TDA. Given anticipated COVID-19 impacts on the San Diego regional economy, the Board approved revised FY 2021 estimates at its [May 8, 2020](#) (Agenda Item No. 10), meeting. On [February 26, 2021](#), (Agenda Item No. 16), the Board approved a second revised estimate for the FY 2021 TDA apportionment based on better than projected sales tax collections for the first six months of FY 2021. An allocation revision is required when estimates are revised and when an operator wishes to use the funds for a purpose other than the one for which they were allocated, for example, use of operating funds to support a capital project. Claim amendments require approval by the transit agency board and then approval by SANDAG. The Board approved the original FY 2021 NCTD claim on [June 26, 2020](#) (Agenda Item No. 7). A revised NCTD FY 2021 claim also was approved consistent with the above February 2021 Board action on [March 19, 2021](#) (Agenda Item No. 4).

NCTD is currently in the process of closing its FY 2021 financials and anticipates that actual expenses for paratransit services will be lower than originally budgeted. Consistent with the above requirements, NCTD has submitted another FY 2021 TDA claim amendment (Attachment 1) for Transportation Committee adoption. The total NCTD claim amount remains unchanged. Attachment 2 includes the required resolution for the FY 2021 claim amendment.

Next Steps

Upon Transportation Committee approval, staff will submit the revised claim to the County Auditor to disburse monies in accordance with the approved allocation instructions.

Susan Huntington, Financial Planning and Budgeting Director

Key Staff Contact: Ariana zur Nieden, (619) 699-6961, ariana.zurnieden@sandag.org

- Attachments:
1. NCTD FY 2021 Article 4 Amended TDA Claim Form
 2. Resolution Approving the Revision to FY 2021 TDA Funds

Action: **Adopt**

The Transportation Committee is asked to adopt Resolution No. 2022-07, in substantially the same form as attached, approving the FY 2021 Transportation Development Act amendment for the North County Transit District.

Fiscal Impact:

None

Schedule/Scope Impact:

TDA funding may be used for various planning, programming, and administrative related expenses; funding of bike and pedestrian facilities; and support of community transit services. In addition, the County Auditor receives an allocation based on estimates of its costs to administer the TDA program. The remaining apportionment is available to be claimed by NCTD and MTS.



810 Mission Avenue
Oceanside, CA 92054
(760) 966-6500
(760) 967-2001 (fax)
GoNCTD.com

August 26, 2021

Ms. Julie Wiley
Director of Contracts and Grants
San Diego Association of Governments
401 B. Street, Suite 800
San Diego, CA 92101-4231
Sent Via Electronic Mail: julie.wiley@sandag.org

Re: FY2021 - Article 4 - Amended Annual Transportation Development Act Claim Form

Dear Ms. Wiley:

Under the North County Transit District's (NCTD) Board Policy No. 19, which establishes delegation of authority from the NCTD's Board of Directors (Board) to the Executive Director, the Executive Director is authorized to execute all documents required by any local, state, or federal agency that provides operating or capital funds for NCTD use, including Transportation Development Act (TDA) claims.

On April 28, 2020, NCTD filed its FY2021 Article 4 Annual TDA Claim Form, which allocated \$36,132,857 to support non-ADA operations and \$4,509,048 to support ADA operations (total claim of \$40,641,905).

Subsequently, at the May 8, 2020 San Diego Association of Governments (SANDAG) Board meeting under Agenda Item 10, SANDAG staff presented revised estimates for TDA funds given the anticipated COVID-19 impacts on the San Diego regional economy. The revised estimates reflected a reduction in funding for NCTD in the amount of \$4,817,145 for Article 4 funds and NCTD filed an amended FY2021 Article 4 Annual TDA Claim Form, which allocated \$31,315,712 to support non-ADA operations and \$4,509,048 to support ADA operations (total claim of \$35,824,760).

In December 2020, SANDAG revised the forecast for sales tax collections as data from the first six (6) months of FY2021 became available. The negative impact of COVID-19 on sales taxes was lower than previously projected. On February 26, 2021, the SANDAG Board of Directors approved the revised FY2021 TDA apportionments, which increased NCTD's allocation for Article 4 funds in the amount of \$2,322,901. Due to the revised estimates, NCTD filed a second amended FY2021 Article 4 Annual TDA Claim Form that allocated \$20,538,613 to support non-ADA operations, \$3,009,048 to support ADA operations, and \$14,600,000 for capital projects (total claim of \$38,147,661).

NCTD is in the process of closing its FY2021 financial results and anticipates that actual expenses for paratransit services will be lower than budgeted. Therefore, NCTD is hereby submitting a third amended FY2021 Article 4 Annual TDA Claim Form that allocates \$20,538,613 to support non-ADA operations (unchanged), \$2,559,048 to support ADA operations (reduction of \$450,000), and \$15,050,000 for capital projects (increase of \$450,000). The total claim remains unchanged at \$38,147,661.

If you have any questions or need additional information, please contact Ms. Eun Park-Lynch, Chief Financial Officer, at (760) 967-2858.

Sincerely,



Matthew O. Tucker
Executive Director

Attachment No. 1: FY2021 Amended Article 4 Annual TDA Claim Form

cc: Ariana zur Nieden, Senior TransNet Program Manager, SANDAG
Sue Alpert, Senior Financial Programming Analyst, SANDAG
Eun Park-Lynch, Chief Financial Officer, NCTD
Pete Kovacevic, Accounting Manager - Projects and Grants, NCTD
Ricardo Rodriguez, Senior Accountant - Grants, NCTD

AMENDED ANNUAL TDA CLAIM FORM

FY 2021

A. CLAIMANT: North County Transit District

- B. TYPE OF CLAIM: (check one)
- () Article 3 - Bicycle and Pedestrian Facilities (99234)
 - (X) Article 4 - Support Public Transportation Systems (99260)
 - () Article 4.5 - Community Transportation Services (99275)
 - () Article 8 - Multimodal Transportation Terminals (99400.5)
 - () Article 8 - Express Bus Services/Vanpool Services (99400.6)
 - () Article 8 - Local Street and Road Projects (99400)
 - () Article 8 - Commuter Ferry Service (99400.7)

<u>C. AMOUNT OF CLAIM</u>	<u>Previous Claim</u>	<u>Amendment</u>	<u>Revised Claim</u>
Operations (Non-ADA)	\$20,538,613		\$20,538,613
Operations (ADA)	\$3,009,048	(\$450,000)	\$2,559,048
Capital	\$14,600,000	\$450,000	\$15,050,000
Debt Service			\$0
Planning			\$0
Administration			\$0
TOTAL:	\$38,147,661	\$0	\$38,147,661

D. CONDITIONS OF APPROVAL:
 It is understood by this Claimant that payment of the claim is subject to approval by SANDAG and to such monies being on hand and available for distribution, and to the provision that such monies and the interest earned on such monies subsequent to allocation will be used only for the purposes for which the claim is approved and in accordance with the terms of the allocation instructions.

