

OWP Monthly Report

December 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.
- TIP project development, including programming and monitoring new project linework of GIS mapping for the TIP database and documents.
- Continued to coordinate individually with jurisdictions to refine the 2055 RMAP project list in advance of an upcoming working group meeting.
- Continued to draft and develop components of the 2055 RMAP.
- Monitoring 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.
- Held a working group meeting to discuss and get feedback on performance measures and projects for the 2055 RMAP to achieve a fiscally constrained plan.
- Continued development of RMAP 2055 performance measure targets.
- GIS staff continued development of RMAP map templates for the plan.
- Continued GIS mapping support through development of a draft template map for the next TIP plan document for new project year ranges (2025 – 2029)
- GIS staff added line and point geometry to the RMAP database taken from input from the member agencies.
- Monitoring planning document conformance between the RMAP listing of projects and the PAG TIP listing of projects and maintaining project numbers.
- Completed calculation of 2022 NPMRDS performance measures including reliability measures, annual hours of peak hour excessive delay per capita, and percent of non-single occupancy vehicle travel measure.
- Attended AZ MPO/COG Planners meeting.

Goal 2: Establish and Implement a Performance Management Program

- GIS coordination of updates to project locations for TIP project development and selection.
- 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.
- Discussed new GHG measure development using available tools including MOVES model.

Goal 3: Title VI and Environmental Justice Planning and Compliance

- Began negotiations with a consultant to develop a Regional Active Transportation Plan
- PAG departments each contributed to an exercise summarizing each program that completes Title VI engagement and GIS, Modeling or other assessments. In addition, staff listed efforts that go above the Title VI/EJ requirements such as efforts to test and prepare to comply with J40 regulations that have interim guidance available.
- Prepared 2022 ACS 5-year estimates for Title VI analysis.
- Prepared 2022 ACS 5-year estimates for TIP socio-economic data.

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

- Began planning a second 2055 RMAP Working Group meeting to discuss and further refine the multimodal project components of the plan as part of the project list.
- Met with a working group to discuss the 2055 RMAP project list which comprises of multimodal components.
- Attended Smart Growth America's webinar "Complete Streets Power Hour."
- Continued GIS mapping support through development of a draft template map for the next RMAP plan update document and delineation of project locations.
- Continued development of printed version of Tucson Metro Bikeways Map.

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

- 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

- 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 administering the FY 2022–FY 2026 Transportation Improvement Program (TIP), including conducting meetings, preparing amendments, and HURF reimbursements.
- Supported staff activities related to conducting meetings for development of the next TIP and other TIP development tasks.

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 FY 2025–FY 2029 TIP
- Ongoing coordination process with the 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

- Continued reorganizing ArcGIS Online content and evaluated online content belonging to former PAG associates, beginning an effort to decide what objects to transfer and continue to use and what objects to archive.
- **Strategy: Develop database applications and map products.**

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.**
- Began meeting with a consultant to develop a Microtransit Study. A signed contract is pending.

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 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 to meet with a consultant to develop the PAG Regional Active Transportation Plan. A signed contract is anticipated for consideration by the Regional Council in January.

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

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

- Attended Smart Growth America's webinar "Complete Streets Power Hour."

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

- **Strategy: Provide vanpool subsidies to reduce commute costs.**
- Processed vanpool subsidy invoice for vanpool program.
- Continue to work with jurisdictional partners to refine the 2055 RMAP project list and associated multimodal components.
- Continued development of printed version of Tucson Metro Bikeways Map.
- Attended FHWA webinar on new greenhouse gas (GHG) performance measure final rule.

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.
- Continued review of PAG ABM development documentation.
- ABM exploratory tool development procurement procedure and relevant documentation.

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

- 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 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 review of PAG ABM development documentation.
- Continued the ABM exploratory tool development project literature review.

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

- Worked to finalize a contact with a consultant for PAG’s Regional Active Transportation Plan for potential Regional Council consideration in January.
- Scheduled UA project kick-off meeting and reviewed the meeting material.
- Facilitated UA project kick-off meeting and discussed the scope of the project.
- Continued DTA project procurement process.
- Continued test of DTA model development.
- Began review of 2023 traffic counts.
- Continued turning movement count estimation using a new machine learning algorithm.
- Finalized RFQ process for PAG Household Travel Study and Assessment project.
- Completed the contract and SOW documentation update of PAG Household Travel Study and Assessment project.
- Worked to finalize a contact with a consultant for PAG’s Regional Active Transportation Plan for potential Regional Council consideration in January.
- Completed review of contractor-collected traffic counts.
- Continued turning movement count estimation using a new machine learning algorithm.
- Updated Scope of Work (SOW) and prepared Request for Quote (RFQ) documents to prepare a solicitation process for PAG Household Travel Study and Assessment project.
- Wrapped up 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.
- Continued scope of work for classification of infrastructure for alternate modes of transportation from the 2023 orthophotography to aid a gap and needs assessment in coordination with the Sun Cloud portal tools.
- Continued 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.

