

# UPWP

## UNIFIED PLANNING WORK PROGRAM



FY 2022 & 2023



METROPLAN

SMART PLANNING MAKES SMART PLACES.

CARTS ■ CENTRAL ARKANSAS REGIONAL TRANSPORTATION STUDY



# UPWP FY 2022 & 2023

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## Central Arkansas REGIONAL TRANSPORTATION STUDY

Fiscal Year 2022 & 2023

Unified Planning Work Program

Prepared by

METROPLAN

Metropolitan planning organization & Council of Local Governments

In cooperation with:

United States Department of Transportation

Arkansas Department of Transportation

Rock Region METRO Transit Authority

and

|                         |                           |                            |
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| City of Austin          | City of Jacksonville      | City of Ward               |
| City of Bauxite         | City of Little Rock       | City of Wooster            |
| City of Benton          | City of Lonoke            | City of Wrightsville       |
| City of Bryant          | City of Maumelle          | Faulkner County            |
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| City of Cammack Village | City of Mount Vernon      | Lonoke County              |
| City of Conway          | City of North Little Rock | Pulaski County             |
| City of England         | City of Shannon Hills     | Saline County              |
| City of Greenbrier      | City of Sheridan*         | Bill and Hillary Clinton   |
| City of Guy             | City of Sherwood          | National Airport           |
| City of Haskell         | City of Traskwood         | Little Rock Port Authority |

May 2021

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## RESOLUTION 21-06

### ADOPTION OF THE FISCAL YEARS 2022-2023 UNIFIED PLANNING WORK PROGRAM FOR THE CENTRAL ARKANSAS REGIONAL TRANSPORTATION STUDY

**WHEREAS**, the "Fixing America's Surface Transportation Act" (FAST ACT) requires that as a condition to the receipt of financial assistance from the United States Department of Transportation for surface transportation projects in transportation management areas, projects shall be consistent with transportation plans and programs developed through a continuing and comprehensive transportation planning process carried out by the metropolitan planning organization in cooperation with the State and transit operators; and

**WHEREAS**, Metroplan is the officially designated metropolitan planning organization (MPO) for the Little Rock-North Little Rock-Conway metropolitan statistical transportation management area; and

**WHEREAS**, the attached Unified Planning Work Program (UPWP) for fiscal years 2022-2023 identifies metropolitan transportation planning activities to be undertaken in the transportation management area by staff and/or consultants of Metroplan, the Arkansas Department of Transportation, and the Rock Region METRO transit authority during the 2022 UPWP fiscal year beginning July 1, 2021 and ending June 30, 2022 and the 2023 UPWP fiscal year beginning July 1, 2022 and ending June 30, 2023; and

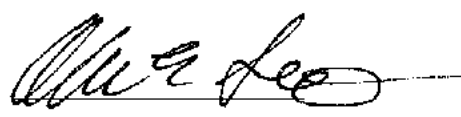
**WHEREAS**, in the judgment of the Metroplan Board of Directors the planning activities and budgets identified in the attached CARTS Fiscal Years 2022 and 2023 UPWP are consistent with the MPO's metropolitan transportation planning goals, objectives, and priorities; and has been available for public comment, in which any and all substantive public comments received have been reported to the Metroplan Board of Directors; and

**WHEREAS**, the Metroplan Board of Directors authorizes Metroplan staff to administratively adjust budgets between tasks to reflect any changes in available funding;

**NOW, THEREFORE, BE IT RESOLVED**, that as the metropolitan planning organization for central Arkansas, the Metroplan Board of Directors hereby approves and adopts this Unified Planning Work Program for Fiscal Years 2022 and 2023, for the Central Arkansas Regional Transportation Study.

Duly recorded this 8<sup>th</sup> day of June 2021.

SIGNED:   
Doug Erwin, President  
Judge, Lonoke County

ATTEST:   
Allen Scott, Secretary-Treasurer  
Mayor, City of Bryant

FISCAL YEAR 2020 UNIFIED PLANNING WORK PROGRAM  
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## ■ INTRODUCTION

### The Unified Planning Work Program (UPWP)

The Unified Planning Work Program describes the transportation planning activities Metroplan, the Arkansas Department of Transportation ( ArDOT) and Rock Region METRO propose to undertake.

The purpose of the UPWP is to promote a unified regional approach to transportation planning in order to achieve regional goals and objectives. Additionally, the UPWP serves to document proposed expenditures of Federal, State and local transportation planning funds, and provides a management tool for Metroplan and the funding agencies in scheduling major transportation planning activities, milestones, and products.

The UPWP is required of all metropolitan planning organizations (MPOs) as a condition to receiving federal funds. Metroplan is the federally designated MPO for Central Arkansas.

### Two Year UPWP

This UPWP is adopted for AR Fiscal Years 2022 and 2023. The two-year time period allows for enhanced sequencing of projects and transportation planning within the CARTS Study Area. It also aligns with the two-year election of Metroplan Board Officers and regional priorities determined under their leadership. The priorities and tasks will be reviewed at the end of fiscal year 2022 to determine any changes that are required. The 2023 budget will also be updated pending final determination of federal transportation planning funds.

### Metroplan and the CARTS Planning Process

The CARTS transportation planning structure is illustrated in **Figure 1** on the next page. Metroplan is a council of local governments and the designated Metropolitan planning organization (MPO) for the Little Rock-North Little Rock-Conway Metropolitan Statistical Area (MSA). ArDOT and Rock Region METRO are partners with Metroplan in the CARTS planning process. Metroplan membership is restricted to municipal and county governments in the MSA, ArDOT, Rock Region METRO, Little Rock Port Authority, and the Bill & Hillary Clinton National Airport.

#### **The UPWP fulfills the federal requirement under 23 CFR §450.308:**

*(b) An MPO shall document metropolitan transportation planning activities performed with funds provided under title 23 U.S.C. and title 49 U.S.C. Chapter 53 in a unified planning work program (UPWP) . . .*

*(c) . . . each MPO, in cooperation with the State(s) and public transportation operator(s), shall develop a UPWP that includes a discussion of the planning priorities facing the MPA. The UPWP shall identify work proposed for the next 1- or 2-year period by major activity and task (including activities that address the planning factors in §450.306(b)), in sufficient detail to indicate who (e.g., MPO, State, public transportation operator, local government, or consultant) will perform the work, the schedule for completing the work, the resulting products, the proposed funding by activity/task, and a summary of the total amounts and sources of Federal and matching funds.*



MPO decision-making authority resides with the Metroplan Board of Directors. Metroplan member governments, ARDOT, Rock Region METRO, Little Rock Port Authority, and Clinton National Airport have voting representation on the Metroplan Board. Local jurisdictions that have approved and submitted a Resolution of Participation in the CARTS process are identified on the title page of this document. Current voting members of the Metroplan Board of Directors are identified following the title page. **Figure 2** illustrates the location of local government jurisdictions within the Little Rock-North Little Rock-Conway MSA and CARTS transportation planning and management area.

