

OWP Monthly Report

October 2023

Mobility | Sustainability | Livability

40 – Transportation Activities

Goal 1: Meet federal mandates for regional transportation planning

- Monitoring planning document conformance between the RMAP listing of projects and the PAG TIP listing of projects and maintaining project numbers.
- Began cleanup of GIS delineation for submitted RMAP projects in the project explorer.
- Began a colorblind compatible template for the static maps in the RMAP planning document.
- Monitoring planning document conformance between the RMAP listing of projects and the PAG TIP listing of projects and maintaining project numbers.
- Initiated and continuing development of 2055 RMAP performance measure targets.
- Continued GIS coordination of updates to project locations for TIP project development and selection.
- Continued to monitor planning document conformance between the RMAP listing of projects and the PAG TIP listing of projects and maintaining project numbers.
- TIP project development, including programming and monitoring new project linework of GIS mapping for the TIP database and documents.
- Continued 2022 NPMRDS performance measure update including peak hour excessive delay measure.
- Continued turning movement count estimation using a new machine learning algorithm.

Goal 2: Establish and Implement a Performance Management Program

- Continued GIS coordination of updates to project locations for TIP project development and selection.
- Continued turning movement count estimation using a new machine learning algorithm.
- Discussed with ADOT about census urban area boundary smoothing and attended FHWA urban area boundary training.
- TIP project development, including programming and monitoring new project linework of GIS mapping for the TIP database and documents.
- Continued ongoing maintenance and updates to the Performance Measure Dashboard tool.
- Continued ongoing monitoring of ADOT's performance measures for the FAST Act.
- Calculated performance measures including three reliability measures and non-single occupancy vehicle travel measure for 2022.

Goal 3: Title VI and Environmental Justice Planning and Compliance

- Compiled a comprehensive list of all Title VI, Environmental Justice and Justice40 activities taking place within PAG and RTA to provide in a memo to members of the Regional Council.

Goal 4: Develop Multimodal Components of the long-range RMAP

- Attended ADOT's Arizona Vulnerable Road User Assessment Stakeholder meeting #2.
- Attended Association of Pedestrian and Bicycle Professionals annual Safety Summit.

- Attended Tucson Pima County Bicycle Advisory Committee meeting.
- Attended FHWA webinar “Complete Streets Safety Analysis.”

Goal 5: Coordinate transportation planning efforts conducted by other agencies with regional studies

- Continued partnerships with PAG regional agencies related to grant awards and support documentation, including project phasing, planning and programming in the TIP.
- Completed ADOT urban boundary review and delineation.
- Attended discussion of Sun Cloud data maintenance feedback.

Goal 7: Enhance community engagement in and understanding of regional long- and short-range transportation plans and processes

- Continued stakeholder outreach for the TIP development process and programming processes.

Goal 9: Meet federally mandated requirements for transportation program administration and development in order to secure funding for the region

- Supported staff activities related to the FY 2022–FY 2026 Transportation Improvement Program (TIP), including conducting meetings, preparing amendments, and HURF reimbursements.

Goal 10: Work collaboratively with PAG member agencies to develop TIP project lists that deliver projects in the program in a timely manner and that optimize funding available to the region

- Supported implementation steps for the Regional Transportation Alternatives Grants program projects.
- Continued coordination process with PAG regional partners to develop the TIP project lists and delivery schedules.

Goal 11: Maintain funding levels to the region

- Continued monitoring transportation revenues on regional, state and federal levels.

Goal 12: Assess and maintain fiscal constraint for transportation plans and programs

- Continued: Monitoring and management of regional plans and programs.

Goal 18: Enhance database analysis tools and map products to better support regional planning efforts

- **Strategy: Develop database applications and map products.**
- Employed the ESRI HUB community engagement platform to improve internal data organization. This platform will allow us to maximize engagement, communication, collaboration regarding our geographic information.

Goal 20: Reduce auto emissions by providing a commuter assistance/rideshare program and promoting alternative transportation to employers and commuters. Shifting transportation demand to nonpeak hours or other transportation modes, increasing vehicle occupancy rates, or otherwise reducing demand for roads.

- **Strategy: Provide vanpool subsidies to reduce commute costs.**
- Processed vanpool subsidy invoice for vanpool program.

