

OWP Monthly Report

June 2024

Mobility | Sustainability | Livability

40 – Transportation Activities

Goal 1: Meet federal mandates for regional transportation planning

- Continued to coordinate individually with jurisdictions to refine the 2055 RMAP project list within the anticipated fiscal constraint.
- Continued development of 2055 RMAP performance measure targets.
- Continued to draft and develop components of the 2055 RMAP.
- GIS team updated administrative boundaries used in the RMAP online viewer.

Goal 2: Establish and Implement a Performance Management Program

- GIS staff looked into dataset updates needed for performance measures in preparation for the RMAP report and performance measure project assessments for the RMAP Explorer and dashboard.

Goal 3: Title VI and Environmental Justice Planning and Compliance

- Conducted a joint EPAC/WPS meeting. Agenda topics focused on environmental justice and regional environmental issues per the approved EPAC Top Environmental Issues List for 2024.
- Assessed available GIS data for Title VI analysis efforts in western Pima County.

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

- Continued development of 2055 RMAP performance measure targets.
- Continued to work with jurisdictional partners to refine the 2055 RMAP project list and associated multimodal components.
- Continued to draft and develop multimodal components of the 2055 RMAP.
- Continued coordination with the consultant on the overall development of the RATP, which will be used in the development of the 2055 RMAP to the extent possible and future long-range transportation plans.
- Began planning for a July RMAP Working Group meeting to discuss and further refine the multimodal components of the plan via the project list with the option to recommend approval of a draft in-plan project list.
- Following approval of the Dial-a-Ride and Microtransit Service Area Analysis and Comprehensive Transit Planning Study for the Picture Rocks and Vail areas by the PAG Regional Council in May, the contract was finalized and signed, and a kick-off meeting is scheduled for July with the consultant. This study will inform multimodal components of the RMAP.

- Launched a survey to obtain feedback from the public on transportation priorities and investments for the 2055 RMAP. This will inform multimodal components of the RMAP.
- Continued DTA development project: Finalized model and transit networks, reviewed model status, validation targets.
- Completed a draft location selection for 2024-2025 traffic counts.
- Continued UA Task 4, traffic count statistics development.
- Continued development of 2023 traffic count report.
- Continued turning movement count estimation using a new machine learning algorithm.
- PAG Household Travel Study and Assessment project officially began with the kick-off meeting and discussed public outreach using microsite and a project website with PAG Communications team and ETC Institute; reviewed supplemental dataset and shared it with a consulting firm; reviewed survey questionnaire; discussed survey design to incorporate TRP efforts into the design.
- Continued work on presentation of second PAG UA project for TSSS meeting in July.
- Continued work on updating methodology for in-kind calculations for regional Max View event data and Miovison sensor data.
- Continued coordination with the consultant on the overall development of the PAG Regional Active Transportation Plan (RATP), which will be used to inform active transportation elements in the 2055 RMAP to the extent feasible and future long-range transportation plans. The current focus is on refining draft vision statement, goals, objectives, and performance metrics, data collection and analysis, and refining materials for pending public outreach in July.
- Continued to work with jurisdictional partners to refine the 2055 RMAP project list and associated multimodal components.
- Continued to draft and develop multimodal components of the 2055 RMAP.
- Began planning for a July RMAP Working Group meeting to discuss and further refine the multimodal components of the plan via the project list with the option to recommend approval of a draft in-plan project list.
- Following approval of the Dial-a-Ride and Microtransit Service Area Analysis and Comprehensive Transit Planning Study for the Picture Rocks and Vail areas by the PAG Regional Council in May, the contract was finalized and signed, and a kick-off meeting is scheduled for July with the consultant. This project will inform multimodal components of the RMAP.
- Launched a survey to obtain feedback from the public on transportation priorities and investments for the 2055 RMAP. This will inform multimodal components of the RMAP.
- Continued working with jurisdictional partners to refine the 2055 RMAP project list and associated multimodal components.
- Continued coordinating with consultants on the RATP and microtransit project to promote carbon reduction.
- GIS staff coordinated with Ecopia to conduct an orthophoto feature extraction workshop to encourage developmental feedback on the features to include in the extraction.