FIGURE 1. CARTS PLANNING STRUCTURE

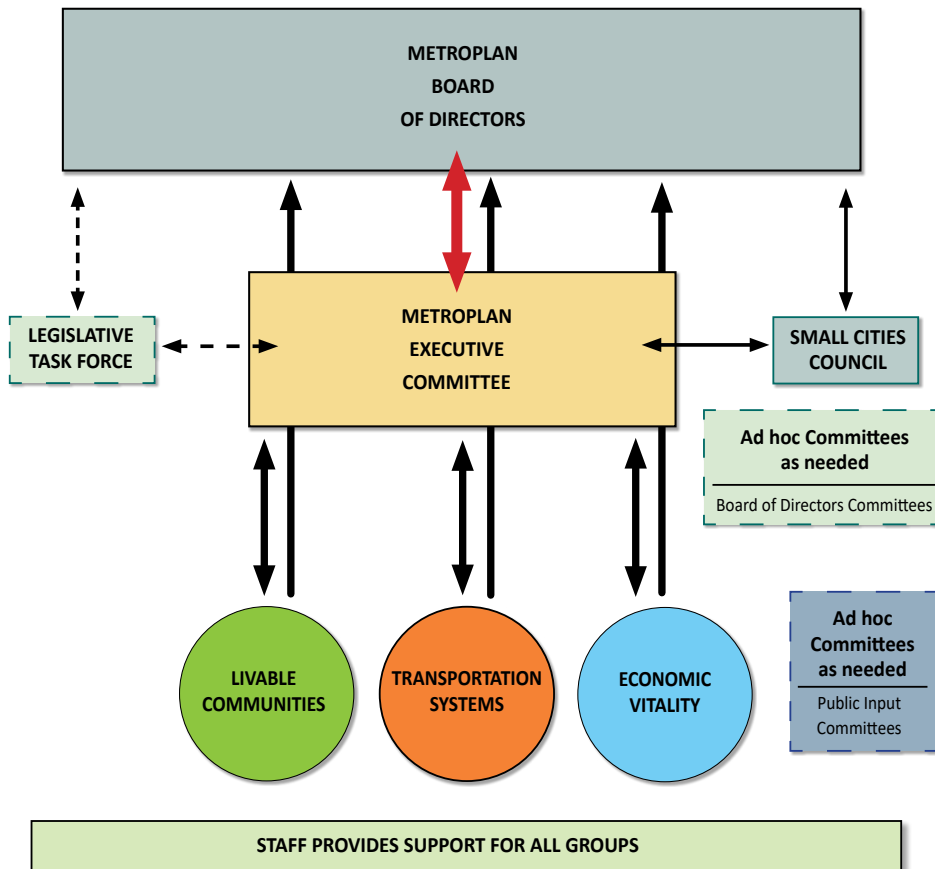
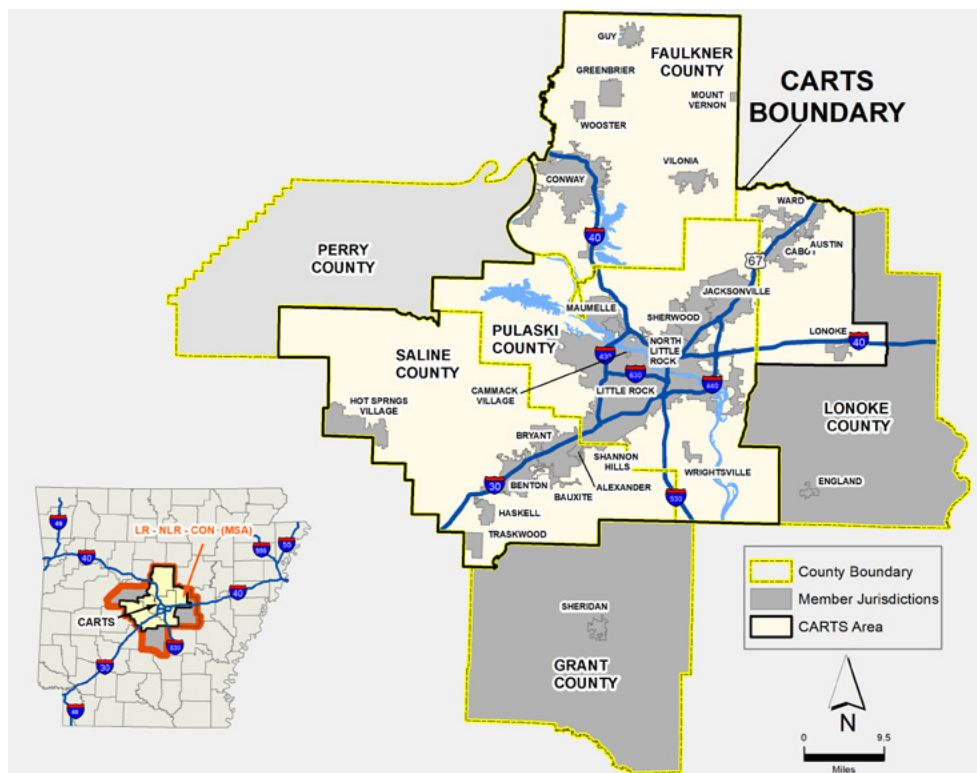




FIGURE 2. CENTRAL ARKANSAS REGIONAL TRANSPORTATION STUDY



### Metropolitan Planning Factors

The 2015 Fixing America's Surface Transportation Act (FAST ACT) continues the principles of integrated planning first set forth in 1992 with the Intermodal Surface Transportation Efficiency Act

Under the FAST Act, MPOs must consider ten (10) planning factors when developing transportation plans and programs.

1. Support the economic vitality of the Metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;
2. Increase the safety of the transportation system for motorized and non-motorized users;
3. Increase the security of the transportation system for motorized and non-motorized users;
4. Increase the accessibility and mobility of people and freight;
5. Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;
6. Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
7. Promote efficient system management and operation;
8. Emphasize the preservation of the existing transportation system;
9. Improve the resiliency and reliability of the transportation system and reduce or mitigate storm water impacts of surface transportation; and
10. Enhance travel and tourism.

## UPWP FY 2022 & 2023

Development of this FY 2022 & 2023 UPWP has been guided by regulations requiring the CARTS planning process to consider and implement projects, strategies, and services that address these ten Metropolitan planning factors. Each of these planning factors affects nearly every task; the degree of consideration and analysis is based on the scale and complexity of many issues, including transportation system development, land use, employment, economic development, human and natural environment, and housing and community development (23 CFR 450.306(b)). The matrix on page 6 summarizes the applicability of each Metropolitan planning factor to the 2022 & 2023 work program tasks.

### 2022-2023 Planning Priorities

Planning priorities for the CARTS Study Area are a combination of federal, state, and local emphasis areas. The following priorities have been determined by the implementing agency.

#### 2022-2023 METROPLAN Planning Priorities

|   | <b>Tasks</b>     | <b>Anticipated/Completion Schedule:</b> |
|---|------------------|---|
| Metropolitan Transportation Plan                                    | 20               | Dec 2022                                |
| Regional Pathways Plan  | 22               | Oct 2022                                |
| Incorporation of Census Data into Regional GIS and CARTS TDM        | 11, 12, & 21     | June 2023                               |
| Congestion Management Plan  | 41               | June 2023                               |
| Small Cities Model Code Implementation                              | 10               | Code Dec 2021                           |
| LR Port South Loop Study  | 24               | Dec 2022                                |
| Updated Regional Performance Measures                               | 40, 41, 42, & 43 | Dec 2022                                |
| 2023 – 2026 CARTS TIP   | 50               | June 2022                               |
| Implementation of Recommendations from Federal Certification Review | Various          | June 2023                               |

#### 2022-2023 ARDOT Planning Priorities

|  | <b>Tasks</b> | <b>Anticipated/Completion Schedule:</b> |
|--|--------------|---|
| Identification of Critical Freight Corridors | 40           |   |

#### 2022-2023 Rock Region METRO Planning Priorities

|   | <b>Tasks</b> | <b>Anticipated/Completion Schedule:</b> |
|---|--------------|---|
| Phase 2 River Cities Travel Center TOD Design | 42           | January 2023                            |
| Southwest Little Rock TOD Study               | 42           | April 2022                              |
| Little Rock Bus Rapid Transit Study           | 42           | April 2023                              |

## FISCAL YEAR 2021 ACCOMPLISHMENTS

The following summarizes work produced and planning activities performed during FY 2021 to implement the approved CARTS planning projects and consultant tasks listed below. Ongoing work program tasks, such as routine project administration, are not included in this summary and only major accomplishments are listed.

### Project 44-21.00 Program Support and Administration

- Federal Certification Review
- Adopted *Title VI and LEP Plan*
- Published *2022-2023 UPWP*
- Office Operations for COVID-19

### Project 44-22.00 General Development and Comprehensive Planning

- Published MetroTrends magazines: *Economic Review and Outlook* and *Demographic Review and Outlook*
- Published initial *Best Practices Newsletter*
- GIS Maintenance in support of planning activities

### Project 44-23.00 Long-Range Transportation Planning

- Adopted Amendment to *Central Arkansas 2050* in association with new TIP
- Developed 5 Themes for the MTP for Public Outreach
- Developed draft Small Cities Model Code Ordinance
- Completion of Hwy 107 Study and nearing completion of East-West Connector Study

### Project 44-24.00 Short-Range Transportation Planning

- Completion of CARTS Accessibility Infrastructure Guidelines
- Oversaw Ozone Action Days public awareness campaign and education
- Transit Oriented Development Study

### Project 44-25.00 Transportation Improvement Program

- Adopted 2021-2024 CARTS TIP
- Developed new evaluation process and selected STBG and HIP Projects

TABLE 1. PLANNING FACTORS AND TASK MATRIX

| CARTS FY 2020 UNIFIED PLANNING WORK PROGRAM                      | METROPOLITAN PLANNING FACTORS |        |          |               |             |              |            |              |             |         |
|--|-------------------------------|--------|----------|---------------|-------------|--------------|------------|--------------|-------------|---------|
|  | 1                             | 2      | 3        | 4             | 5           | 6            | 7          | 8            | 9           | 10      |
| PROJECT TASKS  | Economic                      | Safety | Security | Accessibility | Environment | Connectivity | Management | Preservation | Storm Water | Tourism |
| <b>44.21.00 PROGRAM SUPPORT AND ADMINISTRATION</b>               |                               |        |          |               |             |              |            |              |             |         |
| 1. Work Program Development and Administration                   | X                             | X      |          | X             |             | X            |            |              |             |         |
| 2. Public Information & Citizen Participation                    |                               |        | X        |               | X           |              |            |              |             | X       |
| <b>44.22.00 GENERAL DEVELOPMENT &amp; COMPREHENSIVE PLANNING</b> |                               |        |          |               |             |              |            |              |             |         |
| 10. Technical Assistance to Local Governments                    | X                             | X      | X        | X             | X           | X            | X          |              | X           | X       |
| 11. Geographical Information System Graphics and Mapping         |                               |        |          |               | X           | X            |            |              | X           |         |
| 12. Land Use/Socioeconomic Data Development                      | X                             |        |          |               | X           |              |            |              |             |         |
| <b>44.23.00 LONG-RANGE TRANSPORTATION PLANNING</b>               |                               |        |          |               |             |              |            |              |             |         |
| 20. Metropolitan Transportation Plan                             | X                             | X      | X        | X             | X           | X            | X          | X            | X           | X       |
| 21. Travel Demand Modeling and Emissions Analysis                |                               |        |          | X             | X           | X            | X          | X            |             |         |
| 22. Strategic Regional Network                                   | X                             | X      | X        | X             | X           | X            | X          | X            | X           | X       |
| 23. Sustainable Transportation Strategies                        | X                             | X      |          | X             | X           | X            | X          | X            | X           | X       |
| 24. Studies Related to Major Transportation Investments          | X                             | X      | X        | X             | X           | X            | X          | X            | X           | X       |
| <b>44.24.00 SHORT-RANGE TRANSPORTATION PLANNING</b>              |                               |        |          |               |             |              |            |              |             |         |
| 40. Traffic Monitoring & Analysis of Existing Conditions         | X                             | X      |          | X             | X           | X            | X          | X            | X           | X       |
| 41. Traffic Congestion & Safety Planning                         | X                             | X      |          | X             | X           | X            | X          | X            | X           | X       |
| 42. Public Transport, Goods Movement & Intermodal Planning       | X                             | X      | X        | X             | X           | X            | X          | X            | X           | X       |
| 43. Facility Maintenance, Preservation & Enhancement Planning    | X                             | X      |          | X             | X           | X            | X          | X            | X           | X       |
| 44. Air Quality Planning & Public Awareness                      | X                             | X      |          |               | X           |              |            |              |             | X       |
| 45. Intelligent Transportation Systems                           | X                             | X      | X        | X             | X           | X            | X          | X            | X           | X       |
| <b>44.24.00 TRANSPORTATION IMPROVEMENT PROGRAM</b>               |                               |        |          |               |             |              |            |              |             |         |
| 50. TIP Development, Project Selection & Monitoring              | X                             | X      | X        | X             | X           | X            | X          | X            | X           | X       |