Goal 24: Plan for incident management and emergency response on a regional level for advanced transportation technologies to improve emergency evacuation and response by federal, state, and local authorities

- **Strategy: Participate as appropriate in recurring Traffic Incident Management Self-Assessment with transportation and emergency response personnel. As needed, coordinate emergency response planning among transportation providers and emergency services through dialogue, goal setting and performance tracking.**
- GIS finalized exhibit maps for Transportation Management's report to ADOT for the supplemental mobility management grant.
- GIS continued investigating additional data layers for possible addition to the dynamic map application for evaluating service area boundaries, the collective reach of FTA Section 5310 funded providers, NEMT and private transportation providers and volunteer driver programs. This effort includes the ability to identify the scope and breadth of transportation services available to elderly and disabled populations in the PAG planning area.

Goal 29: Evaluate the regional multimodal transportation performance through regional multimodal transportation system

- Completed UA project scope of work development for multimodal transportation data collection and its contract procedure.
- Continued review of PAG ABM development documentation.

Goal 4: Develop multimodal components of the long-range RMAP

- An RFQ and associated scope of work were sent to three firms for the Active Modes Plan which will be used to inform future RMAP efforts.

Goal 4: Develop multimodal components of the long-range RMAP

- Completed annual update to online version of Tucson Metro Bikeways Map.
- Continued development of printed version of Tucson Metro Bikeways Map.
- Continued preparations for annual bike and pedestrian count.
- Presented an overview of bike and pedestrian count program to PAG's Transportation Systems and Safety Subcommittee.
- Conducted the annual bicycle and pedestrian count.

Goal 20: Reduce auto emissions by providing a commuter assistance/rideshare program and promoting alternative transportation to employers and commuters. Shifting transportation demand to nonpeak hours or other transportation modes, increasing vehicle occupancy rates, or otherwise reducing demand for roads

- **Strategy: Provide vanpool subsidies to reduce commute costs.**
- Processed vanpool subsidy invoice for vanpool program.
- Initiated scope of work development for orthophoto feature extraction to support alternate modes of transportation gap/assets/needs assessment to inform the CRP plan.
- Attended the 2023 Urban Heat Island Workshop, presented by the City of Tucson, Tucson Water and CLIMAS to inform developments of scopes of work for CRP.
- Initiated participation in a free Esri massive open online course on GIS for Climate Action, utilizing ArcGIS Pro to help assess and address climate challenges to enable future steps of CRP.

Goal 22: Develop Multimodal Components of the long-range RMAP, including the construction, planning, and design of on-road and off-road facilities for pedestrians, bicyclists, and other nonmotorized forms of transportation

- **Strategy: Develop regional active modes component of the RMAP. Conduct regional bicycle and pedestrian mileage information, count data and other active modes analysis for input into the RMAP.**
- Conducted meeting to discuss selection of review panel members for Active Transportation SOQs.
- Participated in panelist review of Household Travel Study and Assessment consultant SOQs.
- Participated in PAG bike/pedestrian counting at various locations.

- Continued DTA project procurement process.
- Initiated RFQ process to select the most qualified consulting firm for PAG Household Travel Study and Assessment.
- Completed test of 24-hour 96-period DTA model.
- Continued 2023 PAG traffic count data collection.

Goal 26: Apply developed activity-based model (ABM) to support PAG’s planning efforts including RMAP and TIP. Deploy advanced transportation and congestion management technologies such as transportation system performance data collection, analysis, and dissemination systems.

- Initiated the review of PAG ABM development documentation.
- Continued the ABM exploratory tool development project literature review.
- Continued review of purchased Street Light volume estimates by vehicle class over PAG’s TDM network.

Goal 29: Evaluate the regional multimodal transportation performance through regional multimodal transportation system

- Prepared UA project scope of work development for multimodal transportation data collection.
- Prepared relevant documentation or memo for household travel study and assessment, DTA project procurement process.
- Continued to review and upload 2023 Miovision counts to PAG MS2 website.
- Began development of base DTA model (PM period).
- Began 2023 PAG traffic count data collection.
- Reviewed PAG greenhouse gas report for the QA/QC of statistics.

