

**Columbia
Area
Transportation
Study
Organization**

FY 2012 Unified Planning Work Program

Approved by the CATSO Coordinating Committee
on August 25, 2011

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Introduction

The purpose of the Unified Planning Work Program (UPWP) is to outline grant-related programs and goals for the upcoming fiscal year. It also provides the basis for requesting Consolidated Planning Grant assistance. The Consolidated Planning Grant (CPG) includes is a combination of Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) funding consolidated into one grant category. The City of Columbia Department of Planning and Development, acting on behalf of the City, serves as the recipient agency for the Columbia Area Transportation Study Organization (CATSO) and conducts planning activities on their behalf. CATSO is an organization designated by the Governor as the certified "Metropolitan Planning Organization" (MPO) for the Columbia Area. The membership of this organization includes all of the public agencies participating in transportation programs for the Columbia area. Specifically, this includes MoDOT, Boone County, and the City of Columbia.

Summary

CATSO/City of Columbia staff will begin working on the update of the 2030 Long-Range Transportation Plan in FY 2012. As has been the case recently, a heavier emphasis on the walking and bicycling modes of transportation will be maintained. As such, included in the work products will be the development of a digital sidewalk inventory in GIS format, a potential update of the Master Sidewalk Plan and the 2030 Pedestrian & Bicycle Network Plan. The federal earmark provided to GetAbout Columbia (Non-Motorized Transportation Pilot Program) has enabled a number of new bicycle and pedestrian facilities to be planned and implemented. Staff will provide assistance to the GetAbout Columbia program as necessary.

Work will continue on the new comprehensive land use plan covering the CATSO Metropolitan Planning Area.

Total federal Consolidated Planning Grant (CPG) funding shown for work activities in the budget summary sheet is \$324,633. Additional federal funds are available to CATSO, but due to limited staff, time, and additional matching funds, not all CPG funds are programmed. It is general policy to reserve a balance for future year needs, particularly for special projects that may require a large dedication of CPG funds. Including the \$324,633 to be programmed, there is a total balance of \$469,960.11 in CPG funding available in FY 2012 for CATSO, not including the FY 2012 allocation. With the inclusion of the anticipated FY 2012 allocation, total funds available will be \$691,040.11. Additional funds are anticipated as CATSO will likely not utilize all of the CPG money programmed for FY 2011. There is currently (after three quarters) \$249,575 in CPG funds yet to be charged for FY 2011. The following narrative outlines each program area and provides information on work activities planned for the coming fiscal year.

Work Elements – Products & Activities

Activity 110 Land Use Planning

Purpose:

The integration of land use and transportation planning is necessary to promote orderly growth and development in the Columbia metropolitan planning area. This category includes the preparation of land use studies for small areas where specialized problems or circumstances exist. Studies and activities directed at implementation of the Land Use Plan fall into this area of the work program.

Objectives/ Activities:

- 1) Preparation of land use and transportation elements of a new comprehensive long range plan to cover the Metro Area. This work is being done with the assistance of a consultant.
- 3) Examine current land uses and potential land use impacts in corridors affected by the extension of sewer mains and roadways in the Major Roadway Plan.
- 4) Begin land use updates for 2030 model TAZ geography for use in 2030 Long-range Transportation Plan 2035 update.

Previous Work Completed

- Updated Metro Area Land Use GIS database for CATSO Metro Area transportation planning applications. This database provides valuable information for MRP amendments, modeling, and non-motorized project selection.
- Prepared a study of “Pipeline” development— anticipated and approved major subdivision plats expected to develop in the next seven years for use in growth projection and patterns.
- Updated the CATSO MRP digital database to be compatible in both TransCAD and ESRI GIS software.

Products for FY 2012

- Updated Metro Area Land Use GIS database. Anticipated completion date-ongoing. Responsibility- CATSO/City of Columbia Staff.
- Public input charrette and policy framework/introductory report for new comprehensive land use plan. Anticipated completion date-by end of fiscal year.

