

## **The Berkeley Charleston Dorchester Regional Council of Governments (BCDCOG)**

The Berkeley-Charleston-Dorchester Council of Governments  
announces its consideration of amendments to the following document:

### **FY2022-FY2023 BCD RURAL PLANNING WORK PROGRAM (RPWP)**

This document is available for public review and comment  
from **May 3, 2021 to May 24, 2021**

Monday-Friday between the hours of **9:00 am to 5:00 pm**  
at the

Berkeley-Charleston-Dorchester Council of Governments  
5790 Casper Padgett Way, North Charleston SC 29406  
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# Fiscal Years 2022 & 2023

## RURAL PLANNING WORK PROGRAM

FOR TRANSPORTATION PLANNING IN THE  
BERKELEY-CHARLESTON-DORCHESTER REGION

JULY 1, 2021 – JUNE 30, 2023



BERKELEY-CHARLESTON-DORCHESTER COUNCIL OF GOVERNMENTS BOARD OF DIRECTORS

DRAFT – MAY 24, 2021

[HTTPS://BCDCOG.COM/TRANSPORTATION-PLANNING/](https://bcdcog.com/transportation-planning/)



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As a regional agency serving Berkeley, Charleston, and Dorchester counties, the Berkeley-Charleston-Dorchester Council of Governments (BCDCOG) assists the South Carolina Department of Transportation (SCDOT) with statewide planning responsibilities in the tri-county area. BCDCOG will undertake the following transportation planning activities within rural areas of the region during fiscal years 2022 and 2023. This final document was approved by the BCDCOG Board of Directors on XXXXXX. This document was made available for public review and comment from May 3 to May 24, 2021 and received no public comment.

### **PURPOSE OF THE FY2022-FY2023 RURAL PLANNING WORK PROGRAM**

The Rural Planning Work Program (RPWP) consolidates all transportation planning and directly supporting comprehensive planning activities, anticipated for the non-urbanized area of the Berkeley-Charleston-Dorchester Region, during the upcoming fiscal years (FY2022 and FY2023). The rural program is coordinated with comparable activities of the Charleston Area Transportation Study (CHATS) Metropolitan Planning Organization (MPO) to ensure continuity between urban and rural transportation programs. Additionally, the program is intended to provide a mechanism for the coordination of rural transportation planning efforts by local, state, and regional agencies through the BCDCOG.

The U.S. Department of Transportation (USDOT) and its modal administrations (the Federal Highway Administration (FHWA), the Federal Railroad Administration (FRA), and the Federal Transit Administration (FTA) reference this RPWP as a basis and condition for all funding assistance to state, local and

regional agencies for transportation planning. The SCDOT coordinates with the COG to facilitate an ongoing transportation planning process that defines both urban and rural regional transportation priorities as required by 23 CFR 450.218 (a) and (b)

### **BCDCOG ORGANIZATION AND MANAGEMENT**

The BCDCOG Rural Planning Area encompasses *non-urbanized* portions of Berkeley, Charleston, and Dorchester counties that are also *not* expected to be urbanized by the year 2040. The boundaries conform to guidelines, issued by FHWA and FTA, for establishing area transportation study areas. Within the BCDCOG rural area, there are 12 incorporated towns and three county governments. A map showing the BCDCOG Rural Planning Area, updated to account for the 2010 urbanized area, is included on page iii.

The BCDCOG rural area is the responsibility of four agencies operating at different levels of government. Rural transportation policy decisions are designated to the BCDCOG Board of Directors, which is governed by its bylaws. BCDCOG is responsible for providing local technical staff support to the Board and the Rural Transportation Study Committee. State participation is provided by the SCDOT in conjunction with FHWA and FTA.

The RPWP is developed biannually, with updates to the document occurring for intermittent years. While it is the mission of BCDCOG to complete work planned within a program year, task elements may span multiple fiscal years and are carried forward into subsequent work programs until completion.

## **STAFFING**

The work proposed under the RPWP will be accomplished by BCDCOG with the assistance and cooperative support of the participating BCDCOG member governments and private consultants, where appropriate.

### *BCDCOG Staff*

A permanent, interdisciplinary professional planning staff has been assembled to carry out the RPWP. This staff consists of an Executive Director and professional, technical, and support personnel, who pursue specific BCDCOG work program task elements under the direction of the BCDCOG Board of Directors.