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.

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

- Launched a survey to obtain feedback from the public on transportation priorities and investments for the 2055 RMAP. PAG staff attended numerous pop-up events in disadvantaged areas to engage community members and promote the survey.

Strategy: Identify new stakeholders and coordinate group meetings/presentations throughout the region.

- PAG staff attended numerous pop-up events in disadvantaged areas to engage new community members and promote the 2055 RMAP survey.

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 administering the 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.

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

- Coordinated with each of the member jurisdictions individually to update the RMAP financial plan with the most accurate numbers from local funding contributions.
- Continued monitoring and management of regional plans and programs.

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

- GIS staff continued reorganizing ArcGIS Online content and evaluated online content and transfer of some items to archives.
- Continued GIS mapping support through further refinement of a test and graphics for map symbology for the next RMAP plan update and TIP databases.

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.

- Began meeting with a consultant to develop a Microtransit Study. A signed contract is pending.
- The PAG Regional Council approved a contract for a Dial-a-Ride and Microtransit Service Area Analysis and Comprehensive Transit Planning Study for the Picture Rocks and Vail Areas in May. The contract was signed, and a kickoff meeting is scheduled with the consultant in July. This project will help promote alternative transportation options and carbon reduction.
- Met with Kimley-Horn staff to discuss status of PAG Regional Active Transportation plan in development.
- Continued to work with the consultant on the development of the RATP, which will reduce carbon emissions and promote alternative transportation for commuters.
- Attended FHWA Charging and Fueling Infrastructure Grant NOFO Overview webinar.
- Attended Kick-off meeting: PAG Household Travel Study and Assessment.
- Attended PAG Ecopia Workshop for Orthophotography Feature Extraction for Active Modes Infrastructure.

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

- Continued coordination with the consultant on the overall development of the PAG Regional Active Transportation Plan (RATP), which will be used to inform active transportation elements in the 2055 RMAP to the extent feasible and future long-range transportation plans. The current focus is on refining draft vision statement, goals, objectives, and performance metrics, data collection and analysis, and refining materials for pending public outreach in July.
- GIS staff continued support for the ongoing development of the printed version of Tucson Metro Bikeways Map.
- Continued to work with jurisdictional partners to develop multimodal components of the RMAP.
- Continued to work with the consultant on the development of the RATP, which will ultimately inform non-motorized forms of transportation for future long-range transportation plans.

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.

- Continued test of automation tools for ABM exploratory tool development.
- Discussed exploratory approach design and reviewed a draft approach design document and model test recommendation memo prepared by PAG consultant.

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

- Continued literature review of the multimodal transportation system performance measures.
- Developed a Python script to stream real-time GTFS data for transit performance measures.
- Developed a Python script to stream real-time GBFS data for bike and e-scooter performance measures.
- Continued reviewing in-house developed GTFS stop-to-stop travel time estimation model.
- Reviewed the report for Task 2 (Literature Review) of the UA Project III.
- Reviewed the report for Task 3 (Transit Data Collection and Analysis) of the UA Project III.
- Coordinated points for usage of ortho feature extraction by the RATP project.
- Presented and gathered committee feedback on orthophoto feature extraction to support alternate modes of transportation gap/assets/needs assessment in order to inform the RATP.
- Verified the most useful J40 data sources and took steps in development of PAG maps using J40 data across the Transportation Management Area and Pima County.
- Continued Scope of Work development for orthophoto feature extraction to support alternate modes of transportation gap/assets/needs assessment in order to inform the RATP.