11 - Regional Integrated Watershed Planning

Goal 1: Fulfill Mandatory Designated Watershed Planning Responsibilities

- Continued to monitor ADEQ’s AZPDES permits-in-process map and public notices for advance notice of potential consistency reviews or other PAG 208 processes.
- As chair of ADEQ’s Statewide Water Quality Management Working Group (WQMWG), arranged speakers, prepared the agenda, and scheduled a November meeting of the WQMWG.
- Continued to draft a presentation to ADEQ’s Statewide Water Quality Management Working Group on WQMWG and Designated Planning Agency (DPA) roles and responsibilities, in coordination with other DPAs.
- Prepared the draft agenda for a potential Stormwater Management Working Group (SWMWG) meeting, covering topics of interest to SWMWG members and potential speakers.
- Completed and received final approval of the Riparian Health Assessment Summary for Monitoring Year (MY) 2022-23.
- Provided annual updates on PAG’s riparian health assessments for the Pima County Local Drought Impact Group 2023 Water Year Annual Report, which was submitted to the Arizona Department of Water Resources (ADWR) and will be included as an appendix in ADWR’s 2023 Arizona Drought Preparedness Annual Report.
- Provided annual updates on PAG’s riparian health assessments to be shared at the 2023 State of the Cienega Watershed.
- Provided updates on regional watershed priorities and local water issues for the PAG’s Environmental Planning Advisory Committee (EPAC) Top Environmental Issues List for 2024.
- Initiated investigation into potential funding opportunities for regional solid waste planning.
- Continued planning for a potential future Stormwater Management Working Group (SWMWG) meeting, covering topics of interest to SWMWG members and potential speakers.
- Conducted and facilitated September quarterly riparian health assessments for Cienega Creek and Davidson Canyon, within Pima County’s Cienega Creek Natural Preserve, in coordination with the Pima County Regional Flood Control District.
- Completed QA/QC and finalized March 2023 and June 2023 riparian health assessment data.
- Prepared the draft Riparian Health Assessment Summary for Monitoring Year (MY) 2022-23 for internal review and approval.
- Attended a meeting of Pima County’s Local Drought Impact Group and provided brief oral updates on PAG’s annual riparian health assessment results for MY 2022-23.

- Continued an organizational update of the riparian health assessment quarterly wet/dry mapping data by standardizing pool point shapefiles, cleaning up files, and adding attributes from handwritten datasheets, where needed.
- Prepared and submitted the draft Stormwater Program Annual Summary for Fiscal Year 2022-23 for internal review and approval.
- Attended ADEQ's Triennial Review kickoff effort and began tracking the Triennial Review process to determine how or if the rulemaking might affect impaired, important, vulnerable or protected waters within the PAG region.

Goal 2: Enhance Watershed Coordination for a more Vibrant Human Environment

- As a partner of the Santa Cruz Watershed Collaborative (SCWC), continued to contribute to advisory role and planning efforts for the SCWC Fall Forum to be held in December 2023.
- Responded to a data request for PAG's shallow groundwater areas shapefiles.

12 - Regional Air Quality Planning

Goal 1: Fulfill mandated responsibilities for air quality modeling and planning

- Presented summary of PAG's Regional Greenhouse Gas Inventory 2016-2021 to EPAC and received approval of the report.
- Attended EPA-ADEQ Multi-agency Air Quality Compliance meeting with breakout session discussing Climate Pollution Reduction Grant funding opportunities.
- Attended EPA Multi-Jurisdictional Organizations MOVES mobile source emissions modeling meeting discussing release of version 4.
- Attended USDOE Industrial Heat Shot Summit webinar discussing reducing carbon emissions from energy-intensive industrial heating.
- Attended meeting on discussion of 2024 EPAC Top Environmental Issues List for 2024.
- Initiated work to automate overall process to estimate emissions using travel model output and MOVES model.
- Met with PDEQ staff to discuss EPA Climate Pollution Reduction Grant emission inventory needs.
- Attended EPA Climate Pollution Reduction Grants for State, Territory, Municipal, and Tribal Governments webinar.
- Attended USDOE H2IQ Hour Webinar: Decarbonizing Heavy-Duty Vehicles.
- Attended USGBC Mountain Region Webinar: Reducing Your Concrete's Carbon Footprint.
- Attended EPA Motor Vehicle Emissions Simulator (MOVES) fourth version information webinar.
- Presented draft Regional Greenhouse Gas Inventory Report data to EPAC's Air Quality Subcommittee.
- Solicited and evaluated comments for PAG's Regional Greenhouse Gas Inventory Report.
- Attended Pima County Air Quality Hearing Board meeting.
- Attended Sustainable Cities Network (SCN) Electric Vehicle subgroup monthly meeting.
- Provided requested data to PDEQ relating to data from PAG's Regional Greenhouse Gas Inventory for 2021.

