This document was a cooperative effort of the US Department of Transportation (USDOT), Federal Highway Administration, the Federal Transit Administration, the Alabama Department of Transportation, and prepared by the Regional Planning Commission of Greater Birmingham, as staff to the MPO, in partial fulfillment of Task 3.0 of the FY2012 UPWP and requirements set forth in amended Title 23 USC 134 and 135 (MAP-21, Sections 1201 and 1202, July 2012). The contents of this report do not necessarily reflect the official views or policy of the USDOT.
Birmingham Metropolitan Planning Organization

Unified Planning Work Program (UPWP)

Membership

Fiscal Year 2014

Metropolitan Planning Organization
Chair: Mayor Thomas Henderson, City of Center Point
Vice Chair: Councilor Maxine Herring Parker, City of Birmingham
Secretary: Mr. Tim Westhoven, City of Hoover

Transportation Citizens Committee
Chair: Ms. Jackie Dye, Shelby County
Vice Chair: Mr. Willie Osborne, City of Birmingham

Transportation Technical Committee
Chair: Mr. Greg Dawkins, Birmingham Traffic Engineer
Vice Chair: Mr. Rod Long, City of Hoover, Engineer

Regional Planning Commission of Greater Birmingham
Staff to the MPO
Mr. Charles Ball, Executive Director
Mr. Scott Tillman, Director of Planning and Operations
Mr. Darrell Howard, Deputy Director of Planning
Ms. Lindsay Gray, Deputy Director of Operations
TRANSPORTATION CITIZENS COMMITTEE (TCC)  
May 2013

Chair: Jackie Dye, Shelby County  
Vice Chair: Willie Osborne, City of Birmingham

Joanne Adcock, East/Northeast Jefferson County  
Anna Brown, City of Birmingham  
Lawrence Clark, Shelby County  
Nancy Clark, Shelby County  
Peggy Cochran, South/Southeast Jefferson County  
Elizabeth Denson, City of Birmingham  
Butch Ferrell, West/Southwest Jefferson County  
Ouida Fritschi, South/Southeast Jefferson County  
Harry Giddens, City of Birmingham  
Joel Gilbert, City of Birmingham  
Richard Goldstein, South/Southeast Jefferson County  
Judy Gordon, South/Southeast Jefferson County  
Pat Hall, East/Northeast Jefferson County  
Jeff Havercroft, Shelby County  
Bruce Ludwig, South/Southeast Jefferson County  
Barbara McKenna, East/Northeast Jefferson County  
Pittman Owen, City of Birmingham  
Johnny Peebles, III, South/Southeast Jefferson County  
T. H. Robertson, East/Northeast Jefferson County  
Ruthie Royster, City of Birmingham  
Calvin Rumph, Shelby County  
John Springer, City of Birmingham  
Phillip Wiedmeyer, South/Southeast Jefferson County
TRANSPORTATION TECHNICAL COMMITTEE (TTC)
May 2013

Chair: Greg Dawkins, City of Birmingham Traffic Engineer
Vice-Chair: Rod Long, City of Hoover Representative

Richard Abel, CLASTRAN Representative
Alfredo Acoff, ALDOT Design Bureau Representative - Montgomery
Ken Boozer, Jefferson County Dept. of Roads and Transportation Representative
Chris Brady, City of Vestavia Hills Representative
Richard Caudle, At-Large
Sheila Chaffin, UAB Campus Planning Representative
Fenn Church, Trucking Representative
Matthew Cobb, City of Homewood Representative
Scott Cothron, At-Large
Dan Dahlke, St. Clair County Engineer Representative
Richard Darden, At-Large
Al Folcher, At-Large
Doug Hale, Bicycle/Pedestrian Representative
Chris Hatcher, REV Birmingham Representative
Fred Hawkins, At-Large
George Henry, City of Alabaster Representative
Scott Holladay, Shelby County Highway Department Representative
Denise Hornbuckle, Traffic Safety Representative
Jason Howanitz, Jefferson County Department of Health Representative
David Hunke, At-Large
Elizabeth Lawlor, Railroad Representative
Chris Leffert, BJCTA Representative
Rod Long, City of Hoover Representative
Tom Magee, City of Birmingham Chief Planner Representative
Charles Malone, ALDOT Maintenance Representative, Birmingham
Wallace McCord, At-Large
Emmanuel Oranika, PhD, ALDOT Metropolitan Transportation Planning Administration Representative
Blair Perry, At-Large
Bob Portera, At-Large
Chris Reeves, At-Large
Alicia Rudolph, At-Large
Winston Sitton, Blount County Engineer Representative
Keith Strickland, At-Large
Andrew Sullivan, At-Large
Lance Taylor, ALDOT Preconstruction Engineer 3rd Division Representative
Eric Womack, Shelby County Development Services Representative
Abigail Rivera, Federal Transit Administration Representative (Non-Voting Member)
Nan Baldwin, Birmingham Business Alliance Representative (Non-Voting Member)
Ron Gore, ADEM Air Division Chief (Non-Voting Member)
Dave Harris, Federal Highway Administration Representative (Non-Voting Member)
Policy Committee
May 2013

Chair: *Thomas Henderson, Mayor of Center Point, Jefferson County Municipalities
Vice Chair: Maxine Herring Parker, Councilor, City of Birmingham
Secretary: *Mr. Tim Westhoven, City of Hoover, Jefferson County

Valerie Abbott, Councilor, City of Birmingham
Tracey Adams, City of Birmingham
Tommy Alexander, Mayor of Irondale, Jefferson County Municipalities
Lindsey Allison, Shelby County
*Allen Armstrong, Blount County
*Delor Baumann, Mayor of Hueytown, Jefferson County Municipalities
*William Bell, Mayor, City of Birmingham
*Andre Bittas, Director, City of Birmingham
Jerry Brasseale, Mayor of Pleasant Grover, Jefferson County Municipalities
*Joyce Brooks, BJCTA
*Sandra Little Brown, Commissioner, Unincorporated Jefferson County
*Randy Cole, Engineer, Shelby County
*Brian Davis, Alabama Department of Transportation 3rd Division
Greg Dawkins, Traffic Engineer, City of Birmingham
Mark Hall, Shelby County
Marty Handlon, Shelby County – Alabaster
*Johnny Harris, Alabama Department of Transportation 1st Division
Harvey Henley, Unincorporated Jefferson County
*Scott Holladay, Shelby County
*David Hunke, Shelby County
*Walter Jackson, Unincorporated Jefferson County
David Jones, St. Clair County
Joe Knight, Commissioner, Unincorporated Jefferson County
*Joe Lee, St. Clair County
Rod Long, City of Hoover, Shelby County
Tom Magee, Chief Planner, City of Birmingham
Roger McCondichie, Mayor of Brookside, Jefferson County Municipalities
Gene Melton, Mayor of Trussville, Jefferson County Municipalities
Lawrence Oden, Mayor of Mountain Brook, Jefferson County Municipalities
Pam Palmer, Mayor of Adamsville, Jefferson County Municipalities
Steve Parsons, Mayor of Sylvan Springs, Jefferson County Municipalities
Allen Pate, Hoover – Jefferson County
Othell Phillips, Mayor of Gardendale, Jefferson County Municipalities
*Kimberly Rafferty, Councilor, City of Birmingham
Gary Richardson, Mayor of Midfield, Jefferson County Municipalities
*Gary Stricklin, Blount County Public Transportation
*Joe Thomas, St. Clair County Public Transportation
Loxcil Tuck, Mayor of Tarrant, Jefferson County Municipalities
Gary Waters, Shelby County
*Alberto Zaragoza, Mayor of Vestavia Hills, Jefferson County Municipalities
Mark Bartlett, Division Administrator, Federal Highway Administration (Non-Voting Member)
Robert Jilla, Bureau Chief, Transportation Planning & Modal Programs, ALDOT (Non-Voting Member)
Kurt Wallace, State of Alabama – State Representative (Non-Voting Member)
Slade Blackwell, State of Alabama – State Senator (Non-Voting Member)

*Denotes Advisory Committee
RESOLUTION 2013-________

Birmingham Metropolitan Planning Organization (MPO)
Adopting the FY2014 Unified Planning Work Program
As prepared by the Regional Planning Commission of Greater Birmingham

WHEREAS, the Birmingham Metropolitan Planning Organization (MPO) is the organization designated by the Governor of the State of Alabama as being responsible, together with the State of Alabama, for implementing the applicable provisions of amended 23 USC 134 and 135 (MAP-21, Sections 1201 and 1202, July 2012); 23 CFR 450 and 500; 42 USC 7401 et al.; 40 CFR 51 and 93; and,

WHEREAS, the U. S. Department of Transportation requires all urbanized areas, as established by the U. S. Bureau of the Census, doing area-wide urban transportation planning that involves more than one Department of Transportation operating administration, to submit a Unified Planning Work Program as a condition for meeting the provisions of Title 23, U. S. Code, Section 134; and,

WHEREAS, consistent with the declaration of these provisions, the Regional Planning Commission of Greater Birmingham, in cooperation with the Alabama Department of Transportation, has prepared a Unified Planning Work Program for Fiscal Year 2014; and,

WHEREAS, pursuant to its duties, functions, and responsibilities, the Birmingham Metropolitan Planning Organization, in session this __________ day of _____, 2013, did review and evaluate the aforementioned Unified Planning Work Program, summarized on the attached pages; now,

THEREFORE, BE IT RESOLVED by the Birmingham Metropolitan Planning Organization (MPO) that the same does hereby adopt said Unified Planning Work Program for FY2014.

ADOPTED, this the _____ day of __________, 2013

__________________________________________Date____________________
Mayor Tom Henderson, Chairman
Policy Committee
Birmingham Metropolitan Planning Organization

ATTEST:

__________________________________________Date____________________
Charles Ball, Executive Director
Regional Planning Commission of Greater Birmingham
# TABLE OF CONTENTS

The Transportation Planning Process .................................................................................................................. 1

**Task 1.0** Administration ............................................................................................................................................. 5
   1.1 MPO Administration ......................................................................................................................................... 5
   1.2 Unified Planning Work Program ...................................................................................................................... 7
   1.3 Capital and Operating Purchases .................................................................................................................. 8
   1.4 Education and Training .................................................................................................................................. 10
   1.5 Continuity of Operations Plan ..................................................................................................................... 11

**Task 2.0** Planning Information .............................................................................................................................. 12
   2.1 Data Collection and Management .................................................................................................................. 12
   2.2 Data Analysis / Forecasting ........................................................................................................................... 14
   2.3 Geographic Information Systems .................................................................................................................. 16
   2.4 Model Development Program ..................................................................................................................... 18

**Task 3.0** Public Involvement ................................................................................................................................. 20

**Task 4.0** Environmental Process Planning ........................................................................................................ 22
   4.1 Air Quality Planning ....................................................................................................................................... 22
   4.2 Environmental Consultation Process ............................................................................................................. 23
   4.3 Advance Planning, Programming and Logical Engineering (APPLE) ......................................................... 25
   4.4 Climate Change ............................................................................................................................................... 27

**Task 5.0** Transportation Systems ........................................................................................................................ 29
   5.1 Regional Transportation Plan ......................................................................................................................... 29
   5.1.1 Air Quality Conformity Analysis and Reporting (RTP) ......................................................................... 31
   5.1.2 Amend Regional Transportation Plan Project Listings for Air Quality Conformity ............................. 33
   5.2 Transportation Improvement Program (TIP) ............................................................................................... 34
   5.2.1 Amend TIP Project Listings for Air Quality Conformity ....................................................................... 36
   5.3 Thoroughfare Planning .................................................................................................................................. 37
   5.4 Public Transportation Planning .................................................................................................................... 38
   5.5 Active Transportation Planning .................................................................................................................. 41
   5.6 Logistics Systems Planning ........................................................................................................................ 43
   5.7 Transportation System Performance Management and Monitoring ....................................................... 45
   5.8 Transportation Safety and Security Planning .............................................................................................. 49
   5.9 Technical Assistance for Local Communities and Agencies ...................................................................... 51

**Task 6.0** Program Planning ................................................................................................................................... 53
   6.1 CommuteSmart Program (Rideshare) ........................................................................................................... 53
   6.2 Building Communities Program .................................................................................................................. 55

**Task 7.0** Special Projects and Corridor Management Planning ........................................................................... 56
   7.1 U.S. 11 East / U.S. 78 East Corridor Alternatives Analysis ........................................................................ 56
   7.2 Corridor Planning and Development Support ............................................................................................ 57

viii
APPENDICES

List of Acronyms...........................................................................................................................A-1

Table 1: FY 2014 Organizational Responsibility, Federal $ .................................................................A-2

Table 2: FY 2014 Funding Sources .......................................................................................................A-4

MPO Organization Chart .....................................................................................................................A-5

Metropolitan Planning Area/Transportation Management Area Map ....................................................A-6

Livability Indicators ............................................................................................................................B-1
THE TRANSPORTATION PLANNING PROCESS
For the Birmingham Metropolitan Planning Area

Overview
As a condition to the receipt of federal highway and transit capital or operating assistance, each metropolitan planning area (MPA) is required to have a transportation planning process. This process, in general, includes the development of a long-range or regional transportation plan, a short-range transportation improvement program, a plan to promote attainment of air quality standards, a human services coordinated transportation plan, and a planning work program, which includes planning and project development activities to address other transportation issues.

Certification of the transportation planning process is conducted every four years by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) under the requirements of the Moving Ahead for Progress in the 21st Century (MAP-21) and is necessary to receive surface transportation program, air quality, national highway system, interstate maintenance, state bridge replacement, and transit capital and operating funds. A decertified process would result in the loss of approximately $50,000,000 per year. The Birmingham Metropolitan Planning Organization (MPO) membership is geographically representative of the metropolitan planning area, the entire boundaries of Jefferson, Shelby and portions of Blount and St. Clair Counties, based upon the most recent decennial U. S. Census (2010) and is responsible for the development of the required products.

The Regional Planning Commission of Greater Birmingham (RPCGB) is the designated recipient of U.S. Department of Transportation (USDOT) planning funds used to assist the MPO in the performance of its responsibilities. These funds are designated by the State in agreement with local governments. The MPO’s multi-jurisdictional responsibility is provided by the RPCGB. Two additional committees provide information and recommendations to the MPO Policy Committee - the Transportation Citizens Committee and Transportation Technical Committee.

Work tasks described in this report are conducted on a continual basis. An agreement among the Alabama Department of Environmental Management (ADEM), Alabama Department of Transportation (ALDOT), Birmingham-Jefferson County Transit Authority (BJCTA), RPCGB, Jefferson County Department of Health (JCDH), and the MPO outline the responsibility of each organization in the transportation planning process.

Purpose
The Unified Planning Work Program (UPWP) is the document that guides the MPO in fulfilling its planning responsibilities for the upcoming year. The primary objective of the UPWP is the development of an integrated planning program that considers the planning activities of each modal group and coordinates these activities to produce a total transportation plan serving all segments of the population. The UPWP presents the budget and work tasks necessary to accomplish and maintain the transportation planning process within the Birmingham metropolitan planning area for FY 2014.

Scope of the Planning Process
The planning tasks for FY 2014 reflect the original Safe, Accountable, Flexible, Efficient, Transportation Equity Act: a Legacy for Users (SAFETEA-LU) eight planning factors and these are retained in MAP-21 as the Scope of the Planning Process. The United States Code (USC) or law, is found under 23 USC 134(d)(1) A-H. The interpretative CFRs remain in 23 CFR 450.306(a).
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 accessibility and mobility of people and freight;
5. Protect and enhance the environment, promote energy conservation, improve 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; and
8. Emphasize the preservation of the existing transportation system.