Responsibility–Consultant with CATSO/City of Columbia Staff assistance.

- Land use updates for CATSO Metro area 2030 model TAZ geography for use in the update to the 2030 Long-range Transportation Plan.

The updates of the GIS database utilize databases are provided by the Boone County Assessor's Office and the GIS Consortium. All developed tracts within the Metro Area are coded by existing land use, and vacant tracts by their land use plan designation. Other attribute data, such as developable acreage and TAZ number, is also included.

The initial stages of the preparation of the new comprehensive land use plan will include the hiring of a consultant to conduct an intensive public participation process and design charrette for the creation of the policy framework for the plan document. The public input/charrette is intended to produce a report/introductory chapters for the new plan, establishing the structural and policy outline for the new plan. An initial cost estimate for the entire project is in the \$250,000 range. Staff presumes that approximately 20% of the total will be composed of land use and transportation elements, so \$40,000 in CPG funds have been programmed for this purpose.

Staffing, Funding Sources:

Staffing of the various work activities will come primarily from the City of Columbia Department of Planning and Development, in which CATSO staff is housed. At times, other departments and the Missouri Department of Transportation (MODOT) may provide necessary assistance. Funding will come from the City of Columbia and the Consolidated Planning Grant.

Funding Breakdown:

Total Costs \$88,923 - \$71,138 Federal, \$17,785 Local.

Activity 120
Short-Range Transportation Planning

Purpose:

This program area encompasses a range of activities including the identification, analysis, and solution of transportation problems that either are immediate concerns or will be in the next few years. Attention is given to all types of transportation. Program activities in this category are also devoted to the coordination of transportation programs between the various jurisdictions involved with transportation activities in the Columbia Metropolitan area. Most of this coordination is accomplished through the Columbia Area Transportation Study Organization. Additional funding is shown in this activity to more accurately reflect the allocation of staff hours.

Objectives/Activities:

- 1) Prepare specific studies in relation to transportation issues, as requested, e.g. review of a Major Roadway Plan planned extension in relation to a development request. There is no definite number of studies expected, it is possible that none may be required. This item is included to indicate that such an analysis would be done on an as-needed basis.
- 2) Address planning problems relating to providing sidewalk accessibility for the public, and specifically for transit users and elementary/secondary school students.
- 3) Continue to provide the Columbia Transit with general staff support related to the Transportation Improvement Program, Triennial Review, and any other relevant planning issues.
- 4) Coordinate transportation improvements within the Metropolitan Area between Boone County, the City of Columbia, and MODOT to prevent possible conflicts and duplication of services.
- 5) Prepare the updated 4-year FY 2013-2016 CATSO Transportation Improvement Program (TIP).
- 6) Maintain traffic count information for the Metro Area and a traffic count map

for distribution to other agencies and the public.

- 7) Work to maintain and share traffic and transportation related data with stakeholder agencies and support compatible data formats.
- 8) Participate in the MoDOT Planning Framework and related processes to identify statewide and regional investment priorities.

Previous Work Completed:

- Preparation/ Approval of the FY 2012-2015 Transportation Improvement Program (TIP)
- Preparation/approval of amendments to FY 2011-2014 TIP
- Assistance to the City of Columbia GetAbout (Non-Motorized) program staff.

Products for FY 2012:

- An updated FY 2013-2016 Transportation Improvement Program (TIP). Anticipated completion date – August 2012. Responsibility– CATSO/City of Columbia Staff.
- Development of the Annual Listing of Obligated Projects as a separate document from the TIP. Anticipated completion date – First Quarter 2012. Responsibility – CATSO/City of Columbia Staff.
- Coordinating Committee approved modifications to the FY 2012-2015 TIP. Anticipated completion date – as needed. Responsibility– CATSO/City of Columbia Staff.
- Updates to 2030 Long-Range Transportation Plan, including the CATSO 2030 Pedestrian & Bicycle Network Master Plan. Anticipated completion date- ongoing with an expected completion date in FY 2013. The CATSO 2030 Pedestrian and Bicycle Network Master Plan will utilize the new sidewalk digital inventory, a work product in FY2012. Responsibility– CATSO/City of Columbia Staff.
- Preparation of the digital sidewalk inventory for the Metro Area and updates as needed. Anticipated completion date – ongoing. Responsibility- CATSO/City of Columbia Staff.
- Begin work on the Sidewalk Master Plan, utilizing the sections of the digital inventory available. Anticipated completion date- ongoing. Responsibility- CATSO/City of Columbia Staff.
- Coordinating Committee approval of the Title VI Policy Plan and implementation and updates. Anticipated completion date – Plan approval August 2011, implementation – ongoing. Responsibility- CATSO/City of Columbia Staff.
- Updated Public Participation Plan to reflect Title VI Plan. Anticipated Completion date - February 2012. Responsibility- CATSO/City of Columbia Staff.

Staffing, Funding Sources and Agencies:

Most of the work in this area will be done by the CATSO staff in the Department of Planning and Development, with assistance from City of Columbia Public Works and GetAbout Columbia staff. Some staff assistance will be requested from MODOT. Funding will come from the City of Columbia and the Consolidated Planning Grant.

Funding Breakdown:

Total Costs \$64,455 - \$51,564 Federal, \$12,891 Local.

Activity 130
Long-Range Transportation Planning

Purpose:

This activity is directed toward maintaining the Columbia Area Major Roadway Plan and other elements of the Long-Range Transportation Plan and conducting an effective program for Long-Range transportation planning. In FY 2012, the principal focus of staff will be on the initial stages of the 2035 update of the CATSO 2030 Long-Range Transportation Plan.

Objectives/Activities:

- 1) Provide staff support to the Columbia Area Transportation Study Organization (CATSO) Coordinating and Technical Committees, including agenda preparation, public notices, meeting minutes, and staff reports for agenda items. More specifically, this includes the provision of staff reports on proposed road, sidewalk/pedway and bicycle route reconstruction and new construction projects, and other transportation related issues.
- 2) Provide travel demand modeling support for transportation projects in the Metro Area as requested.
- 3) Conduct work activities to update the current CATSO 2030 Long-Range Transportation Plan prior to the adoption of the CATSO 2035 Plan. This will include:
 - a. Providing staff reports and other input on proposed road, sidewalk/pedway and bicycle route reconstruction and new construction projects, and other transportation related issues.
 - b. CATSO funds were previously utilized by the preparation of a Natural Resources Inventory (NRI), which includes inventory delineated by Traffic Analysis Zones. NRI data will be used by staff to identify sensitive lands such as wetlands, steep slopes, and hardwood forests in order to assess environmental impacts and the potential cost implications of specific Major Roadway Plan new roadway corridors and related bridge structures. Planned extensions of the CATSO Pedestrian & Bicycle Network Plan will also be evaluated using the NRI.
- 4) Prepare for the initial stages of the 2035 update to the CATSO 2030 Long-

Range Transportation Plan by conducting research on population projections, existing conditions and by updating the data used in the CATSO transportation model.

- 5) Prepare Amendments to the Major Roadway Plan, and the CATSO Pedestrian and Bicycle Network Plan as necessary and take to CATSO Coordinating Committee for public hearing as directed. This will include production of maps, staff reports, PowerPoint presentations, and related work to publicize the public hearings/meetings.

Previous Work Completed:

- Preparation of amendments to the CATSO Major Roadway Plan and the City of Columbia Major Roadway Plan and production of the revised/updated plans.
- Staffing and preparation of reports and related materials for CATSO Technical and Coordinating Committee meetings.

Products for FY 2012:

Emphasis for FY-2012 will be on initial work on the update of the CATSO 2030 Long-Range Transportation Plan, to be called the CATSO 2035 Long-Range Transportation Plan, including the Major Roadway Plan and the Pedestrian and Bicycle Network plan.