E. AUTHORIZED REPRESENTATIVE/CONTACT

Matthew O. Tucker
 (Signature)

Matthew O. Tucker
 (Print of type name)

Executive Director
 (Title)

810 Mission Avenue, Oceanside, CA 92054
 (Address)

760-967-2869
 (Phone)

F. PAYMENT RECIPIENT

North County Transit District
 (Claimant)

810 Mission Avenue
 (Mailing Address)

Oceanside, CA 92054
 (City and zip code)

Eun Park-Lynch
 (Name)

Chief Financial Officer
 (Title)

August 25, 2021
 (Date Signed)

- SANDAG USE ONLY:
1. Claim number _____
 2. Date Approved _____
 3. Resolution No. _____
 4. Amount Approved for Payment _____
 5. Amount approved for Reserve _____
- If Required:
6. Date Approved by MTDB _____
 7. MTDB Resolution Number _____



401 B Street, Suite 800
San Diego, CA 92101
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sandag.org

Resolution No. 2022-07

Resolution Approving the Revision to FY 2021 Transportation Development Act Funds Article 4 Fixed Route General Public Transit Service

WHEREAS, the Transportation Development Act (TDA) claimants listed below have submitted claims for FY 2021 TDA funds as listed below pursuant to Chapter 4, Article 4, of the Public Utilities Code (PUC); and

WHEREAS, pursuant to Section 29532 of the Government Code (GC), the San Diego Association of Governments (SANDAG) has analyzed the revised claims and determined that the claims conform substantially to the provisions of the TDA of 1971, as amended; and

WHEREAS, pursuant to PUC Section 99244, SANDAG is required to annually identify, analyze, and recommend potential productivity improvements for the transit operators; and

WHEREAS, SANDAG finds these revised claims for FY 2021 to be in conformance with the Regional Transportation Plan; NOW THEREFORE

BE IT RESOLVED by the Transportation Committee as follows:

1. That the Transportation Committee, pursuant to PUC Section 99244, finds that the claimants listed below have made a reasonable effort to implement the productivity improvement recommendations for FY 2020; and
2. That the Transportation Committee approved the FY 2020 Productivity Improvement Goals set forth in Agenda Item No. 7 at its June 12, 2020, meeting; and
3. That the Transportation Committee, pursuant to GC 29532, does hereby approve the revisions of TDA funds to the following claimants for purposes listed below:

Claim No.	Claimant	Original Allocation	Adjustment +(-)	Revised Allocation
21031000	Metropolitan Transit System (MTS)			
	Operating (fixed route)	\$66,725,577	-\$0-	\$66,725,577
	Operating (ADA)	\$0	-\$0-	\$0
	Capital	<u>\$25,995,150</u>	<u>-\$0-</u>	<u>\$25,995,150</u>
	Total	\$92,720,727	\$0	\$92,720,727
21041000	North County Transit District (NCTD)			
	Operating (fixed route)	\$20,538,613	-\$0-	\$20,538,613
	Operating (ADA)	\$3,009,048	(\$450,000)	\$2,559,048
	Capital	<u>\$14,600,000</u>	<u>\$450,000</u>	<u>\$15,050,000</u>
	Total	\$38,147,661	\$0	\$38,147,661
	SANDAG			
21031004	Admin/Planning Transfer from MTS	\$1,920,210	-\$0-	\$1,920,210
21031004	Capital Transfer from MTS	\$478,688	-\$0-	\$478,688
21041002	Capital Transfer from NCTD	-\$0-	-\$0-	-\$0-
21041002	Admin/Planning Transfer from NCTD	<u>\$650,000</u>	<u>-\$0-</u>	<u>\$650,000</u>
	Total	\$3,048,898	\$0	\$3,048,898

4. That the Transportation Committee does hereby authorize the Chief Executive Officer to prepare and transmit allocation instructions and payment schedules to the San Diego County Auditor as are necessary and legal for payment of these claims.

PASSED AND ADOPTED this 15th day of October 2021.

Attest:

Chair

Secretary

Member Agencies: Cities of Carlsbad, Chula Vista, Coronado, Del Mar, El Cajon, Encinitas, Escondido, Imperial Beach, La Mesa, Lemon Grove, National City, Oceanside, Poway, San Diego, San Marcos, Santee, Solana Beach, Vista, and County of San Diego.

Advisory Members: California Department of Transportation, Metropolitan Transit System, North County Transit District, Imperial County, U.S. Department of Defense, Port of San Diego, San Diego County Water Authority, Southern California Tribal Chairmen's Association, and Mexico.

October 15, 2021

North Coast Corridor Program: Status Update

Overview

The North Coast Corridor (NCC) program is a comprehensive set of transportation, environmental, and coastal access projects to reduce congestion, improve the quality of life for residents, create a stronger local and regional economy for the future, and enhance the coastal environment. (Attachment 1).

Projects are being built using the Construction Manager/General Contractor (CM/GC) delivery method, which is a best value construction procurement method. The CM/GC contractor is a joint venture of Flatiron, Skanska, and Stacy Witbeck contractors. The project budget for construction currently is \$869 million and includes federal, state, and *TransNet* funds.

This item provides an update on the status of project progress, schedule, cost, and risk.

Action: **Information**

An update on the North Coast Corridor program will be presented.

Fiscal Impact:

The project budget for construction of the North Coast Corridor (NCC) program currently is \$869 million and includes federal, state, and *TransNet* funds.

Schedule/Scope Impact:

The first phase of construction of the NCC program, known as Build NCC, is on schedule and within budget. The HOV Lanes are on schedule to be completed by December 2022.

Key Considerations

The first phase of construction of the NCC program, known as Build NCC, will extend through the cities of Solana Beach, Encinitas, and Carlsbad. Construction began in late 2016 with High Occupancy Vehicle (HOV) lanes to be completed in late 2022 and remaining Corridor improvements completed by the end of 2023. The scope of Build NCC includes the extension of the HOV Lanes from Manchester Avenue to State Route 78 (SR 78), replacement of the San Elijo Lagoon highway and rail bridges, restoration of the San Elijo Lagoon, and bicycle and pedestrian improvements.

The project continues to be on schedule and within budget. Major accomplishments in the last three months include:

- Construction of the San Elijo highway bridge deck was completed and initiated the construction of the suspended pedestrian bridge.
- Completed underground infrastructure for the Manchester to Palomar Airport Road outside widening with significant progress in earthwork and concrete paving for the HOV lanes.
- Continue soundwall construction in the cities of Encinitas and Carlsbad.
- Started construction on the last 4 miles of HOV lane extension from Palomar Airport Road in Carlsbad to SR 78 in Oceanside
- The San Elijo Lagoon Restoration Project continues with plant establishment. Phased opening of trail network.

Additional detailed information can be found in Attachment 2.

Next Steps

Next steps include completion of the San Elijo Lagoon suspended pedestrian bridge deck; completion of the outside freeway work for the HOV lanes; continuing Manchester street improvements; starting multi-use facility improvements; continuing Lagoon plant establishment; and starting vegetation clearing in the median of the HOV lanes extension from Palomar Airport Road to SR 78, in Carlsbad. The HOV lanes will be open from Solana Beach to Palomar Airport Road in Carlsbad by end of 2021 and open to SR 78 by end of 2022.

Sharon Humphreys, Director of Mobility Management and Project Implementation

Key Staff Contact: Allan Kosup, (619) 688-3611, allan.kosup@dot.ca.gov

Attachments:

1. Build NCC Project Fact Sheet
2. Discussion Memo: North Coast Corridor Program Update October 2021

Build NCC

Brought to you by



SANDAG TransNet



About the Project

Build NCC is the first phase of construction of the Caltrans and SANDAG North Coast Corridor (NCC) Program in the cities of Solana Beach, Encinitas, and Carlsbad. Build NCC is part of a comprehensive set of transportation, environmental, and coastal access projects to improve the quality of life for residents, create a stronger local and regional economy for the future, and enhance the coastal environment.