44 - Regional Economic Vitality

Goal 2: Enhance the region's ability to compete in a global economy

- Continued participation in meetings and activities of the Making Action Possible (MAP) Dashboard.

36 - Regional Partnering Center Support

Goal 1: Provide staff and administrative support for oversight of RPC projects and programs

- Operated the Sabino Canyon Shuttle: Sabino Canyon Trips: 253; Bear Canyon Trips: 248; Total Passengers in October: 7,121.
- Participated in monthly meeting with U.S. Forest Service team and Crawler staff.
- Met with TRP staff to discuss shuttle replacement strategy and options.

- Met with TEP Director of Government Relations to address RPC Board seat, Vehicle Replacement plan and future planning through end of contract in 2029.
- Operated the Sabino Canyon Shuttle.
- 245 of shuttle trips occurred on the Sabino Canyon Route.
- 240 of shuttle trips on the Bear Canyon Route.

38 - Travel Reduction Program

Goal 1: Meet the goals and objectives and implement all the tasks and activities as described in the TRP Scope of Work for the ADEQ Air Quality Grant.

- Submitted NTD Report Package via FTA Appian System prior to Oct. 30 deadline.
- **Strategy: Manage web-based Annual TRP Employer Survey platform for major regional employer data collection and reporting.**
- Internet-based employee survey on commuter behavior/alternative mode usage and summary reports.
- Collected employee surveys from 17 TRP companies totaling 42,772 employees in October through the online survey tool. Granted three extensions: Comcast, Brookdale Catalinas and Community Food Bank.
- **Strategy: Transportation Coordinator (TC) Training sessions for TRP employers.**
- Conducted orientation for Securaplane Technologies and UA VA Health System for new Transportation Coordinator (TC).
- **Strategy: Communicate and collaborate with program partners, ADEQ, PDEQ and member jurisdictions, on common goals and initiatives related to supporting regional commuters.**
- Addressed Remote Work Employer (RWE) site reconfirmation process to reconfirm in second year of RWE implementation.
- Submitted final ADEQ billing for September 2023 expenses.
- Conducted outreach for zero activity TRP employers stressing compliance with local ordinances.
- Updated PAG budget tracking sheet for FY 23-24 ADEQ Grant contract period.

39 - Commuter Services

Goal 1: Reduce auto emissions by providing a commuter assistance/rideshare program and promoting alternative transportation to employers and commuters

- Updated rider logs from Commute with Enterprise with RidePro Software.

61 - Orthophotos

Goal 1: Coordinate data gathering and remote-sensing activities to enhance planning and decision making

- Initiated Ortho 2023 contract and contractors began on the ground benchmarks.

Goal 3: Conduct Transportation Improvement Program (TIP) and the 2055 RMAP modeling and Title VI Analyses, as needed

- Began review of inputs and outputs for 2055 RMAP modeling.
- Initiated information of known projects for 2055 RMAP employment information.
- Continued to collect building permit records (January to June 2023) from the jurisdictional partners and reviewed records of four jurisdictions.
- Initiated meetings with jurisdiction members Oro Valley, Pima County, Sahuarita, Marana, South Tucson, Pascua Yaqui Tribe to discuss land use data updates for 2055 RMAP.

Goal 5: Develop regional employment data

- Continued 2021/2022 business listing review and processing for employment database.
- Completed employment density data request for consultant.
- Completed one top 10 employer data request.

- Continued employment data processing optimization.

Goal 6: Evaluate the regional multimodal transportation performance through regional multimodal transportation system

- Prepared UA project scope of work development for multimodal transportation data collection.

63 - Regional Modeling

Goal 1: Apply developed ABM to support PAG's planning efforts including RMAP and TIP

- Initiated the review of PAG ABM development documentation.
- Continued the ABM exploratory tool development project literature review.
- Continued review of purchased StreetLight volume estimates by vehicle class over PAG's TDM network.
- The fall 2023 acquisition of regional orthophotography was an action item presented to Regional Council on Sept. 28. It was approved to move forward with executing a contract in October with Digital Mapping Inc. which occurred thereafter.
- The GIS program posted an employment opportunity for GIS staff.