## UPWP FY 2022 & 2023

### ■ FISCAL YEAR 2022 & 2023 PROJECT TASK DESCRIPTIONS

CARTS planning activities are divided into five major planning projects taken from the Federal Transit Act, Section 5303, Metropolitan Planning Program, grant categories. Funding sources for CARTS planning activities include a combination of federal transit and highway programs. While UPWP tasks may change from year to year, UPWP projects tend to remain the same.

The following pages describe each task, including its purpose, agency or agencies responsible for carrying out the work, and expected results.

Below is a list of the projects and tasks, and the total budgeted for each project. For details, schedules and responsibilities, see the individual task descriptions beginning on the next page. Resources allocations and the planning project budgets of Metroplan, ARDOT, and Rock Region METRO are identified beginning on page 27.

| Project Number   | Title   | Total Budgeted Amount |                    |
|------------------|---|-----------------------|--------------------|
|                  |   | 2022                  | 2023               |
| <b>#44.21.00</b> | <b>■ PROGRAM SUPPORT &amp; ADMINISTRATION</b>               | <b>\$380,000</b>      | <b>\$380,000</b>   |
| Task 1           | Work Program Development and Administration                 |                       |                    |
| Task 2           | Public Information and Citizen Participation                |                       |                    |
| <b>#44.22.00</b> | <b>■ GENERAL DEVELOPMENT &amp; COMPREHENSIVE PLANNING</b>   | <b>\$455,000</b>      | <b>\$455,000</b>   |
| Task 10          | Technical Assistance to Local Governments                   |                       |                    |
| Task 11          | Geographical Information System, Graphics, & Mapping        |                       |                    |
| Task 12          | Land Use/Socioeconomic Data Development                     |                       |                    |
| <b>#44.23.00</b> | <b>■ LONG-RANGE TRANSPORTATION PLANNING</b>                 | <b>\$1,350,000</b>    | <b>\$1,090,000</b> |
| Task 20          | Metropolitan Transportation Plan                            |                       |                    |
| Task 21          | Travel Demand Modeling & Emissions Analysis                 |                       |                    |
| Task 22          | Strategic Regional Network                                  |                       |                    |
| Task 23          | Sustainable Transportation Strategies                       |                       |                    |
| Task 24          | Major Transportation Investment Planning (Corridor Studies) |                       |                    |
| <b>#44.24.00</b> | <b>■ SHORT-RANGE TRANSPORTATION PLANNING</b>                | <b>\$985,000</b>      | <b>\$1,295,000</b> |
| Task 40          | Traffic Monitoring & Analysis of Existing Conditions        |                       |                    |
| Task 41          | Traffic Congestion & Safety Planning                        |                       |                    |
| Task 42          | Public Transportation, Goods Movement & Intermodal Planning |                       |                    |
| Task 43          | Facility Maintenance, Preservation & Enhancement Planning   |                       |                    |
| Task 44          | Air Quality Planning & Public Awareness                     |                       |                    |
| Task 45          | Intelligent Transportation Systems                          |                       |                    |
| <b>#44.24.00</b> | <b>■ TRANSPORTATION IMPROVEMENT PROGRAM</b>                 | <b>\$75,000</b>       | <b>\$75,000</b>    |
| Task 50          | TIP development, Project Selection & Monitoring             |                       |                    |

■ 44.21.00 PROGRAM SUPPORT AND ADMINISTRATION

**Task #1 Work Program Development & Administration**

**Purpose:**

- 1) Prepare and administer the UPWP.
- 2) Support MPO, Regional Advisory Committees, and subcommittee meetings.

**Method:**

Metroplan, ARDOT, and Rock Region METRO staff will cooperatively develop and administer the UPWP, and coordinate CARTS planning activities and committee meetings in compliance with UPWP funding agencies. ARDOT staff is assigned primary responsibility for coordinating the CARTS planning process with the statewide planning process. Rock Region METRO staff is assigned primary responsibility for coordinating Rock Region METRO's transit planning activities with the CARTS and statewide planning processes.

| <i>Expected Results/Product:</i>                                | <i>Anticipated Completion Schedule:</i> |
|---|---|
| <b>Metroplan</b>  |   |
| 1. Administer CARTS FY 2022 & 2023 UPWP                         | Ongoing                                 |
| 2. Prepare and publish the CARTS FY 2024 & 2025 UPWP            | May/June 2023                           |
| 3. Coordinate consultant-related activities                     | As Needed                               |
| 4. Modify UPWP role and responsibilities                        | As Needed                               |
| <b>ARDOT</b>  |   |
| 1. Coordinate ARDOT's planning process within CARTS             | Ongoing                                 |
| <b>Rock Region METRO</b>  |   |
| 1. Coordinate Rock Region METRO's planning process within CARTS | Ongoing                                 |

■ 44.21.00 PROGRAM SUPPORT AND ADMINISTRATION

**Task #2 Public Information & Citizen Participation**

**Purpose:**

- 1) Disseminate public information regarding CARTS activities and current issues in metropolitan transportation planning.
- 2) Encourage and document citizen participation in the development of CARTS' transportation plans, programs and policies via the approved CARTS Public Participation Plan. Metroplan's public participation process also satisfies Rock Region METRO's public process.

**Method:**

Metroplan, ArDOT, and Rock Region METRO staff will coordinate to: (1) disseminate public information; (2) encourage citizen participation (including low-income and minority households, in compliance with the Executive Order on Environmental Justice); (3) consult with interested parties, and (4) facilitate and document public involvement in the CARTS planning process. ArDOT and Rock Region METRO staffs are primarily responsible for soliciting public input regarding their planning activities, consistent with their public participation policies.

| <b>Expected Results/Product:</b>  | <b>Anticipated Completion Schedule:</b> |
|---|---|
| <b>Metroplan</b>  |   |
| 1. Implement and document public information and citizen participation  | Ongoing                                 |
| 2. Modify/update <i>CARTS Public Participation Plan</i> and <i>Title VI Program and LEP Plan</i> as part of the long range plan update  | As Needed                               |
| 3. Publish Metroplan reports  |   |
| • <i>Metroplan Annual Report</i>  | Spring                                  |
| • Others  | As Needed                               |
| 4. Maintain and constantly update Metroplan archives  | Ongoing                                 |
| 5. Maintain Metroplan websites ( <a href="http://Metroplan.org">Metroplan.org</a> , <a href="http://ozoneactiondays.org">ozoneactiondays.org</a> , <a href="http://arkansasrivertail.org">arkansasrivertail.org</a> , others) | Ongoing/As Needed                       |
| 6. Implement/administer any changes to the MPO organization structure, as needed  | As Needed                               |
| <b>ArDOT</b>  |   |
| 1. Solicit public input for ArDOT-led planning activities within CARTS  | Ongoing/As Needed                       |
| <b>Rock Region METRO</b>  |   |
| 1. Solicit public input for Rock Region METRO planning within CARTS   | Ongoing/As Needed                       |

**44.22.00 GENERAL DEVELOPMENT & COMPREHENSIVE PLANNING**

**Task #10 Technical Assistance to Local Governments**

**Purpose:**

- 1) Assist local governments with planning activities integral to the comprehensively planned development of the CARTS area.
- 2) Assist in bringing local plans, regulations and ordinances into conformity with the long-range metropolitan transportation plan.