Highway Improvements

Caltrans and SANDAG will extend two Carpool/High Occupancy Vehicle (HOV) Lanes on Interstate 5 (I-5) - one lane in each direction - between Lomas Santa Fe Drive in Solana Beach and State Route 78 (SR 78) in Oceanside. Additional highway improvements include replacing and lengthening the San Elijo Lagoon highway bridge to accommodate the Carpool/HOV Lanes and help improve lagoon tidal flow; building several sound walls on private property; constructing a new Park & Ride/Multi-Use Facility at the I-5/Manchester Avenue interchange; and adding auxiliary lanes on I-5. The Park & Ride/Multi-Use Facility will provide parking for carpools/vanpools, bike racks, electric vehicle charging stations, and recreational access to the San Elijo Lagoon and new North Coast Bike Trail.



Rail Improvements

Improving the Los Angeles-San Diego-San Luis Obispo (LOSSAN) coastal rail line is a central component of Build NCC. The completed San Elijo Lagoon Double Track project is part of a larger effort to double track the coastal rail line, allowing trains traveling in opposite directions to pass without slowing down or stopping and increasing overall efficiency and service reliability. Other completed project features include the new, lengthened concrete rail bridge above the San Elijo Lagoon. Additionally, at-grade rail crossing improvements were made at Chesterfield Drive in Encinitas.



Lagoon/Bike/Pedestrian

Build NCC includes the restoration of the San Elijo Lagoon. The restoration project is made possible through funding from the TransNet Environmental Mitigation Program (EMP), and in coordination with Nature Collective (formerly San Elijo Lagoon Conservancy) and lagoon resource agencies. Restoration efforts will enhance the lagoon's wetland and upland areas, improve tidal flushing, and includes beach sand replenishment.

Expanding access to coastal resources and habitats is a critical component of the NCC Program. Build NCC will include new east-west and north-south bicycle and pedestrian trails within and surrounding the San Elijo Lagoon.



See inside map for details.

Project Schedule and Funding



Construction Start Date
2017

Completion Date
2022

Funding Sources
Federal
State
SANDAG (TransNet)

Contractor
Flatiron-Skanska-Stacy and Witbeck (FSSW)

Total Project Cost
Approximately \$869 million (Highway \$669 million; Rail \$70 million; Environment \$130 million)

The budgeted amounts are per the Draft FY19 budget provided to the SANDAG Board of Directors.

For more information:

KeepSanDiegoMoving.com/BuildNCC

Construction Hotline: (844) NCC-0050

Mohamad Khatib, Project Manager
Caltrans District 11
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SANDAGregion | SDCaltrans

SANDAGregion | CaltransDistrict11

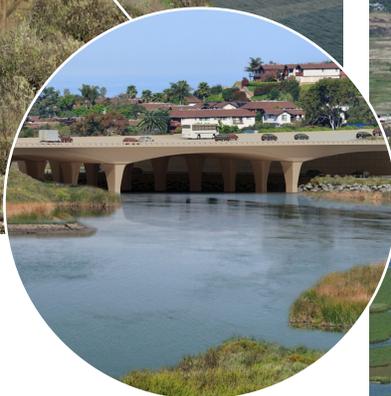
As of March 2021



Integrating Transportation and Environmental Enhancements



San Elijo Lagoon Highway Bridge



The San Elijo Lagoon highway bridge will be replaced to accommodate new Carpool/HOV Lanes along I-5. The new bridge will be lengthened to improve tidal flows, circulation, and the overall health of the lagoon. In addition, a suspended bike and pedestrian bridge will be built underneath the highway bridge to further increase north-south and east-west connectivity, and create more travel choices. The North Coast Bike Trail will be constructed to expand the regional bike and pedestrian network.

Preserving Community Character and Improving Coastal Access



Santa Fe Drive in Encinitas

Separated bike and pedestrian paths were constructed at the I-5 interchanges at Santa Fe Drive and Encinitas Boulevard in Encinitas. These enhancements help improve east-west connectivity and safety for people walking and biking to nearby schools, activity centers, and coastal resources. Community artwork was incorporated in coordination with the city.

To help reduce freeway noise for nearby residents, Caltrans will construct several sound walls on private property. In areas with views, transparent sound walls will be offered to residents.



San Elijo Lagoon

March 2021

Build NCC

New Carpool/HOV Lanes from Lomas Santa Fe Dr. to SR 78



A

San Elijo Lagoon Double Track



B

Coastal Rail Trail Bikepath



C

Encinitas Blvd./Santa Fe Dr. Bike/Pedestrian Enhancements



C

San Elijo Lagoon Bridge Replacements*



D

D

Sound Walls**



E

San Elijo Lagoon Restoration and Environmental Enhancements



F

* Bridge replacements will help improve tidal flow and overall lagoon health. Simulation depicts Highway Lagoon Bridge Replacement

** Not all proposed sound walls will be transparent (glass).

LEGEND

- New Carpool/HOV Lanes (one in each direction)
- New Auxiliary Lane
- Sound Walls
- Bike/Pedestrian Access Improvements
- Coastal Rail Line
- New Double Track
- Bike Route
- Class 1 Bike Path
- New Pedestrian Path
- Existing Path
- Lagoon Bridge Replacement
- Rail Crossing Improvements
- New Pedestrian Underpass
- Point of Interest



Discussion Memo: North Coast Corridor Program Update October 2021

The first phase of construction of the North Coast Corridor (NCC) program, known as Build NCC, will extend through the cities of Solana Beach, Encinitas, and Carlsbad (Attachment 1). Construction began in late 2016 with high-occupancy vehicle (HOV) lanes to be completed in late 2022 and remaining Build NCC improvements completed by the end of 2023.

Scope of Work

Highway Improvements

Caltrans will extend HOV lanes for 14 miles on Interstate 5 (I-5) from Lomas Santa Fe Drive in Solana Beach to State Route 78 (SR 78) in Oceanside. Additional highway improvements include replacing and lengthening the San Elijo highway bridge to accommodate the HOV lanes and help improve lagoon tidal flow; constructing sound walls on private property; building a new Park & Ride / multi-use facility at the I-5/Manchester Avenue interchange; and including auxiliary lanes. The multi-use facility will provide parking for carpools and vanpools, secure bike parking, make available electric vehicle charging stations, and offer recreational access to the San Elijo Lagoon and the new North Coast Bike Trail.

Rail Improvements

Improving the coastal rail line is a central component of Build NCC. The San Elijo Lagoon Double Track project is part of a larger plan to improve the coastal rail system by adding a second track. The addition of the second track will allow trains traveling in opposite directions to pass without slowing down or stopping, increasing the corridor's efficiency and reliability. Other project features include the replacement and lengthening of the rail bridge that spans over San Elijo Lagoon. Additionally, at-grade rail crossing improvements have been made at Chesterfield Drive in Encinitas. Finally, a pedestrian undercrossing was built on the south side of the lagoon to provide improved lagoon and coastal access.