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, including the Copper World APP.
- Continued working on annual Administrative Updates to the appendices of the PAG Areawide Water Quality Management Plan (208 Plan).
- Continued to develop interactive StoryMaps to provide information about PAG’s 208 program and guide wastewater discharge permit applicants through the PAG 208 Consistency Review process.
- Integrated Planning staff conducted a joint meeting of the PAG Watershed Planning Subcommittee (WPS) with EPAC to cover long-term impacts of water contamination on community health, climate planning, and Copper World Mining permits, in coordination with EPAC.
- Conducted the June riparian health assessment for Cienega Creek within Pima County’s Cienega Creek Natural Preserve.
- GIS staff completed QA/QC of September 2023, December 2023, and March 2024 riparian health assessment data for Cienega Creek and Davidson Canyon.
- Watershed staff participated in the City of Tucson’s Floodplain Management Plan Update meeting and Stormwater Workshop.

- Watershed staff provided updates on upcoming meetings and coordination opportunities to the Stormwater Management Working Group and interested parties.

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

- Continued to build an interactive StoryMap utilizing PAG's long-term Cienega Creek and Davidson Canyon riparian health assessment data to highlight trends over the past four decades and demonstrate the value of long-term, consistent monitoring and data collection.

12 - Regional Air Quality Planning

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

- Attended Arizona Department of Environmental Quality webinar for developing a statewide solid waste and materials management plan.
- Attended Joint Watershed Planning Subcommittee (WPS) and Environmental Planning Advisory Committee (EPAC).
- Attended MJO MOVES Workgroup Air Quality transportation modeling meeting.
- Attended Sustainable Cities Network (SCN) Electric Vehicle Workgroup Meeting - Charge@Work.
- Attended USDOE EV Load Forecasting to Support Vehicle-Grid Integration webinar.

Goal 2: Conduct a regional air quality planning program

- Attended Sustainable Cities Network Federal Infrastructure Workgroup meeting.

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

- Reviewed budgets and invoices for Conserve 2 Enhance, now advised by the Santa Cruz Watershed Collaborative.
- Operated the Sabino Canyon Shuttle

Sabino Canyon Trips = 16
 Bear Canyon Trips = 16
 Total Passengers in April = 457

- The Crawler operation was closed for maintenance road construction for the entire month of June.
- Participated in USFS coordination call with Forest Service staff.
- Completed vehicle demo for alternate vehicles.
- Completed air conditioner unit repair on office trailer.
- Replaced electrical motor in one of the shuttles due to equipment failure.

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

Strategy: Manage web-based Annual TRP Employer Survey platform for major regional employer data collection and reporting.

- Completed air conditioner unit repair in office trailer.
- Submitted NTD Report package via FTA Appian System to address FTA analyst questions concerning agency profile and safety report.
- Internet-based employee survey on commuter behavior/alternative mode usage and summary reports.
- Collected employee surveys from 18 TRP companies totaling 8,693 employees in June. Granted two extensions to Omni Tucson National Golf Resort Spa and Westin La Paloma.

Strategy: Communicate and collaborate with program partners, ADEQ, PDEQ and member jurisdictions, on common goals and initiatives related to supporting regional commuters.

- Submitted final ADEQ billing and program activity summary for May 2024 expenses.
- Hosted TRP Task Force Meeting June 17, 2024 (one of two required meetings for 2024).
- Completed analysis of 2024 AIR Survey results and shared metrics with Regional Task Force members.
- Updated PAG budget tracking sheet for FY 2023-24 ADEQ Grant contract period.

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.

Strategy: Communicate and collaborate with program partners, ADEQ, PDEQ and member jurisdictions, on common goals and initiatives related to supporting regional commuters.

- Confirmed five of 10 employer representative seats for 2024-2026 Regional Task Force.

39 - Commuter Services

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

- Administered TRP Employee Survey for 18 employers. Granted two extensions for traditionally strong performers to allow more time to complete the survey.