### *SCDOT Staff*

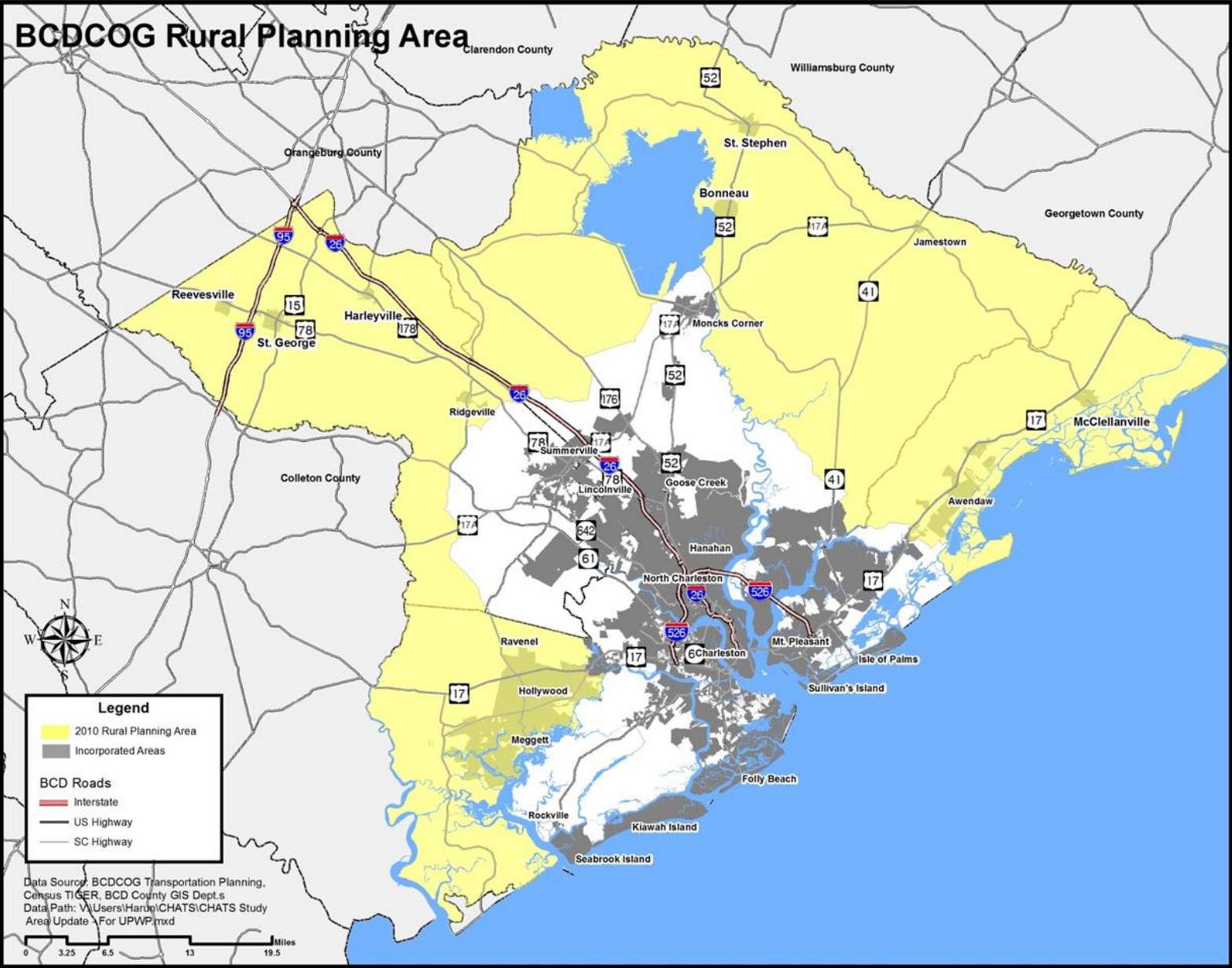
SCDOT has an extensive professional staff of transportation planners, analysts and support personnel, in transportation planning, research, data processing, and environmental impact analysis. SCDOT provides assistance to the BCDCOG on various issues as requested.

*County Planning, Engineering, GIS and Economic Development Staff for Berkeley, Charleston and/or Dorchester counties*

Staffs from departments responsible for transportation planning and construction at the county level provide support to this program and the BCDCOG with planning, engineering, construction assistance, and various GIS-related data.

*Municipal Planning, Engineering, Public Works, GIS and Economic Development Staff*

Staff is responsible for transportation planning and construction for municipalities in the region's rural areas. These municipalities coordinate with the BCDCOG for planning, engineering, construction assistance, and Geographic Information System (GIS) services.



## TRANSPORTATION PLANNING FRAMEWORK

On December 4, 2015, President Obama signed the [Fixing America's Surface Transportation \(FAST\) Act](#) (Pub. L. No. 114-94) into law providing five years of funding for surface transportation infrastructure planning and investment. The FAST Act authorizes \$305 billion over fiscal years 2016 through 2020 for highway, highway and motor vehicle safety, public transportation, motor carrier safety, hazardous materials safety, rail, and research, technology, and statistics programs. The FAST Act maintains the transportation focus on safety, keeps intact the established structure of the various highway-related programs continues efforts to streamline project delivery and provides a dedicated source of federal dollars for freight projects. With the enactment of the FAST Act, states and local governments are moving forward with critical transportation projects.

In accord with guidance from FHWA, FTA and SCDOT, BCDCOG has adopted performance goals and measures to assess effectiveness of the region's transportation program during the upcoming fiscal year. The processes used to identify needed transportation improvements and project selection will continue to be guided to achieve the following goals:

- 1. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency.* The BCDCOG will coordinate transportation projects with SCDOT, local governments and agencies to improve economic competitiveness in the BCD Rural Planning Area.
- 2. Increase the safety of the transportation system for motorized and non-motorized users.* BCDCOG will encourage and support transportation projects that include enhanced safety features for transportation in the region. The safety measures to be included are, but are not limited to, pedestrian facilities, bicycle facilities, and complete streets while coordinating with the local and state governments to complete projects.
- 3. Increase the security of the transportation system for motorized and non-motorized users.* Coordinated planning efforts will enhance safety and security to residents and provide options for resiliency emergency plans. Security issues will be reflected in the rural planning process as a part of goal development, needs assessment and project identification.
- 4. Increase the accessibility and mobility of people and goods.* BCDCOG amends the 2021-2027 Rural Transportation Improvement Program (RTIP) as needed. The region's Travel Demand Modeling capability will continue to be used as a tool to analyze the current highway network and projected future network demand into the rural areas where possible. Mobility of people and freight movement will be addressed through planning for land use development that makes efficient use of the transportation infrastructure.
- 5. Protect and enhance the environment, promote energy conservation, and promote consistency between transportation improvements and state and local planned growth and economic development patterns.* BCDCOG will

work with state and local governments and agencies to coordinate transportation projects, including those planned in support of economic development nodes, in a consistent and environmentally sound manner.