The committee process is the basis for conducting UPWP tasks. Meetings of the Transportation Citizens Committee, Transportation Technical Committee, MPO Advisory Committee, and the MPO Policy Committee are held monthly or as needed. In addition to the four transportation committees, subcommittees and joint committees are regularly used for the development of the Transportation Improvement Program (TIP), Regional Transportation Plan (RTP), congestion management activities, and major transit projects.

Most traditional tasks are funded with planning funds (PL). Specialized tasks related to ridesharing, air quality, and local land use/transportation utilizes supplemental funds from the Congestion Mitigation Air Quality Program (CMAQ) and Surface Transportation Program (STP). Large-scale transit planning projects are funded through the FTA and congressional earmark.

Livability Principles
Increasingly, federal and state agencies are using Performance Measures as a way of ensuring greater accountability for the expenditure of public funds in an ever growing number of programs and activities across a variety of disciplines. Within the transportation sector and the planning processes associated with transportation infrastructure development, ALDOT has adopted the Livability Principles and Indicators as a sustainability measurement against future actions.

All planning tasks will be measured against these Livability Principles:

1. Provide more transportation choices.
2. Promote equitable, affordable housing.
3. Enhance economic competitiveness.
4. Support existing communities.
5. Coordinate policies and leverage investment.

As a measure of sustainability of these principles, the MPO has developed a candidate list of Livability Indicators:

1. Mode Share – percent of travelers using different travel modes.
2. Jobs/Housing Balance – total number of jobs/total housing by area.
3. Travel Time Index – congested vs. free-flow travel time.
4. Number of crashes/incidents by travel mode (community safety emphasis).
5. Project Funding Diversity – percent of transportation projects utilizing multiple funding sources (federal, state, local).
6. Partnerships and Public Involvement – number of partnerships and documentation of PI Activities.

The Indicators will be used in the development and presentation of data for the following plan documents: Long Range or Regional Plan, Transportation Improvement Program, Public Participation Plan, Congestion Management Plan (TMAs only), and the Air Quality Conformity Report (as applicable).

**Vision**

Following is the vision statement for the Birmingham metropolitan area:

*Transportation has become the connective tissue of the region. By foot, by bike, by car, or by public transportation, residents experience reduced congestion and higher mobility, both of which are the result of four important decisions:*

1. *Preserving and improving the existing local and interstate highways;*
2. *Developing a responsive, efficient, and highly effective public transportation system;*
3. *Supporting the use of alternative transportation modes; and*

The UPWP, as outlined in this document, contains work tasks necessary for the RPCGB, BJCTA, and the ALDOT to conduct transportation planning activities for the Birmingham Metropolitan Planning Area (MPA). The Birmingham Metropolitan Planning Organization (MPO) is a Transportation Management Area (TMA) according to 49 USC 5305.
This page left intentionally blank
1.1 MPO Administration

Objectives
To provide transportation committees, agencies, governments, and the general public with transportation-related information, education, and training, to support emergency transportation operations, and to promote federal, state, and local transportation initiatives.

Previous Work
- Prepared for and attended monthly committee meetings; participated in meetings with various local, regional, and state organizations.
- Attended RPCGB Board meetings and Annual Meeting
- Prepared and submitted invoices to ALDOT and reviewed RPCGB financial statements
- Provided information to the RPCGB auditors and reviewed audit report
- All agreements were reviewed for consistency with bylaws
- Provided information and assistance to individuals, businesses, organizations and committees
- Participated in cooperative efforts with agencies and organizations.

Proposed Work
A. MPO Meetings
   Monthly business (MPO Policy Committee) and committee (MPO Transportation Citizens, Technical, and Advisory) meetings

B. Ad Hoc Committees
   Periodic MPO ad hoc committee (TIP Subcommittee, Congestion Management, Active Transportation, and Transit) meetings

C. RPCGB Board, Committee, and Annual Meetings
   Attend RPCGB Board Meetings and attend RPCGB Annual Meeting.

D. Financial Administration
   - Invoicing - Prepare and submit monthly invoices to ALDOT and review the RPCGB monthly financial statement.
   - Audits - Provide information to the RPCGB auditors and review the draft and final audit report.
   - Agreements - Review agreements for consistency with bylaws.

E. Information and Technical Assistance
   Provide information and assistance to individuals, businesses, organizations, and committees.

F. Coordination and Cooperation
   Participate in cooperative efforts with agencies and organizations. Some activities for FY 2014 include meetings and committee participation with various local, regional, and state organizations.

Products
A. Committee agendas, notices, resolutions, and minutes
B. Invoices to ALDOT
C. Staff services necessary to ensure certification of the transportation planning process

Staffing
Regional Planning Commission of Greater Birmingham
**Timeline for Proposed Work**

None

**Financial Responsibility**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td><strong>$172,785</strong></td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td><strong>$138,228</strong></td>
</tr>
<tr>
<td>Local</td>
<td><strong>$34,557</strong></td>
</tr>
</tbody>
</table>
1.2 Unified Planning Work Program

**Objectives**
To produce a document that outlines work and identifies the planning priorities and activities to be carried out within the Birmingham MPA.

**Previous Work**
- A UPWP, which identifies tasks and funding sources, was adopted by the Transportation Citizens Committee, Transportation Technical Committee, MPO Subcommittee, and MPO.
- Two Semi-Annual reports were produced for ALDOT review, noting the status of tasks and the Disadvantaged Business Enterprise (DBE) participation.

**Proposed Work**
A. Task Development - The UPWP activities are identified by using the planning emphasis areas for expenditure of planning (PL) funds and tasks programmed in the TIP. Priorities for funding are determined from the National Planning Goals and federal planning factors, the interests of the transportation committees, and the RPCGB Strategic Plan.

B. Two semi-annual reports will be drafted, April 2014 and October 2014, noting the status of tasks and the DBE participation. Staff will complete the reports and submit to ALDOT for review.

C. Prepare a Draft and Final FY2015 UPWP

**Products**
- Draft and Final UPWP for FY 2015
- Semi-annual reports, with DBE participation

**Staffing**
Regional Planning Commission of Greater Birmingham

**Timeline for Proposed Work**
- FY 2014 UPWP - June 2013
- FY 2014 Semi-annual reports, with DBE participation - April and October 2014
- Draft and Final FY2015 UPWP, Summer 14

**Financial Responsibility**

<table>
<thead>
<tr>
<th>Total</th>
<th>$15,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL (FHWA)</td>
<td>$12,000</td>
</tr>
<tr>
<td>Local</td>
<td>$3,000</td>
</tr>
</tbody>
</table>
1.3 Capital and Operating Purchases

Objectives
To maintain, upgrade, and purchase software and hardware for the purpose of gathering information, simplifying tasks, and articulating data to support transportation planning functions.

Previous Work
Purchased demographic information.

Proposed Work
Software purchases, including license/maintenance fees and upgrades, are regularly made for geographic information systems, surveys, databases and spreadsheets, graphics, and operating systems. Capital purchases to include servers, personal computers and peripherals, and hardware/software for field data collection.

As outlined in the “Agreement for Administering U.S. Department of Transportation Financial Assistance for Financial Assistance for Transportation Planning between the State of Alabama and the Regional Planning Commission of Greater Birmingham,” Article 21 states, in part, “All purchases over $1,500 must be approved by the State, in advance, in writing, to be eligible for reimbursement.” Further, ALDOT requires anticipated purchases in excess of $5,000 to have a line item entry in the UPWP.

The following capital and operating equipment is programmed:

<table>
<thead>
<tr>
<th>Product</th>
<th>Cost</th>
<th>UPWP Task</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>ArcEditor CU/SU</td>
<td>$7,500</td>
<td>2.3</td>
<td>Desktop software licenses for GIS analysis and mapping.</td>
</tr>
<tr>
<td>ArcView CU</td>
<td>$2,200</td>
<td>2.3</td>
<td>Desktop software licenses for GIS analysis and mapping.</td>
</tr>
<tr>
<td>ArcView SU</td>
<td>$700</td>
<td>2.3</td>
<td>Desktop software licenses for GIS analysis and mapping.</td>
</tr>
<tr>
<td>Spatial Analyst</td>
<td>$500</td>
<td>2.3</td>
<td>Desktop extension license for GIS analysis.</td>
</tr>
<tr>
<td>Network Analyst</td>
<td>$500</td>
<td>2.3</td>
<td>Desktop extension license for GIS analysis.</td>
</tr>
<tr>
<td>3D Analyst</td>
<td>$500</td>
<td>2.3</td>
<td>Desktop extension license for GIS analysis.</td>
</tr>
<tr>
<td>ArcServer Enterprise Basic</td>
<td>$3,400</td>
<td>2.3</td>
<td>GIS server software application.</td>
</tr>
<tr>
<td>RLM Map Publisher</td>
<td>$549</td>
<td>2.2</td>
<td>Desktop extension license for GIS map production.</td>
</tr>
<tr>
<td>ArcGIS Online</td>
<td>$2,500</td>
<td>2.3</td>
<td>GIS subscription service for cloud-based map publishing.</td>
</tr>
<tr>
<td>ESRI Community Analyst</td>
<td>$3,995</td>
<td>2.3</td>
<td>GIS subscription service for data profiles and analysis.</td>
</tr>
<tr>
<td>CommunityViz</td>
<td>$850</td>
<td>2.2</td>
<td>Desktop software license for GIS data analysis and modeling.</td>
</tr>
<tr>
<td>Southern Exposure</td>
<td>$1,050</td>
<td>2.2</td>
<td>Construction Permits and Housing Market Data for socioeconomic and economic forecasting/analysis.</td>
</tr>
<tr>
<td>Information</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adobe CS6</td>
<td>$1,899</td>
<td>2.2</td>
<td>Software upgrade for online map publishing and document production.</td>
</tr>
<tr>
<td>InfoGroup</td>
<td>$7,000</td>
<td>2.1</td>
<td>Employment data purchase for GIS analysis.</td>
</tr>
<tr>
<td>Geolytics</td>
<td>$1,000</td>
<td>2.1</td>
<td>Demographic and socioeconomic data purchase for GIS analysis.</td>
</tr>
<tr>
<td>Woods and Poole</td>
<td>$395</td>
<td>2.2</td>
<td>Demographic and socioeconomic data purchase for analysis and forecasting.</td>
</tr>
<tr>
<td>eREMI</td>
<td>$8,000</td>
<td>2.2</td>
<td>Economic analysis tool subscription for industry specific analysis and forecasting.</td>
</tr>
<tr>
<td>Product</td>
<td>Cost</td>
<td>UPWP Task</td>
<td>Purpose</td>
</tr>
<tr>
<td>-------------------------</td>
<td>--------</td>
<td>-----------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>LRS Data Acquisitions</td>
<td>$2,500</td>
<td>2.2</td>
<td>Transportation data purchases for LRS event table production, GIS analysis, and model forecasting.</td>
</tr>
<tr>
<td>Socialmentum/MindMixer</td>
<td>$6,000</td>
<td>3.0</td>
<td>Software licensing and technical support for online public engagement</td>
</tr>
<tr>
<td>Responseware Seat License</td>
<td>$4,900</td>
<td>3.0</td>
<td>Software licensing and technical support for online public engagement</td>
</tr>
<tr>
<td><strong>TOTAL ANNUAL COSTS</strong></td>
<td><strong>$55,938</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Products**
- A. Software and upgrades
- B. Hardware and servers
- C. License and maintenance fees

**Staffing**
Regional Planning Commission of Greater Birmingham

**Timeline for Proposed Work**
None

**Financial Responsibility**
- Total: $55,938
- PL (FHWA): $44,750
- Local: $11,188
1.4 Education and Training

Objectives
To develop and maintain technical proficiency of staff in order to enable proper guidance and development of the planning process.

Previous Work
Staff members attended, made presentations at, hosted, and assisted with organization of workshops, conferences, and trainings. Subscribed to and read relevant professional publications.

Proposed Work
Attend, make presentations, host, and/or assist with organization of workshops, conferences, and trainings. Subscribe to and read relevant professional publications.

Products
A. Knowledgeable staff
B. Workshops, conferences, and trainings to include:
   ▪ Annual Transportation/Planning Conference
   ▪ Bi-monthly (6 total) Brown Bag Lunch and Learn Seminars

Staffing
Regional Planning Commission of Greater Birmingham

Timeline for Proposed Work
None

Financial Responsibility
<table>
<thead>
<tr>
<th>Total</th>
<th>$37,500</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL (FHWA)</td>
<td>$30,000</td>
</tr>
<tr>
<td>Local</td>
<td>$7,500</td>
</tr>
</tbody>
</table>
1.5 Continuity of Operations Plan (COOP)

**Objectives**
To maintain and update the COOP for the Birmingham MPA, which will allow for rapid recovery from a disaster to resume the transportation planning process.

**Previous Work**
Tested data implementation of COOP and found issues in activation. Proposed changes for system to be enacted in latter half of FY2012 and 1st quarter of FY2013.

**Proposed Work**
A. Implement COOP activities, including procedures, activation, alternate operations, reconstitution and termination, and information technology.

B. Upgrade software and data capacity of the COOP system in final quarter of FY2013.

**Products**
A. COOP implementation activities
B. COOP training and exercises
C. Upgrade software and data capacity of the COOP system

**Staffing**
Regional Planning Commission of Greater Birmingham

**Timeline for Proposed Work**
None

**Financial Responsibility**
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$6,250</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$5,000</td>
</tr>
<tr>
<td>Local</td>
<td>$1,250</td>
</tr>
</tbody>
</table>
2.1 Data Collection and Management

**Objective**
To collect, create, and maintain data in support of local and regional transportation and community planning projects.

**Previous Work**
The RPCGB has maintained its subscription of demographic and socioeconomic datasets from Nielsen Claritas and Woods and Poole Economics. Development trends have continued to be monitored, and additional/updated data sets have been collected or created for use in planning objectives.

In FY 2013, the RPCGB updated the region’s demographic and socioeconomic information considering existing and projected year data specific to income, population, employment, households, and other variables. The RPCGB also completed an economic competitiveness analysis in order to better understand employment trends by industry, considering the location and total amount of employment within the Greater Birmingham region.

Also in FY 2013, the RPCGB began the process of establishing baseline performance measures to evaluate and monitor growth, development, transportation, and quality of life. In addition to the federal Livability Principles and a subsequent set of performance indicators that the Federal Highway Administration has required to be addressed in all transportation documents, the RPCGB has established other measures of effectiveness based in large part on the Birmingham MPO’s Congestion Management Process (CMP). Performance indicators are also based on MAP-21 planning factors and support ongoing regional planning efforts, to include the Regional Transportation Plan (RTP).

**Proposed Work**
The RPCGB will purchase data from vendors such as ESRI, Claritas, Info USA, Geolytics, Woods and Poole Economics, Multiple Listing Service, and other supplemental data services. Reports generated will address demographic profiles, comparison report, socioeconomic datasets, and infographics. Additional data collection activities may include, but are not limited to: physical data collection, industry subscriptions, online data purchases, and data services.

The RPCGB has developed a Data Management and Warehousing Plan to address its short term data needs, and the agency’s emerging long-term data acquisition strategy specific to performance monitoring. The Data Management and Warehousing Plan establishes a framework for sharing data internally, as well as between agencies, researchers, and the public. This plan supports the ongoing maintenance and continued development of the RPCGB’s linear referencing system (LRS), which is a key tool for managing and representing information in a spatial format. The plan also complements the work that is currently being conducted between the RPCGB and the University of Alabama at Birmingham via the Regional Transportation Data Center. Finally, the plan calls for the RPCGB to begin designing and advancing the development of mobile device applications (mobile apps) to assist with data collection and information presentation.