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.
- Continued to provide updates on regional watershed priorities and local water issues for the PAG's Environmental Planning Advisory Committee (EPAC) Top Environmental Issues List for 2024.
- Continued working on annual Administrative Updates to the appendices of the PAG Areawide Water Quality Management Plan (208 Plan).
- Provided annual notice about 208 Plan Administrative Updates to the Environmental Planning Advisory Committee.
- Began data processing for December riparian health assessments for Cienega Creek and Davidson Canyon, within the Cienega Creek Natural Preserve.
- Conducted the December riparian health assessments for Cienega Creek and Davidson Canyon, in coordination with Pima County.
- Shared March and June 2023 Cienega Creek and Davidson Canyon flow lengths with the Pima County Office of Sustainability and Conservation.
- Finalized the PAG Stormwater Program Annual Summary for Fiscal Year 2022-23.
- Attended ADEQ's Surface Water Protection Stakeholder Seminar.
- Received notice from ADEQ about a draft AZPDES permit renewal for the Tucson Electric Power Company North Loop Generating Station in Marana, Arizona and determined that the renewal should not trigger a Consistency Review under PAG's 208 Plan.
- As chair of the statewide Water Quality Management Working Group (WQMWG), convened a meeting of the WQMWG to discuss a bylaws update, 604(b) Competitive Grants Update, and a provided presentation on 208 Planning Background, DPA Roles and Responsibilities with a panel. in coordination with CAG, MAG, and NACOG.
- Convened a meeting of the Stormwater Management Working Group (SWMWG), discussing ADEQ's 10-year study of discharges from large MS4s, the Town of Oro Valley's stormwater asset management system, and the results of the stormwater campaign portion of the Pima County Department of Environmental Quality's annual survey.

12 - Regional Air Quality Planning

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

- Attended EPA Multijurisdictional Organization Air Quality Transportation Emission Modeling MOVES meeting.
- Continued work to automate overall process to estimate emissions using travel model output and MOVES model.

Goal 2: Conduct a regional air quality planning program.

- Attended Sustainable Cities Network Federal Infrastructure Workgroup meeting.
- Attended Sustainable Cities Network Electric Vehicle Workgroup - EV Grant Project Workshop.
- Submitted comments to ADOT for the ADOT Carbon Reduction Program Draft Strategy.
- Attended GSA/DOE RFI for Technologies that Support Net-Zero Carbon Buildings webinar.
- Attended USDOE Overview of the Clean Fuels & Products Energy Earthshot: Alternative Sources of Carbon-Based Products webinar.
- Attended USDOE H2IQ: Hydrogen Safety Panel webinar.

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.
- Attended the Making Action Possible (MAP) Dashboard meeting for MAP Infrastructure indicator review.

- Planning staff met with EPAC chair and vice chair to review future agenda items and the annual issues list update and PAG staff solicited contributions to the issues list update from EPAC members and its subcommittee's interested parties.

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 = 304
 - Bear Canyon Trips = 289
 - Total Passengers in November = 9,723
- Executed NEXT Contract for 2024 labor agreement.
- Executed consultant agreement for 2024.
- Addressed several repair solutions for high season shuttle operations.

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.

- Resubmitted NTD Report package via FTA Appian System to address FTA analyst questions concerning agency profile and safety report.

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 14 TRP companies totaling 18,886 employees in December through the online survey tool. Granted two extensions: Atrium Hospitality and Town of Sahuarita. Attempted to reach Community Food Bank to no avail and will issue non-compliance letter in January. Raytheon data is still to be received due to collection of location information issue.

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

- Confirmed 5 of 10 seats employer representative seats for 2024-2026 Regional Task Force.
- Submitted final ADEQ billing and program activity summary for November 2023 expenses.
- Met with ADEQ Program Manager to discuss program performance and SOW for 2024-2025.
- 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

- Met with TripSpark (RidePro) representative to discuss platform functionality.

61 – Orthophotos

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

- Ortho contractors completed the 2023 flights for the GIS program.

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

Goal 5: Develop regional employment data

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

63 - Regional Modeling

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

- Continued test of PAG ABM runs for RMAP 2055.

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

- Initiated review of equity and J40 performance measures and developed a quick measure for J40 disadvantaged group roadway usage percentage using select link analysis.
- Continued review of inputs and outputs for 2055 RMAP modeling.
- Continued collection of information about known projects for 2055 RMAP employment information.
- Continued reviewing PADs for HU remaining capacity and commercial employment estimation.
- Completed update of base year special generators for 2029 TIP.
- Completed review of 2023 AOEO population estimates.
- Continue update of 2023 housing unit inventory.
- Initiated trip based TDM run process for 2029 TIP including TAZ data and roadway/transit network update.
- Attended AOEO CTS meeting.
- Facilitated PopTech meeting for RMAP update and review of population estimates.

Goal 5: Develop regional employment data

- Delivered 2021/2022 State Employment Database Update to MAG.
- Continued employment data processing optimization.