6. *Enhance the integration and connectivity of the transportation system across and between modes, for people and freight.* BCDCOG will coordinate activities identified by examining integration of transportation systems for the region. BCDCOG will administer implementation of the human services transportation coordination plan and provide support in service coordination between the urban and rural transit systems. Transportation projects will also be designed to enhance the interface between modes through programs such as Complete Streets, Transportation Demand Management, Transportation Alternatives Programs, and comprehensive land use planning.

7. *Promote efficient system management and operation.* BCDCOG will work with SCDOT on funding system improvements that promote efficient operations such as project design, selection and programming.

8. *Emphasize the preservation of the existing transportation system.* In all plans and projects BCDCOG will examine the existing transportation system before making recommendations for improvements. To facilitate this, the BCDCOG will continue to employ its GIS-based information system, the travel demand model for the region, and the project ranking process that emphasizes multimodal transportation solutions with the greatest benefits at the lowest cost.

9. *Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation.* In all plans and projects the BCDCOG will continue to examine the impacts of nuisance flooding and climate change/sea level rise projections on the existing transportation system before making recommendations for improvements. To facilitate this, the BCDCOG will continue to coordinate with entities, including but not limited to the Charleston Resiliency Network, to identify strategies for mitigating impacts of nuisance flooding and inadequate stormwater systems while improving the resiliency of the region's infrastructure, including transportation.

10. *Enhance travel and tourism.* The BCDCOG will continue to coordinate with the Charleston Visitors Bureau and regional chambers of commerce to identify transportation issues and needs for visitors, as well as the mobility of residents employed in tourism related industries.

**SUMMARY OF MAJOR PROGRAMMED ACTIVITIES**

The FY2022/FY2023 BCDCOG RPWP is based on the BCDCOG 2040 Rural Long Range Transportation Plan, which was updated and approved by the BCDCOG Board on June 29, 2020. Emphasis has been placed on developing a program which can be reasonably accomplished with available staff and consultant resources, and which is in keeping with the priorities of the BCDCOG region. This FY2022/FY2023 RPWP emphasizes activities that promote the implementation of the existing plan.

Tasks within this work program are organized into several major categories to facilitate review and management as follows:

**Task Group A** Program Administration and Support

This Task Group includes general administration, professional services, public participation, and RPWP development and maintenance.

**Task Group B** Short-Range Transportation Planning

This task group includes projects which can be implemented in shorter timeframes and is comprised of activities related to providing technical assistance, reporting and data collection, and GIS activities.

**Task Group C** Long-Range Transportation Planning

The majority of RPWP tasks falls under this category, and are either annual activities or long-term projects. Tasks include implementation of the Rural Long Range Transportation Plan and Regional Human Service Coordination Plan, activities related to freight and transit planning, and expansion of the CHATS Travel Demand Model to include all rural areas of the tri-county region.

**Task Group D** Rural Transportation Improvement Program (RTIP)

This category includes various tasks associated with the administration and maintenance of the RTIP. This document identifies projects and programs that receive various sources of federal funds covering highway, transit, and intermodal facilities and programs.

*Berkeley Charleston Dorchester Council of Governments*

**RURAL PLANNING WORK PROGRAM**

**FY 2022 & FY 2023**

**(July 1, 2021 – June 30, 2023)**

**TASK GROUP A**

**Program Administration and Support**

A1 – General Administration

A2 – Professional Services

A3 – Public Participation

A4 –RPWP Development and Maintenance

**Task A1 – General Administration**

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**Objectives:** To initiate and manage the transportation planning process, ensuring that it is continuous, cooperative, and comprehensive, and complies with applicable state/federal laws and regulations.

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**Methodology:**

BCDCOG will provide staff support to the BCDCOG Board, Executive Committee, and Rural Transportation Study Team, in addition to other permanent and ad-hoc committees. The primary function of staff is to implement the work tasks as described in this RPWP. Other administrative activities include, but are not limited to the following:

- Serve as liaison to FHWA, FTA, SCDOT, and other transportation related agencies to ensure coordination and compliance.
- In coordination with SCDOT, provide administrative support and technical assistance to the BCDCOG Board, Executive Committee, Rural Transportation Study Team, and other permanent and ad-hoc committees, as needed.
- Maintain financial records of all revenues and expenditures.
- Prepare and distribute meeting notices and agenda packages for all BCDCOG committees and subcommittees.
- Identify, prepare, and perform administrative procedures, such as quarterly reports, financial statements, and meeting documentation.

- Prepare required certification documentation, agreements, resolutions, memoranda of understanding, etc.
- Attend SCDOT, FHWA, and FTA training sessions, workshops and meetings, as required.
- Maintain agreements between local governmental agencies and the BCDCOG.
- Provide funds for purchase/maintenance of office inventory, including computer hardware/software and network maintenance, to support the BCDCOG planning program.
- Administer BCDCOG compliance with Title VI of the Civil Rights Act of 1964, and address Environmental Justice principles and procedures.
- Administer BCDCOG compliance with SCDOT and FTA DBE Programs

**Work Schedule and End Products:**

- Maintain documentation of public participation opportunities and activities, including meeting and workshop notices, BCDCOG newsletters, reports, press releases, maps, slide presentations, and maintenance of website(s) - Ongoing
- Prepare meeting materials and reports quarterly - Ongoing
- Attend quarterly statewide meetings of MPO/COG staff members - Ongoing

**Responsibility/Partners:**

BCDCOG, SCDOT, FHWA, FTA, and other agencies as appropriate.