**Method:**

Consistent with MPO priorities and policies, Metroplan staff may provide technical assistance requested by a member government to complete local planning activities integral to the comprehensively planned development of the CARTS area. Consistent with statewide planning priorities, ArDOT staff may also provide planning assistance to CARTS area local governments.

| <i>Expected Results/Product:</i>   | <i>Anticipated Completion Schedule:</i> |
|--|---|
| <b>Metroplan</b>   |   |
| 1. Provide mapping and other technical assistance to CARTS area local governments  | Ongoing                                 |
| 2. Update local plans and ordinances necessary to conform to regional goals  | Ongoing/As Requested                    |
| 3. Conduct technical studies for member jurisdictions, which may include field data collection; inter-regional coordination; municipal annexation/incorporation; traffic; transit, parking, population, housing, environmental, and/or signal warrants                     | As Requested                            |
| 4. Develop or revise comprehensive and general plans, master street plans, land use plans, zoning ordinances and maps, subdivision regulations and design standards, bikeway and pedestrian system plans, public transit service plans, and other community facility plans | As Requested                            |
| 5. Other CARTS Area local government planning activities   | As Requested                            |
| 6. Provide staff support to the Small Cities Council. (1) Assist jurisdictions with the application of model ordinances supporting LRMTTP goals. (2) Conduct training sessions to planning commissions and others.   | Code December 2021<br>Ongoing           |



**44.22.00 GENERAL DEVELOPMENT & COMPREHENSIVE PLANNING**

**Task #11 Geographical Information System, Graphics & Mapping**

**Purpose:**

- 1) Map and analyze appropriate spatial features and attributes in and near the Metropolitan Statistical Area (MSA).
- 2) Maintain and improve digital computing and related technical capabilities.
- 3) Produce, print, plot, display, publish, acquire, and maintain data, documents, digital imagery, illustrations and maps.

**Method:**

As needed, Metroplan staff will develop and manage digital computing facilities; employ desktop publishing and visual presentation/multi-media systems; collect and utilize digital imagery and GPS location data, as well as U.S. Census and other spatially referenced data in developing and maintaining an Arc/GIS™-based geographical information system (GIS) covering the MSA and CARTS Area.

| <b>Expected Results/Product:</b>   | <b>Anticipated Completion Schedule:</b> |
|--|---|
| <b>Metroplan</b>   |   |
| 1. Maintain and enhance digital computing and communications, internet sites, and related technical capabilities                           | Ongoing                                 |
| 2. Continue development of an Arc/GIS™-based GIS covering the MSA and CARTS Area   | Ongoing                                 |
| 3. Manage and improve Metroplan's local area network (LAN) and internet capabilities, including digital data storage, security & backup    | Ongoing                                 |
| 4. Produce, display and publish CARTS area data, documents, illustrations, and maps; provide GIS support for the CARTS Travel Demand Model | Ongoing                                 |
| 5. Provide spatial decision mapping support for other UPWP tasks   | Ongoing/As Needed                       |
| 6. Provide GIS and mapping assistance to CARTS area local governments  | Ongoing/As Requested                    |
| 7. Utilize GIS to set goals, assist, and monitor a performance-based planning program  | Ongoing                                 |

**44.22.00 GENERAL DEVELOPMENT & COMPREHENSIVE PLANNING**

**Task #12 Land Use/Socioeconomic Data Development**

**Purpose:**

Efforts for this task will be associated with the development of scenarios for the long-range transportation plan.

- 1) Provide the CARTS planning process with data analysis of regional economic and demographic trends, population and employment forecasts.
- 2) Further develop the Metroplan Data Center.
- 3) Provide timely and reliable information characterizing land use and socioeconomic conditions and trends for the MSA and CARTS Area.

**Method:**

As needed, MPO staff will coordinate with CARTS committees and data providers to: (1) collect, develop, maintain, analyze and document land use and socio-economic data; (2) provide data support for and coordinate with other UPWP activities; and (3) prepare and publish technical reports and analyses.

| <b>Expected Results/Product:</b>  | <b>Anticipated Completion Schedule:</b> |
|---|---|
| <b>Metroplan</b>  |   |
| 1. Develop, analyze, maintain and document land use and socio-economic data characterizing MSA and CARTS area conditions and trends | Ongoing                                 |
| 2. Develop and refine socioeconomic data for use in the CARTS and Statewide Travel Demand Models                                    | Ongoing                                 |
| 3. Incorporate 2020 Census Results into Socioeconomic Data and Land Use Planning  | As Available                            |
| 4. Develop 2030 demographic projections for Central Arkansas 2050 plan update   | Summer 2020                             |
| 5. Publish two <i>MetroTrends</i> magazines:  |   |
| • <i>Yearly Economic Review and Outlook</i>   | Fall                                    |
| • <i>Yearly Demographic Review and Outlook</i>  | Spring                                  |
| 6. Publish semi-annual <i>Best Practices Newsletter</i>   | Winter/Summer                           |
| 7. Provide support for other UPWP tasks   | Ongoing                                 |

## ■ 44.23.00 LONG-RANGE TRANSPORTATION PLANNING

### Task #20 Metropolitan Transportation Plan

**Purpose:**

To prepare a new regional long-range metropolitan transportation plan (LRMTP)

**Method:**

In accordance with Metroplan policy and applicable federal regulations, Metroplan will coordinate and undertake various activities to update the metropolitan transportation plan in consultation and coordination with ArDOT and Rock Region METRO staffs. The existing plan will be monitored and amended as necessary.

| <i>Expected Results/Product:</i>  | <i>Anticipated Completion Schedule:</i> |
|---|---|
| <b>Metroplan</b>  |   |
| 1. Complete development of the new LRMTP  | Winter 2022                             |
| 2. Satisfactory progress in monitoring and implementing the LRMTP   | Ongoing                                 |
| 3. Conduct public engagement for the new LRMTP  | Throughout FY 2022 & 2023               |
| 4. Update financial assumptions to ensure consistency with TIP  | Throughout FY 2022 & 2023               |
| 5. Coordinate with ArDOT and Rock Region METRO on Regional Performance Measures                                     | Ongoing                                 |
| 6. Process requests for LRMTP amendments  | As Needed                               |
| 7. Develop model ordinances supporting LRMTP goals  | December 2021                           |
| <b>ArDOT</b>  |   |
| 1. Support MPO in LRMTP update  | Ongoing                                 |
| 2. Consider the impact of recommendations from various studies on LRMTP, in association with ArDOT planning efforts | Ongoing                                 |
| 3. Evaluate the impact of performance measure targets on ArDOT long-term planning efforts                           | Ongoing                                 |
| 4. Implement <i>Statewide Long-Range Intermodal Transportation Plan</i>   | Ongoing                                 |
| <b>Rock Region METRO</b>  |   |
| 1. Support Metroplan in LRMTP update  | Ongoing                                 |
| 2. Review LRMTP in association with Rock Region METRO planning efforts  | Ongoing                                 |
| 3. Evaluate the impact of performance measure targets on Rock Region METRO's long-term planning efforts             | Ongoing                                 |

■ 44.23.00 LONG-RANGE TRANSPORTATION PLANNING

**Task #21 Travel Demand Modeling & Emissions Analysis**

**Purpose:**

- 1) Simulate existing and future travel demand.
- 2) Effectively model, analyze, and document multi-modal transportation networks.
- 3) Estimate on-road motor-vehicle emissions, as needed.
- 4) Incorporate data from the 2020 Census into the CARTS Model.

**Method:**

- 1) Metroplan and ARDOT will cooperatively utilize the CARTS travel demand model; prepare, analyze and document network-based travel forecasts, as needed; and undergo training in the use of travel demand modeling and emissions analysis tools.
- 2) Process socioeconomic data from the 2020 census to update the base-year model.

| <b>Expected Results/Product:</b>   | <b>Anticipated Completion Schedule:</b> |
|--|---|
| <b>Metroplan</b>   |   |
| 1. Maintain and implement the CARTS Travel Demand Model  | Ongoing                                 |
| 2. Oversee consultant use of the CARTS Travel Demand Model   | Ongoing                                 |
| 3. Provide forecasts for regional studies  | Ongoing/As Requested                    |
| 4. Incorporate results of 2020 Census into CARTS Travel Demand Model   | Summer 2022                             |
| <b>ARDOT</b>   |   |
| 1. Assist with maintenance/implementation of the CARTS Travel Demand Model   | Ongoing                                 |
| <b>Rock Region METRO</b>   |   |
| 1. Provide route modification suggestions to Metroplan and ARDOT staffs for incorporation into respective travel demand models | Ongoing/As Needed                       |

## ■ 44.23.00 LONG-RANGE TRANSPORTATION PLANNING

### Task #22 Strategic Regional Network

**Purpose:**

- 1) Plan for CARTS area freeways, regional arterials, regional transit improvements, and regional bikeway and pedestrian systems in support of the LRMTTP update.
- 2) Optimize the efficiency of the existing transportation networks.