61 - Orthophotos

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

- Contacted jurisdictions for commitments of financial match support for orthophotos and began delivering 2023 datasets.
- GIS staff coordinated points for usage of orthophoto feature extraction by the RATP project.

63 - Regional Modeling

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

- Continued review and development of model inputs for LUM.

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

- Presented updates on RMAP data inputs and redevelopment model to PopTech.
- Presented updates on RMAP data inputs to the RMAP Working Group.
- Began testing of ABM for RMAP modeling.

Goal 4: Review and update annual population estimate and develop the subcounty population projection for PAG member agencies

- Continued collection and reviewed first quarter of 2024 building permits data.
- Finalized July to December 2023 building permits geocoding.
- Participated in AOEO CTS meeting to discuss population issues.
- Group quarter data collection.

Goal 5: Develop regional employment data

- Continued employment data processing optimization.
- Reviewed MAG industry sectors for Statewide Employer Database Project.

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

- Continued literature review of the multimodal transportation system performance measures.
- Developed a Python script to stream real-time GTFS data for transit performance measures.
- Developed a Python script to stream real-time GBFS data for bike and e-scooter performance measures.
- Continued reviewing in-house developed GTFS stop-to-stop travel time estimation model.
- Reviewed the report for Task 2 (Literature Review) of the UA Project III.
- Reviewed the report for Task 3 (Transit Data Collection and Analysis) of the UA Project III.

46 - RTA Support

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

- Developing RTA static maps of cumulative progress since 2006.
- Created a series of maps depicting the impact of the RTA in the region. This map series includes a representation of the roadway network in 2006 before the RTA, including a map of the roadway elements and a map of all completed improvements across all modes.
- Performed a sign audit with the RTA team.
- Continued training new Management Analyst.
- Presented fiscal findings on missed trips to executive director.

Transit contract management and reporting

- Worked with Ecolane and WeDriveU to roll out app improvements for ADA DAR.
- Continued contract compliance and monitoring for Total Ride/WeDriveU.
- Conducted three RTA/Total Ride operations meetings.
- Monitored key performance indicators (KPIs) with contractor, and updated invoicing protocol.
- Worked with Total Ride/WeDriveU to continue troubleshooting operational issues.
- Facilitated a series of meetings with management and operations staff of our contractor to brainstorm and develop an improved operational plan to improve on-time performance for regional fixed-route services.
- Planned future operational changes to Sun Shuttle fixed route to improve OTP and ridership.
- Worked with RPTA on new billing processes, insurance requirements and IGA amendments.
- Attended transit management software workshop for planning and scheduling more efficient transit routes.
- Completed FTA grant 5311 reimbursement requests for January and February 2024.
- Discussed metrics regarding OTP and contract compliance with representatives from WDU.
- Took part in three ADA paratransit eligibility appeals, and one ADA paratransit suspension appeal.

- Represented PAG at the annual ADOT Title VI training in Phoenix.
- Took part in three separate webinars related to FTA regulations for public transit services.
- Discovered \$680,250 in damages toward WDU in missed trip fines from contract inception.
- Developed templates to assess metrics taken from EcoLane/Tripshot against reports submitted by WDU.
- Worked with the WDU team to develop an ADA EcoLane app and produce more accurate reporting and billing to both RTA and RPTA.
- Furnish documentation on training for Operators and Call Center Representatives.

Transit planning and data analysis

- Reviewed financial exhibits for new IGAs and IGA amendments.
- Sun Tran marketing discussions with Sun Tran marketing team for targeted marketing campaigns for 5310 planning.
- Explored options for new over-the-road Coaches for Route 486.
- Presented Microtransit project information to the Transportation Planning Committee (TPC).
- Worked with PAG's finance and TIP programming teams on a more accurate method of coding and programming FTA grant 5311 awarded funding.
- Provided a demonstration of the copilot AI software to colleagues.
- Participated in Sun Tran meeting to discuss the Sun Shuttle service changes for August 2024.
- Conducted an internal audit of all new Sun Shuttle bus stop signs in the region.
- Helped PAG's transportation team finalize the microtransit study's scope of work and contract with Kimley-Horn.
- Added information into the Transit Team's 2024 Program Guide.