Lagoon Restoration

Build NCC includes the restoration of the San Elijo Lagoon. The restoration project is being coordinated with Nature Collective and resource agencies. Restoration will enhance the lagoon's wetland and upland areas, improve tidal flushing, and facilitate beach sand replenishment. Improving coastal access is a critical component of the NCC program. Build NCC will include new east-west and north-south bicycle and pedestrian trails in and around the San Elijo Lagoon.

Active Transportation Improvements

Build NCC includes construction of 7 miles of the North Coast Bike Trail, a planned bike trail stretching approximately 27 miles between Gilman Drive in the City of San Diego and Harbor Drive in the City of Oceanside. Build NCC also includes segments of the Coastal Rail Trail (CRT), a planned continuous bike route approximately 44 miles long between the City of Oceanside and Santa Fe Depot in Downtown San Diego. The first 1.3-mile segment of the CRT in the City of Encinitas from Chesterfield Drive to Santa Fe Drive was completed under Build NCC.

Overall Capital Project Budget and Schedule

The construction capital and support budget for the projects currently in construction is \$869 million. Actual expenditure through August 2021 is \$505 million, or 68% of the capital budget.

Status of Work

Highway Improvements

The San Elijo Highway project, which includes the Santa Fe Drive and Encinitas Boulevard bicycle and pedestrian improvements, is 86% complete, with an anticipated completion date for the San Elijo highway bridge by April 2022. Traffic is utilizing the outer portion of the newly constructed San Elijo Lagoon highway bridge, the inner portion of the new bridge is substantially complete and significant progress made on the suspended pedestrian bridge with the recent bridge deck pour. Early outside landscape planting in the proximity of the San Elijo Lagoon highway bridge was completed 1.5 years ahead of schedule. The community improvements at Santa Fe Drive and Encinitas Boulevard are complete and open to public.

The 8-mile extension of the HOV Lanes project from Manchester Avenue to Palomar Airport Road, which includes sound walls on private property, culvert rehab, intelligent transportation systems, Manchester street improvements, multi-use facility and bike trails, is 67% complete and is expected to be completed by the end of 2022. The median widening was completed in the summer of 2020. For the outside widening, the underground infrastructure is in place with substantial completion in earthwork and significant progress in paving operations. The HOV lanes up to Palomar Airport Road are on track to open to traffic by end of 2022.

For the Manchester street improvements west of I-5, the Active Transportation widening is nearly complete and will accommodate bike lanes, a sidewalk in the westbound direction and multi-use trail in the eastbound direction. Manchester work east of I-5 consists of utility work and demobilizing the construction office and contractor's yard in preparation for the Manchester street widening and construction of the multi-use facility.

The last stretch of HOV Lanes from Palomar Airport Road to SR 78, which includes a sound wall on private property, shoulder repairs and Chestnut community enhancement, was awarded in September and broke ground in October. The second lift of programmed funds will be available in FY 2022/2023. The contractor will breakground in October to start work in the median and pilot temporary orange striping to increase construction zone awareness. The extension of the HOV lanes up to SR 78 is targeting a completion by end of 2022 with completion of community enhancements by end of 2023.

Rail Improvements

The San Elijo Lagoon Double Track project and the Chesterfield Drive improvements are complete and were open to traffic on May 2019.

Lagoon Restoration

The west and central basins continue to receive unrestricted tidal flows. Construction is complete and the Department, Contractor & Nature Collective are working collaboratively to phase the reopening of the trails. Pedestrian bridges opened to public in October 2020. Planting within all the basins is complete and the project is in Plant Establishment.

Coastal Rail Trail Construction

The CRT is complete and was opened to the public on May 2019.

October 15, 2021

TransNet Environmental Mitigation Program: FY 2022 Annual Funding

Overview

At its September 14, 2021, meeting, the Environmental Mitigation Program (EMP) Working Group recommended approval of the allocation of \$4 million in funding for FY 2022 for regional land management and biological monitoring.

Key Considerations

The *TransNet* Extension Ordinance and Expenditure Plan, approved by voters in 2004, includes the EMP, which provides funding to mitigate habitat impacts from regional and local transportation projects and provides funding for regional land management and biological monitoring.

Regional land management and biological monitoring activities follow the objectives and priorities identified in the [Management Strategic Plan¹ \(MSP\)](#) and are included in a two-year Work Plan. This Work Plan outlines overarching goals, area of emphasis, and key milestones for implementing the MSP over a two-year period. The FY 2021-2022 Work Plan was approved by the Board of Directors on October 23, 2020, and is provided as Attachment 1.

Each year, the Board budgets \$4 million toward implementation of activities identified in the Work Plan pursuant to a Memorandum of Agreement (MOA) between SANDAG and the state and federal agencies, which was adopted by the Board in February 2019, regarding implementation of the EMP. The funding recommendation for FY 2022 allocates the budgeted amount to various tasks and is provided as Attachment 2. The proposed funding levels are consistent with the adopted MOA.

Next Steps

If approved by the Board, the Work Plan would be implemented with the approved budget for FY 2022 and an annual status report in early 2022 on the progress of the EMP would be provided.

Coleen Clementson, Director of Land Use and Transportation Planning

Key Staff Contact: Kim Smith, (619) 699-6949, kim.smith@sandag.org

Attachments:

1. *TransNet* EMP; Regional Management and Monitoring FY 2021-2022 Work Plan
2. Recommended FY 2022 Funding Allocation for Habitat Conservation Fund (1200300)

Action: Recommend

The Transportation Committee is asked to recommend that the Board of Directors approve the allocation of \$4 million in funding for FY 2022 for regional management and monitoring.

Fiscal Impact:

The FY 2022 Budget includes \$4 million in funding to implement the *TransNet* EMP FY 2021-2022 Work Plan approved by the Board on October 23, 2020.

Schedule/Scope Impact:

This action would allow continuation of regional management and monitoring in FY 2022 under the provisions of the *TransNet* EMP.

¹ Full title of plan: *Management and Monitoring Strategic Plan for Conserved Lands in Western San Diego County: A Strategic Conservation Roadmap (2017)* prepared for SANDAG by the San Diego Management and Monitoring Program.

***TransNet* Environmental Mitigation Program:
Regional Management and Monitoring FY 2021–2022 Work Plan
Approved on October 23, 2020**

Introduction

The *TransNet* Extension Ordinance and Expenditure Plan, approved by the voters in November 2004, includes the Environmental Mitigation Program (EMP), which provides funding to mitigate habitat impacts from regional and local transportation projects, and provides funding for regional land management and biological monitoring. The EMP is a unique component of the *TransNet* Extension Ordinance in that it goes beyond traditional mitigation for transportation projects by including a funding allocation for habitat acquisition, management, and monitoring activities to help implement the regional habitat conservation plans. This funding allocation is tied to mitigation requirements and the environmental clearance approval process for projects outlined in the Regional Transportation Plan and to implement the Habitat and Open Space policy objectives developed as part of San Diego Forward: The Regional Plan.

Each year, the Board of Directors allocates \$4 million to implement regional land management and biological monitoring pursuant to a *TransNet* Memorandum of Agreement with state and federal agencies on the implementation of the EMP. In 2013, a technical document entitled *Management Strategic Plan (MSP) for Conserved Lands in Western San Diego County* was developed to increase the efficient use of both the *TransNet* funding as well as other outside local, state, and federal funds. This plan was updated in 2017 to include monitoring and management objectives for 2017–2021 and is in the process of further updating to include objectives for 2022–2026. The MSP has several elements dealing with species management, wildlife connectivity, wildfires, and regional monitoring that will promote the purpose of the *TransNet* EMP. The MSP is available at: sdmmp.com/portal.php.