The MPO will collect, prepare, and present Livability Indicator data as described on Page 2 and in the documents listed on P.3. This work task is in response to an FHWA directive to ALDTO Metropolitan Planning on May 2, 2012 and is in support of other tasks within this document.
The data to be provided include:
1. Mode Share – percent of travelers using different travel modes.
2. Jobs/Housing Balance – total number of jobs/total housing by area.
3. Travel Time Index – congested vs. free-flow travel time.
4. Number of crashes/incidents by travel mode (community safety emphasis).
5. Project Funding Diversity – percent of transportation projects utilizing multiple funding sources (federal, state, local).
6. Partnerships and Public Involvement – number of partnerships and documentation of PI activities.

**Products**
A. Data Management and Warehousing Plan
B. The production of demographic, socioeconomic, and other planning-related data files.
C. The production of regular regional reports that compare the selected data and regional development characteristics.
D. The collection of specific transportation statistics.
E. The creation and maintenance of a digital map library to make selected thematic maps readily available for public download through the RPCGB website.
F. The creation and maintenance of downloadable spatial datasets through a GIS data portal on the RPCGB website.

**Staffing**
Regional Planning Commission of Greater Birmingham

**Timeline for Proposed Work**
None

**Financial Responsibility**

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$50,000</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$40,000</td>
</tr>
<tr>
<td>Local</td>
<td>$10,000</td>
</tr>
</tbody>
</table>
2.2 Data Analysis and Forecasting

Objectives
To collect, create, and maintain demographic and socioeconomic data that is used for the transportation demand model and other planning activities.

Previous Work
The RPCGB has continued to collect a variety of data such as Census, Economic, Natural Resources, Transportation, Transit, and related demographic and socioeconomic data for use within the overall local and regional planning environment.

The RPCGB developed and maintained a regional transportation demand model for the Birmingham MPA, which is a primary screening tool used to identify deficiencies in the future transportation system. The Cube Voyager (Avenue) modeling software was used for travel demand modeling and all other applicable processes, up to and including air quality conformity analysis in support of budget based estimate preparation using the MOVES2010a software. This protocol was used for all future regional and project-specific conformity analyses, to include annual updates and amendments of the 2035 Regional Transportation Plan and existing TIP required through development of the annual Air Quality Conformity Report, and draft and final 2040 Regional Transportation Plan documentation.

Proposed Work
Proposed work includes the continued development and maintenance of population and employment datasets and an input/output econometric model that will inform future year demographic, socioeconomic, employment, and industry specific data. Forecast information will be input to the metropolitan planning area’s traffic analysis zones (TAZ), virtual TAZs developed to assist with evaluation of travel demand in the rural areas adjacent to the metropolitan planning area, freight zones, and other planning activities. Such projections also will be compiled and reported for Census Tract, Planning District, and County level geographies. Compiled information will be collected and made available through a series of Outlook Reports. Data may be purchased from selected vendors for use in the production of the forecasts, and may include, but not be limited to, such vendors as: InfoUSA, Woods and Poole, Southern Exposure Information, and/or other appropriate economic and/or employment forecasting models.

Products
A. Socioeconomic, demographic, and economic datasets (base year and forecast) stratified by TAZ, planning district, census tract, and freight analysis zone
B. Annual State of the Region Report and Regional Profile Book
C. Quarterly Data Bulletins
D. Special Reports
E. Support of other agency reports and studies.

Staffing
Regional Planning Commission of Greater Birmingham

Timeline for Proposed Work
None
<table>
<thead>
<tr>
<th>Financial Responsibility</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$43,750</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$35,000</td>
</tr>
<tr>
<td>Local</td>
<td>$8,750</td>
</tr>
</tbody>
</table>
2.3 Geographic Information Systems

Objectives
To provide detailed information to local, state, and federal agencies, as well as the public, regarding transportation facilities, transportation systems, and operational and asset condition data that supports agency project needs.

Previous Work
RPCGB has been successful in the creation and maintenance of a SDE data model as well as the continued collection, creation, and maintenance of catalogued raster and vector datasets. Enhanced data include various cloud-based image servers, transportation roadways, and the compilation of 2010 census data as published. Limited brownfield and greyfield data has been acquired. RPCGB upgraded to ArcMap 10 and has remained current on maintenance. RPCGB also developed a number of cloud based map services specific to transportation planning and air quality, as well as supportive of general planning services.

Proposed Work
A. The RPCGB will continue to develop and expand its GIS capabilities specific to the ESRI cloud-based map service platform.
B. The RPCGGB will continue to build its library of GIS datasets, to include parcel data and aerial imagery.
C. Continued acquisition, development, and maintenance of GIS related data for use in the spatial analysis and visual display components of transportation and community planning projects. This data include both raster and vector datasets.
D. The RPCGB will advance development of an online “dashboard” which enables agency website visitors to query map data and other performance measures in order that they might visualize the Birmingham MPO’s progress towards achieving planning goals and objectives. The MPO’s goals are based on the federal Planning Factors and the federal Livability Principles.
E. Additional training and/or GIS-related software or hardware, applications, extensions, or licenses may be acquired once evaluated and determined to be necessary and appropriate to fulfill project or staff expectations.
F. Map Services
G. App Development

Products
A. Maps, data analysis, and models
B. Implementation of the INDEX model in transportation and community planning projects
C. The continuation of data collection, development, and maintenance
D. The expansion of the GIS system to include a cloud-based platform environment
E. The expansion of GIS capabilities through training, workshops, and product evaluations
F. Local government planning assistance
G. ESRI maintenance of the GIS system
H. ESRI online map services (a series of specific thematic maps that are accessible and customizable by online map service users)

Staffing
Regional Planning Commission of Greater Birmingham
**Timeline for Proposed Work**
None

**Financial Responsibility**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$62,500</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$50,000</td>
</tr>
<tr>
<td>Local</td>
<td>$12,500</td>
</tr>
</tbody>
</table>
2.4 Model Development Program

Objectives
To develop and maintain traffic models, air quality emission models, land use/indicator models, and economic analysis model for the transportation planning process.

Previous Work
Cube Voyager is the primary travel demand modeling software in use by the Birmingham MPO. It is used to analyze travel demands within the Birmingham metropolitan planning area (MPA), network travel demand modeling and in support of air quality conformity estimate preparation using the Motor Vehicle Emission Simulator (MOVES2010b) software. Analysis using both software packages has been specific to precursors for ground-level ozone (O₃) and particulate matter (PM₂.₅) within the Birmingham MPA.

In FY 2011, Cube Avenue was purchased and has been successfully tested for subarea traffic simulation. The Cube Avenue model was successfully expanded and applied at the regional level, enabling the Birmingham MPO to evaluate the specific impacts of projects at a larger geographic scale, as well as the ability to conduct before and after studies.

Proposed Work
In recognizing the changes affecting the Greater Birmingham region, and the changing needs of the metropolitan planning area as it relates to transportation planning, the RPCGB will develop a complete modeling program. The model development program will address regional travel demands and dynamic traffic assignment (DTA). It will also consider the interaction of land use and transportation, identifying and monitoring land use indicators for transportation. Finally, the RPCGB will employ econometric modeling to improve employment forecasts and industry specific indicators.

Specific work tasks that will be conducted by the RPCGB include:
A. Continue the development and maintenance of the regional travel demand model for the Birmingham metropolitan planning area as needed for 2040 RTP and TIP updates.
B. Continue training of staff to utilize the best modeling practices.
C. Utilization of the model in support of existing projects and scenario planning.
D. Modify and expand the modeling network and prepare dataset for travel demand model based on Census 2010 and new Traffic Analysis Zones for the 2040 RTP.
E. Modify, expand, and maintain the Cube Avenue model. Work will include additional refinements to the modeling system to further develop its capabilities to perform macroscopic and mesoscopic (subarea) analysis comparing alternatives and forecasting of future traffic conditions. Refinements will also include development of capabilities to evaluate alternatives for subareas and corridors for transportation infrastructure needs.
F. Continue the development and maintenance of MOVES. Update speed distributions, road type distribution, and vehicle miles traveled (VMT) from the travel demand model and local observations. Emissions factors will be developed in accordance with MOVES2010b to meet the requirements set forth in 40 CFR 51 and 93.
G. Form a modeling technical working group to oversee the data collections, methodologies of data development, documentations and modeling practices.

Products
A. Travel Demand Model
B. Dynamic Traffic Assignment Model
C. MOVES Air quality models
D. CommunityViz Land Use Indicators Model
E. Areawide/System Performance Indicators (See Task 5.3)

**Staffing**
Regional Planning Commission of Greater Birmingham

**Timeline for Proposed Work**
None

**Financial Responsibility**

| Total   | $81,250 |
| PL (FHWA)| $65,000 |
| Local   | $16,250 |
TASK 3.0: PUBLIC INVOLVEMENT

Objectives
To maintain a process for providing citizens, affected public agencies, representatives of public transportation employees, freight shippers, providers of freight transportation services, private providers of transportation, representatives of users of public transportation, representatives of users of pedestrian walkways and bicycle transportation facilities, representatives of the disabled, elderly and other interested parties, and any other interested parties with sufficient opportunities to be involved in the transportation planning process.

Previous Work
The MPO website is maintained and updated with links to specific projects. Several public involvement meetings were conducted. The Public Participation Plan continues to be implemented, including an updated, reprinted Transportation Public Contact List. Visualisation and interactive exercises are used extensively with outreach activities. THE MPO completed a Draft and Final 2013 Public Participation Plan, 2013. The Plan will be amended or updated as needed.

The MPO facilitated, participated, and/or hosted several training opportunities, including the RPCGB Annual Conference, the Think Forward 2040 Brown Bag series, the Complete Streets in Constrained Rights-of-Way course, CommuteSmart workshops, APCA workshops, and other opportunities for education regarding bicycles and pedestrians.

The Title VI, Americans with Disabilities Act, and DBE policy continues to be posted on the MPO website. Regular reports were submitted to the ALDOT.

Proposed Work
A. Public Participation Activities
   - MPO website redesign and updated links provided to project specific websites.
   - MPO public participation database update and maintenance.
   - Meetings and meeting announcements, including monthly committee meetings, public involvement meetings, project meetings, and community outreach, as needed.
   - Newsletters published monthly by the RPCGB and project specific newsletters.
   - Direct mailings, e-mail announcements, press releases, flyers, notices, and fact sheets.
   - Setup and facilitate quarterly technical workshops, and bi-monthly Brown Bag luncheon seminars/workshops. Costs to include but not limited to speakers, logistics, handouts, etc: $10,000
   - Setup and facilitate/host “virtual” meetings, to include live, interactive online surveys.
   - Comment forms and surveys.
   - Birmingham MPO “MindMixer” site maintenance.
   - Public involvement activities associated with the FHWA Livability Principles and Indicators requirement (see p.2) will be added to the Public Participation Plan when it is next updated following the passage of new transportation legislation.

B. Title VI, Americans with Disabilities Act, and DBE
   1. Documentation of minority representation.
   2. Documentation of third-party DBE activities conducted for FHWA and FTA funded projects.
   3. The Birmingham MPO will periodically update the Birmingham MPO Environmental Justice Report and the Birmingham MPO Public Participation Plan. These documents are a primary tool in helping the MPO to comply with Federal Transit Administration Circular 4702.12 (FTA
C 4702.1B), Title VI of the Civil Rights Act of 1964, and Executive Order 13166, “Improving Access to Services for Persons with Limited English Proficiency” (65 FR 50121, Aug. 11, 2000). The Environmental Justice Report assists the Birmingham MPO to accurately characterize environmental justice populations; the Public Participation Plan includes strategies to provide meaningful access to Limited English Proficient (LEP) persons.

**Products**

A. Documentation of public involvement meetings
B. Project specific public involvement outreach activities and collateral materials
C. Project specific public involvement documentation and reporting
D. Title VI Report (provided with UPWP semi-annual report)
E. DBE Report
F. Transportation planning/project specific webpages
G. MPO member training and education events/courses

**Staffing**

Regional Planning Commission of Greater Birmingham

**Timeline for Proposed Work**

- Title VI Report – November 2013
- DBE Report – November 2013 and May 2014

**Financial Responsibility**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$74,265</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$59,412</td>
</tr>
<tr>
<td>Local</td>
<td>$14,853</td>
</tr>
</tbody>
</table>
TASK 4.0: ENVIRONMENTAL PROCESS PLANNING

4.1 Air Quality Planning

Objectives
To achieve and maintain compliance with national air quality standards in the Birmingham nonattainment area of Jefferson and Shelby Counties, to protect and improve public health, to minimize the economic impacts on existing businesses, and to support economic growth consistent with clean air goals.

Previous Work
Twelve outreach events were conducted for dissemination and input regarding air quality conformity. CommuteSmart and Alabama Partners for Clean Air (APCA) have consolidated many outreach efforts, particularly in the business community. APCA continues to promote idle-free zones in school pick-up lines. A report documenting the program and funding activities of APCA for the period October 1, 2011 – September 30, 2012 was completed.

Proposed Work
The following activities will be conducted by the APCA, with assistance provided by the RPCGB:
A. Public Outreach and Marketing educates the general public about air quality issues and the consequences that individual choices have on air quality.
B. Employer and employee outreach to get major employers involved in air quality issues and encourages employees to travel to work by modes other than single-occupant vehicles.
C. Science and Environmental Education teaches children about air pollution, its health impacts, and how it can be prevented.
D. Clean Cities and Alternative Fuels program is to reduce emissions from fleet vehicles through the use of hybrid technology and alternative fuels. The Alabama Clean Fuels Coalition is lead partner.
E. Voluntary Emissions Testing and Vehicle Repair provides a free emissions check for vehicle owners and encourages owners of high emitters to have their vehicles serviced.
F. Program Administration includes managing all air quality contracts, processing invoices, monitoring performance and execution of contracts, and providing support to the APCA.

Products
Annual Report documenting contract performance of organizations, including emissions reductions for the previous fiscal year.

Staffing
Regional Planning Commission of Greater Birmingham, direct contract labor and/or third-party contractors for activities, and organizations identified under Proposed Work.

Timeline for Proposed Work
Annual Report – March 2014

Financial Responsibility
Total $800,000
CMAQ (FHWA) $800,000
Local $0
4.2 Environmental Consultation Process

Objectives
To link the transportation planning and environmental assessment processes early in the project development phase. To inform the project development and NEPA processes with the results of the environmental consultation process. To establish inter-agency, cross-disciplinary communication and education To identify and pursue collaborative, cross-disciplinary environmental mitigation strategies and funding opportunities

Previous Work
- “Red Flag” environmental maps.
- Consultation with federal and state resource agencies regarding the development and advancement of federal-aid, and state/locally funded transportation projects.

Proposed Work
A. Environmental Mapping - continuous updates and refinements to the environmental “red flag” maps. Mapping efforts in FY 2014 to include development of cloud based map service.
B. Project Development Consultation - early coordination of planning and project development considerations, to include identification of “red flags” that could potentially affect a project’s feasibility.
C. Develop a Brownfields sites inventory database related to major transportation corridors.
D. Support Brownfields Coalition in securing and administering U.S. Environmental Protection Agency Brownfields Assessment Grant.
E. Promote consistency between the RTP and state and local land use plans and plans for conservation and development.
F. Outreach and Education Activities - Provide educational opportunities and training to state and municipal governments, transportation planning agencies/departments, landowners/developers, environmental interest groups, and non-traditional planning partners about environmental evaluation methodologies, advanced mitigation strategies, and other transportation-related environmental planning topics.