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

Strategy: Administer Mobility Management Program in partnership with ADOT under the ADOT MPD 5310 Transit Grant Agreement.

- Facilitated the Mobility Coordination Working Group held on June 25, 2024. Topics on the agenda include Asset Management – Accessibility Features, Service and Operational Provisions, and Mobile Maintenance.
- Worked on elements pertinent to the growth and development of the Ambassador Program administered by National Express.
- Attended and offered facilitation support for the National Express Ambassador's Meeting on June 27, 2024.
- Worked with ADOT/EQS to support agencies in their efforts to meet vehicle inspection compliance requirements and vehicle transfer requests.
- Ongoing development of efforts to share resources and best practices throughout the region, including those pertinent to driver training, fleet management and accessibility initiatives.
- 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.
- Provided technical support to subrecipients regarding FTA guidelines pertinent to vehicle disposals.
- Worked with ADOT to provide technical assistance and updates regarding the pending awarded non-modified vehicles in the PAG region.
- Supported subrecipients of FTA Section 5310 funding and members of the Coordinated Mobility Working Group to improve their understanding of Regional Coordination, important documentation and how to plan for the upcoming FY 2025 FTA Section 5310 Grant Cycle.

- Worked on elements related to paratransit services and clarifying compliance-related elements as per the FTA and the American Disabilities Act.
- Explored potential coordination opportunities between human service organizations and support-based services for volunteer driver programs with the aim of bridging service gaps for elderly and disabled populations outside of the fixed-route service area and ineligible for paratransit.
- Worked on efforts to enhance ADA service and operational provisions through regional coordination with public paratransit agencies and non-profits receiving 5310 funding.
- Supported subrecipients with identifying and/or developing new driver/staff training resources and exploring opportunities for the coordination of training resources to better serve the elderly and disabled populations in the region.

Strategy: Update Public Transit Human Services Coordinated Transportation Plan under the ADOT MPD 5310 Transit Grant Agreement.

- Continued development of the outline pertinent to the developmental and research-based tasks and prospective public comment initiatives pertinent to the major update to the PAG Public Transit Human Services Coordinated Transportation Plan in 2024.
- Began updates to the coordinated plan pertinent to the announcement of FTA Section 5310 preliminary awards and updates to the regional vehicle inventory list.

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

Strategy: Identify new stakeholders and coordinate group meetings/presentations throughout the region.

- Supported non-profits interested in seeking FTA Section 5310 funding and inclusion in the PAG Public Transit Human Services Coordinated Transportation Plan.

Strategy: Update Public Transit Human Services Coordinated Transportation Plan under the ADOT MPD 5310 Transit Grant Agreement.

- Began developing an outline of developmental and research-based tasks and prospective public comment initiatives pertinent to the major update to the PAG Public Transit Human Services Coordinated Transportation Plan in 2024.

Goal 19: Provide a resource where travelers can acquire real-time travel information

- 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 greater Tucson region and incorporate strategies and/or data into the Pima Find-a-Ride website and potential support for regional disaster preparedness planning.

47- MainStreet Business Outreach and RTA Project Implementation

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

- Continued providing ongoing complimentary MainStreet Business Assistance Program outreach and direct consulting services to the 3,088 businesses located on 12 major RTA projects currently in construction or design. Roadway Construction: #8, #16 (Phase 3&4), #18 (Phase 3&4). Roadway Design: #1 (Phase 2), #5 (Phase 2), #14, #15, #18 (Phase 5&6), #19 (Phase 2), #22, #25, #32 (Phase #5).

- Continued providing project update emails to current outreach area businesses with an average of 1,750 project update emails sent per month.

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.
- Jurisdictional support in the development of approved projects.