The purpose of the MSP is to identify a roadmap to prioritize actions that are needed to ensure the persistence of key wildlife species, maintain ecosystem processes, and maintain healthy natural communities in an efficient and integrated manner across the region in the context of a changing ecosystem due to wildfires, habitat type conversion, and climate change.

The Independent Taxpayer Oversight Committee (ITOC) conducted an audit of the EMP in 2018 and recommended that the EMP develop metrics using the abundance of data to holistically understand the status and trend of the overall health of the Preserve System. The EMP Working Group and partners have been working since 2019 to develop these metrics using data collected from over the first ten years of the program and in conjunction with data that will be collected during the 2021-2022 workplan, described below.

Table 1, on page 13, of the FY 2021–2022 Work Plan, identifies the funding needs to implement these efforts in FY 2021.

FY 2021–2022 Strategic Goals and Areas of Emphasis

To guide the development of the annual allocation of regional management and monitoring funds, a set of strategic goals have been approved by the Board of Directors to implement the MSP. These strategic goals identify long-term areas of achievement that should remain relatively unchanged on an annual basis. Supporting these strategic goals are the areas of emphasis and achievement milestones, which will be updated each year to highlight particular areas of focus for the coming year and as a measure of success.

Strategic Goals

- 1. Promote key sensitive species** persistence and resiliency through management actions to prevent extirpation and extinction.
- 2. Promote native vegetation communities** persistence and resiliency through the development and implementation of strategies to maintain and increase habitat quality.
- 3. Improve wildlife movement** through the identification of critical linkage areas and implementation of strategies to enhance the physical and genetic connectivity of species across rural and urban landscapes.
- 4. Promote regional coordination** through the facilitation and coordination with existing land management efforts, development of best management practices, and leverage existing funding.

Areas of Emphasis and FY 2021–2022 Milestones

The highest priority for SANDAG during FY 2021–2022 is to develop metrics describing the state of the preserve that clearly communicate progress in managing the preserve system and are relevant and interesting to the general public, decision makers, and partners. The second highest priority is to build off prior work to continue with monitoring and management of species and their habitats, while reducing threats and increasing collaboration and use of best practices across the region.

1.0 Promote Key Sensitive Species.

1.1 Priority Rare and Endemic Plants Recovery

There are 68 rare plant species included in the most recent update of the MSP (2022–2026). The MSP identifies 46 species requiring species-specific monitoring and management actions as they may be entirely lost from San Diego County, have significant occurrences that could be lost, or may need management to ensure persistence. An additional 17 species are the focus of vegetation monitoring and management and 5 low priority species may benefit from management for other species and vegetation communities. During 2021–2022, there are 34 species with species-specific regional monitoring and/or management objectives and 12 species that will be included in vegetation monitoring (see Section 2.1, below).

Achievement Milestones FY 2021–2022

- Continue to work with contractor and land managers to coordinate and implement regional **rare plant “Inspect and Manage” (IMG)** monitoring for 15 species in 2021 and 13 species in 2022. IMG monitoring was initiated in 2014 to document status, habitat and threats for known occurrences of priority rare plant species. Work with land managers and contractor to conduct **baseline surveys** to find new populations for 4 MSP priority rare plants in 2021, and 4 in 2022.
- Analyze **rare plant monitoring data** collected in years 2014–2022. Provide recommendations for monitoring and management actions for land managers.
- Coordinate with Marine Corps Air Station Miramar on the results of their **willow monardella** demographic monitoring and hydrologic studies; develop assessments at current and historic locations and suitable habitat on Conserved Lands to address the effects of hydrologic modification on the species and the potential for expansion of occurrences; and use this information to design future surveys for this species.

- **Implement high-priority management actions** for 7 **rare plant species** included in the MSP Framework Rare Plant Management Plan and the MSP Seed Collection, Banking and Bulking Plan. For species not yet included in the plans, continue to implement management actions identified as priorities based on IMG data and conservation seed banking and management needs.
- Continue to work with San Diego Zoo Global’s Native Seed Bank and land managers to prioritize **rare plant seed collection** for conservation banking and for bulking to provide seed for management projects.

1.2 **Priority 1 Vertebrates Recovery**

The MSP covers 54 vertebrate species and identifies 31 high-priority species requiring species specific management as they could either be entirely lost within San Diego County, have significant occurrences that could be lost, or may need specific management to ensure persistence. Another 7 species are included as priorities for vegetation focused (VF) monitoring and management, and 16 lower priority species will benefit indirectly from management activities. Sixteen of these 54 rare vertebrate species have been prioritized for regionally supported FY 2021–2022 vertebrate recovery management. Eleven species have regional species-specific monitoring and/or management objectives and 5 species will be surveyed for during vegetation monitoring (see Section 2.1, below).

Achievement Milestones FY 2021–2022

Amphibians

- Continue coordinating and implementing regionwide **arroyo toad** surveys based on the regional monitoring strategy developed by U.S. Geological Survey (USGS). Collect additional genetic material for analysis. Finalize monitoring plan based on sampling design and protocol developed for 2020 regional surveys. Continue supporting land managers on the implementation of priority management actions.
- Prepare a regional **western spadefoot toad** monitoring plan with protocol and sampling design that can be conducted in conjunction with vernal pool and other wetlands monitoring. Prepare a management plan to enhance and create western spadefoot habitat. Refine model to inform development of management and monitoring areas for toads.
- Prepare a regional **coast newt** monitoring plan with protocol and sampling design that can be conducted in the limited riparian areas of the county where this species occurs.

Reptiles

- Continue to monitor and enhance occurrences of previously translocated **southwestern pond turtles** at Sycuan Peak Ecological Reserve (Sweetwater watershed), Rancho Jamul Ecological Reserve (Otay watershed), and Wheatley Preserve (San Dieguito River watershed). Identify, manage, and translocate southwestern pond turtles to an additional site in the San Diego River watershed to build the population to sustainable levels.

Birds

- Continue to support management of cactus nurseries, **coastal cactus wren** habitat restoration, and fire management to protect cactus wren habitat in North and South County.
- Update the 2015 **coastal cactus wren** habitat conservation and management plan with recommendations from the 5-year cactus wren reproduction, foraging, and habitat study and expand to include all occurrences on conserved lands in the MSPA.
- Prepare a **coastal cactus wren** regional monitoring plan with sampling design, protocols and monitoring frequency. Continue to conduct surveys and assess habitat conditions on Conserved Lands in western San Diego County.
- In 2021 and 2022, prepare **golden eagle** monitoring and management plans. Include recommendations from the five-year comprehensive golden eagle movement, foraging, nesting, and genetics study.
- Prepare **southwestern willow flycatcher** monitoring plan and continue surveys along the San Luis Rey River and additional watersheds with the potential to support the species. Develop and implement management recommendations from the five-year reproductive monitoring study.
- Continue to provide technical support to implement priority management actions for the **western burrowing owl** as identified in the management plan completed in 2017.
- Working with partners, participate in the statewide **tricolored blackbird** survey effort to document presence/absence, estimate numbers, and characterize habitat. Prepare a tricolored blackbird management plan in coordination with land managers and other partners to enhance habitat and determine other management needs.
- Survey for breeding **northern harriers** and document breeding status, habitat, and threat conditions. Work with partners to prepare a northern harrier management plan.
- Coordinate with land managers to survey for breeding **loggerhead shrikes** and document habitat characteristics and threats.
- Work with wildlife agencies, species experts, and land managers to support monitoring and management actions for **western snowy plover**, with particular focus on improving the quality of beach habitats used by wintering plovers.
- Support recovery actions for **light-footed Ridgway's rail**, including developing a monitoring plan, conducting a genetics study, continuing captive propagation efforts, and enhancing and restoring nesting habitat.