- An updated CATSO Major Roadway Plan (MRP) if needed. Anticipated completion date- ongoing. Numerous additional amendments have been proposed and are awaiting further study. CATSO staff will bring more amendments forward at the direction of the Coordinating Committee. Responsibility-CATSO/City of Columbia Staff.

The CATSO MRP is the major instrument for controlling and accommodating both motorized and non-motorized traffic in the Columbia Metro Area. A specific concern is the development of an adequate collector and arterial street network in areas that can be served by centralized sewer.

Staffing, Funding Sources and Agencies:

Primary staffing responsibilities will be with CATSO/City of Columbia staff, although some MODOT assistance will be required. Funding will come from the City of Columbia and the Consolidated Planning Grant.

Funding Breakdown:

Total Costs \$73,145 - \$58,516 Federal, \$14,629 Local.

Activity 140 Transit Planning

Purpose:

Work in this program area is primarily devoted to the review and implementation of transit operational strategies for the Columbia Transit bus system. Fiscal and status reporting of grant projects are also included.

Sub-Activity 44.2682 -- System Management and Operation.

Columbia Transit continues to work with the City Council and their Public Transportation Advisory Commission (Commission) to assess the need for additional service and the potential expenses involved with system coverage of the community and/or service hour expansion(s). The Commission was created by the City Council in FY 2010 and has recently completed its first year of service. As requested by the Commission, staff has quantified potential routing and operational changes. Staff works to keep the Commission, the Council and the Manager's office informed of opportunities and their costs. These suggestions have been prioritized and overlaid onto a time line for basic planning purposes, thus creating a Master Plan.

Columbia Transit has prepared and presented Council with a system shelter and bench master plan. Matching funds have been set aside for the implementation of these amenities, when the grant funding becomes available.

Sub-Activity 44.2684 -- Financial Planning.

The planning, data collection, analysis, and preparation of the annual financial and budget reports will be completed in this category. CT staff prepares a detailed monthly data analysis and summary for both internal and external review. At the request of the Council or Commission, staff will prepare the financial planning of several potential expansion scenarios and report back on an ongoing basis. Each of these individual assessments could be incorporated into the Master Plan.

Given the current fiscal constraints, staff continues to assess and report to Council revenues and ridership and their relation to the recent fare increase. This financial planning is ongoing.

Activity 44.27.00 -- Other Activities.

Paratransit: The planning, development, and improvement of transportation services to the disabled continues. Paratransit services, complementing the fixed routes, have been provided since the early 1990s. This system is heavily utilized, and planning effort is

expended to maximize service with limited personnel and equipment. As the City continues annexations, the Service Area grows. Columbia Transit has replaced its Paratransit scheduling suite. This has meant totally reorganizing the routes and the manner of scheduling clients. Staff will maintain an on-going assessment of the Paratransit routes and scheduling, making adjustments as necessary. In FY 2008 Columbia Transit incorporated the Public Transportation and Human Services Transportation Coordination Plan. Staff plans for the provision of transportation for individuals under the Non-Emergency Medical Transportation (NEMT) and Medicaid Waiver programs. NEMT service has grown steadily since implementation but requires constant planning as it continues to tax equipment and staff. Staff will map continued growth in the NEMT and Medicaid Waiver programs.

DBE: The City of Columbia has established an individual disadvantaged business enterprise (DBE) program. While the City has established a separate program, it will continue to maintain ties and utilize the State of Missouri's Unified Certification Program. Work is ongoing to continue to assess where additional participation opportunities exist.

Safety/Drug Control Planning: Staff will continue the drug awareness program for transit system employees, along with the implemented drug testing and reporting program. CT experiences a very high driver turnover rate. Continued reporting, training, and analysis will be completed. Safety/Security programming will continue to be a major emphasis in 2012, both for passengers onboard and for those waiting to board the system at en route passenger amenities. Two bus shelters have been lit with solar powered units, with great success, and additional units are being sought. Capital grant funding was not received by CT in FY 2011 for this expansion, but will be sought again in FY 2012.