Products
A. Cloud Based Map Service
B. Environmental Maps
C. Environmental Consultation Roundtable
D. Outreach and Education Activities

Staffing
Regional Planning Commission of Greater Birmingham, direct contract labor and/or third-party contractors for activities, and organizations identified under Proposed Work.

Timeline for Proposed Work
None
<table>
<thead>
<tr>
<th>Financial Responsibility</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$18,750</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$15,000</td>
</tr>
<tr>
<td>Local</td>
<td>$3,750</td>
</tr>
</tbody>
</table>
4.3 Advanced Planning, Programming and Logical Engineering (APPLE)

Objectives
To improve the quality and timelines of the overall project development process by:

1. Assisting local governments in determining project feasibility specific to both non-motorized and multimodal travel corridors in advance of entering into an expensive and extended project development process.
2. Assisting project sponsors in better articulating project scope and understanding both the planning considerations and potential costs.
3. Assisting the project development process by educating local governments about the ALDOT project development process.
4. Providing information to the Birmingham MPO in order to better manage uncertainties in program funding.

Previous Work
- APPLE Program Development/Refinement
- Project Specific APPLE Projects to Include:
  1. Area specific transportation infrastructure studies
  2. Intersection relocation assessment
  3. Trail feasibility study
  4. Sidewalk feasibility assessment in a school zone

Proposed Work
The Regional Planning Commission of Greater Birmingham will continue to assist local governments and small project sponsors in assessing a project’s feasibility. The feasibility assessment will better inform the local governments and small project sponsors’ decision-making process, and aid them in determining their level of commitment for advancing the project. The goals of the APPLE program will be accomplished in several ways, including:

A. Funding consultant/contractor work activities that directly develop of APPLE reports
B. Managing the feasibility assessment process for small municipalities/local governments
C. Support consultant/contractor activities as related to the development APPLE reports
D. Educating project sponsors and contractors about the ALDOT project development process, to include education of the NEPA process

Note:
1. The Alabama Department of Transportation – Environmental Technical Services (ALDOT ETS) shall remain the sole arbiter of environmental issues on state and federal projects in Alabama, and must be consulted in all instances. ALDOT may seek consultation with the Federal Highway Administration (FHWA) on certain matters and will seek federal approval on a project only when all issues have been addressed.
2. With the exception of certain duties and responsibilities extended to the Birmingham MPO in writing and specific to a particular project and/or a consultant representing an MPO for a specific project, all other actions are the province of ALDOT ETS.
3. Early or initial environmental coordination relating to a specific project with state and federal resource agencies shall only be carried out by the ALDOT ETS.

Products
A. Project Specific Advanced Planning Reports, to include Corridor Feasibility Assessments
B. Project Specific Owner’s Manuals and Agreement/Decision History Summaries
C. Project status Reports and/or Matrices
D. Project Development Educational Workshops and Seminars

**Staffing**
Regional Planning Commission of Greater Birmingham, ALDOT, direct contract labor, and/or 3rd party contractors for activities, and organizations identified under Proposed Work.

**Timeline for Proposed Work**
None

**Financial Responsibility**

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$250,000</td>
</tr>
<tr>
<td>STPBH (FHWA)</td>
<td>$200,000</td>
</tr>
<tr>
<td>Local</td>
<td>$50,000</td>
</tr>
</tbody>
</table>
4.4 Climate Change

Objectives
To develop Climate Change evaluation metrics. To evaluate the Regional Transportation Plan's impact on climate change. To evaluate planned and programmed transportation projects’ impact on climate change. To provide guidance about regional strategies that address climate change through air quality and congestion mitigation, as well as energy efficiency in order to reduce the Birmingham MPA’s carbon footprint.

Previous Work
No work was performed in FY13. Previous work regarding climate change produced a report titled “Climate Change Considerations and On-Road Greenhouse Gas Emissions in the Birmingham Metropolitan Planning Area.” This report was completed in FY 2011.

Proposed Work
The Birmingham MPO has reassessed its approach to climate change, and how it will incorporate climate change into the metropolitan planning process. As such, the Birmingham MPO has chosen to narrow its focus, and will address road infrastructure vulnerability. The RPCGB will conduct a Vulnerability and Risk Assessment of transportation infrastructure by performing a thorough inventory and analysis of current road culverts/road crossings and report on the current status and conditions of these assets. An element of this assessment will include the evaluation the impact of storm events and future climate change scenarios on the assets. The process for completing this project is to emulate, or follow, FHWA’s current Vulnerability and Risk Assessment Conceptual Model and to utilize other studies that have taken place in the region in order to promote consistency of data.

Other climate change evaluation activities will consider:
A. Update GHG inventory, and specifically the contribution of mobile source emissions.
B. Evaluate and monitor mobile source energy consumption.
C. Develop Climate Change Performance Measures - Establish GHG emission and mobile source energy consumption baseline measures.
D. Integrate Performance Measures - Incorporate GHG and mobile source energy consumption measures into the MPO’s transportation system performance metrics.
E. Develop GHG and Energy Consumption Targets - Develop a recommended GHG emissions and mobile source energy consumption targets.
F. Identify a menu of potential climate change adaptation strategies.

Products
A. Vulnerability analysis of transportation infrastructure to climate change and weather hazards
B. Baseline climate change performance measures

Staffing
Regional Planning Commission of Greater Birmingham, direct contract labor and/or third-party contractors for activities, and organizations identified under Proposed Work.

Timeline for Proposed Work
None
<table>
<thead>
<tr>
<th>Financial Responsibility</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$3,125</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$2,500</td>
</tr>
<tr>
<td>Local</td>
<td>$  625</td>
</tr>
</tbody>
</table>
5.1 Regional Transportation Plan

Objectives
To ensure that the MPO maintains a long range transportation plan for the Birmingham MPA that is:

1. Technically based on the latest available data for land use, demographics, and travel patterns.
2. Comprehensive in nature and supports the development of a multimodal transportation system.
3. Philosophically based on regional goals and values, and are informed by the Federal Planning Factors and Livability Principles
4. Financially based on predictable, reliable funding sources.

To ensure that the RTP promotes a performance based planning approach, is consistent with local comprehensive plans and goals, and supports federal Livability Principles for communities.

Previous Work
- Metropolitan Planning Area Geography (Traffic Analysis Zones) updated to 2010 Census. This expanded the MPO boundaries to include a portion of Blount and St. Clair Counties.
- Initiated development of 2040 RTP, to include:
  1. Data collection, analysis, and table/map production
  2. Existing conditions analysis
  3. Development of baseline performance indicators (Task 5.3)
  4. Development of functional transportation plans i.e. Regional Thoroughfare Plans (Task 5.4), Logistics System (Task 5.5), Public Transportation System (Task 5.6), and Active Transportation (Task 5.7)
  5. Public involvement
- Consultant services procured in FY 2012 to support the RTP development process have been assigned tasks to develop a linear referencing system (Task 2.1) to support the data collection, analysis, and reporting of geospatial data; expansion of the travel demand model network; development of land use model and transportation related indicators, and transportation system management and operations plan.

Proposed Work
A. Data Preparation and Analysis - Continuation of data collection and assembly activities for use in Regional Transportation Plan reports and analysis of proposed project and policy recommendations.
B. Infrastructure Cost Evaluation - Regional and local data will be collected to inform the calibration of an infrastructure cost calculator, so that project implementation and ongoing operations and maintenance costs might be accurately developed for use in fiscal planning activities.
C. Financial Plan - Assessment of existing and expected expenditures and revenue sources to support and advance transportation projects.
D. Stakeholder and public outreach - Key plan stakeholders and the public will be engaged in order to define plan scenarios and provide input on recommended strategies and projects.
E. Project Evaluation and Prioritization - Automation of the Birmingham MPO’s project evaluation and prioritization methodology will provide faster and more accurate outputs in order to inform MPO project/program investments and future TIP development.
F. Performance Indicators (Task 5.3) – Data will be prepared and presented within the RTP to support the Federal Livability Principles and the Livability Indicators as identified on pages 2-3. Performance indicators also will support the federal Planning Factors and other MPO directed indicators.
Performance indicators will be monitored and reported in future years against the baseline data presented in the RTP.

**Products**

A. Functional Plans
   1. Regional Active Transportation Plan
   2. Regional Logistics Strategy (see Task 5.6 for details)
   3. Regional Public Transportation Strategy
   4. Regional Thoroughfare Plan
   5. Transportation System and Operations Plan
   6. Financial Plan to include assessment of ongoing transportation system operations and maintenance costs
   7. Project Evaluation, Prioritization, Implementation Monitoring Tool(s)

B. Regional Transportation Plan
   1. Regional Transportation Plan Development Process Documentation
   2. Data Assembly, Collection, and Development
   3. Data Analysis
   4. Transportation Plan Development
   5. Regional Transportation Plan Functional Plan Reports
   6. Air Quality Conformity Report
   7. Stakeholder and Public Outreach and Education i.e. speakers, workshops and conferences
   8. Public Involvement Activities and Collateral Materials

**Staffing**

Regional Planning Commission of Greater Birmingham, direct contract labor, and partner organizations for activities identified under Proposed Work; third-party contractors to support scenario planning, analytical tool development, and other supporting activities identified under the Proposed Work.

**Timeline for Proposed Work**

- Functional Plans - Continuous throughout FY2014
- Regional Transportation Plan - 2040 draft Spring 2014, Final June 2014
- Performance Monitoring Report- Summer 2014
- Regional Transportation Plan Stakeholder and Public Outreach and Education – Fall/Winter 2014 and Spring/Summer 2014

**Financial Responsibility**

<table>
<thead>
<tr>
<th></th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$307,298</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$245,838</td>
</tr>
<tr>
<td>Local</td>
<td>$61,460</td>
</tr>
</tbody>
</table>
5.1.1 Air Quality Conformity Analysis and Reporting (RTP)

**Objectives**
To demonstrate that the Regional Transportation Plan and the funded projects and programs contained within it i.e. the Transportation Improvement Program conform to the approved regional air quality standards as determined by the State Implementation Plan which is prescribed by the Clean Air Act of 1990.

**Previous Work:**
- The RPCGB is heavily involved in working with the IAC to review proposals related to air quality and to recommend means to reduce emissions and congestion.
- Air quality model runs via MOVES2010a were conducted for the ground level ozone, annual PM2.5, and 24-hour PM2.5 standards.
- A public involvement meeting for modifications to air quality conformity report was held in July 2011. Results were documented.
- The Air Quality Conformity Determination Report for the amended 2035 Regional Transportation Plan (RTP) and the FY 2012-2015 Transportation Improvement Program (TIP) for Jefferson and Shelby Counties and a portion of Walker County in Alabama, was adopted by the Birmingham MPO September 2011.

**Proposed Work**
A. Continue the involvement and cooperation with IAC to monitoring the air quality for the Birmingham MPA.
B. Continue the air quality conformity analysis and the air quality conformity determination reporting due to changes in the regulations governing air quality and transportation planning.
C. Update input files of MOVES with local data collections when they become available.
D. A quantitative demonstration will be conducted for the geographic area designated as nonattainment to determine if motor vehicle emissions exceed the established budget. Also supports Climate Change (see Task 4.4 for details). Project schedule changes for existing highway capacity projects can result in adjusted air quality conformity years (open to traffic). Such adjustments require modifications to the transportation network and an air quality conformity determination. Proposed new highway capacity projects constituting a Plan amendment are subject to assignment to an air quality conformity year and a system level conformity determination.

**Products**
A. An Air Quality Conformity Report that demonstrate that total projected emissions are within the allowable limits - annually and as needed based on modifications to the RTP
B. Hot Spot Analysis Comments and/or Documentation

**Staffing**
Regional Planning Commission of Greater Birmingham

**Timeline for Proposed Work**
- Air Quality Conformity Report for 2040 RTP- Fall 2014
<table>
<thead>
<tr>
<th>Financial Responsibility</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$37,500</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$30,000</td>
</tr>
<tr>
<td>Local</td>
<td>$ 7,500</td>
</tr>
</tbody>
</table>
5.1.2 Amend Regional Transportation Plan Project Listings for Air Quality Conformity

**Objectives**
To amend the Regional Transportation Plan as necessitated by additions and deletions to the Regional Transportation Plan project and program listings, and modifications to existing project scopes of work and budgets.

**Previous Work**
Plan modifications and updates

**Proposed Work**
A. Continue monitoring the project changes in the 2035 RTP. There are occasions when new highway capacity projects are requested to be added to the 2035 RTP/TIP or existing highway capacity project schedule changes crossing the conformity analysis years. These changes necessitate modifying the Regional Transportation Plan and are subject to assignment to an air quality conformity year and a system level conformity determination.

B. In addition, project schedule changes for existing highway capacity projects within the Transportation Improvement Program also result in adjusted air quality conformity years (open to traffic). Such adjustments require modifications to the transportation network and an air quality conformity determination to ensure that emissions from transportation sources do not exceed established emissions budget for each conformity attainment year.

C. In addition, proposed new highway capacity projects constituting a Plan amendment are subject to assignment to an air quality conformity year and a system level conformity determination.

**Products**
A. Project listing tables
B. Project maps
C. Revised financial tables

**Staffing**
Regional Planning Commission of Greater Birmingham.

**Timeline for Proposed Work**
- The Regional Transportation Plan will undergo a major update in FY 2014. Tasks and products listed within subtask 5.1.2 will be conducted as part of the larger Task 5.1. See Task 5.1 for timeline.
- Air Quality Conformity Report due Fall 2014

**Financial Responsibility**
| Total       | $37,500 |
| PL (FHWA)  | $30,000 |
| Local      | $ 7,500 |
5.2 Transportation Improvement Program (TIP)

Objectives
To develop a list of federally funded transportation projects to be completed by the ALDOT, the BJCTA, local government(s), and other project sponsors. Monitor the Financial Constraint, the status of projects programmed (to include advancement) under the STPBH and the CMAQ and achievement of the Federal Livability Principles. Administer TIP amendment requests.

To ensure that the Transportation Improvement Program is advancing the goals, objectives and priorities of the Regional Transportation Plan.

Previous Work
A. Researched proposed TIP amendments and presented the amendments to the Transportation Committees and the MPO.
B. Coordinated TIP amendments with ALDOT.
C. Maintained a Status Checklist for STPBH and CMAQ projects by meeting with ALDOT staff on a monthly basis.
D. Maintain TIP Financial Constraint – RPCGB will maintain Financial Constraint of TIP funding pursuant to MAP-21 requirements using Telus software and supporting data provided by Metropolitan Planning Section, ALDOT.
E. Produced a draft Project Status Report.
F. Held meetings with the TIP Subcommittee as needed to re-establish Financial Constraint of STPBH and CMAQ funds and receive reports from local sponsors and ALDOT on project progress.