**Task A1 Funding Sources FY2022**

<b>FHWA (Rural)</b>	<b>\$10,000.00</b>
<b>LOCAL</b>	<b>\$2,500.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$12,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>11.76%</b>

**Funding Sources FY2023\***

<b>FHWA (Rural)</b>	<b>\$10,000.00</b>
<b>LOCAL</b>	<b>\$2,500.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$12,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>11.76%</b>

*\*RPWP budget and projected work product delivery is illustrative until approved by SCDOT*

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**Task A2 – Professional Services**

**Objectives:** To enhance staff capacity through utilization of procured consultants for specific engineering, planning, or other technical services as needed in support of various BCDCOG annual planning activities.

**Methodology:**

Special projects of the BCDCOG may necessitate assistance from expert technical and professional services. BCDCOG will retain services of outside consultants to assist with technical activities and projects that implement this work program in accord with all acceptable and organizational procurement processes as needed. Included within these procedures are:

- Preparation and advertisement of Requests for Proposals or Qualifications in coordination with SCDOT.
- Review and scoring of submitted proposals.
- Recommendation of contracting to the Board of Directors Executive Committee.
- Coordination of contract review by SCDOT.

**Work Schedule and End Products:**

- Task orders and contracts for procured technical and professional services to support Staff in the various planning activities outlined in the RPWP - Ongoing

**Responsibility/Partners:**

BCDCOG, SCDOT and FHWA

**Task A2 Funding Sources FY2022**

<b>FHWA (Rural)</b>	<b>\$2,000.00</b>
<b>LOCAL</b>	<b>\$500.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$2,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>2.35%</b>

**Funding Sources FY2023\***

<b>FHWA (Rural)</b>	<b>\$2,000.00</b>
<b>LOCAL</b>	<b>\$500.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$2,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>2.35%</b>

*\*RPWP budget and projected work product delivery is illustrative until approved by SCDOT*

**Task A3 – Public Participation**

**Objectives:** To ensure public involvement in the development of the Rural LRTP, the RTIP, and special studies by conducting public outreach in a coordinated program to ensure that all segments of the public have an opportunity to comment on long and short-term transportation planning efforts and specific projects.

**Methodology:**

As a means of disseminating information to the public about the transportation planning program, staff will continue to advertise STIP/RTIP revisions and communicate public comments to SCDOT prior to SCDOT Commission consideration. Tasks to accomplish include, but are not limited to the following:

- Disseminate information through traditional and non-traditional means, including the website, briefings, news releases, annual reports, and presentations to community groups;
- Document all public outreach efforts and evaluate strategies on an annual basis to ensure they parallel the procedures promulgated in state and federal legislation.

**Task A3 Funding Sources FY2022**

<b>FHWA (Rural)</b>	<b>\$1,200.00</b>
<b>LOCAL</b>	<b>\$300.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$1,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>1.41%</b>

- Assist SCDOT in conducting public hearings and meetings on transportation improvement projects and programs in rural areas of the region.
- Coordinate with SCDOT on advertisement of STIP amendments related to regional projects of statewide significance.
- Provide education and training to boards, commissions, and elected officials on transportation related processes and issues.

**Work Schedule and End Products:**

- Maintain file of public participation opportunities and activities, including notices of meetings, workshops, BCDCOG newsletters, social media contacts, reports, press releases, maps, slide presentations, and maintenance of website(s): Ongoing

**Responsibility/Partners:**

BCDCOG, Member Governments, and other agencies as appropriate.

**Funding Sources FY2023\***

<b>FHWA (Rural)</b>	<b>\$1,200.00</b>
<b>LOCAL</b>	<b>\$300.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$1,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>1.41%</b>

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**Task A4 – RPWP Development and Maintenance**

**Objectives:** To maintain a current Rural Transportation Planning Work Program (RPWP) describing rural transportation planning activities to be accomplished by the BCDCOG in the upcoming fiscal year.

**Methodology:**

BCDCOG shall bi-annually prepare, and annually review, a RPWP with a description of work to be accomplished in the following two fiscal years, with cost estimates by activity or task, division of work responsibility, and identification of work items eligible for State Planning and Research (SPR) funding. Specific tasks to achieve this include, but are not limited to, the following:

- Prepare an update to the RPWP annually for consideration and comment by SCDOT.

- Submit the RPWP to the BCDCOG Board of Directors for approval prior to the beginning of the fiscal year.
- Post and publicize availability of the proposed RPWP for public comment.
- Process any necessary modifications to the RPWP with approval by SCDOT.