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

- Facilitated UA project kick-off meeting and discussed the scope of the project.

46 - RTA Support

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

- Continued contract compliance and monitoring for Total Ride/National Express.
- Conducted two RTA/Total Ride Operations Meetings.
- Continued work with National Express Ltd. on the transfer of Ajo transit services.
- Monitored Key Performance Indicators (KPIs) with contractor, and updated invoicing protocol.
- Worked with Total Ride/National Express to continue troubleshooting operational issues.
- Provided budgetary approval of RTA invoices from jurisdictions.
- Facilitated a series of meetings with management and operations staff of contractor to brainstorm and develop an improved operational plan to improve on-time performance for regional fixed-route services.
- Performed an internal audit of contractor invoicing and data reporting. Errors were identified and communicated to the contractor.
- Attended paratransit service Ambassadors meeting with National Express staff.

- Provided budgetary approval of RTA invoices from jurisdictions.
- Provided final expenditures and rollover budgets for transit.
- Completed transit planning and data analysis for PAG Executive Director.
- Sun Tran Marketing discussions with Sun Tran marketing team for targeted marketing campaigns for new Sun Shuttle route changes going live in February 2024.
- Monthly data reports reviewed and uploaded into the internal database.
- Facilitated Transit Working Group meeting to discuss Transit TIP project lists for fiscal years 2025 through 2029.
- Reviewed financial exhibits for new IGAs and IGA amendments.
- Continued contract compliance and monitoring for Total Ride/National Express.
- Conducted two RTA/Total Ride Operations Meetings.
- Continued work with National Express Ltd. on the transfer of Ajo transit services.
- Collaborated with Valley Metro to deliver IGA to continue Western Pima County Sun Shuttle services.
- Monitored Key Performance Indicators (KPIs) with contractor, and updated invoicing protocol.
- Worked with Total Ride/National Express to continue troubleshooting operational issues.
- Provided budgetary approval of RTA invoices from jurisdictions.
- Wrote and delivered multiple memos to various stakeholders.
- Worked with National Express to onboard the new Operations Manager.
- 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.
- Attended monthly project updates for Element I roadway projects.
- Updated TIP proposed with FY 2023 final expenditures and FY 2024 RTA TPT programming.
- Reviewed financial exhibits for new IGAs and IGA amendments.
- Continued GIS mapping support for RTA including maps for progress to date per project type.

Transit contract management and reporting

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 new Sun Shuttle route changes.
- Monthly data reports reviewed and uploaded into the internal database.
- Implemented new quarterly booklet for Sun Shuttle services.
- Attended stakeholder meetings, COA meetings, and advised the CAC on several issues.
- Facilitated Transit Working Group meeting to discuss Transit TIP project lists for fiscal years 2025 through 2029.

5310 planning

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 meeting on Dec. 14. Topics on the agenda included Regional Coordination Goals, Cost Containment Practices, Maintaining Assets in a State of Good Repair and Preparing for the FTA Section 5310 FY2025 Grant Cycle.
- Attended the Ambassador Program meeting with National Express on Dec. 6.

- Worked on elements pertinent to the growth and development of the Ambassador Program administered by National Express.
- Attended the Statewide Mobility Manager's Meeting on Dec. 7.
- Attended the COG/MPO Planner's Meeting on Dec. 8.
- Development potential funding projects pertinent to FTA Section 5310 funding for Mobility Management during the FY 2024 grant cycle.
- Worked on the development of guidelines for Personal Care Attendants and a potential certification program through PCOA.
- Worked with ADOT/EQS to support agencies in their efforts to meet vehicle inspection compliance requirements and vehicle transfer requests.
- Developed checklists and tools pertinent to taking delivery of awarded vehicles, including preparations, insurance requirements, working with vendors and vehicle inspection process during delivery.
- Worked with the Communications Team regarding the development of an FTA Section 5310 Support webpage to assist FTA Section 5310 funded agencies in the PAG region regarding compliance, collection of regional data for coordinated planning efforts and to support asset management and NTD data collection efforts.
- Ongoing development of efforts to share resources and best practices throughout the region.
- 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.
- **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.

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.**
- Met with non-profits interested in seeking FTA Section 5310 funding and inclusion in the PAG Public Transit Human Services Coordinated Transportation Plan.
- Prepared for the upcoming the Mobility Coordination Working Group Meeting tentatively scheduled for Dec. 14, 2023. Topics on the agenda include Regional Coordination Goals – New or Expanded Service, Cost Containment Practices, Maintaining Assets in a State of Good Repair, and Preparing for the FTA Section 5310 FY2025 Grant Cycle.
- Worked on the development of guidelines for Personal Care Attendants and a potential certification program through PCOA.
- 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.
- Worked with ADOT/EQS to support agencies in their efforts to meet vehicle inspection compliance requirements and vehicle transfer requests.
- **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.

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 with 12,097 project update emails sent January through December 202

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.