Proposed Work
A. TIP Subcommittee - host regular meetings of the TIP Subcommittee in order to monitor program balance and project advancement.
B. TIP Amendments - the RPCGB will process TIP amendments as needed.
C. Annual TIP Document Update - the RPCGB will coordinate and produce an update of the 2012-15 TIP for FY 2014.
D. Maintain TIP Financial Constraint – the RPCGB will maintain Financial Constraint of TIP funding pursuant to MAP-21 requirements using TELUS software and supporting data provided by Metropolitan Planning Section, ALDOT.
E. Maintain Open Communications - the RPCGB will communicate with ALDOT and MPO staff on TIP and programs.
F. Annual Obligations Listing - the RPCGB will develop and public a list of obligated projects for the previous fiscal year.
G. TIP Status Report - a narrative report that summarizes project implementation over the previous fiscal year.
H. Quarterly Project Status Reports - to document status of CMAQ and STPBH projects including Status Checklist.
I. Project Mapping - online map service and dashboard environment and integrate, as appropriate, into ongoing RTP development and management activities.
J. Performance Measures - apply performance measures to the TIP in order to track progress towards achieving identified regional goals and objectives.
K. Livability Indicators - the RPCGB will prepare and present data within the TIP in accordance with the Livability Principles and Indicators guidelines that are identified on pages 2-3. The Indicators will be monitored and reported in future years against the baseline data presented in the TIP.
L. Project Prioritization Methodology and Project Selection Criteria - the RPCGB will develop and apply objective project prioritization methodology, as well as recommendations for a project selection criteria per the guidance of MAP-21. The project prioritization methodology will be applied to submitted TIP projects in order to establish their order of importance against national, state, and regional goals; the selection criteria will be used to choose projects to apply available funding.

**Products**
A. TIP Process Administration
   - TIP Subcommittee Management
   - TIP Amendments
   - TIP Monitoring and Reporting
B. Financially Constrained TIP
C. Annual Listing of Obligated Projects
D. Project Prioritization Methodology and Project Selection Criteria recommendations

**Staffing**
Regional Planning Commission of Greater Birmingham

**Timeline for Proposed Work**
Re-establish Financial Constraint FY 2012-FY 2015 TIP - Fall 2013
Financially Constrained FY2012-2015 TIP Fall 2013
Air Quality Conformity Report due Fall 2014
Draft and Final FY2016-2019 TIP due Fall 2015

**Financial Responsibility**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$100,000</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$ 80,000</td>
</tr>
<tr>
<td>Local</td>
<td>$ 20,000</td>
</tr>
</tbody>
</table>
5.2.1 Amend TIP Project Listings for Air Quality Conformity

**Objectives**
To amend the Transportation Improvement Plan both annually and as necessitated by additions and deletions to the Regional Transportation Plan project and program listings and modifications to existing project scopes of work and budgets.

**Previous Work**
Plan modifications and updates.

**Proposed Work**
A. Continue annual summary reporting of emissions reductions to document reductions achieved through projects obligated with CMAQ funding.
B. The Regional Planning Commission of Greater Birmingham re-establishes Financial Constraint in the Transportation Improvement Program annually. In addition, there are occasions when new highway capacity projects are requested to be added to the Transportation Improvement Program. These additions necessitate modifying the Regional Transportation Plan and are subject to assignment to an air quality conformity year and a system level conformity determination. In short, the amendment to the Transportation Improvement Program constitutes a Plan Amendment.
C. In addition, project schedule changes for existing highway capacity projects within the Transportation Improvement Program also result in adjusted air quality conformity years (open to traffic). Such adjustments require modifications to the transportation network and an air quality conformity determination to ensure that emissions from transportation sources do not exceed established emissions budget for each conformity attainment year.

**Products**
A. Project listing tables
B. Project location maps
C. Annual obligated project emissions report for FHWA that documents total emissions achieved for projects funded with CMAQ program
D. Air Quality Conformity Report due Fall 2014

**Staffing**
Regional Planning Commission of Greater Birmingham.

**Timeline for Proposed Work**
- Project listing tables - Fall 2013
- Project maps – Fall 2013
- Annual CMAQ obligated project emissions report – February 2014
- Air Quality Conformity Report due Fall 2014

**Financial Responsibility**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$12,500</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$10,000</td>
</tr>
<tr>
<td>Local</td>
<td>$ 2,500</td>
</tr>
</tbody>
</table>
5.3 Thoroughfare Planning

Objectives
To refine and maintain the regional functionally classified roadway system

To develop and maintain a prioritized regional roadway classification system that:
1. Addresses functionally classified roadway capacity needs.
2. Identifies future roadway network needs and connections.
3. Addresses issues of transportation system preservation and sustainability.
4. Proposes a redundant transportation network to address transportation system security deficiencies.
5. Addresses the federal Livability Principles.

To develop and maintain guidelines for roadway facility management and design in relation to local development context and multimodal travel needs.

Previous Work
- Regional Thoroughfare Plan document
- Local Thoroughfare Plan Development Guide
- Regional Thoroughfare Plan Map
- Roadway Functional Classification Map (updated)

Proposed Work
A. Regional Thoroughfare Plan Maintenance and Update
B. Regional truck route development.
C. Local Thoroughfare Plan Development Guide - Establishing local truck routes.
D. Linear Reference System development.
E. Green Streets Development Guide and Best Practices.

Products
A. Regional Thoroughfare Plan
B. Regional Thoroughfare Plan Map
C. Regional Truck Route Map
D. Green Streets Development Guide and Best Practices

Staffing
Regional Planning Commission of Greater Birmingham, direct contract labor and/or third-party contractors for activities, and organizations identified under Proposed Work.

Timeline for Proposed Work
Regional Thoroughfare Plan – Fall 2013

Financial Responsibility
Total $6,250
PL (FHWA) $5,000
Local $1,250
5.4 Public Transportation Planning

Objectives
To promote a seamless and balanced regional public transportation system by working with public transit operators on evaluating regional and local transit system deficiencies, capital and operating needs, and multi-modal opportunities for different customer markets.

To assist with continued development of public transportation services by aiding providers with planning, service delivery, and long term financing strategies by:

1. Identifying strategies that sustain, maintain, and improve public transit services
2. Reviewing and revising existing public transportation and paratransit services and policies
3. Acquiring, analyzing, and maintaining data
4. Proposing and new services and/or routes, including identification of funding sources
5. Providing training
6. Coordinating services and/or resources
7. Addresses the Federal Livability Principles

To promote the incremental development of public transportation and transportation demand management services in the Birmingham metropolitan planning area by working with existing transit agencies, other quasi-public and private transit operators.

Previous Work
- Assisted the Birmingham-Jefferson County Transit Authority (BJCTA) in assessing local bus routes
- Collected ridership data, to include boarding and alighting information
- Produced reports.
- Conducted on-board passenger surveys
- Developed maps and other analytical tools.
- Evaluated and designed new service/routes specific to downtown activity centers i.e. Region’s Park and entertainment district.
- Assisted BJCTA with analyzing route performance.
- Performed transit corridor studies.
- Worked with BJCTA to assess current and future conditions.
- Coordinated/Facilitated meetings between BJCTA and local municipal entities
- Coordinated meetings between BJCTA and the Federal Transit Administration
- Monitored federal expenditures
- Alerted BJCTA to funding opportunities
- Participate in monthly meetings with the BJCTA
- Contribute to BJCTA Board meetings

Proposed Work
A. Regional Transit System Plan Expansion (Long Range Transit Plan)
   1. Update Existing Plan - Update the existing Regional Transit System Plan so that it integrates service concepts from local transit providers’ Transit Development Programs (TDPs), corridor specific transit alternatives analysis recommendations, regional, local, and specialized/paratransit services recommendations, and rideshare program recommendations.
   2. Assess and Determine Transit Capital Priorities - develop an Integrated Capital Plan for vehicles, facilities, and other capital equipment, to cover a 10-year period, and incorporating long-term needs of the metropolitan planning area’s public transit agencies.
3. **Mapping Assistance** - Refine maps, evaluate transit routes, and identify both passenger and system-wide needs.

B. **Regional Express Bus Service Plan**
   1. Identify routes, operating hours, headways, and service standards.
   2. Develop long-term financial plan.
   3. Develop capital purchasing plan.
   4. Update regional Park and Ride Plan.

C. **Maintain Regional Human Service Coordination Plan.**
   1. Develop regional paratransit service concept.
   2. Develop paratransit service coordination agreements.
   3. Develop framework for Coordinated Regional Call Center.
   4. Develop Coordinated Regional Call Center Implementation Plan.

D. **Technical Assistance** (See Task 5.4.2)
   Transit planning efforts will focus on working with and providing technical assistance to the region’s transit providers (public, quasi-public, and private) on various system-wide operating activities, including assistance with data collection and analysis; identifying and evaluating local bus and paratransit needs for the TIP/STIP; assisting with coordination of elderly and disabled transit services and programs, and coordinating and developing a long range transit plan. Specific work will be provided for the following:
   1. **Data Collection and Analysis** - collect and analyze data about the transit system, to include passenger and stakeholder surveys to assist in determining passenger needs.

In addition to the work items listed above, technical assistance to support local public transit planning efforts also will include GIS/mapping support, especially as it relates to data management and analysis. As such, this work program proposes the development of a relational transit geodatabase of ridership and transit amenities, including geo-coding field features. Data collected by and available from the Birmingham Jefferson County Transit Authority’s (BJCTA) AVL system will be extracted, tabulated and summarized to assess system and route performance. GIS will also be used to complete a spatial assessment of the existing and future BJCTA route structure.

Intercity rail planning will consist of supporting ongoing efforts by the Alabama Department of Economic and Community Affairs’ (ADECA) Passenger Rail Division, as they investigate rail service feasibility, and in particular, high speed rail modal alternatives. Support for this effort will consist of assessing local bus interface improvements and determining the need for surface transportation infrastructure rehabilitation, to include rail parking needs assessment.

The RPCGB will continue to work with the City of Birmingham and the BJCTA on the Intermodal Transportation Center project, including streetscape, lighting, and connectivity.

Other technical assistance efforts will include:
- Study bus service initiatives to close gaps and enhance service (long range transit plan)
- Promote transit oriented developments, districts and corridors
• Assess opportunities for alternate transit services and modes
• assess bus stop safety and security;
• inventory and assess bus stop amenities and improve bus stops, signage and shelters; and
• develop and maintain transit databases and link to GIS.

**Products**
A. Updated Regional Transit System Plan
B. Paratransit Coordination Plan
C. Transit Data Collection
D. Route and System Maps (as requested)

**Staffing**
Regional Planning Commission of Greater Birmingham, other transit providers, contract labor and/or third-party contractors for activities.

**Timeline for Proposed Work**
• Updated Regional Transit Service Plan – Spring 2014
• Paratransit Coordination Plan – Spring 2014

**Financial Responsibility**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$50,000</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$40,000</td>
</tr>
<tr>
<td>Local</td>
<td>$10,000</td>
</tr>
</tbody>
</table>
5.5 Active Transportation Planning

Objectives
To support regional connectivity and active transportation networks utilizing multimodal streets, greenways, parks, and other public greenspace by establishing short-term and long-term implementation strategies that address the federal Livability Principles.

Previous Work
- Produced Active Transportation Plan.
- Hosted Complete Streets technical training event.
- Facilitated or helped to facilitate several workshops/conferences, such as Building Communities, Complete Streets, Safe Routes To School (SRTS), and local projects.

Proposed Work
A. General Bicycle/Pedestrian Planning - respond to requests from Birmingham MPO member government for assistance in planning bicycle and pedestrian facilities.
B. Facilitate the Birmingham MPO’s Active Transportation (formerly Bike/Ped) Advisory Committee as needed.
C. Implement Active Transportation Plan – begin promotion and implementation of the Birmingham Regional Active Transportation Plan, to include data collection (bike/ped traffic counting) and direct actions to incent/advance transportation infrastructure development e.g. pop-up infrastructure, and strategies to incorporate the federal Livability Principles. Activities include:
D. Support Implementation of Red Rock Ridge and Valley Plan – support and assist with the development and implementation of the Red Rock Ridge and Valley Plan, the bicycle, pedestrian, and greenways master plan for Jefferson County.
E. Safe Routes to School Assistance – support and assist local efforts associated with the Safe Routes to School Program.
F. Local Planning Assistance - Coordinate with non-profit and advocacy bicycle, hiking, pedestrian and public transit groups in order to provide assistance with planning and development of greenways and/or trails, on-street bike and sidewalk facilities and transit facilities. MPO staff will provide planning and project development assistance to local project sponsors. This includes project scoping and funding development assistance to communities working to develop their segments of the Red Rock Ridge and Valley Plan and/or the Alabama Department of Transportation’s statewide trail plan. Birmingham MPO staff will also provide assistance as time allows to local trail initiatives that are located in the Birmingham metropolitan planning area.
G. Education and Outreach Activities - Assist local governments and other stakeholders with planning, funding, and implementing bikeways, walkways, and other non-motorized transportation projects. This includes support for ongoing programmatic activities associated with improving non-motorized transportation on a regional level are important, assistance with coordinating regional events for Bike/Walk to Work Day and coordinate and providing support to CommuteSmart Birmingham. Activities include:
   - Share the Road outreach campaign and sign placement program
   - Regional Bicycle Route Map and interactive website/webpage development

Products
A. Active Transportation Plan Implementation
B. Direct infrastructure planning and development, to include pop-up infrastructure planning
C. Bike/ped traffic counting program
D. Project scoping assistance
E. Documentation of annual Bike/Walk to Work Day events
F. Documentation of participation in regional trails initiatives
G. Documentation of assistance to local communities
H. Education events, workshops, outreach, and webpage development

**Staffing**
Regional Planning Commission of Greater Birmingham, direct contract labor and/or third-party contractors for activities, and organizations identified under Proposed Work.

**Timeline for Proposed Work**
Active Transportation Plan – Fall 2013

**Financial Responsibility**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$37,500</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$30,000</td>
</tr>
<tr>
<td>Local</td>
<td>$7,500</td>
</tr>
</tbody>
</table>
5.6 Logistics Systems Planning

Objectives
To develop a regional multimodal goods movement transportation strategy that will identify improvement for freight movements and address the federal Livability Principles.

Previous Work
- Freight stakeholder meetings
- Summary analysis of FAF2 and FAF3 data
- Freight Roadway Chokepoint Analysis
- Freight system data collection
- Attended Freight Academy

Proposed Work
A. Freight System Data Collection and Performance Measures
   (see Task 5.7 - Regional Transportation Data Clearinghouse)
B. Regional Truck Route Mapping
   (see Task 5.3 - 1 Thoroughfare Planning)
C. Stakeholder Outreach
   Stakeholders will be engaged in order to assess needs and continue established dialogue.
D. Freight Outlook Plan
   The RPCGB will continue developing a freight outlook plan for the MPA, in accordance with federal and state legislation, and regional economic needs. Major features of the Outlook Plan will be the characterization of freight trips by distance, load, weight, and value, as well as the identification of routes used by the logistics industry as a means for highlighting projects with impacts on the freight roadway system. Additionally, economic development officials will be brought into this team for broader consideration of the needs of freight users.
E. Interstate 20 Freight Corridor Strategy
   The I-20 Freight Corridor Strategy will assist the RPCGB to better understand freight movement along the I-20 corridor in order that cross-regional strategies might be developed and advanced. The strategy will engage other regional councils of government, to include their respective metropolitan and rural planning organizations, as well as freight movers, businesses, and other stakeholders to establish an ongoing dialogue about how both public and private resources might be leveraged in order to improve goods movement and enhance economic opportunities. Ideally, strategy also will inform the State Freight Plan and the goods movement strategies of neighboring regional councils of governments and industry concerns.
F. Freight Project Evaluation
   Using the data collected, staff will continue to develop a set of project evaluation criteria to rank projects and assist in getting them into the appropriate documents.

Products
A. Freight Data Collection
B. Regional Truck Route Map
C. Stakeholder Outreach
D. Freight Outlook Plan
E. I-20 Freight Corridor Strategy

**Staffing**
Regional Planning Commission of Greater Birmingham, direct contract labor and/or third-party contractors for activities, and organizations identified under Proposed Work.