**Work Schedule and End Products:**

- Prepare draft RPWP for SCDOT review: April 2022, April 2023
- Submit RPWP for BCDCOG approval: May 2022/May 2023

**Responsibility/Partners:**

BCDCOG, SCDOT and Member Governments

**Task A4 Funding Sources FY2022**

<b>FHWA (Rural)</b>	<b>\$2,000.00</b>
<b>LOCAL</b>	<b>\$500.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$2,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>2.35%</b>

**Funding Sources FY2023\***

<b>FHWA (Rural)</b>	<b>\$2,000.00</b>
<b>LOCAL</b>	<b>\$500.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$2,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>2.35%</b>

*\*RPWP budget and projected work product delivery is illustrative until approved by SCDOT*

*Berkeley Charleston Dorchester Council of Governments*

**RURAL PLANNING WORK PROGRAM**

**FY 2022 & FY2023**

**(July 1, 2021 – June 30, 2023)**

**TASK GROUP B**

Rural Short Range Transportation Planning

B1 – Technical Assistance

B2 – Reporting, Data Collection and Analysis

B3 – Geographic Information System (GIS) Maintenance and Utilization

**Task B1 – Technical Assistance**

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**Objectives:** To provide technical assistance with rural transportation planning and related activities to the counties and jurisdictions within the rural transportation planning area

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**Methodology:**

Provide technical assistance to member governments, public and private organizations, and the general public as needed and requested including, but not limited to the following:

- Assist local governments in the assessment, interpretation and enforcement of local land use activities having an impact on transportation systems in the rural area, including provision of training on the use of scenario planning tools.
- Provide technical support to the County Transportation Sales Tax programs to develop project evaluation and programming for implementation.
- Coordinate transportation projects with the County Transportation Committees (CTCs).
- Continue to coordinate with jurisdictions and agencies to enhance bicycle and pedestrian connections consistent with the Palmetto Trail, Francis Marion National Forest master plan and other local and regional plans, including the East Coast Greenway.
- Work with SCDOT on pre-screening of rural transportation projects for environmental, historic, environmental justice, and civil rights concerns within proposed project areas.
- Assist and support local jurisdictions in developing transportation enhancement projects from inception to application and project execution.
- Provide support to SC Works to address the transportation needs of disadvantaged rural residents to/from job training and/or places of employment.
- Coordinate with local municipalities on identification of opportunities to expand broadband access in rural areas to promote regional economic activity and reduce demand on the transportation network.
- Provide local government assistance for all phases of transportation project development, including procurement of consultants for specific engineering, planning or other required services in support of the ongoing planning activities at the COG as needed.
- Assist with preparation of transportation elements for all comprehensive plan updates by member jurisdictions.
- Attend training related to rural programs and current trends in transportation planning methods (including travel and lodging expenses, registration, purchase of publications and other related expenses) to enhance staff capacity.
- Provide support to local transit providers in long term system and ongoing route planning.
- Coordinate with SCDOT Office of Public Transit to facilitate applications made by regional agencies for FTA Sections 5310 and 5311 formula grant programs under the FAST ACT.
- Continue the Mobility Management program to facilitate trip planning assistance and related travel information to citizens and transportation demand management to preserve system capacity.

**Work Schedule and End Products:**

- Copies of meetings and training notices, reports, newsletter articles - Ongoing
- Copies of County CTC project status reports - Ongoing
- Copies of FTA funding grant applications - Ongoing
- Copies of Comprehensive Plan transportation elements: Ongoing

**Responsibility/Partners:** BCDCOG/ BCDCOG member governments, SCDOT, FHWA, FTA and other agencies as appropriate

**Task B1 Funding Sources FY2022**

<b>FHWA (Rural)</b>	<b>\$39,610.00</b>
<b>LOCAL</b>	<b>\$9,903.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$49,513.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>46.60%</b>

**Funding Sources FY2023\***

<b>FHWA (Rural)</b>	<b>\$39,610.00</b>
<b>LOCAL</b>	<b>\$9,903.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$49,513.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>46.60%</b>

*\*RPWP budget and projected work product delivery is illustrative until approved by SCDOT*

**Task B2 – Information Reporting, Data Collection and Analysis**

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**Objectives:** To collect, analyze and utilize various forms of data and prepare publications of such information in support of daily planning operations of the BCDCOG and member jurisdictions.

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**Methodology:**

Staff will collect and disseminate information from and to SCDOT, partner agencies and the public as follows:

- Provide maps and mapping services of transportation networks and traffic count locations for the region.
- Assist local governments and citizens in accessing and interpreting Census data results through production of publications and responding to individual information requests.
- Collect and share statistical information and maps of Census data, population growth trends, building permits, socio-economic data, traffic counts, forecasts and congestion, including non-motorist travel patterns and use of cycling/pedestrian facilities, to individuals, agencies, and organizations in the region.

- Analyze data from Census Transportation Planning Program (CTPP) to delineate commuting patterns in the region.
- Publish statistical and program information on the BCDCOG website and in printed publications.
- Research and monitor economic development and growth trends.
- Compile and report building permit activity throughout the region.
- Track issuance of water quality permits and coordinate update of the regional 208 Plan

**Work Schedule and End Products:**

- Maintain file of all prepared reports on regional trends, newsletter articles and web postings - Ongoing
- Publication of quarterly Construction Activity reports: Quarterly

**Responsibility/Partners:**

BCDCOG, SCDOT and member Governments

**Task B2 Funding Sources FY2022**

<b>FHWA (Rural)</b>	<b>\$5,200.00</b>
<b>LOCAL</b>	<b>\$1,300.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$6,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>6.12%</b>

**Funding Sources FY2023\***

<b>FHWA (Rural)</b>	<b>\$5,200.00</b>
<b>LOCAL</b>	<b>\$1,300.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$6,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>6.12%</b>

\*RPWP budget and projected work product delivery is illustrative until approved by SCDOT

**Task B3 – Geographic Information System (GIS) Maintenance and Utilization**

**Objectives:** To create/maintain/manage various database and software systems necessary for BCDCOG GIS support of planning activities.