Goal 3: Conduct Transportation Improvement Program (TIP) and the 2055 RMAP modeling and Title VI Analyses, as needed

- Began review of inputs and outputs for RMAP 2055 modeling.
- Initiated information of known projects for RMAP 2055 employment information.
- Continued to collect building permit records (January to June 2023) from the jurisdictional partners and reviewed records of four jurisdictions.
- Initiated meetings with jurisdiction members Oro Valley, Pima County, Sahuarita, Marana, South Tucson, Pascua Yaqui Tribe to discuss land use data updates for RMAP 2055.

Goal 5: Develop regional employment data

- Continued 2021/2022 business listing review and processing for employment database.
- Completed employment density data request for consultant.
- Completed one top 10 employer data request.
- Continued employment data processing optimization.

Goal 6: Evaluate the regional multimodal transportation performance through regional multimodal transportation system

- Prepared UA project scope of work development for multimodal transportation data collection.

46 - RTA Support

Goal 1: Provide staff and administrative support for oversight of RTA projects and programs

- Reviewed financial exhibits for new IGAs and IGA amendments.
- Provided budgetary approval of RTA invoices from jurisdictions.
- Developed financial exhibits for new IGAs and IGA amendments.
- Maintained off-line RTA cashflow sheet. This sheet tracks fund balances and programming through 2026 of RTA and supplanted HURF (12R).
- Updated project and IGA budget within RTA web.
- Revised the Project Cost Worksheet to include fiscal years 2027 and 2028. This revision is intended primarily for STBG allocations in post-RTA years.
- Attended monthly project updates for Element I roadway projects.
- Provided unexpended budgets from projects to jurisdictions in annual rollover meetings.
- Provided final expenditures and rollover budgets for transit.

- Updated TIP proposed with FY 2023 final expenditures and FY 2024 RTA TPT programming.

Transit contract management and reporting

- Continued contract compliance and monitoring for Total Ride/National Express.
- Conducted RTA/Total Ride Operations Meeting.
- Monitoring contract compliance for National Express contract.
- Overseeing Second Generation contract to ensure compliance.
- Working with National Express Ltd. on the transfer of Ajo transit services.
- Monitored Key Performance Indicators (KPIs) with contractor, and updated invoicing protocol.
- Worked with Ecolane and Tripshot software companies to enhance Sun Shuttle paratransit trip data collection.
- Drafted contract amendment with new price sheet for Total Ride/National Express.
- Worked with Total Ride/National Express to continue troubleshooting operational issues.
- Brought electric vehicle procurement agenda item to the RTA Board for review and approval.
- Discussed ADA paratransit eligibility process with the City of Tucson for more frequent collaboration.
- Continuing research to isolate RTA purchased real estate on Broadway, between Euclid and Country Club. This is an effort to determine what proceeds, to date, have been captured by the City of Tucson as these remnant parcels are sold.

Transit planning and data analysis

- Sun Tran marketing discussions with Sun Tran marketing team for targeted marketing campaigns for new Sun Shuttle route changes.
- Monthly data reports reviewed and uploaded into the internal database.
- Evaluated and made improvements to Sun Shuttle timetables and routes.
- Sun Shuttle November route booklet updated to represent changes to routes and schedules.
- Chaired Transit Working Group discussing Sun Shuttle service changes.
- Created memo for RTA Board approval concerning EV vehicle procurement using funds from the recently awarded no-low grant.
- Participated in preliminary brainstorm for feasibility and methodology for a student mobility survey with modeling team and regional educational partners.
- Met with ADOT partners to ensure all transit team members were familiarized with current ADA-eligibility requirements and the appeals process.
- Reviewed new pricing for Ajo fixed-route service with contractor; developed plan for implementation pending chain of approval and coordination with Maricopa County partners.
- Participated in the monthly Paratransit Ambassador Meeting with contractor and community members to recognize successes and collaborate on solutions to challenge areas in RTA-funded paratransit services.
- Solicited RFQs from consultants on the planned RTA microtransit study.
- Attended stakeholder meetings, COA meetings, and advised the CAC on several issues.
- Began planning for transit in TIP development for FY 2024-FY 2028.
- Met with ADOT to discuss details on the RTA's submitted FTA Grant 5339 application for vehicle enhancements.