Mammals

- Support land managers in the implementation of priority management recommendations for roosts and foraging sites from the Bat Management Plan that includes specific measures for **Townsend's big-eared bat** and **pallid bat**.

1.3 Priority 1 Invertebrates Recovery

The updated MSP has identified nine rare invertebrate species that could be entirely lost within San Diego County. Another two species are included as priorities for vegetation focused management (see Section 2.1 below). During 2021 and 2022, there are monitoring and management objectives for all 11 invertebrate species.

Achievement Milestones FY 2021–2022

- Continue **Hermes copper butterfly** monitoring and habitat assessments to document status and assess habitats and threats. Continue implementing translocations and monitoring effectiveness and develop best management practices for captive collection of eggs. Implement high-priority management actions from the management plan. Work with partners to develop and implement a monitoring plan that will track long-term status, habitat, and threats to this species.
- Conduct **Harbison dun skipper** host plant, adult, larval and hibernation surveys and habitat assessments. Implement high-priority management actions from the management plan.
- Continue to support surveys for **Quino checkerspot butterfly** and mapping the host plant distribution to develop a metapopulation model guiding development of a monitoring plan and identifying management opportunities to increase connectivity and enhance populations. Prepare a Quino Habitat Checkerspot butterfly monitoring plan and a management plan and implement high-priority actions. Develop and include in MSP Seed Collection, Banking, and Bulking Plan a section for Quino checkerspot forbs, and host plants and implement to restore habitat. Support U.S. Fish and Wildlife Service (USFWS) efforts to captive rear larvae and translocate to reestablish and augment wild populations.
- Develop and begin implementing a **Thorne’s hairstreak** monitoring plan based upon previous monitoring efforts in 2009–2012. Coordinate with updating of Tecate cypress maps and mortality assessment.
- Support the wildlife agencies and partners in species recovery efforts for **Laguna Mountain skipper**. These include monitoring, collecting eggs from gravid females in the wild and lab, and establishing a translocated population in historic habitat on Laguna Mountain.
- Prepare a section for surveying **Crotch’s bumble bee** in the pollinator community monitoring plan. Implement surveys for this species in conjunction with pollinator community monitoring associated with coastal sage scrub, chaparral, and grassland vegetation monitoring.
- Provide technical support to land managers for implementation of vegetation and species monitoring and management for vernal pool invertebrate species, **San Diego fairy shrimp** and **Riverside fairy shrimp** (and western spadefoot toad where suitable conditions are present).

1.4 General Stressors and Threats Management

There are numerous existing and newly emerging threats in the San Diego region that need ongoing management for the long-term persistence of native species (see Vol 2 of MSP).

Achievement Milestones FY 2021–2022

- Provide technical support for the management of tern sites at Mission Bay Park to support successful breeding of **California least tern**. Work with wildlife agencies, land managers, and other partners to improve predator control, including identifying a place to temporarily house birds of prey removed from tern colonies.
- Provide technical support for the eradication of **feral pigs** in San Diego County.
- Implement high-priority management actions identified in the **Invasive Animal Strategic Plan**. Complete and implement an invasive animal database and early detection rapid response system.
- In collaboration with statewide efforts, continue to provide funding for **shothole borer-Fusarium complex** monitoring, management, and research and education to formulate and implement management actions. Include riparian bird community monitoring to document effects of shothole borer-Fusarium complex on breeding birds.
- Implement management actions based on the recommendations from the completed **Argentine ant** and **urban runoff** studies. Continue monitoring water flows and climatic data to inform the Aquatic Index of Biological Integrity. Prepare a comprehensive hydrology management plan.
- Provide technical assistance to **model habitat suitability for MSP species** under alternative future climate change scenarios. Conduct a spatially explicit **vulnerability assessment** of potential climate change impacts to Conserved Lands across the MSP area. Model response of animal occurrences to climate variability.

2.0 Promote Native Vegetation Communities.

2.1 Vegetation Community Monitoring and Recovery

Vegetation communities serve as habitat for priority plant and animal species and as surrogates for ecosystem health. Changes in the vegetation communities due to fires, invasive species, droughts, climate change, and other factors may be causing a landscape-level change to these communities.

Achievement Milestones FY 2021–2022

- Continue to develop and implement **regional vegetation monitoring** strategy to determine ecological integrity of coastal sage scrub, chaparral, and grassland in the San Diego region. Continue development and evaluation of the remote imagery and Lidar based **ecological integrity landscape model to detect change in shrub and invasive grass** cover over time. Complete and implement long-term monitoring plan for coastal sage scrub, chaparral, and grassland vegetation that includes surveying VF plant and animal species (11 rare plant species, Blainville's horned lizard, Bell's sparrow, grasshopper sparrow, San Diego black-tailed jackrabbit).

- Complete **ecological integrity landscape model** based on Lidar and remote imagery to identify levels of **tree mortality** over time for **riparian** and **oak woodlands**. Develop long-term oak woodland and riparian forest and scrub monitoring plan that includes sections for VF plant and animal species (two-striped garter snake, yellow-breasted chat) associated with these communities.
- Initiate development of a combined **salt marsh, foredune, beach, salt pan, and coastal strand vegetation monitoring plan** that includes sections for VF animal species (Coulter’s saltbush, southern tarplant, wandering skipper, Belding’s savannah sparrow). Prepare sections for surveying **tiger beetles** in this vegetation monitoring plan.
- Initiate development of a **grazing monitoring plan** and implement the study in collaboration with researchers, land managers and other partners to evaluate the use of grazing as a large-scale management tool. Assess effectiveness of grazing to reduce fire risk, control invasive non-native grasses and forbs and restore ecological integrity, and benefit MSP species in coastal sage scrub and grassland habitats.

2.2 Proactive Wildfire Planning and Management

Large wildfires in 2003 and 2007, plus more recent smaller wildfires, have severely impacted populations of key species identified as critical by the MSP and their habitats. Management action to reduce threats pre- and post-fire and during suppression need to be implemented.

Achievement Milestones FY 2021–2022

- Support preparation of a **Fire Ignition Reduction Plan** with specific recommendations to prevent wildfire ignitions affecting Conserved Lands in the MSP area.
- Develop a regional MSP **Resource Avoidance Areas Map** integrated into fire agencies’ Wildland Fire Decision Support Systems and preparation of Preserve Fire Management Plans for Conserved Lands.
- Support establishment of a **Wildland Fire Resource Advisor Program** for locally owned lands that integrates with federal and state programs.

2.3 Invasive Plant Species Management

Invasive plants pose a threat to existing native plants and increase the risk of wildfires by changing the natural ecosystem. In 2012, an Invasive Plant Strategic Plan was completed for managing invasive plant species in San Diego County.