**Methodology:**

BCDCOG Staff will provide ongoing GIS maintenance and technical support for various transportation planning activities including analysis for the Long Range Transportation Plan, the Transportation Improvement Program, traffic monitoring and congestion management systems, and freight movement. Anticipated activities include:

- Conduct ongoing GIS maintenance and technical support to include updating and QA/QC of all data layers.
- Coordinate GIS activities within the BCDCOG, and with member jurisdictions, state and federal agencies.
- Continue to participate in statewide and regional forums to ensure efficient data sharing and avoid duplication of efforts.

- Maintain web accessible data feeds, and implement enhanced web mapping applications on a quarterly basis;
- Utilize the GIS to generate internally and externally requested maps and to perform all spatial analysis in creating office publications; and
- Create and update a master transportation network database in ArcGIS to centrally store and manage various transportation related datasets, to support the regional travel demand forecasting system.

**Work Schedule and End Products:**

- Comprehensively review, update and maintain GIS database in coordination with County and State agencies: Ongoing

**Responsibility/Partners:**

BCDCOG, Member Governments, and other agencies as appropriate.

**Task B3 Funding Sources FY2022**

<b>FHWA (Rural)</b>	<b>\$1,200.00</b>
<b>LOCAL</b>	<b>\$300.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$1,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>1.41%</b>

**Funding Sources FY2023\***

<b>FHWA (Rural)</b>	<b>\$1,200.00</b>
<b>LOCAL</b>	<b>\$300.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$1,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>1.41%</b>

\*RPWP budget and projected work product delivery is illustrative until approved by SCDOT

*Berkeley Charleston Dorchester Council of Governments*

**RURAL PLANNING WORK PROGRAM**

**FY 2022 & FY2023**

**(July 1, 2021 – June 30, 2023)**

**TASK GROUP C**

**Rural Long Range Transportation Planning**

C1 – Rural Long Range Transportation Plan (RLRTP)

C2 – Human Service Transportation Coordination

C3 – Multimodal: Freight and Transit Planning

C4 – Transit Service Assistance

C4 – Rural Travel Demand Forecasting

**Task C1 – Rural Long Range Transportation Plan**

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**Objectives:** To implement a long-range transportation plan for the rural planning area that is consistent with SCDOT's Statewide Long Range Transportation Plan. .

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**Methodology:**

The BCDCOG Rural LRTP, updated every five years, guides the leveraging and coordination of investment in the region's rural transportation infrastructure. Activities to accomplish this task include, but are not limited to:

- Collect and maintain socio-economic data and travel characteristics for use in developing Plan updates.
- Coordinate opportunities for public involvement, visioning and goal-setting, project prioritization, and implementation strategies.
- Coordinate with SCDOT to provide current cost estimates and funding projections for projects proposed in the plan.
- Provide staff support to the Rural Transportation Study Committee in its implementation of the plan.
- Coordinate connectivity of bicycle/ pedestrian networks in rural areas as part of a regional master bike/pedestrian plan.

**Task C1 Funding Sources FY2022**

<b>FHWA (Rural)</b>	<b>\$4,000.00</b>
<b>LOCAL</b>	<b>\$1,000.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$5,000.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>4.71%</b>

- Coordinate with SCDOT to prepare any amendments needed to ensure the BCDCOG rural plan is consistent with and implements recommendations of the statewide multimodal transportation plan.
- Ensure coordination between the Rural LRTP and the CHATS LRTP, County Transportation Committee projects, County Sales Tax and SCDOT Transportation Alternative programs.
- Seek funding to implement project-specific, financially feasible long-range initiatives, addressing system upgrades, intersections/safety, freight, bridges, maintenance/resurfacing, signalization, mass transit, and bicycle/pedestrian elements, with assistance from SCDOT.

**Work Schedule and End Products:**

- Maintain documentation file of all meeting notices, summaries or minutes and plan amendments – Ongoing
- Prepare and publish amendments to the Rural LRTP as needed – Ongoing

**Responsibility/Partners:**

BCDCOG, SCDOT and local jurisdictions.

**Funding Sources FY2023\***

<b>FHWA (Rural)</b>	<b>\$4,000.00</b>
<b>LOCAL</b>	<b>\$1,000.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$5,000.00</b>
<b>% OF TOTAL PL BUDGET:</b>	<b>4.71%</b>

*\*RPWP budget and projected work product delivery is illustrative until approved by SCDOT*

**Task C2 –Human Service Transportation Coordination**

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**Objectives:** To provide ongoing updates to the BCD Regional Human Service Transportation Coordination Plan and enhance coordination among the region's human service agencies in order to address the existing gaps and opportunities for transportation services provided and eliminate duplication of services.

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**Methodology:**

In order to accomplish this objective, BCDCOG staff will continue to coordinate and facilitate semi-annual meetings of human service agencies, private providers of services and interested parties to do the following:

- Continue to identify agencies and services that are currently providing transportation to vulnerable population groups and the clientele that is currently being served.

- Assess existing services to determine overlaps and deficiencies in service being provided.
- Identify strategies and recommendations to address inefficiencies and gaps in services available.
- Assist agencies and organizations with implementation of these strategies and recommendations through the BCDCOG's mobility management program.

**Work Schedule and End Products:**

- Coordinate semi-annual meetings of the Human Service Transportation Coordination Committee: Ongoing every six months

**Responsibility/Partners:**

BCDCOG, human services agencies, community services organizations and public/private transportation providers.