5310 planning

- Provided guidance and support to subrecipients regarding vehicles listed as past due for annual inspections, as per the ADOT Coordinated Mobility Program Guidebook.
- Discussions with PCOA regarding expansion of Neighbors Care Alliance Programs (volunteer driver programs) and initiatives for proactive identification of changes in mobility among elderly and the associated transportation needs.
- Continued work on a draft document to determine feasibility of a pilot Accessibility Advocate Program in the PAG region to provide a level of service to support non-traditional riders in using transit and/or typically client-based transportation services via coordination.
- Conducted individual training on FTA Section 5310 compliance elements to individual agencies with new staff or role changes within the program.
- Worked on the development of guidelines for Personal Care Attendants and a potential certification program through PCOA.

- Continued work on draft plan to help identify agencies with a core competency around accessibility and functional needs with the goal of inviting these agencies into the Coordinated Mobility Working Group discussions. The discussions would have a primary aim of advancing regional coordination, improving driver training and regional travel training.
- Worked with ADOT/EQS to support agencies in their efforts to meet vehicle inspection compliance requirements and vehicle transfer requests.
- Ongoing development of compliance-related checklists and tools to offer supplemental support for adhering to compliance standards.
- Ongoing development of efforts to share resources and best practices throughout the region.
- Continued development of potential approaches to coordinating with case managers across social service agencies and healthcare agencies to address the unique transportation needs of elderly and disabled in both urban and rural areas of the PAG region and incorporate strategies and/or data into the Pima Find a Ride website and potential support for regional disaster preparedness planning.
- Continued support to agencies by providing information, guidance, tools and resources.
- Worked on the development of a “Welcome Packet/ 5310 Fundamentals and Intro Packet” for new agencies interested in the program.
- Exploring potential shared platforms for pre- and post-trip inspections.
- Worked with subrecipients in identifying potential opportunities for MOUs for shared vehicles and emergency planning.
- Began planning for joint training initiatives pertinent to ADA, PTASP, TAM plans and federal braiding.
- Initial preparations for different opportunities to coordinate with first responders for Safety and Emergency Planning Training.
- Worked on final stages of the Mapping Project including the integration of census block data/TAZ, major cross street integration and search related layers for pulling specific visual data in the maps for trip planning and regional planning/ future updates to the Public Transit Human Services Coordinated Transportation plan. All these elements play a role in the associated enhancements to Pima Find a Ride.

47- MainStreet Business Outreach and RTA Project Implementation

Goal 1: Assist businesses impacted by construction of RTA plan projects

- **Strategy: Identify and engage business impacted by transportation project construction before and throughout project implementation.**
- Continued providing ongoing complimentary MainStreet Business Assistance Program outreach and direct consulting services to the 3,192 businesses located on 12 major RTA projects currently in construction or design. (Roadway Construction: #8, #16 (Phase 3&4); Roadway Design: #1 (Phase 2), #5 (Phase 2), #14, #15, #18 (Phase 3&4); #18 (Phase 5&6), #19 (Phase 2), #22, #25, #32 (Phase #5).
- Continued providing project update emails to current outreach area businesses. Currently 11,838 project update emails sent year-to-date (January 2023 through October 2023).
- Assistance Program outreach and direct consulting services to the 4,265 businesses located on 12 major RTA projects currently in construction or design. (Roadway Construction: #8, #16 (Phase 3&4); Safety Construction #38; Roadway Design: #1 (Phase 2), #5 (Phase 2), #14, #15, #18 (Phase 3&4); #18 (Phase 5&6), #19 (Phase 2), #22, #25, #32 (Phase #5).

95 - Transportation Art by Youth Program

Goal: Enhance the transportation experience, improve the quality of life within the community, and strengthen community identity, while also providing education and opportunity for local youth to create public art

- Program administration, including maintenance and implementation of procedures and policies that facilitate public TABY installations.
- Issuance of the FY 2024 TABY application, policy and map.
- Continued program administration including maintenance and implementation of procedures and policies that facilitate public TABY installations.
- Continued jurisdictional support in the development of approved projects.