Achievement Milestones FY 2021–2022

- Continue to work with the County of San Diego Department of Agriculture, Weights, and Measures to implement the Invasive Plant Strategic Plan Early Detection Rapid Response (EDRR) management for Level 1, 2, and 3 invasive plant species. Initiate work with invasive plant coordinator and contractor to implement regional management strategy for *Oncosiphon piluliferum* in priority areas, treatment of Level 3, 4 and 5 invasive plants at high-priority MSP species occurrences, retreatment of *Arundo donax*, and treatment of EDRR shrub and tree species that are difficult to treat.

2.4 Updated Vegetation Mapping

Vegetation mapping of the County is essential for tracking changes in vegetation cover on Conserved Lands through time. A vegetation classification system was developed, and a vegetation map was produced for western San Diego County in 2012, with further refinements in 2014.

Achievement Milestones FY 2021–2022

- Update regional vegetation mapping for the MSP Area using vegetation community classification established in the 2014 vegetation map.

2.5 Enforcement

Non-authorized use of the preserve system continues to cause impacts to MSP species and their habitats and increase the costs of habitat maintenance and restoration.

Achievement Milestones FY 2021–2022

- Support preserve managers and landowners in enforcement of unauthorized activities on open space lands. Work with local jurisdictions to evaluate and promote opportunities to work with local law enforcement staff similar to efforts completed in FY 2017–2018 with cities of San Diego and Carlsbad.

2.6 Preserve Level Management Plan Standardization

Integration of the MSP goals and objectives into preserve level management plans will provide better coordination between regional and preserve level data collection and MSP land managers management and monitoring efforts.

Achievement Milestones FY 2021–2022

- No milestones are included in the FY 2021–2022 Work Plan at this time.

2.7 Land Management Implementation (e.g., grants)

The EMP Land Management Grant Program has been an important source of funding for implementing management actions to benefit MSP species and their habitats in the San Diego region.

Achievement Milestones FY 2021–2022

- Develop a 10th cycle of land management grants, focusing on implementation of the MSP goals, leading to a request for proposals in FY 2021.

2.8 Emergency Land Management Fund

An Emergency Land Management Fund has been established for use in large-scale emergency situations impacting MSP species and their habitats and or which known management options are available.

Achievement Milestones FY 2021–2022

- Make \$400,000 Emergency Land Management Fund available if needed.

3.0 Improve Wildlife Movement.

3.1 Wildlife Corridor and Linkages Monitoring

Species need to move to maintain population size and genetic diversity. In a landscape fragmented by urban development and linear infrastructure, restrictions to movement could result in a risk of extinction or extirpation.

Achievement Milestones FY 2021–2022

- Work with land managers to implement management actions based on the results of studies that evaluated the genetic connectivity of **horned lizards** throughout the MSP.
- Continue developing a long-term monitoring plan for **mountain lions** in the San Diego region to evaluate population trends. Collaborate with Orange and Riverside counties to improve regional connectivity. Implement high-priority actions to improve mountain lion connectivity identified in the mountain lion linkage assessments for San Diego County. Test deterrent methods to reduce livestock losses in areas of the County with high depredation pressures.
- Work with partners to develop and implement a regionwide **camera monitoring strategy** for wildlife connectivity and linkage function. Develop a quantitative linkage monitoring plan.
- Continue the study begun in 2014 to determine the locations and movement of **American badgers** in western San Diego County, assess habitat and threats, and examine ways to improve badger connectivity and reduce mortality. Prepare a specific management plan with recommendations for badger habitat management and for connectivity enhancement within the Management Strategic Planning Area.
- Continue to support and work with partners to implement the existing **linkage improvement** recommendations from previous studies at prioritized locations in San Diego County.
- Support local efforts to implement the **State Route 94** and **SR 67** Wildlife Infrastructure Plans.
- In 2021, prepare a monitoring plan to survey **pollinator communities and assess ecological integrity** of pollinator functions in coastal sage scrub, chaparral, forblands, and grasslands across the MSPA.

4.0 Promote Regional Coordination.

4.1 – 4.5 San Diego Management and Monitoring Program

The San Diego Management and Monitoring Program (SDMMP.com) was established by SANDAG in 2008 to provide a regionally coordinated, scientific approach to management and biological monitoring of rare plant and animal species on Conserved Lands in San Diego County. The SDMMP is the first program of its kind to help bring cities, counties, wildlife agencies, military, consulting firms, education, and non-profit entities together to develop and implement regional land management and biological monitoring objectives across NCCP boundaries. The SDMMP is fully funded by SANDAG and is embedded with the San Diego Field Office of the USGS. There are currently five positions in the

SDMMP, which include the Program Administrator, Management and Monitoring Coordinator, Senior Ecologist, Geographic Information System (GIS) Manager, and Data Manager.

Achievement Milestone FY 2021–2022

- Fund the following positions as needed: SDMMP Program Administrator, Management and Monitoring Coordinator, Senior Ecologist, GIS Manager, and Data Manager.
- Implement the updated MSP and all incorporated strategic plan elements (Connectivity, Fire, Monitoring).
- Support the SDMMP and stakeholders in MSP implementation by creating and managing GIS viewers, maps and map layers, webpage content, data analysis, and databases.
- Collaborate with the military and other regional conservation planning programs to promote intraregional and interregional habitat conservation planning in Southern California.
- Provide a quantitative and qualitative assessment on the status of regional management and monitoring efforts.
- Hold regular meetings with stakeholders to collaborate on regional management and monitoring projects.
- Provide regional science support and data analysis of regional management and monitoring data.
- Update and manage the Conserved Lands Database.
- Refine the output products of the regional database, increase availability of data sets to preserve managers, and provide preformatted data reports to interested stakeholders.
- Incorporate all data from regional biological assessments into the regional master occurrence database for analysis.
- Work with SANDAG and partners to develop regional metrics to track the health of the preserve system and present to the public.

4.6 Conserved Lands Database Management

The SDMMP has assumed management of the Conserved Lands Database under GIS Support.

Achievement Milestone FY 2021–2022

- Continue to update the Conserved Lands Database as more lands are acquired.

4.7 Administrative & Science Support

Achievement Milestone FY 2021–2022

- Provide regional science, technical support and data analysis of regional management and monitoring data and reports. Work with outside entity to develop regional metrics to track health of the preserve system and present to the public.