**Task C2 Funding Sources FY2022**

<b>FHWA (Rural)</b>	<b>\$2,000.00</b>
<b>LOCAL</b>	<b>\$500.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$2,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>2.35%</b>

**Funding Sources FY2023\***

<b>FHWA (Rural)</b>	<b>\$2,000.00</b>
<b>LOCAL</b>	<b>\$500.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$2,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>2.35%</b>

\*RPWP budget and projected work product delivery is illustrative until approved by SCDOT

**Task C3 – Multimodal Freight and Transit Planning**

**Objectives:** To conduct multi-modal transportation planning in order to effectively address rural freight and rural transit transportation issues as needed.

**Methodology:**

Anticipated activities include:

- Coordinate implementation of the regional Freight Mobility Plan that affects rural areas of the region.
- Provide assistance with collection and/or analysis of freight mobility to use in development a freight module of the regional travel demand model.
- Continue to collect, maintain, and update socioeconomic and land use data for transit planning activities.
- Provide assistance to local rural jurisdictions preparing comprehensive plan updates to integrate transit and freight mobility within the transportation and land use elements as outlined in the RL RTP.

- Participate in the I-95 Corridor Coalition Freight Academy to expand staff freight planning capabilities

**Work Schedule and End Products:**

- Regional Freight Mobility Plan Implementation: Ongoing
- Coordinate with bike/ped advocates on progressing implementation of priority projects identified in WalkBike BCD: Ongoing
- Work with SCDOT on improving Critical Rural Freight Corridors: Ongoing

**Responsibility/Partners**

BCDCOG, SCDOT, FTA, FHWA, SC Ports Authority, transit providers and other organizations as appropriate.

**Task C3 Funding Sources FY2022**

<b>FHWA (Rural)</b>	<b>\$2,894.00</b>
<b>LOCAL</b>	<b>\$724.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$3,618.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>3.41%</b>

**Funding Sources FY2023\***

<b>FHWA (Rural)</b>	<b>\$2,894.00</b>
<b>LOCAL</b>	<b>\$724.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$3,618.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>3.41%</b>

\*RPWP budget and projected work product delivery is illustrative until approved by SCDOT

**Task C4 – Transit Service Assistance**

**Objectives:** To facilitate regional collaboration, coordination and cooperation related to transit initiatives that enhance transit efficiency and effectiveness.

**Methodology:**

Anticipated activities include:

- Assist SCDOT with communication and cooperation among rural transportation providers.
- Assist public and human service agencies in assessing gaps and barriers in transportation delivery for the general public and disadvantaged groups in the region.
- Assist in the assessment of mobility and multimodal needs related to economic development, including implementation of the Rural Workforce Training Study recommendations.
- Continue regional Mobility Management activities, to advocate use of alternative transportation services and coordinate transportation for individuals seeking assistance with transportation needs.
- Facilitate opportunities for stakeholder meetings related to coordination of transit services, including but not limited to, implementation of the region’s Transit Consolidation Plan.

- Assist SCDOT in dissemination of announcements and application packages for FTA funding opportunities available to transit and human service transportation providers in the region.
- Assist SCDOT in evaluation and prioritization of recommended projects to enhance transit and transportation services for disadvantaged populations in rural areas of the region.
- Assist Tri-County Link with various planning studies, route evaluations, and technical assistance to enhance service connecting the rural system routes with service to the urban portions of the region and Charleston Area Regional Transportation Authority (CARTA) transfer points. Also assist Tri-County Link in meeting data reporting requirements to SCDOT.

**Work Schedule and End Products:**

Anticipated activities are ongoing tasks

**Responsibility/Partners**

BCDCOG / SCDOT OPT Transit providers and other organizations as appropriate.

**Task C4 Funding Sources FY2022**

<b>FHWA (Rural)</b>	<b>\$10,000.00</b>
<b>LOCAL</b>	<b>\$2,500.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$12,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>11.76%</b>

**Funding Sources FY2023\***

<b>FHWA (Rural)</b>	<b>\$10,000.00</b>
<b>LOCAL</b>	<b>\$2,500.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$12,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>11.76%</b>

\*RPWP budget and projected work product delivery is illustrative until approved by SCDOT

**Task C5 – Rural Travel Demand Forecasting**

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**Objectives:** To develop and maintain travel forecasting capability by building off the current regional CHATS travel demand model and applying the tool to rural areas.

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**Methodology:**

BCDCOG will continue to enhance capacity of the current travel demand model particularly in areas outside the Charleston-North Charleston urbanized area to ensure rational planning and evaluation of the regional transportation systems by conducting the following activities:

- Continue to collect, maintain, and update socio-economic data, land use forecasts, and roadway network geography for rural areas in the travel demand model
- Expand model geography to encompass rural areas previously designated as potentially “constrained” for future growth per County policies
- Employ the travel demand model to predict variations in travel patterns and utilization of transportation system in

response to changes in demographics, development, and transportation infrastructure upgrades

- Update key model components as applicable to stay abreast of current growth trends and reflect a horizon year of at least 25 years from model base conditions
- Provide technical support and oversight to rural municipalities to evaluate transportation planning projects and/or initiatives within their jurisdictions

**Work Schedule and End Products:**

- Identify funding sources for updating the Travel Model Database Inputs (socio-economic, land use, networks) – Ongoing
- Implement Model Updates: – Ongoing
- Provide Model Application & Support: Ongoing
- Model Outputs: As requested