**Timeline for Proposed Work**
- Regional Truck Route Map - Fall 2013
- Freight Outlook Plan - Winter 2014
- I-20 Freight Corridor Strategy - Summer 2014

**Financial Responsibility**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$25,000</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$20,000</td>
</tr>
<tr>
<td>Local</td>
<td>$5,000</td>
</tr>
</tbody>
</table>
5.7 Transportation System Performance Management and Monitoring

Objectives
To collect, maintain, monitor, analyze and report congested conditions. To develop and maintain an inventory of transportation system infrastructure and services. To monitor and report on transportation system use and performance characteristics, to include transportation system safety and security, system reliability, and system efficiency in order to extend the useful life of transportation infrastructure. To monitor congestion and highway system performance.

Previous Work
The RPCGB has continued to collect and inventory a variety of transportation related data such as the Census Transportation Planning Package (CTPP), land use and economic development data, public transit and human service transportation data, natural resources, and other related demographic and socioeconomic data. The Congestion Management Process (CMP) has developed transportation system indicators related to travel time and congested travel conditions, to include peak travel periods and duration. Specific work tasks that were previously undertaken, or are currently ongoing, include:

- Data collection to include traffic counts and monitoring system.
- Annual congestion report.
- Data and Resource Sharing (Regional Transportation Data Clearinghouse) web page (maintained on the RPCGB website).
- Ongoing coordination for incident management.
- Traffic counts continue to be gathered, analyzed and posted to the RPCGB website. Travel time information has been collected in a variety of formats.
- Introduction of “Smart Corridor” concept via the Birmingham 2035 RTP.
- Support for regional ITS architecture and system development.
- MPO financial support for regional ITS fiber audit.
- MPO financial support for regional traffic signal coordination in key travel corridors.
- Support for inclusion of ITS on transit vehicles.

Proposed Work
Proposed work includes the continued development, maintenance, and administration of programs and projects meant to expand the body of information about the transportation system. This includes, but is not limited to, the following programs and/or projects:

A. Congestion Management Process
The Congestion Management Process (CMP) enables the Birmingham metropolitan planning area to comply with federal regulations for transportation management areas having populations of 200,000 or more by empowering the RPCGB to develop and maintain a congestion management process for the purpose of monitoring, managing and mitigating congestion across the region’s transportation system. The CMP also enables the RPCGB to address federal Livability Principles.

Primarily, the work that will be accomplished for the CMP includes:

1. Congestion Management Process Administration
   - Congestion Management Committee Administration.
   - Transportation System Data Collection and Monitoring (see Tasks 2.1, 2.2, 2.4 and subtask 5.3.3).
   - Transportation System Data Center website.
• Performance Reporting. An annual congestion report will be developed for the Birmingham MPA. Staff will participate in and contribute to annual meetings of the Congestion Management Committee.

2. MAP-21 Requirements
   The MAP-21 requirements related to the CMP will be addressed. These include:
   • Analyze data to support the “congestion reduction”, “System Reliability” and other relevant National Goals for Performance Management.
   • Develop regional congestion performance measures based on the available data
   • Engage in the federal rulemaking process on performance measures for congestion reduction and system reliability.
   • Coordinate with member governments and agencies on the establishment of congestion reduction and system reliability targets.

3. Livability Indicators
   Data will be prepared and presented in the Congestion Management Plan in accordance with the Livability Principles and Indicators guidelines that are identified on pages 2-3 of this document. The Indicators will be monitored and reported in future years against the baseline data presented in the CMP.

B. Regional Transportation System Management and Operations Planning
   MAP-21 defines “Regional Transportation Systems Management and Operations (RTSMO)” as:

   Integrated strategies to optimize the performance of existing infrastructure through the implementation of multimodal and intermodal, cross-jurisdictional systems, services, and projects designed to preserve capacity and improve security, safety, and reliability of the transportation system.

   The work that will be accomplished to provide for the development and advancing of the RTSMO shall center around the provision of opportunities for coordination and collaborative enhancement of transportation technology and operations within the Birmingham metropolitan planning area. This is consistent with MAP-21 RTSMO requirements.

1. Develop a Transportation System Management and Operations Plan to address:
   • Technology and Operations Strategies - technology and operations strategies to address non-recurring congestion aspects of the regional Congestion Management Process.
   • Maintenance and Construction Coordination - regional sharing of available maintenance and construction information for cross-jurisdictional coordination purposes and traveler information. The RPCGB’s proposes development of a publicly accessible regional construction coordination system to provide traveler information.
   • Traffic Signal Coordination and Management - assist member agencies in the exchange and coordination of inter-jurisdictional traffic signal operations information and activities. The RPCGB also will examine traffic signal systems and operations from the regional perspective, including emergency planning needs.

2. Facilitate Congestion Management Committee discussions specific to Transportation System Management and Operations. Discussions will include:
   • Incident Management Function - The Birmingham MPO will continue to expand and integrate traffic incident management and response planning efforts into the overall transportation planning process to help address non-recurring congestion. The RPCGB will
continue to facilitate the Incident Management Function (IMF), organizing training and participating in ITS related activities in and adjacent to the region as necessary. The Birmingham Regional IMF works to improve communications between first responders, the ALDOT, and the traveling public, and serve as the steering committee for the development of a regional incident management plan.

- Developing a methodology to evaluate and prioritize Maintenance and Operations (M&O) projects for MPO funding
- Researching advanced methods and applications to evaluate M&O project benefits.
- Serving as an information exchange resource to coordinate M&O activities where appropriate.

3. Regional Intelligent Transportation Systems (ITS) Architecture
   The RPCGB will work with the ALDOT and local transportation agencies to update and maintain the regional Intelligent Transportation Systems (ITS) architecture, developed in cooperation with the Alabama Department of Transportation, in accordance with federal law and regulations. ITS planning includes the application and integration of advanced technologies, information processing, communications technologies and advanced control strategies for the efficient and effective operation of the existing transportation system.

C. Regional Transportation Data Clearinghouse
   Comprehensive and accurate data is vitally important for transportation planning, air quality analysis, model(s) development, congestion management process, and project evaluation and prioritization. The RPCGB will provide efficient access to a comprehensive data set containing current and historic data on the characteristics and performance of the region’s transportation system. This information will be made available to the ALDOT, the region’s transportation agencies, local governments, RPCGB and Birmingham MPO stakeholders, and the general public.

   In order to provide this information, the RPCGB will continue to work with the University of Alabama at Birmingham to coordinate information gathered from local governments, state and regional agencies, the Birmingham Jefferson County Transit Authority and other public transit service providers, and other entities and/or agencies (public, quasi-public, non-governmental, and private) to transfer data to and from the Regional Transportation Data Clearinghouse. The RPCGB will also work to update the Data Clearinghouse with updated highway and transit performance data as these data become available. Specific work activities proposed for the Data Clearinghouse includes:

1. Traffic Count Program - obtain traffic count data (including turning movement counts) as may be required for monitoring the transportation system, and to support program and project studies (to be determined).

2. Transit Data Collection Program obtain and maintain transit networks within the RPCGB’s GIS and travel demand mode; obtain transit ridership data to include boarding and alighting information, trip making matrices, transit user characteristics.

3. Freight System Data Collection Program – Collect freight system data utilizing both publicly available and privately held data. This will include developing an inventory of freight trip generators and attractors.

4. Trail Count Program - conduct bicycle and pedestrian counts along both regional and local off-road trails and on-street bicycle facilities. Counts will be collected using infrared and magnetic counters. Data will be downloaded, tabulated and assessed in order to evaluate usage and demand characteristics.
5. **Transportation System Performance Monitoring** - monitor the transportation system performance, specifically highway and freight system performance, including establishment of performance baselines and targets. Such metrics might include delay and travel time which will be developed using proven engineering techniques and purchased data as needed.

**Products**

A. Congestion Management Process Administration
   - Congestion Management Committee
   - Documentation, as necessary, supporting MAP-21 requirements of the CMP
   - Summaries, outreach materials, and white paper(s) on technical issues as needed - Ongoing
   - Supporting data sets

B. Regional Transportation System Management and Operations Planning
   - Incident Management Plan
   - Transportation Management and Operations Plan
   - Congestion Management Annual Report
   - Regional Transportation System Management and Operations Plan
   - Regional ITS Architecture Update

C. Regional Transportation Data Clearinghouse
   - Annual Transportation System Fact Book and Performance Report
   - Traffic Count Maps (print and interactive online GIS)
   - Travel Time Maps (print and interactive online GIS)

**Staffing**

Regional Planning Commission of Greater Birmingham, direct contract labor and/or third-party contractors for activities and organizations identified under Proposed Work.

**Timeline for Proposed Work**

Regional Transportation System Management and Operations Planning
   - Incident Management Plan – Fall 2014
   - Transportation Management and Operations Plan – Fall 2013
   - Congestion Management Annual Report - Spring 2014
   - Regional Transportation System Management and Operations Plan – Fall 2013
   - Regional ITS Architecture Update - Summer 2014

**Financial Responsibility**

<table>
<thead>
<tr>
<th></th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$262,500</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$10,000</td>
</tr>
<tr>
<td>STPBH</td>
<td>$200,000</td>
</tr>
<tr>
<td>Local</td>
<td>$52,500</td>
</tr>
</tbody>
</table>
5.8 Transportation Safety and Security Planning

Objectives
To incorporate transportation safety into the planning process and improve transportation safety in the community. To provide support and coordination for the transportation sector's role in overall regional emergency preparedness planning. MAP-21 requires metropolitan planning to increase the safety of the transportation system for motorized and non-motorized users. These and other factors, along with heightened awareness of the safety problem, have demonstrated the need for the regional transportation safety planning program.

MAP-21 also requires that the metropolitan planning process address the security of the transportation system for motorized and non-motorized users. Transportation security addresses a much larger regional emergency preparedness planning program primarily funded outside the UPWP by U.S. Department of Homeland Security. Transportation security considerations often include specialized needs for transportation sector involvement in Homeland Security-directed preparedness activities. These efforts are advised by a Regional Emergency Support Function #1

Previous Work
- Used CARE database to identify potential corridors for crash data analysis
- Assisted the Federal Emergency Management Administration with disaster response and recovery efforts

Proposed Work
A. Work and coordinate with ALDOT in developing, updating and maintaining the State Highway Safety Plan
B. Coordinate MPO safety planning efforts with the State Strategic Highway Plan
C. Integrate and maintenance transportation safety and security considerations into the Regional Transportation Plan, and the overall planning process.
D. Provide opportunities for consideration, coordination, and collaboration planning for safety aspects of the region's transportation systems.
E. Advance MAP-21 requirements related to transportation safety by collecting, analyzing, and reporting on incident/crash data, to include:
   - Compilation of fatality and injury data to support the “safety” National Goal for Performance Management.
   - Stakeholder and agencies (federal, state, regional, and local) coordination and consultation to establish safety targets.
   - Review and assessment of CARE database
   - Local police department – determined detailed safety problems at local intersections.
   - Tabulation of incident data by involvement – passenger vehicle, heavy duty truck, pedestrian and bicycle.
F. Work with municipal stakeholders to determine the Birmingham MPO’s roles (if any) in declared emergencies and catastrophes – Region 1 Emergency Planning Team.
G. Participate in Region 1 Emergency Planning Team activities and work with RESF-1 (Transportation) and RESF-3 (Public Works) on SWOT (strength, weaknesses, opportunities, threats) assessments, resource typing, and project needs.
H. Support pedestrian and bicycle safety outreach campaigns, to include Public Service Announcements to educate both non-motorists and motorists about behaviors that impact traveler safety.
I. Actively participate in the federal rulemaking on performance measures for safety.
J. Continue to support the Jefferson State College transportation safety education program by providing material aid for seminars, lectures, and experiential driving and crash demonstrations.

**Products**
A. Regional and corridor specific crash profile reports  
B. Engage Emergency Management Authority in RESF-1 and RESF-3 training  
C. Crash maps and tables  
D. Public Service Announcements

**Staffing**
Regional Planning Commission of Greater Birmingham, direct contract labor and/or third-party contractors for activities, and organizations identified under Proposed Work.

**Timeline for Proposed Work**
- Regional Crash Profile Report – Fall/Winter 2013  
- Transportation Safety Plan – Fall 2014

**Financial Responsibility**
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$12,500</td>
</tr>
<tr>
<td>PL (FHWA)</td>
<td>$10,000</td>
</tr>
<tr>
<td>Local</td>
<td>$ 2,500</td>
</tr>
</tbody>
</table>
5.9 Technical Assistance for Local Communities and Agencies

Objectives
To provide technical assistance, and/or support to local entities (governmental and non-governmental), and the general public for any planning related issues and requests that are either too small in scope or too short-lived to rise to the level of requiring a formal scope and budget.

To account for staff time spent addressing technical assistance and support requests as described above.

Requests may include:
- Staff time to participate in technical review committees and task forces
- Execution of small technical reviews/studies
- Assisting with drafting work statements and tasks
- Developing monthly progress and budgetary reports
- Technical quality control
- Data/document request fulfillment

Previous Work
- Meeting attendance
- Assistance to local governments
- Data mining and report processing
- Document printing and delivery
- Printing maps
- Meeting facilitation/organization

Proposed Work
The Regional Planning Commission of Greater Birmingham will assist local governments, small project sponsors, and non-governmental organizations by providing general planning support and technical assistance on an as-requested basis, and when financially and technically feasible. This includes:
A. Attending City Council, local Planning Commission, neighborhood association, and other community and/or organizational meetings as requested
B. Providing comments/input to reports, correspondence, and discussions on transportation related topics on specific transportation issues or items
C. Mapping assistance
D. Data assistance

Additionally, the RPCGB will assist local communities and transportation agencies with the administration and implementation of locally managed projects as defined by the Alabama Department of Transportation’s Local Project Administration (LPA) program. LPA assistance may be provided, upon request and when financially and technical feasible.

Products
A. Assistance with project management and implementation as necessary
B. Analyses and planning assistance as requested
C. Reports and memoranda related to local assistance as required.
D. Attendance at meetings as requested.
E. Attendance, if available, at workshops, conferences and training to improve efficiency and skills under this work program task

**Staffing**
Regional Planning Commission of Greater Birmingham, ALDOT, direct contract labor, and/or 3rd party contractors for activities, and organizations identified under Proposed Work.

**Timeline for Proposed Work**
None

**Financial Responsibility**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$25,000</td>
</tr>
<tr>
<td>PL</td>
<td>$ 20,000</td>
</tr>
<tr>
<td>Local</td>
<td>$  5,000</td>
</tr>
</tbody>
</table>
6.1 CommuteSmart Program (Rideshare)

Objectives
To reduce reliance on the single-occupant automobile through programs that result in air emissions reductions and continue to address the federal Livability Principles.

Previous Work
Ongoing activities have been conducted for employer-based outreach programs, vanpool operations services, and park-and-ride lot development. An annual report documenting accomplishments was prepared and printed.

Proposed Work
A. Outreach and Marketing Activities - Designed to increase the number of employers who encourage use of commuting alternatives and the number of participants in the program.
B. Turn-Key Vanpool Operations Services
C. Park and Ride - Increase number of locations for park and ride, install directional signs on roadways, and increase marketing efforts.
D. Conduct a bikeshare feasibility study for the downtown Birmingham area; if bikeshare is deemed feasible then steps for execution will be applied per the implementation plan.