**Method:**

- 1) Metroplan, ARDOT, and Rock Region METRO staffs will coordinate with CARTS committees on projects of regional significance. Metroplan staff will be primarily responsible for coordinating projects on the Regional Arterial Network (RAN) with affected municipalities and ARDOT (on state highways). ARDOT will coordinate with Metroplan staff on freeway projects. Rock Region METRO will coordinate with Metroplan on transit projects of regional significance.
- 2) Bicycle and pedestrian transportation planning: Metroplan will develop a new regional bikeway plan focusing on implementation within the next 10 years

| <i>Expected Results/Product:</i>   | <i>Anticipated Completion Schedule:</i> |
|--|---|
| <b>Metroplan</b>   |   |
| 1. Oversee and conduct follow-up studies or analyses of proposed RAN projects  | Ongoing/As Needed                       |
| 2. Conduct long-range regional bike and pedestrian planning (update regional plan)<br>• Regional Bikeways/Multi-use Paths Plan   | Ongoing<br>Summer 2022                  |
| 3. Conduct other long-range regional freeway or RAN corridor planning in consultation with ARDOT   | As Needed                               |
| 4. Conduct other strategic regional network planning in support of Task 20   | Ongoing/As Needed                       |
| 5. Consult, cooperate, and assist local governments and CARTS committees on city and regional bike plans. Coordinate with Hot Springs MPO on the Southwest Trail alignment and construction. | Ongoing/As Needed                       |

■ 44.23.00 LONG-RANGE TRANSPORTATION PLANNING

*Task #22 Strategic Regional Network, continued*

|  |  |         |
|--|--|---------|
| <b>ArDOT</b>   |  |         |
| 1. Continue the evaluation of federal-aid maintenance needs and cost estimates, including system infrastructure performance measures, jointly with Metroplan |  | Ongoing |
| <b>Rock Region METRO</b>   |  |         |
| 1. Develop long-term implementation strategies from <i>Move Central Arkansas</i>   |  | Ongoing |

| Consultant Studies      | Total Contract Amount | Estimated Expenditure |          |
|-------------------------|-----------------------|-----------------------|----------|
|                         |                       | FY 2022               | FY 2023  |
| Regional Pathways Study | \$400,000             | \$325,000             | \$25,000 |

*Task #23 Sustainable Transportation Strategies*

**Purpose:**

Increase the livability of the region by developing and advancing sustainable transportation strategies, Jump Start implementation strategies, all consistent with the goals and objectives of *Central Arkansas 2050*.

**Method:**

Metroplan will participate in regional collaborations that promote sustainable transportation strategies.

| <b>Expected Results/Product:</b>  | <b>Anticipated Completion Schedule:</b> |
|---|---|
| <b>Metroplan</b>  |   |
| 1. Administer Jump Start plans  | As Needed                               |
| 2. Participate in Healthy Active Arkansas and other stakeholder groups                                  | Ongoing                                 |
| 3. Promote sustainability practices from <i>Central Arkansas 2050</i> to the general stakeholder groups | Ongoing                                 |
| 4. Promote transit-oriented developments as a strategy to increase transit ridership                    | Ongoing                                 |
| 5. Perform any other activities required to develop and advance sustainable transportation strategies   | As Needed                               |

## ■ 44.23.00 LONG-RANGE TRANSPORTATION PLANNING

### *Task #24 Studies Related To Major Transportation Investments (Corridor Studies)*

**Purpose:**

Cooperatively perform corridor/subarea studies related to major transportation investments within the region. These studies will be used to determine the need for a major investment study (MIS) or to address issues left unresolved by a MIS or a major transportation investment and may involve the application of access management techniques.

**Method:**

As needed, ARDOT, Metroplan, or Rock Region METRO may cooperatively undertake corridor/subarea planning activities to determine the need for a MIS or otherwise related to a major transportation investment.

| <i>Expected Results/Product:</i>                                    | <i>Anticipated Completion Schedule:</i> |
|---|---|
| <b>Metroplan</b>  |   |
| 1. Multi-modal corridor studies                                     |   |
| a. Little Rock South Loop Study                                     | Summer 2022                             |
| b. Additional Studies   | As Requested                            |
| <b>ARDOT</b>  |   |
| 1. Satisfactory progress on the following corridor studies          | Ongoing                                 |
| a. North Pulaski County Corridor Study                              | Fall 2021                               |
| b. Kiehl/Brockington/Hwy 67 Intersection Study                      | 2021                                    |
| c. Highway 300/Colonel Glenn from Bowman to Highway 5 (Little Rock) | 2021                                    |
| d. Highway 35 from I-30 to Military Road (Benton)                   | 2021                                    |
| e. Highway 319 Connector  | 2021                                    |
| f. Highway 70 (Broadway) Study                                      | 2021                                    |
| g. Additional Studies as requested                                  | Ongoing                                 |

| <b>Consultant Studies</b>         | Total Contract Amount | Estimated Expenditure |           |
|-----------------------------------|-----------------------|-----------------------|-----------|
|                                   |                       | FY 2022               | FY 2023   |
| Little Rock Port Study/South Loop | \$200,000             | \$200,000             | \$0       |
| Various Consultant Studies        | \$600,000             | \$200,000             | \$400,000 |

■ 44.24.00 SHORT-RANGE TRANSPORTATION PLANNING

**Task #40 Traffic Monitoring & Analysis of Existing Conditions**

**Purpose:**

Identify and analyze existing and near-term transportation system and travel conditions in the CARTS area and monitor deployment of network optimization strategies.

**Method:**

ArDOT staff will coordinate traffic data collection for the CARTS area and provide data to Metroplan, Rock Region METRO, local governments, and others. Metroplan staff will develop an "existing conditions report" to support these efforts, and report on regional performance measures.

| <i>Expected Results/Product:</i>   | <i>Anticipated Completion Schedule:</i> |
|--|---|
| <b>ArDOT</b>   |   |
| 1. Collect traffic volume, vehicle classification, vehicle speed, vehicle registration, and Highway Performance and Monitoring System (HPMS) data  | Ongoing                                 |
| 2. Collect and provide traffic data in support of other UPWP activities  | Ongoing                                 |
| 3. Prepare, publish and distribute traffic-related data and technical reports  | Ongoing                                 |
| <b>Metroplan</b>   |   |
| 1. Satisfactory progress in collecting and reporting traffic related data, and publication of appropriate data and technical reports identifying and analyzing existing and near-term CARTS area transportation system and travel conditions | Ongoing                                 |
| 2. Develop applicable regional performance measures  | Biennial                                |



■ 44.24.00 SHORT-RANGE TRANSPORTATION PLANNING

**Task #41 Traffic Congestion & Safety Planning**

**Purpose:**

- 1) Further develop and implement the CARTS area system reliability by advancing travel demand reduction and operational management strategies.
- 2) Address CARTS area surface transportation safety concerns as needed.

**Method:**

- 1) Traffic Congestion/System Reliability: ArDOT, Rock Region METRO and Metroplan staff will coordinate and cooperate to further develop, implement, and report the CARTS area System Reliability Measures and Congestion Measures.
- 2) Transportation Safety: As needed, ArDOT, Rock Region METRO and Metroplan staff will coordinate and cooperate to address surface transportation safety concerns in the CARTS area.

| <b>Expected Results/Product:</b>   | <b>Anticipated Completion Schedule:</b> |
|--|---|
| <b>ArDOT</b>   |   |
| 1. Complete operations studies and safety studies, in coordination with Metroplan staff and local governments      | As Requested                            |
| 2. Provide public information regarding ArDOT-operated park/ride facilities  | Ongoing                                 |
| 3. Consider safety concerns with respect to state highway system incident management in the CARTS area             | Ongoing                                 |
| <b>Metroplan</b>   |   |
| 1. Monitor regional performance measures   | Ongoing                                 |
| 2. Develop new CARTS Congestion Management Process (CMP) and integrate with system reliability performance measure | Spring 2023                             |
| 3. Periodically identify high crash locations on the RAN   | As Needed                               |
| <b>Rock Region METRO</b>   |   |
| 1. Promote Rock Region METRO's public transit commuter service   | Ongoing                                 |
| 2. Identify how safety concerns impact the operations or use of Rock Region METRO facilities and transit vehicles  | Ongoing                                 |
| 3. Conduct reporting for Transit Safety Performance Measure to National Transit Database                           | Monthly                                 |

■ 44.24.00 SHORT-RANGE TRANSPORTATION PLANNING

*Task #42 Public Transportation, Goods Movement & Intermodal Planning*

**Purpose:**

- 1) Perform short-range public transit service and operations planning, as needed.
- 2) Carry out inventories and short-range planning for public transportation facilities and equipment, as well as for public and private intermodal person and goods movement facilities and systems.

**Method:**

- 1) **Public Transit Service & Operations Planning:** As needed, Rock Region METRO will coordinate and cooperate with Metroplan and ArDOT to develop short-range plans, programs and policies to expand and enhance its public transit services and system operations.
- 2) **Public Transportation Facilities & Equipment:** Rock Region METRO staff will coordinate and cooperate with Metroplan and ArDOT staff to carry out any inventories and short-range planning for Rock Region METRO’s transit facilities and equipment, as needed. Rock Region METRO staff is primarily responsible for any inventories of Rock Region METRO facilities and equipment. ArDOT staff is primarily responsible for coordinating inventories of any other transit facilities and equipment in the CARTS area. Metroplan staff is primarily responsible for integrating the results of public transit inventories into the CARTS planning process.
- 3) **Intermodal Facilities & Systems:** ArDOT staff will coordinate and cooperate with MPO and Rock Region METRO staff to carry out inventories and short-range planning for public and private intermodal person and goods movement facilities and systems, as needed. ArDOT staff is assigned primary responsibility for any inventories of person and goods movement facilities and systems. Metroplan staff is primarily responsible for the modeling of truck trips, and for integrating the results of any intermodal inventories into the CARTS planning process.