**Responsibility/Partners:**

BCDCOG, transit providers, SCDOT and other agencies as appropriate

**Task C5 Funding Sources FY2022**

<b>FHWA (Rural)</b>	<b>\$2,895.00</b>
<b>LOCAL</b>	<b>\$724.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$3,619.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>3.41%</b>

**Funding Sources FY2023\***

<b>FHWA (Rural)</b>	<b>\$2,895.00</b>
<b>LOCAL</b>	<b>\$724.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$3,619.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>3.41%</b>

\*RPWP budget and projected work product delivery is illustrative until approved by SCDOT

*Berkeley Charleston Dorchester Council of Governments*

**RURAL PLANNING WORK PROGRAM**

**FY 2022 & FY2023**

**(July 1, 2021 – June 30, 2023)**

**TASK GROUP D**

**Rural Transportation Improvement Program (RTIP)**

D1 – Rural Transportation Improvement Program (RTIP) Development and Maintenance

**Task D1 – Rural Transportation Improvement Program Development and Maintenance**

**Objectives:** Maintain an updated Rural Transportation Improvement Plan (RTIP) which extends out for the seven fiscal years that is reflected in the Statewide TIP.

**Methodology:**

The BCDCOG will coordinate with the Rural Transportation Study Team, SCDOT and local jurisdictions to maintain the current rural TIP for FY2021-2027 in accordance with SCDOT STIP Development Schedule. Activities for this task will include:

- Continue to meet with local jurisdictional transportation departments and CTCs to identify future improvements in local plans, projected costs and funding sources.
- Continue discussions with the Rural Transportation Study Team to consider requested amendments to the RTIP.
- Coordinate with SCDOT to ensure the RTIP continues compliance with all federal and state requirements.
- Maintain the current and updated RTIP as necessary, in cooperation with the SCDOT and local government agencies.

**Task D1 Funding Sources FY2022**

<b>FHWA (Rural)</b>	<b>\$2,000.00</b>
<b>LOCAL</b>	<b>\$500.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$2,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>2.35%</b>

- Coordinate public reviews, final approvals, adoption and distribution.
- In cooperation with SCDOT, ensure the STIP and BCDCOG RTIP are consistent and reflect actions by SCDOT's Commission, including a financial plan and summary of the project's purpose and need, and an Act 114 rating procedure and score.

**Work Schedule and End Products:**

- Maintain file of Rural Study Team meeting notices and minutes: Ongoing
- Maintain file of BCDCOG/SCDOT correspondence on STIP/RTIP amendments and corrections: Ongoing
- Prepare draft RTIP amendments: Ongoing

**Responsibility/Partners:**

BCDCOG, SCDOT, Member Governments, and other agencies as appropriate.

**Funding Sources FY2023\***

<b>FHWA (Rural)</b>	<b>\$2,000.00</b>
<b>LOCAL</b>	<b>\$500.00</b>
<b>OTHER</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$2,500.00</b>
<b>% OF TOTAL BUDGET:</b>	<b>2.35%</b>

<b>SUMMARY of ANNUAL BUDGET (per year): FY2022 and FY2023 RPWP</b>				
<b>TASK</b>			<b>FUNDING SOURCES</b>	
<b>TASK ID</b>	<b>TASK DESCRIPTION</b>	<b>FHWA-Rural Planning</b>	<b>BCDCOG Match for FHWA- Rural Planning</b>	<b>Total</b>
<b>A1</b>	<b>General Administration</b>	\$10,000	\$2,500	\$12,500
<b>A2</b>	<b>Professional Services</b>	\$2,000	\$500	\$2,500
<b>A3</b>	<b>Public Participation</b>	\$1,200	\$300	\$1,500
<b>A4</b>	<b>Rural Planning Work Program Development &amp; Maintenance</b>	\$2,000	\$500	\$2,500
<b>Total</b>		<b>\$15,200</b>	<b>\$3,800</b>	<b>\$19,000</b>
<b>B1</b>	<b>Technical Assistance</b>	\$39,610	\$9,903	\$49,513
<b>B2</b>	<b>Reporting, Data Collection and Analysis</b>	\$5,200	\$1,300	\$6,500
<b>B3</b>	<b>Geographic Information System Maintenance and Utilization</b>	\$1,200	\$300	\$1,500
<b>Total</b>		<b>46,010</b>	<b>\$11,503</b>	<b>\$57,513</b>
<b>C1</b>	<b>Rural Long Range Transportation Plan</b>	\$4,000	\$1,000	\$5,000
<b>C2</b>	<b>Human Service Transportation Coordination</b>	\$2,000	\$500	\$2,500
<b>C3</b>	<b>Multimodal Freight and Transit Planning</b>	\$2,894	\$724	\$3,618
<b>C4</b>	<b>Transit Service Assistance</b>	\$10,000	\$2,500	\$12,500
<b>C5</b>	<b>Rural Travel Demand Model</b>	\$2,895	\$724	\$3,619
<b>Total</b>		<b>\$21,789</b>	<b>\$5,448</b>	<b>\$27,237</b>
<b>D1</b>	<b>Rural Transportation Improvement Program</b>	\$2,000	\$500	\$2,500
<b>Total</b>		<b>\$2,000</b>	<b>\$500</b>	<b>\$2,500</b>
<b>Grand Total</b>		<b>\$85,000</b>	<b>\$21,250</b>	<b>\$106,250</b>