TABLE 1 - Recommended FY 2022 Allocation for Habitat Conservation Fund

A	B	F	G	
#	Strategic Goal	FY 21 Allocation	Proposed FY 22 Allocation	Comments
1	Promote key sensitive species			
1.1	Rare and Endemic Plant Monitoring and Recovery	\$370,000	\$569,082	Continue to facilitate monitoring by local jurisdictions and contract a consultant to fill the gaps in monitoring for FY 2022. Included funding to analyze the genetics for the Orcutt's spineflower in partnership with the Navy. Remaining funds will be used for analysis of all the rare plant monitoring data to provide recommendations for monitoring and management.
1.2	Vertebrate Monitoring and Recovery	\$622,220	\$556,157	Continue funding species habitat recovery.
1.3	Invertebrate Monitoring and Recovery	\$130,000	\$71,713	Continue to work with contractors on rare butterfly monitoring and management.
1.4	General Stressors and Threats Management	\$245,000	\$122,946	Continue to work with partners to implement the Invasive Animal Management Plan. Continue to work with partners to tie urban runoff studies and the Aquatic Index of Biological Integrity to be consistent with MS4 permits.
	Subtotal	\$1,367,220	\$1,319,898	
2	Promote native vegetation communities			
2.1	Vegetation Community Monitoring and Recovery	\$57,464	\$215,676	Continue with regional vegetation monitoring protocol development and testing. Continue with the development and implementation of a grazing plan in coordination with land managers.
2.2	Pro-active Wildfire Planning and Management	\$0	\$0	No additional funding needed. Use of existing funds to continue the development of a Fire Ignition Reduction Plan; a regional Resource Avoidance Area Map integrated into fire agencies' Wildland Fire Decision Support Systems; and preparation of Preserve Fire Management Plans for Conserved Lands.
2.3	Invasive Plant Species Management	\$554,480	\$0	No additional funding needed. Continue to work with County of San Diego Agriculture to strategically reduce invasive species in the region.
2.4	Updated Vegetation Mapping	\$0	\$636,839	Funding added to work with a contractor to update the regional vegetation mapping for the MSP Area.
2.5	Enforcement	\$0	\$0	No additional funding needed. Continue to work with local jurisdictions to start multiple pilot efforts.
2.6	Preserve level management plan standardization	\$0	\$0	No additional funding needed.
2.7	Land Management Implementation (e.g., grants)	\$1,000,000	\$600,000	Funding included for the 11th cycle of Land Management Grants.
2.8	Emergency Land Management Fund	\$0	\$0	No additional funding needed.
	Subtotal	\$1,611,944	\$1,452,515	
3	Improve wildlife movement			
3.1	Wildlife Corridor and Linkages Monitoring	\$192,978	\$295,000	Continue to work with partners and contract a consultant to implement regional wildlife movement monitoring using motion cameras. Included funding to continue monitoring badgers and start the development of a monitoring and management plan.
	Subtotal	\$192,978	\$295,000	
4	Promote regional coordination			
4.1	Program Administrator	\$0	\$0	No additional funding needed.
4.2	Management & Monitoring Coordinator	\$75,604	\$85,825	Continue to work under existing contracts for FY 2022.
4.3	Biologist	\$204,531	\$250,000	Continue to work under existing contracts for FY 2022.
4.4	GIS Support	\$203,283	\$276,967	Continue to work under existing contracts for FY 2022.
4.5	Database Development and Support	\$269,440	\$284,393	Continue to work under existing contracts for FY 2022.
4.6	Conserved Lands Database Management	\$0	\$0	Continue to work under existing contracts for FY 2022.
4.7	Administrative & Science Support	\$75,000	\$35,402	Continue to work under existing contracts for FY 2022. Work with an outside entity to help develop tools to communicate the Preserve Metrics report to the public. Provide regional science, technical support and data analysis of regional management and monitoring data and reports. Provide funding for monitoring to inform the strategies and actions in support of the eradication of wild pigs.
	Subtotal	\$827,858	\$932,587	
	TOTAL FUNDING STRATEGY	\$4,000,000	\$4,000,000	

October 15, 2021

Intelligent Transportation Systems and the Next Operating System

Overview

More than 42,000 people died on US roadways in 2020 despite traffic volumes being down due to the pandemic. That marks an 8% increase over 2019 and is the highest fatality rate in nearly 100 years. The Governor's Highway Safety Association reported that pedestrian deaths increased 21% from 2019 to 2020 – the largest annual increase on record. We need to do more to protect our community members, particularly the most vulnerable road users.

The Next OS component of the 5 Big Moves builds on existing and ongoing regional Intelligent Transportation Systems (ITS) investments. Along with the design of safer roadways to protect vulnerable road users (pedestrians and micromobility users), real-time communications between intelligent vehicles, between vehicles and road infrastructure, and between vehicles and vulnerable road users will get us closer to our goal of zero traffic fatalities (Vision Zero).

In addition to *safety*, a connected and intelligent transportation system enabled by Next OS will deliver on the *sustainability* and *equity* goals of the 5 Big Moves.

Non-recurring incidents are responsible for 55% of traffic congestion. Signalized intersections that aren't intelligent and connected can cause long delays and greater emissions from idling vehicles. The Next OS provides real-time information on how traffic is moving, so we can optimize use of our existing roads and dramatically decrease incidents, congestion, and unnecessary delays, thereby reducing greenhouse gas emissions.

A connected and intelligent regional transportation system will make shared mobility more attractive and equitable for vast numbers of residents of our region. Next OS will deliver faster and predictable travel times and more options for multi-modal trips, by providing improved access and seamless transfers between shared transportation modes including transit, microtransit, pooled rideshare, and micromobility modes (including bikes and scooters). Increased access to shared mobility will deliver on our regional sustainability and equity goals.

Key Considerations

On June 18, 2021, the Transportation Committee heard a presentation about Next OS technologies like Artificial Intelligence, predictive analytics, and advances in wireless communications. These technologies can save lives and improve mobility, sustainability, and equity, but wide-scale deployment has been slow. At the October 15, 2021 Transportation Committee meeting, staff will describe how SANDAG, in partnership with federal, state, regional, and local transportation partners, is bringing the Next OS to life so the region can start to benefit from technology.

Action: **Discussion**

SANDAG staff will provide an overview of Intelligent Transportation System activities that are advancing the implementation of the Next Operation System.

Fiscal Impact:

Funding for ITS planning and implementation is included under the following overall work programs: 3330700 Intelligent Transportation Systems Planning; 3503000 Next Operating System (Next OS) Planning; and CIP #1147700 Next Operating System (Next OS) Implementation - Phase 1

Schedule/Scope Impact:

None.

This includes a major update to the federally required [Regional ITS Architecture](#). The Regional ITS Architecture is a tool that ensures consistency, coordination, and integration of various transportation systems across all the region's jurisdictions. It helps planners and engineers ensure that state, regional and local ITS projects can communicate and work together. As a companion to the ITS Architecture, staff also completed a [Transportation Systems Management and Operations](#) Strategy that describes the operational and institutional policies and processes that will be necessary to operate the transportation system holistically.

Implementation of several Next OS solutions will be completed as part of the recently awarded grant of \$9.3 million from the Federal Highway Administration (FHWA) under the [Advanced Transportation and Congestion Management Technologies Deployment \(ATCMTD\) Program](#). This grant will fund deployment of mobility hub technologies like curb management, smart intersections, and a regional border management system. This grant project is expected to kick off later this month.

Next Steps

The Next OS and ITS will help transform transportation and have a positive impact on our lives, but we must ensure that technology contributes to equity and economic inclusion. Today, there are many parts of the region that do not have basic broadband service. SANDAG has embarked on the development of a Regional Digital Equity Strategy that will ensure that the entire region is connected and that everyone benefits from technology. On October 22, staff will present the [Regional Digital Equity Strategy](#) to the SANDAG Board of Directors for discussion.

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Attachments: 1. [Regional ITS Architecture Web Tool](#)
 2. [Regional Transportation System Management and Operations \(TSMO\) Plan](#)
 3. [Smart Intersection System Concept of Operations](#)
 4. [Curb Access Management Concept of Operations](#)
 5. [Mobility Data Clearinghouse Concept of Operations](#)
 6. [Regional Digital Equity Strategy](#)