| <b><i>Expected Results/Product:</i></b>   | <b><i>Anticipated Completion Schedule:</i></b> |
|---|--|
| <b>Rock Region METRO</b>  |  |
| 1. Satisfactory progress in developing short-range plans to improve public transit system services and operations | Annual   |
| 2. Continue Rock Region METRO Comprehensive Implementation Stratagem:   | Ongoing  |
| a. Update inventories of public transit facilities and equipment  | Annual   |
| b. Intelligent Transportation System (ITS) data reporting   | As Required                                    |
| 3. Satisfactory progress on Streetcar Strategic Study   | 2023   |
| 4. Transit Oriented Development Study   | 2023   |
| 5. Continue various neighborhood and community service route planning   | Ongoing  |

■ 44.24.00 SHORT-RANGE TRANSPORTATION PLANNING

*Task #42 Public Transportation, Goods Movement & Intermodal Planning, continued*

|   |                   |
|---|-------------------|
| 6. Coordinate with any other public or private transit providers regarding transportation services for the urbanized area   | Ongoing           |
| 7. Coordinate with human service agency transportation providers to implement and update the <i>Arkansas Statewide Transit Coordination Plan: 2012</i>                | As Needed         |
| 8. Maintain ITS data to constantly improve/upgrade transit network  | Ongoing           |
| 9. Review Transit ADA Standards and potential violations  | Ongoing           |
| <b>ArDOT</b>  |                   |
| 1. Continue modeling truck trips and short-range plans for intermodal person and goods movement facilities and systems in support of CARTS Travel Demand Model Update | Ongoing/As Needed |
| <b>Metroplan</b>  |                   |
| 1. Support the short-term planning activities of Rock Region METRO  | Ongoing           |

| Consultant Studies                            | Total Contract Amount | Estimated Expenditure |           |
|---|-----------------------|-----------------------|-----------|
|   |                       | FY 2022               | FY 2023   |
| Phase 2 River Cities Travel Center TOD Design | \$500,000             | \$100,000             | \$400,000 |
| Southwest Little Rock TOD Study               | \$250,000             | \$250,000             | \$0       |
| Little Rock Bus Rapid Transit Study           | \$350,000             | \$50,000              | \$300,000 |

■ 44.24.00 SHORT-RANGE TRANSPORTATION PLANNING

*Task #43 Facility Maintenance, Preservation & Enhancement Planning*

**Purpose:**

- 1) Carry out inventories and short-range planning for pavement, bridge systems and other CARTS area transportation facilities.
- 2) Plan for corridor maintenance, preservation and enhancements.

**Method:**

- 1) **Pavement Management:** As needed, ARDOT and Metroplan staff will consult and coordinate to carry out pavement inventories and prepare short-range pavement improvement plans for federal-aid roadways in the CARTS Area. The focus of such inventories will be area freeways and regional arterials.
- 2) **Bridge Management:** ARDOT staff is responsible for inspecting all publicly owned bridges in the CARTS area and maintaining a bridge inventory. Special emphasis will be on freeway structures and identified "critical" bridges on regional arterials. Metroplan staff is primarily responsible for integrating the results of bridge inventories and analyses into the CARTS planning process (refer to Tasks #20 and #22), including regional performance measures.
- 3) **Highway-Railway Grade Separation Planning:** As needed, ARDOT staff with the assistance of Metroplan staff will conduct studies of at-grade highway rail crossings to consider upgrades to existing crossings equipment and possible grade separations.
- 4) **Other Facility Maintenance, Preservation & Enhancement Planning:** As needed, Metroplan, ARDOT, and Rock Region METRO staff will jointly coordinate and cooperate to investigate methods of standardizing financial and project related record keeping for transportation maintenance and capital expenditures, and any other short-range transportation corridor or facility maintenance, preservation or enhancement planning.

| <b><i>Expected Results/Product:</i></b>   | <b><i>Anticipated Completion Schedule:</i></b> |
|---|--|
| <b>ARDOT</b>  |  |
| 1. Inventory, analysis, and performance reports of pavements on the state highway system  | Ongoing  |
| 2. Inventory, analysis, and performance reports for all publicly owned bridges in the CARTS area  | Ongoing  |
| 3. Conduct studies of at-grade highway rail crossings   | As Needed                                      |
| 4. Develop standardized financial and project related record keeping of transportation maintenance and capital expenditures on the state highway system | Ongoing  |
| 5. Perform other facility maintenance, preservation and enhancement planning  | As Needed                                      |

■ 44.24.00 SHORT-RANGE TRANSPORTATION PLANNING

*Task #43 Facility Maintenance, Preservation & Enhancement Planning, continued*

|  |               |
|--|---------------|
| <b>Metroplan</b>   |               |
| 1. Compile local governments' pavement inventories   | When Provided |
| 2. Integrate pavement inventories/analyses into the CARTS planning process (see Tasks #20 and #22), including regional performance measures                              | As Needed     |
| 3. Develop applicable regional performance measures, in coordination with ARDOT  | Biennial      |
| 4. Identify corridors, facilities and rights-of-way (ROW) to be preserved  | Ongoing       |
| 5. Coordinate analysis of any proposed transportation enhancements   | As Needed     |
| 6. Perform other facility maintenance, preservation, and enhancement planning  | As Needed     |
| 7. Coordinate meetings and activities for the Southwest Trail task force and the Arkansas River Trail task force   | Ongoing       |
| 8. Manage social media accounts for the Southwest Trail and the Arkansas River Trail   | Ongoing       |
| <b>Rock Region METRO</b>   |               |
| 1. Monitor and maintain standardized financial and project related record keeping of transportation maintenance and capital expenditures on the regional transit network | Ongoing       |
| 2. Perform other facility maintenance, preservation and enhancement planning   | As Needed     |
| 3. Continue to implement Facilities Master Plan  | Ongoing       |

■ 44.24.00 SHORT-RANGE TRANSPORTATION PLANNING

**Task #44 Air Quality Planning & Public Awareness**

**Purpose:**

- 1) Increase public awareness of local air quality concerns.
- 2) Provide for stakeholder involvement in air quality planning.
- 3) Conduct planning activities that lead to improved air quality for Central Arkansas.

**Method:**

Metroplan, ArDOT and Rock Region METRO staff will cooperatively participate in interagency air quality planning activities. ArDOT and Rock Region METRO staff will be primarily responsible for coordinating their own agency action plans in support of the Ozone Action Days program (OAD). The responsibilities of Metroplan, ArDOT, and Rock Region METRO staff for regional air quality (AQ) analysis and other AQ planning will be cooperatively determined as the need arises or as delineated in an interagency memorandum of agreement (MOA).

| <i>Expected Results/Product:</i>   | <i>Anticipated Completion Schedule:</i> |
|--|---|
| <b>Metroplan</b>   |   |
| 1. Execution of the OAD awareness program for Central Arkansas   | May-September                           |
| 2. Develop 2022 & 2023 ozone season awareness plan   | December                                |
| 3. Monitor ambient air quality data, assist with regional emissions analyses, and coordinate preparations of any Metroplan conformity determination documents (see also Tasks #21 and #40) | As Required                             |
| <b>ArDOT</b>   |   |
| 1. Support Ozone Action Days through ArDOT's activities  | Ongoing                                 |
| <b>Rock Region METRO</b>   |   |
| 1. Support Ozone Action Days through Rock Region METRO activities  | Ongoing                                 |

| Consultant Studies | Total Contract Amount | Estimated Expenditure |          |
|--------------------|-----------------------|-----------------------|----------|
|                    |                       | FY 2022               | FY 2023  |
| Ozone Action Days  | \$60,000 Annually     | \$60,000              | \$60,000 |

■ 44.24.00 SHORT-RANGE TRANSPORTATION PLANNING

**Task #45 Intelligent Transportation Systems (ITS)**

**Purpose:**

Refine and implement the CARTS ITS Plan in accordance with the regional ITS architecture, leading to improved efficiency and safety for the movement of people and goods throughout Central Arkansas.

**Method:**

Metroplan, ArDOT and Rock Region METRO staff will continue to refine and implement the CARTS ITS Plan, Incident Management Plan, and CARTS Freeway Management System Plan, consistent with federal requirements and the adopted LRMTTP (also see Task #20).

| <i>Expected Results/Product:</i>                               | <i>Anticipated Completion Schedule:</i> |
|--|---|
| <b>Metroplan</b>   |   |
| 1. Facilitate ITS-related meetings and training                | As Needed                               |
| 2. Coordinate with ArDOT on regional and state ITS initiatives | As Needed                               |
| 3. Update regional ITS plan and architecture                   | Summer 2023                             |
| <b>ArDOT</b>   |   |
| 1. Update the Central Arkansas Freeway Management System plan  | Ongoing                                 |
| 2. Evaluate incident management strategies                     | Ongoing                                 |
| <b>Rock Region METRO</b>                                       |   |
| 1. Monitor and maintain ITS data                               | Ongoing                                 |
| 2. Evaluate and monitor annual service enhancement reporting   | Ongoing                                 |

| <b>Consultant Studies</b>         | Total Contract Amount | Estimated Expenditure |           |
|-----------------------------------|-----------------------|-----------------------|-----------|
|                                   |                       | FY 2022               | FY 2023   |
| Regional Operations and ITS Study | \$200,000             | \$100,000             | \$100,000 |

**44.25.00 TRANSPORTATION IMPROVEMENT PROGRAM**

**Task #50 TIP Development, Project Selection & Monitoring**

**Purpose:**

- 1) Cooperatively develop and publish the CARTS 2023–2026 TIP.
- 2) Select TIP projects to be implemented (STP, HIP, TAP <200,000).
- 3) Revise policies and procedures for TIP development, as needed.
- 4) Monitor TIP implementation.
- 5) Prepare status reports on previously authorized TIP projects.