Products
B. Outreach and marketing of vanpool and rideshare programs – Ongoing
C. Outreach and marketing of park and ride program – Ongoing

Staffing
Regional Planning Commission of Greater Birmingham, direct contract labor and/or third-party contractors for activities, and organizations identified under Proposed Work (VPSI $385,000, marketing/media $150,000 and Third Party Contract $65,000).

Timeline for Proposed Work
- Document emissions reduction estimates – January 2014

Financial Responsibility
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$1,200,000</td>
</tr>
<tr>
<td>STPBH (FHWA)</td>
<td>$1,200,000</td>
</tr>
<tr>
<td>Local</td>
<td>$0</td>
</tr>
</tbody>
</table>
6.2 Building Communities Program

Objectives
To provide grants to local communities within the Birmingham MPA for projects, strategies, and services that support the Scope of the Planning Factors and meet the federal Livability Principles, including transportation and land use integration, economic vitality, safety and security, accessibility and mobility, environmental/air quality, and system preservation.

Previous Work
- City of Vestavia Hills – U.S. 31 Corridor Plan
- City of Homewood – West Homewood Community Plan
- City of Homewood Sidewalk Plan
- City of Montevallo Active Transportation Plan
- City of Center Point Benchmark Plan
- East Thomas Neighborhood Plan

Proposed Work
A negotiated process between the RPCGB and MPO governments is used to develop Building Communities projects consistent with eligible transportation and land use activities. Land use and transportation needs are identified, a determination is made for consistency with Building Communities’ goals, a project scope of work and budget are developed, and a cost sharing agreement is made. The MPO will document projects in the semi-annual report.

Projects currently in progress in FY 2013 and scheduled to be completed in FY 2014 include:
A. Shelby County Columbiana rails-to-trails conversion study
B. City of Birmingham Titusville Community Framework Plan
C. City of Gardendale Comprehensive Plan
D. City of Vestavia Hills - Form Based Code

Projects currently being negotiated to begin in FY 2013 and be completed in FY 2014 include:
A. City of Birmingham West End Community Framework Plan
B. City of Alabaster Transportation Plan
C. Pinson Intersecting Roadways Plan
D. City of Midfield Comprehensive Plan

Ongoing work typology associated with the Building Communities Program includes:
- Comprehensive Transportation Plan (CTP) - This will serve as the blueprint to improve and maintain the transportation system and is multi-modal in nature, consisting of four elements: roadways, bicycle and pedestrian facilities, transit and land use.
- Corridor Transportation Plan - For the purposes of this program, a corridor is defined as being 1/4-1/2 mile wide and should be functionally classified as major collectors or higher.
- Sub-Area Transportation Plan – This is similar to the CTP, but breaks out a smaller geographic area. It may provide a narrower focus, concentrating on specific transportation system elements, development, and/or services. The relationship between transportation and land use must be clearly articulated, considering the impacts to “regionally significant” roadways and may include:
1. Neighborhood Transportation Plan.
2. Station Area Plan for Public Transportation.
3. Activity Center Transportation Plan.

- **Non-Motorized Transportation Plan** - Identifies the means to establish a physical and cultural environment that supports and encourages safe, comfortable, and convenient ways for pedestrians and bicyclists to travel throughout their community. This would include walking, bicycling, small-wheeled transport (skates, skateboards, push scooters, and hand carts), and wheelchair travel.

- **Administrative and Regulatory Tools** - Implements and/or enforces all or part of an adopted plan document.

**Products**

Plans and programs suitable for implementation

**Staffing**

Regional Planning Commission of Greater Birmingham, direct contract labor and/or third-party contractors for activities, and organizations identified under Proposed Work

**Timeline for Proposed Work**

None

**Financial Responsibility**

<table>
<thead>
<tr>
<th></th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$625,000</td>
</tr>
<tr>
<td>STPBH (FHWA)</td>
<td>$500,000</td>
</tr>
<tr>
<td>Local</td>
<td>$125,000</td>
</tr>
</tbody>
</table>
7.1 U.S. 11 East / U.S. 78 East Corridor Alternatives Analysis

Objectives
Provide transportation alternatives to improve travel in the U.S. 11/U.S. 78 East corridor and addresses federal Livability Principles.

Previous Work
- Transit Alternatives Analysis and Transit Service Plans
- Building Communities Project - City of Leeds Master Plan

Proposed Work
Work activities will consider alternatives that augment, support, and complement existing transit services, non-motorized travel, and roadway operations and management. The study will also provide land development/redevelopment scenarios for the corridor. Specific activities include:
A. Public Engagement and Stakeholder Outreach using innovative strategies to receive input regarding scenario development, potential alignment/routing, and technology.
B. Data Collection and Analysis using a variety of technical tools.
C. Corridor-Wide Vision for Development will guide detailed station planning activities.
D. Identification of Transit Modal and Alignment Alternatives based on a preferred corridor vision.
E. Corridor-Wide Land Use and Transportation System Scenarios developed and assessed as to their contribution to the corridor’s accessibility, mobility, and connectivity.
F. Detailed Plans to guide land use, urban design, economic opportunities, social services, community and civic infrastructure/services, and other quality of life issues.
G. Implementation and Funding Strategies will be identified for appropriateness and execution.

Products
A. Public and stakeholder outreach events
B. Data collection and documentation
C. Map products
D. Corridor concept alternatives

Staffing
Regional Planning Commission of Greater Birmingham, direct contract labor and/or third-party contractors for activities, and organizations identified under Proposed Work.

Timeline for Proposed Work
- Alternatives for Corridor – Summer 2013
- Detailed Plans – Fall 2013

Financial Responsibility
Total $1,417,178
5309 (FTA) $1,133,742
Local $283,436
7.2 Corridor Planning and Development Support

Objectives
To develop corridor-management plans for specific highways. To provide administrative and technical support for existing and emerging corridor coalitions

Previous Work
- U.S. 280 Parallel Corridor/Route Assessment
- U.S. 31 Corridor Study - Vestavia Hills (Building Communities project)
- U.S. 11 Southwest Transit Corridor Alternatives Analysis
- Five Mile Creek Greenway Master Plan

Proposed Work
A. U.S. Highway 280 Consolidated Corridor Plan
   Consolidation of recommendations from the many U.S. 280 corridor transportation plans that have been conducted over many years.

B. U.S. Highway 78 West Corridor Plan
   Reevaluation of recommendations to expand capacity along U.S. Highway 78 west in light of the opening of Corridor X (I-22), a new interstate that parallels the U.S. Highway 78 corridor.

C. Corridor Planning Support
   Support continued corridor planning work conducted under the Building Communities and/or APPLE programs by providing limited technical assistance per the criteria identified in UPWP Task 5.9 – Technical Assistance for Local Communities and Agencies.

D. Corridor Coalition Administrative and Technical support
   Provide support to existing and emerging corridor based organizations that are pursuing the implementation of transportation system recommendations identified during previous planning processes.

1. Five Mile Creek Corridor Coalition
   The RPCGB will assist the communities located along the Five Mile Creek greenway corridor to develop a formal Five Mile Creek Corridor Coalition, and continue to assist these communities with the management and implementation of the Five Mile Creek greenway trail project.

2. Bessemer Super Highway Corridor Coalition
   The RPCGB will assist the communities located in the Bessemer Super Highway Corridor (U.S. 11 Southwest) with forming, developing, and managing a corridor coalition in order that they might begin to advance and realize the recommendations of the U.S. 11 Southwest Transit Corridor Alternatives Analysis.

3. Regional Brownfield Task Force
   The RPCGB will support the ongoing work of the Regional Brownfield Task Force by providing administrative and technical assistance to help manage the program, secure funding, and address travel demands and other transportation issues in critical travel corridors via land development and reuse solutions. (see task 4.2)

Products
A. U.S. Highway 280 Consolidated Corridor Plan document
B. U.S. Highway 78 West Corridor Plan document
C. Corridor Organization Administrative and Technical Assistance
- Annual Work Program
- Regular meetings
- Workshops and training events

D. Tables, data summaries, and technical memorandums as required for specific projects that have not yet been identified

**Staffing**
Regional Planning Commission of Greater Birmingham

**Timeline for Proposed Work**
U.S. Highway 280 Consolidated Corridor Plan - Summer 2014
U.S. Highway 78 West Corridor Plan - Fall 2014

**Financial Responsibility**

<table>
<thead>
<tr>
<th>Total</th>
<th>$6,250</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL (FHWA)</td>
<td>$5,000</td>
</tr>
<tr>
<td>Local</td>
<td>$1,250</td>
</tr>
</tbody>
</table>
This page left intentionally blank
Appendix A
# LIST OF ACRONYMS

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADEM</td>
<td>Alabama Department of Environmental Management</td>
</tr>
<tr>
<td>ALDOT</td>
<td>Alabama Department of Transportation</td>
</tr>
<tr>
<td>APCA</td>
<td>Alabama Partners for Clean Air</td>
</tr>
<tr>
<td>BJCTA</td>
<td>Birmingham Jefferson County Transit Authority</td>
</tr>
<tr>
<td>CMAQ</td>
<td>Congestion Mitigation Air Quality</td>
</tr>
<tr>
<td>COOP</td>
<td>Continuity of Operations Plan</td>
</tr>
<tr>
<td>CTP</td>
<td>Comprehensive Transportation Plan</td>
</tr>
<tr>
<td>EPA</td>
<td>Environmental Protection Agency</td>
</tr>
<tr>
<td>FHWA</td>
<td>Federal Highway Administration</td>
</tr>
<tr>
<td>FTA</td>
<td>Federal Transit Administration</td>
</tr>
<tr>
<td>GHG</td>
<td>Greenhouse Gas(es)</td>
</tr>
<tr>
<td>GIS</td>
<td>Geographic Information System</td>
</tr>
<tr>
<td>HSCTP</td>
<td>Human Services Coordinated Transportation Plan</td>
</tr>
<tr>
<td>IAC</td>
<td>Interagency Consultation</td>
</tr>
<tr>
<td>JCDH</td>
<td>Jefferson County Department of Health</td>
</tr>
<tr>
<td>JARC</td>
<td>Job Access Reverse Commute Program</td>
</tr>
<tr>
<td>LRTP</td>
<td>Long Range Transportation Plan</td>
</tr>
<tr>
<td>MAP-21</td>
<td>Moving Ahead for Progress in the 21st Century</td>
</tr>
<tr>
<td>MOVES</td>
<td>Motor Vehicle Emissions Simulator</td>
</tr>
<tr>
<td>MPA</td>
<td>Metropolitan Planning Area</td>
</tr>
<tr>
<td>MPO</td>
<td>Metropolitan Planning Organization</td>
</tr>
<tr>
<td>NEPA</td>
<td>National Environmental Policy Act</td>
</tr>
<tr>
<td>PL</td>
<td>Federal Highway Administration Planning Funds</td>
</tr>
<tr>
<td>RTP</td>
<td>Regional Transportation Plan</td>
</tr>
<tr>
<td>SAFETEA-LU</td>
<td>Safe, Accountable, Flexible, and Efficient Transportation Equity Act: A Legacy for Users</td>
</tr>
<tr>
<td>SIP</td>
<td>State Implementation Plan</td>
</tr>
<tr>
<td>SLS</td>
<td>State or Local Share</td>
</tr>
<tr>
<td>SRTS</td>
<td>Safe Routes to School</td>
</tr>
<tr>
<td>STP</td>
<td>Surface Transportation Program</td>
</tr>
<tr>
<td>STPBH</td>
<td>Surface Transportation Program for Birmingham</td>
</tr>
<tr>
<td>TAP</td>
<td>Transportation Alternatives Program</td>
</tr>
<tr>
<td>TAZ</td>
<td>Traffic Analysis Zones</td>
</tr>
<tr>
<td>TDP</td>
<td>Transit Development Plan</td>
</tr>
<tr>
<td>TIP</td>
<td>Transportation Improvement Program</td>
</tr>
<tr>
<td>USDOT</td>
<td>U.S. Department of Transportation</td>
</tr>
<tr>
<td>VMT</td>
<td>Vehicle Miles Traveled</td>
</tr>
<tr>
<td>TASKS</td>
<td>PL</td>
</tr>
<tr>
<td>-------</td>
<td>----</td>
</tr>
<tr>
<td>1.0 ADMINISTRATION</td>
<td></td>
</tr>
<tr>
<td>1.1 MPO Administration</td>
<td>$138,228</td>
</tr>
<tr>
<td>1.2 Unified Planning Work Program</td>
<td>$12,000</td>
</tr>
<tr>
<td>1.3 Capital and Operating Purchases</td>
<td>$44,750</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>1.4 Education and Training</td>
<td></td>
</tr>
<tr>
<td>1.5 Continuity of Operations Plan</td>
<td></td>
</tr>
<tr>
<td>2.0 PLANNING INFORMATION</td>
<td></td>
</tr>
<tr>
<td>2.1 Data Collection</td>
<td>$40,000</td>
</tr>
<tr>
<td>2.2 Data Analysis/Forecasting</td>
<td>$35,000</td>
</tr>
<tr>
<td>2.3 Geographic Information Systems</td>
<td>$50,000</td>
</tr>
<tr>
<td>2.4 Model Development Program</td>
<td>$65,000</td>
</tr>
<tr>
<td>3.0 PUBLIC INVOLVEMENT</td>
<td>$59,412</td>
</tr>
<tr>
<td>4.0 ENVIRONMENTAL PROCESS PLANNING</td>
<td></td>
</tr>
<tr>
<td>4.1 Air Quality Planning</td>
<td>$100,000</td>
</tr>
<tr>
<td>4.2 Environmental Consultation Process</td>
<td>$15,000</td>
</tr>
<tr>
<td>4.3 Advanced Planning, Programming, and Logical Engineering (APPLE)</td>
<td>$25,000</td>
</tr>
<tr>
<td>4.4 Climate Change</td>
<td>$2,500</td>
</tr>
</tbody>
</table>
## TABLE 1