**Method:**

Metroplan, ArDOT, and Rock Region METRO staff will jointly consult and coordinate with each other and with the Metroplan Board and CARTS committees to develop the FY 2023-2026 TIP; monitor authorized TIP projects; revise as needed the CARTS policies and procedures for TIP development; and publish the Annual Listing of Obligated Projects (ALOP).

| <b>Expected Results/Product:</b>                                       | <b>Anticipated Completion Schedule:</b> |
|--|---|
| <b>Metroplan</b>   |   |
| 1. Develop and adopt the FY 2023-2026 TIP                              | Summer 2022                             |
| 2. Publish the ALOP  | Annually December 31                    |
| <b>ArDOT</b>   |   |
| 1. Coordinate TIP project proposals for the State Highway System       | Ongoing                                 |
| 2. Provide estimates of Federal/State funds available for TIP projects | As Needed                               |
| 3. Prepare Funds Management Reports on federal obligations             | Quarterly                               |
| <b>Rock Region METRO</b>   |   |
| 1. Coordinate transit TIP projects and amendments                      | As Needed                               |



■ FISCAL YEAR 2022 & 2023 CARTS BUDGET

Fiscal Year 2022 & 2023 CARTS Staff Resources

Ten personnel among the three UPWP agencies are committed to full-time direct support of the tasks outlined in the FY 2022 & 2023 CARTS UPWP; another five-plus personnel are committed in part-time direct support. Additional personnel may be assigned to consultant-led work tasks.

At present, Metroplan has eight staff positions committed in direct support of the FY 2022 & 2023 UPWP. Metroplan planning staff is composed of the CARTS Study Director/Deputy Director, three transportation/community planners, one statistician-research planner, two GIS/policy analysts, and one graphics coordinator.

ArDOT commits three study coordinators, plus others as needed, in direct support of the CARTS UPWP.

Rock Region METRO's transit planner is committed to direct support of the CARTS UPWP. Additionally, the CFO and grants accountant, plus others as needed, devote a portion of their time in direct support of UPWP tasks.

Each UPWP agency is assigned primary responsibility for specific activities, as delineated in the task descriptions; inter-agency working groups are employed to accomplish specific UPWP activities. For example, ArDOT and Metroplan jointly maintain and utilize the travel demand and forecast models for the CARTS Area.

The CARTS Study Director/Metroplan Deputy Director is responsible for overall program support and administration of Metroplan's work program tasks, as well as for interagency coordination with the other UPWP Agencies. Although Metroplan staff often form working groups and share in the performance of work program activities, each staff person dedicated to direct support of the work program is charged with primary responsibility for accomplishing specific tasks or subtasks. For example, one transportation planner is mainly responsible for providing staff support for TCC meetings and TIP development.

TABLE 2. SUMMARY OF FY 2022 & 2023 CARTS STAFF RESOURCES

| CARTS Agency      | Direct Support Full -Time | Direct Support Part -Time | Indirect Support Full -Time |
|-------------------|---------------------------|---------------------------|-----------------------------|
| Metroplan         | 8                         | 1                         | 4                           |
| ArDOT             | 1                         | 2+                        | As needed                   |
| Rock Region Metro | 1                         | 2                         | 0                           |
| CARTS Total       | 10                        | 5+                        | 4                           |

## UPWP FY 2022 & 2023

**Table 3** summarizes overall federal and local revenues budgeted by Metroplan, ArDOT and Rock Region METRO in FY 2022. Federal funds budgeted constitute 80 percent of the total; State and local matching funds constitute 20 percent, unless overmatched.

**TABLE 3. SUMMARY OF FY 2022 CARTS UPWP BUDGET\***

| CARTS Agency      | Federal     | Local     | Total       |
|-------------------|-------------|-----------|-------------|
| Metroplan         | \$1,596,000 | \$399,000 | \$1,995,000 |
| ArDOT             | \$400,000   | \$100,000 | \$500,000   |
| Rock Region METRO | \$600,000   | \$150,000 | \$750,000   |
| CARTS Total       | \$2,596,000 | \$649,000 | \$3,245,000 |

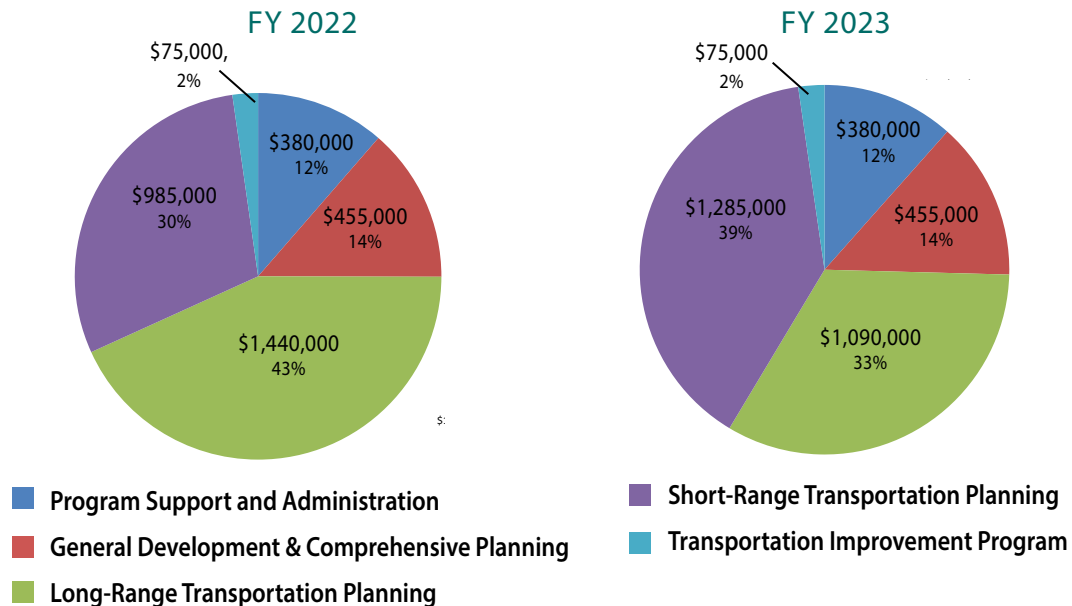
\*Subject to change based upon final planning figures

**TABLE 4. SUMMARY OF FY 2023 CARTS UPWP BUDGET\***

| CARTS Agency      | Federal     | Local     | Total       |
|-------------------|-------------|-----------|-------------|
| Metroplan         | \$1,348,000 | \$337,000 | \$1,685,000 |
| ArDOT             | \$440,000   | \$110,000 | \$550,000   |
| Rock Region METRO | \$840,000   | \$210,000 | \$1,050,000 |
| CARTS Total       | \$2,628,000 | \$657,000 | \$3,285,000 |

\*Subject to change based upon final planning figures

**FIGURE 3. TOTAL CARTS BUDGET BY TASK**



On the following pages, **Tables 5 and 6** detail expenditures budgeted by Metroplan, ArDOT and Rock Region METRO, on CARTS planning projects or tasks described in this UPWP. For each planning project, total expenditures by each CARTS agency, type of fund, and federal/local matching amounts are identified.