**UNIFIED PLANNING WORK PROGRAM**

**FY 2014**

*(Organizational Responsibility)*

**Federal Dollars ($) Only**

<table>
<thead>
<tr>
<th>TASKS</th>
<th>PL</th>
<th>RPC</th>
<th>STATE PLANNING AND RESEARCH FUNDING (SPR)</th>
<th>CONTRACTOR</th>
<th>TOTAL FEDERAL $</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5.0 TRANSPORTATION SYSTEMS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.1 Regional Transportation Plan</td>
<td>$245,838</td>
<td>$145,838</td>
<td></td>
<td>$100,000 Third party contractor</td>
<td>$245,838</td>
</tr>
<tr>
<td>5.1.1 Air Quality Conformity Analysis and Reporting Preparation (RTP)</td>
<td>$30,000</td>
<td>$30,000</td>
<td></td>
<td></td>
<td>$30,000</td>
</tr>
<tr>
<td>5.1.2 Amended RTP Project Listings for Air Quality Conformity</td>
<td>$30,000</td>
<td>$30,000</td>
<td></td>
<td></td>
<td>$30,000</td>
</tr>
<tr>
<td>5.2 Transportation Improvement Program (TIP)</td>
<td>$80,000</td>
<td>$80,000</td>
<td></td>
<td></td>
<td>$80,000</td>
</tr>
<tr>
<td>5.2.1 Amended TIP Project Listings for Air Quality Conformity</td>
<td>$10,000</td>
<td>$10,000</td>
<td></td>
<td></td>
<td>$10,000</td>
</tr>
<tr>
<td>5.3 Thoroughfare Planning</td>
<td>$5,000</td>
<td>$5,000</td>
<td></td>
<td></td>
<td>$5,000</td>
</tr>
<tr>
<td>5.4 Public Transportation Planning</td>
<td>$40,000</td>
<td>$40,000</td>
<td></td>
<td></td>
<td>$40,000</td>
</tr>
<tr>
<td>5.5 Active Transportation Planning</td>
<td>$30,000</td>
<td>$30,000</td>
<td></td>
<td></td>
<td>$30,000</td>
</tr>
<tr>
<td>5.6 Logistics Systems Planning</td>
<td>$20,000</td>
<td>$20,000</td>
<td></td>
<td></td>
<td>$20,000</td>
</tr>
<tr>
<td>5.7 Transportation System Performance Management and Monitoring</td>
<td>$10,000</td>
<td>$10,000</td>
<td></td>
<td>$200,000 Third party contractor</td>
<td>$210,000</td>
</tr>
<tr>
<td>5.8 Transportation Safety Planning</td>
<td>$10,000</td>
<td>$10,000</td>
<td></td>
<td></td>
<td>$10,000</td>
</tr>
<tr>
<td>5.9 Technical Assistance for Local Communities and Agencies</td>
<td>$20,000</td>
<td>$20,000</td>
<td></td>
<td></td>
<td>$20,000</td>
</tr>
<tr>
<td><strong>6.0 PROGRAM PLANNING</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.1 CommuteSmart Program (Rideshare)</td>
<td></td>
<td>$600,000</td>
<td></td>
<td>$385,000 VPSI $150,000 Marketing/Media $65,000 Third party contractor</td>
<td></td>
</tr>
<tr>
<td>6.2 Building Communities</td>
<td></td>
<td>$480,000</td>
<td></td>
<td>$60,000 Third party contractor</td>
<td></td>
</tr>
<tr>
<td><strong>7.0 SPECIAL PROJECTS AND CORRIDOR MANAGEMENT PLANNING</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.1 U.S. 11 East U.S. 78 East Corridor Alternatives Analysis</td>
<td>$100,000</td>
<td></td>
<td>$1,033,742 Third party contractor</td>
<td>$1,133,742</td>
<td></td>
</tr>
<tr>
<td>7.2 Corridor Planning and Development Support</td>
<td>$5,000</td>
<td>$5,000</td>
<td></td>
<td></td>
<td>$5,000</td>
</tr>
<tr>
<td>State Planning and Research Funding (SPR)</td>
<td></td>
<td></td>
<td></td>
<td>$200,000</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>$1,032,728</td>
<td>$2,142,978</td>
<td>$200,000</td>
<td>$2,934,280</td>
<td>$5,266,470</td>
</tr>
</tbody>
</table>
# Tasks

## 1. Administration

1.1 MPO Administration
- **FHWA PL:** $138,228
- **SLS:** $34,557
- **ALDOT Support:** $138,228
- **FEDERAL SLS:** $34,557

1.2 Unified Planning Work Program
- **FHWA PL:** $12,000
- **SLS:** $3,000
- **ALDOT Support:** $12,000
- **FEDERAL SLS:** $3,000

1.3 Capital and Operating Purchases
- **FHWA PL:** $44,750
- **SLS:** $11,188
- **ALDOT Support:** $44,750
- **FEDERAL SLS:** $11,188

1.4 Education and Training
- **FHWA PL:** $30,000
- **SLS:** $7,500
- **ALDOT Support:** $30,000
- **FEDERAL SLS:** $7,500

1.5 Continuity of Operations Plan
- **FHWA PL:** $5,000
- **SLS:** $1,250
- **ALDOT Support:** $5,000
- **FEDERAL SLS:** $1,250

## 2. Planning Information

2.1 Data Collection
- **FHWA PL:** $40,000
- **SLS:** $10,000
- **ALDOT Support:** $40,000
- **FEDERAL SLS:** $10,000

2.2 Data Analysis/Forecasting
- **FHWA PL:** $35,000
- **SLS:** $8,750
- **ALDOT Support:** $35,000
- **FEDERAL SLS:** $8,750

2.3 Geographic Information Systems
- **FHWA PL:** $50,000
- **SLS:** $12,500
- **ALDOT Support:** $50,000
- **FEDERAL SLS:** $12,500

2.4 Model Development Program
- **FHWA PL:** $65,000
- **SLS:** $16,250
- **ALDOT Support:** $65,000
- **FEDERAL SLS:** $16,250

## 3. Public Involvement

- **FHWA PL:** $59,412
- **SLS:** $14,853
- **ALDOT Support:** $59,412
- **FEDERAL SLS:** $14,853

## 4. Environmental Process Planning

4.1 Air Quality Planning
- **FHWA PL:** $800,000
- **SLS:** $0
- **ALDOT Support:** $800,000
- **FEDERAL SLS:** $0

4.2 Environmental Consultation Process
- **FHWA PL:** $15,000
- **SLS:** $3,750
- **ALDOT Support:** $15,000
- **FEDERAL SLS:** $3,750

4.3 Advanced Planning, Programming and Logical Engineering (APPLE)
- **FHWA PL:** $200,000
- **SLS:** $50,000
- **ALDOT Support:** $200,000
- **FEDERAL SLS:** $50,000

4.4 Climate Change
- **FHWA PL:** $2,500
- **SLS:** $625
- **ALDOT Support:** $2,500
- **FEDERAL SLS:** $625

## 5. Transportation Systems

5.1 Regional Transportation Plan (RTP)
- **FHWA PL:** $245,838
- **SLS:** $61,460
- **ALDOT Support:** $245,838
- **FEDERAL SLS:** $61,460

5.1.1 Amended RTP Project Listings for Air Quality Conformity
- **FHWA PL:** $30,000
- **SLS:** $7,500
- **ALDOT Support:** $30,000
- **FEDERAL SLS:** $7,500

5.1.2 Amended RTP Project Listings for Air Quality Conformity
- **FHWA PL:** $30,000
- **SLS:** $7,500
- **ALDOT Support:** $30,000
- **FEDERAL SLS:** $7,500

5.2 Transportation Improvement Program (TIP)
- **FHWA PL:** $80,000
- **SLS:** $20,000
- **ALDOT Support:** $80,000
- **FEDERAL SLS:** $20,000

5.2.1 Amended TIP Project Listings for Air Quality Conformity
- **FHWA PL:** $10,000
- **SLS:** $2,500
- **ALDOT Support:** $10,000
- **FEDERAL SLS:** $2,500

5.3 Thoroughfare Planning
- **FHWA PL:** $5,000
- **SLS:** $1,250
- **ALDOT Support:** $5,000
- **FEDERAL SLS:** $1,250

5.4 Public Transportation Planning
- **FHWA PL:** $40,000
- **SLS:** $10,000
- **ALDOT Support:** $40,000
- **FEDERAL SLS:** $10,000

5.5 Active Transportation Planning
- **FHWA PL:** $30,000
- **SLS:** $7,500
- **ALDOT Support:** $30,000
- **FEDERAL SLS:** $7,500

5.6 Logistics Systems Planning
- **FHWA PL:** $20,000
- **SLS:** $5,000
- **ALDOT Support:** $20,000
- **FEDERAL SLS:** $5,000

5.7 Transportation System Performance Management and Monitoring
- **FHWA PL:** $10,000
- **SLS:** $2,500
- **ALDOT Support:** $200,000
- **FEDERAL SLS:** $50,000

5.8 Transportation Safety Planning
- **FHWA PL:** $10,000
- **SLS:** $2,500
- **ALDOT Support:** $10,000
- **FEDERAL SLS:** $2,500

5.9 Technical Assistance for Local Communities and Agencies
- **FHWA PL:** $20,000
- **SLS:** $5,000
- **ALDOT Support:** $20,000
- **FEDERAL SLS:** $5,000

## 6. Program Planning

6.1 CommuteSmart Program (Rideshare)
- **FHWA PL:** $1,200,000
- **SLS:** $0
- **ALDOT Support:** $1,200,000
- **FEDERAL SLS:** $0

6.2 Building Communities
- **FHWA PL:** $500,000
- **SLS:** $125,000
- **ALDOT Support:** $500,000
- **FEDERAL SLS:** $125,000

## 7. Special Projects and Corridor Management Planning

7.1 U.S. 11 East/U.S. 78 East Corridor Alternatives Analysis
- **FHWA PL:** $1,133,742
- **SLS:** $283,436
- **ALDOT Support:** $1,133,742
- **FEDERAL SLS:** $283,436

7.2 Corridor Planning and Development Support
- **FHWA PL:** $5,000
- **SLS:** $1,250
- **ALDOT Support:** $5,000
- **FEDERAL SLS:** $1,250

## State Planning and Research Funding (SPR)

- **FHWA PL:** $200,000
- **SLS:** $50,000
- **ALDOT Support:** $200,000
- **FEDERAL SLS:** $50,000

## Total

- **FHWA PL:** $1,032,728
- **SLS:** $258,182
- **ALDOT Support:** $2,100,000
- **FEDERAL SLS:** $225,000

**Total Federal SLS:** $800,000

*Note: PL = $832,728 (annual FY 2014 mark) + $200,000 projected carryover from FY 2012 = $1,032,728

*Building Communities = $500,000 projected carryover from FY 2013
The staff of the Regional Planning Commission of Greater Birmingham also serves as staff to the Birmingham Metropolitan Planning Organization.

- **Decision Makers**
- **Voting Committees**
- **Formal Subcommittees**
- **Ad Hoc Advisory Committees**

**Diagram:**
- Birmingham MPO Policy Committee
  - Advisory Committee (sets MPO Policy Committee Agenda)
  - TIP Subcommittee
  - Public Involvement
  - Transportation Citizens’ Committee
    - Nominating Committee
  - Transportation Technical Committee
    - Nominating Committee
  - Congestion Management Committee

---

A-5
1. **Provide more transportation choices.**
Develop safe, reliable, and economical transportation choices to decrease household transportation costs, reduce our nation’s dependence on foreign oil, improve air quality, reduce greenhouse gas emissions, and promote public health.

**Performance Indicator: Mode Share**

### Average Daily Work Trips by Travel Mode

<table>
<thead>
<tr>
<th>Mode</th>
<th>Total Trips</th>
<th>% of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive Alone</td>
<td>368,524</td>
<td>84.2</td>
</tr>
<tr>
<td>Carpool/Vanpool</td>
<td>44,865</td>
<td>10.3</td>
</tr>
<tr>
<td>Transit</td>
<td>3,062</td>
<td>0.7</td>
</tr>
<tr>
<td>Active Transportation</td>
<td>5,112</td>
<td>1.2</td>
</tr>
<tr>
<td>Other</td>
<td>13,397</td>
<td>3.6</td>
</tr>
<tr>
<td>Total</td>
<td>437,530</td>
<td>100</td>
</tr>
</tbody>
</table>

Census: 2009-2011 3-years average for Jefferson, Shelby, St. Clair, and Blount Counties

2. **Promote equitable, affordable housing.**
Expand location- and energy-efficient housing choices for people of all ages, incomes, races, and ethnicities to increase mobility and lower the combined cost of housing and transportation.

**Performance Indicator: Jobs/Housing Balance**

![Legend](image)

**Legend**

- **Area Tracts:**
  - **Jobs/Units:**
    - Housing Rich
    - More Housing
    - Balanced
    - More Jobs
    - Job Rich

![Map Image]
3. Enhance economic competitiveness.
Improve economic competitiveness through reliable and timely access to employment centers, educational opportunities, services and other basic needs by workers, as well as expanded business access to markets.

**Performance Indicator: Travel Time Index**

<table>
<thead>
<tr>
<th>Congested Lane Miles, Daily</th>
<th>AM</th>
<th>% for AM</th>
<th>PM</th>
<th>% for PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interstates</td>
<td>150.6</td>
<td>18</td>
<td>129.5</td>
<td>16</td>
</tr>
<tr>
<td>Arterials</td>
<td>82.5</td>
<td>11</td>
<td>94.7</td>
<td>13</td>
</tr>
</tbody>
</table>

Source: based on Travel Time Index, Regional Planning Commission of Greater Birmingham’s congestion management process 2012 report for Jefferson and Shelby Counties

4. Support existing communities.
Target federal funding toward existing communities—through strategies like transit-oriented, mixed-use development and land recycling—to increase community revitalization and the efficiency of public works investments and safeguard rural landscapes.

**Performance Indicator: Crash/Incident Rates by Travel Mode**

<table>
<thead>
<tr>
<th>Total Crash Rate (per 100,000) (All Modes)</th>
<th>Total Fatal Crash Rate (per 100,000)* (All Modes)</th>
<th>Peds/bike related crash fatality rate (per 100,000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,882</td>
<td>16</td>
<td>6</td>
</tr>
</tbody>
</table>

*total number of fatalities is 161

5. Coordinate and leverage federal policies and investment.
Align federal policies and funding to remove barriers to collaboration, leverage funding, and increase the accountability and effectiveness of all levels of government to plan for future growth, including making smart energy choices such as locally generated renewable energy.

**Performance Indicator: Project Funding Diversity**

<table>
<thead>
<tr>
<th>Total Projects in TIP (Inclusive of All Phases)</th>
<th>137</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project with More than 2 Funding Sources</td>
<td>60</td>
</tr>
<tr>
<td>Percent of Total</td>
<td>43.8%</td>
</tr>
</tbody>
</table>


6. **Value communities and neighborhoods.**
Enhance the unique characteristics of all communities by investing in healthy, safe, and walkable neighborhoods—rural, urban, or suburban.

**Performance Indicator: Partnerships and Public Involvement**
Number of Partnerships and Documented PI Activities

<table>
<thead>
<tr>
<th>Public Involvement Activity Type</th>
<th>Public Involvement Activity</th>
<th>Total Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPO Committee and Policy Board Meetings</td>
<td>Transportation Citizens Committee</td>
<td>20 Meetings</td>
</tr>
<tr>
<td></td>
<td>Transportation Technical Committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Transportation Advisory Committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Transportation Policy Committee</td>
<td></td>
</tr>
<tr>
<td>Capacity Buildings</td>
<td>Technical Training Workshops</td>
<td>2 Workshops</td>
</tr>
<tr>
<td></td>
<td>- Complete Streets</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Bike Safety Workshop</td>
<td></td>
</tr>
<tr>
<td>Public Education</td>
<td>- MPO 101 Training</td>
<td>7 Activities</td>
</tr>
<tr>
<td></td>
<td>- RPCGB Annual Meeting</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Brown Bag Series</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Popup Avondale</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Popup Bessemer</td>
<td></td>
</tr>
<tr>
<td>Project Related Public Meetings</td>
<td>- Homewood Stakeholder meeting/public meetings</td>
<td>28 Meetings</td>
</tr>
<tr>
<td></td>
<td>- Vestavia US 11 stakeholder meeting/public meetings</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- US 11 Southwest Corridor meetings</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- US 11 Southeast Corridor meetings</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Titusville Neighborhood meetings</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Gardendale meetings</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Center Point meetings</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Thomas Neighborhood</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Montevallo ATP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Helena APPLE Meetings</td>
<td></td>
</tr>
<tr>
<td>Webpages and Web Presence</td>
<td>- Think Forwards 2040</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>- MindMixer Online Discussion Forum</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- US 31 Vestavia Hills Video</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- West Homewood FBC Video</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Helena APPLE Webpage/Survey</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Popup Webpage</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Brown Bag Presentations (4 posted to web)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- MPO 101 Presentations (5 presentations)</td>
<td></td>
</tr>
<tr>
<td>General Community Outreach</td>
<td>Alabama Partners for Clean Air (APCA) community events</td>
<td>12</td>
</tr>
<tr>
<td>Total Activities</td>
<td></td>
<td>84</td>
</tr>
</tbody>
</table>