TABLE 5. FY 2022 CARTS UPWP BUDGET

| Central Arkansas Regional Transportation Study - Unified Table 5 - FY 2022 Project Task Budget |  | Metropolitan Work Program <sup>1</sup>  |           |         | Rock Region METRO Program 5307 |         |         | Work    |         |         | A:DOT Work Program |           |         | Total CARTS Work Program All Funding Sources |         |       |       |
|--|--|---|-----------|---------|--------------------------------|---------|---------|---------|---------|---------|--------------------|-----------|---------|--|---------|-------|-------|
| CODE   | TASK                                     | ACTIVITY  | Federal   | Local   | Total                          | Federal | Local   | Total   | Federal | Local   | Total              | Federal   | Local   | Total  | Federal | Local | Total |
| 44.21.00   | Program Support and Administration       | 1. Work Program Development & Administration<br>2. Public Information & Citizen Participation   | 40,000    | 160,000 | 200,000                        | 120,000 | 30,000  | 150,000 | 24,000  | 6,000   | 30,000             | 184,000   | 196,000 | 380,000                                      |         |       |       |
| 44.22.00   | General Development & Comprehensive Plan | 10. Technical Assistance to Local Governments<br>11. Geographical Information System, Graphics & Mapping<br>12. Land Use/Socioeconomic Data Development & Forecasting                               | 90,000    | 360,000 | 450,000                        |         |         |         | 4,000   | 1,000   | 5,000              | 94,000    | 361,000 | 455,000                                      |         |       |       |
| 44.23.01   | Long-Range Transportation Planning       | 20. Metropolitan Transportation Plan<br>21. Travel Demand Modeling & Analysis<br>22. Strategic Regional Network<br>23. Sustainable Transportation Strategies<br>24. Major Transportation Investment | 200,000   | 800,000 | 1,000,000                      | 480,000 | 120,000 | 600,000 | 280,000 | 70,000  | 350,000            | 480,000   | 870,000 | 1,350,000                                    |         |       |       |
|  |  | <i>Corridor Studies (Consultants)</i>   | 20,000    | 80,000  | 100,000                        |         |         |         | 20,000  | 80,000  | 100,000            |           |         |  |         |       |       |
|  |  | <i>Regional Bikeways Plan</i>   | 65,000    | 260,000 | 325,000                        |         |         |         |         |         |                    |           |         |  |         |       |       |
|  |  | <i>Little Rock Port Southloop Study</i>   | 22,000    | 88,000  | 110,000                        |         |         |         |         |         |                    |           |         |  |         |       |       |
| 44.24.00   | Short-Range Transportation Planning      | 40. Traffic Monitoring & Analysis of Existing Conditions<br>41. Traffic Congestion & Safety Planning<br>42. Public Transportation, Goods Movement & Intermodal Planning                             | 57,000    | 228,000 | 285,000                        | 480,000 | 120,000 | 600,000 | 80,000  | 20,000  | 100,000            | 617,000   | 368,000 | 985,000                                      |         |       |       |
|  |  | <i>SW Little Rock TOD Study</i>   |           |         |                                | 20,000  | 80,000  | 100,000 |         |         |                    |           |         |  |         |       |       |
|  |  | <i>Regional Bikeways Plan</i>   |           |         |                                | 50,000  | 200,000 | 250,000 |         |         |                    |           |         |  |         |       |       |
|  |  | <i>Regional Bikeways Plan</i>   |           |         |                                | 10,000  | 40,000  | 50,000  |         |         |                    |           |         |  |         |       |       |
|  |  | 43. Facility Maintenance, Preservation & Enhancement Planning   |           |         |                                |         |         |         |         |         |                    |           |         |  |         |       |       |
|  |  | 44. Air Quality Planning & Public Awareness   | 12,000    | 48,000  | 60,000                         |         |         |         |         |         |                    |           |         |  |         |       |       |
|  |  | 45. Intelligent Transportation Systems  | 20,000    | 80,000  | 100,000                        |         |         |         |         |         |                    |           |         |  |         |       |       |
| 44.25.00   | Transportation Improvement Program       | 50. TIP Development, Project Selection & Surveillance   | 12,000    | 48,000  | 60,000                         |         |         |         | 12,000  | 3,000   | 15,000             | 24,000    | 51,000  | 75,000                                       |         |       |       |
|  |  | <b>TOTAL</b>  | 1,596,000 | 399,000 | 1,995,000                      | 600,000 | 150,000 | 750,000 | 400,000 | 100,000 | 500,000            | 2,596,000 | 649,000 | 3,245,000                                    |         |       |       |

CONSULTANT-LED STUDIES ARE ITALICS

<sup>1</sup>Metropolitan Work Program Reflects FTA 5303, FHWA PL and STP Funds

<sup>2</sup>Up to \$100,000 (\$80,000 federal, \$20,000 local) may be flexed for STP to CARTS Planning to support staff

TABLE 6. FY 2023 CARTS UPWP BUDGET

| Central Arkansas Regional Transportation Study - Unified<br>Table 6 - FY 2023 Project Task Budget                        | Metropolitan Work Program <sup>1</sup>    |   |           | Rock Region METRO Program |           |         | ArDOT Work Program |         |         | Total CARTS Work Program |           |           |
|--|---|---|-----------|---------------------------|-----------|---------|--------------------|---------|---------|--------------------------|-----------|-----------|
|  | CODE                                      | TASK  | ACTIVITY  | TOTAL                     |           | 5307    | SPR                |         | Total   | All Funding Sources      |           | Total     |
|  |   |   |           | Federal                   | Local     |         | Federal            | Local   |         | Federal                  | Local     |           |
| 44.21.00   | Program Support and Administration        | 1. Work Program Development & Administration                    | 40,000    | 160,000                   | 200,000   | 120,000 | 30,000             | 24,000  | 6,000   | 30,000                   | 184,000   | 380,000   |
|  |   | 2. Public Information & Citizen Participation                   |           |                           |           |         |                    |         |         |                          |           |           |
| 44.22.00   | General Development & Comprehensive Plann | 10. Technical Assistance to Local Governments                   | 90,000    | 360,000                   | 450,000   |         |                    | 4,000   | 1,000   | 5,000                    | 94,000    | 455,000   |
|  |   | 11. Geographical Information System, Graphics & Mapping         |           |                           |           |         |                    |         |         |                          |           |           |
|  |   | 12. Land Use/Socioeconomic Data Development & Forecasting       |           |                           |           |         |                    |         |         |                          |           |           |
| 44.23.01   | Long-Range Transportation Planning        | 20. Metropolitan Transportation Plan                            | 138,000   | 552,000                   | 690,000   |         |                    | 320,000 | 80,000  | 400,000                  | 458,000   | 1,090,000 |
|  |   | 21. Travel Demand Modeling & Analysis                           |           |                           |           |         |                    |         |         |                          |           |           |
|  |   | 22. Strategic Regional Network                                  | 5,000     | 20,000                    | 25,000    |         |                    |         |         |                          |           |           |
|  |   | 23. Sustainable Transportation Strategies                       |           |                           |           |         |                    |         |         |                          |           |           |
|  |   | 24. Major Transportation Investment                             |           |                           |           |         |                    |         |         |                          |           |           |
|  |   | Corridor Studies (Consultants)                                  | 40,000    | 160,000                   | 200,000   |         |                    | 40,000  | 160,000 | 200,000                  |           |           |
| 44.24.00   | Short-Range Transportation Planning       | 40. Traffic Monitoring & Analysis of Existing Conditions        | 57,000    | 228,000                   | 285,000   | 720,000 | 180,000            | 80,000  | 20,000  | 100,000                  | 857,000   | 1,285,000 |
|  |   | 41. Traffic Congestion & Safety Planning                        |           |                           |           |         |                    |         |         |                          |           |           |
|  |   | 42. Public Transportation, Goods Movement & Intermodal Planning |           |                           |           |         |                    |         |         |                          |           |           |
|  |   | River Centers TOD Study (Phase 2))                              |           |                           |           | 80,000  | 320,000            |         |         | 400,000                  |           |           |
|  |   | Little Rock Bus Rapid Transit Study                             |           |                           |           | 60,000  | 240,000            |         |         | 300,000                  |           |           |
|  |   | 43. Facility Maintenance, Preservation & Enhancement Planning   |           |                           |           |         |                    |         |         |                          |           |           |
|  |   | 44. Air Quality Planning & Public Awareness                     | 12,000    | 48,000                    | 60,000    |         |                    |         |         |                          |           |           |
|  |   | Ozone Awareness   |           |                           |           |         |                    |         |         |                          |           |           |
|  |   | 45. Intelligent Transportation Systems                          | 20,000    | 80,000                    | 100,000   |         |                    |         |         |                          |           |           |
|  |   | Operations Study/ITS  |           |                           |           |         |                    |         |         |                          |           |           |
| 44.25.00   | Transportation Improvement Program        | 50. TIP Development, Project Selection & Surveillance           | 12,000    | 48,000                    | 60,000    | 840,000 | 210,000            | 440,000 | 110,000 | 550,000                  | 2,628,000 | 3,285,000 |
|  |   | TOTAL   | 1,348,000 | 337,000                   | 1,685,000 | 840,000 | 210,000            | 440,000 | 110,000 | 550,000                  | 2,628,000 | 3,285,000 |
| CONSULTANT STUDIES ARE ITALICS   |   |   |           |                           |           |         |                    |         |         |                          |           |           |
| Metropolitan Work Program Reflects FTA 5303, FHWA PL and STP Funds   |   |   |           |                           |           |         |                    |         |         |                          |           |           |
| <sup>1</sup> Up to \$100,000 (\$80,000 federal, \$20,000 local) may be flexed for STP to CARTS Planning to support staff |   |   |           |                           |           |         |                    |         |         |                          |           |           |

TABLE 5. GLOSSARY OF ACRONYMS USED IN THIS DOCUMENT

|          |   |
|----------|---|
| ArDOT    | Arkansas Department of Transportation                       |
| ALOP     | Annual Listing of Obligated Projects                        |
| ASCT     | Adaptive Signal Control Technology                          |
| AULP     | Agreed Upon List of Projects                                |
| CARTS    | Central Arkansas Regional Transportation Study              |
| CMP      | Congestion Management Process                               |
| FAST Act | Fixing America's Surface Transportation Act                 |
| FFY      | Federal Fiscal Year (October 1 - September 30)              |
| GIS      | Geographic Information Systems                              |
| HPMS     | Highway Performance and Monitoring System                   |
| ITS      | Intelligent Transportation System                           |
| LAN      | Local Area Network  |
| LRMTP    | Long Range Metropolitan Transportation Plan                 |
| MAP-21   | Moving America for Progress in the 21 <sup>st</sup> Century |
| MIS      | Major Investment Study                                      |
| MOA      | Memorandum of Agreement                                     |
| MPO      | Metropolitan planning organization                          |
| MSA      | Metropolitan Statistical Area                               |
| OAD      | Ozone Action Days   |
| RAN      | Regional Arterial Network                                   |
| ROW      | right-of-way  |
| RPAC     | Regional Planning Advisory Council                          |
| TAM      | Transit Asset Management                                    |
| TCC      | Technical Coordinating Committee                            |
| TIP      | Transportation Improvement Program                          |
| TMC      | Transportation Management Area                              |
| UPWP     | Unified Planning Work Program                               |



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