Implementation of ADA: Staff will continue tasks necessary to ensure transit services remain compliant with the Americans with Disabilities Act (ADA), and will continue working with the City's ADA Advisory Committee. CT will work to ensure accessibility of all passenger waiting sites, and will seek funding to install additional accessible amenities. Staff will assess sites, research property ownership and acquire right-of-use agreements, as necessary.

Public Transportation and Human Services Transportation Coordination Planning: Staff will complete an update to the existing Columbia Area Transportation Study Organization (CATSO) *Public Transportation and Human Services Transportation Coordination Plan*.

Transit Planning and Review: Review of transit operations plus fiscal and operational reporting will occur. The purpose of this is to collect information pertinent to making transit system decisions.

Objectives/Activities:

- 1) Maintain records of transit system operations.
- 2) Develop and use criteria to measure service efficiency.
- 3) Utilize management techniques that are responsive to changing conditions and needs.
- 4) Monitor system operations so that problems can be identified and alleviated in an expedient manner.
- 5) Continue planning to evaluate and implement Paratransit service delivery to the growing disabled population within the ADA service area for the Columbia Transit.
- 6) Continue to solicit a high level of citizen input into development and maintenance of transit operations.

Previous Work Completed:

- Major revisions to CT routes/service, including the expansion of service geographically.
- Preparations and completion of Triennial Review during FY 2011
- Preparation of capital and operating grant applications for service improvements.

Products for FY 2012:

- Updated data on transit operations. Anticipated completion date-ongoing. Responsibility- City of Columbia Staff.
- Adopted and updated Public Transportation-Human Services Coordination Plan

Some of the products for the year will be those involved with the ongoing review and data collection associated with the day-to-day management of the transit system. CT is seeking to upgrade their automatic fare box motherboard and operating systems. A continued and concentrated staff effort is anticipated to further develop the system marketing plan. Staff is working with the Health Department to market the promotion of walking, biking, and public transportation to promote a healthy lifestyle. As staff makes personal contact with businesses along routes, a database of contacts, number of employees, potential partnerships, etc. are being established so that continued contact can be maintained with these employers. The primary marketing focus in the first quarter of FY 2012 will be directed at incoming University of Missouri students.

Staffing, Funding Sources and Agencies:

Staff support will come primarily from City of Columbia Public Works, although some assistance will be needed from CATSO staff, along with City of Columbia Planning and Development, Finance, Human Resources, Health, and Legal Departments. Capital and operating funding is sought by CT from the Federal Transit Administration for FY 2012.

Funding Breakdown:

Total Costs \$38,250 – \$30,600 Federal, \$7,650 Local.

Activity 220
Federal Consolidated Planning Grant Management

Purpose:

This work activity is CATSO's administration/management of Consolidated Planning Grant (CPG) funds provided under 23 U.S.C. 104(f) to CATSO for metropolitan transportation planning.

Objectives/Activities:

- 1) Maintain proper records and prepare quarterly progress reports and grant billings, DBE semi-annual reports, and FY 2011 completion report.
- 2) Actively administer grant activities by reviewing time sheets and financial reports and ensure that project completion proceeds in accordance with the work program.
- 4) Cooperate with representatives of MoDOT and OneDOT (Federal Transit Administration and Federal Highway Administration) to ensure good working relations during the grant administration.
- 5) Develop the work program and budget for the FY 2013 Unified Planning Work Program (UPWP).
- 6) Implement and make any needed revisions to the Title VI Policy Plan, including research and preparation of the necessary data. Do related work to ensure compliance with ADA requirements.

Previous Work Completed:

- FY 2012 UPWP approved by Coordinating Committee
- Quarterly reports for FY 2011
- DBE semi-annual reports in October, 2011 and April, 2012
- FY 2010 Completion Report
- CATSO Title VI Policy Plan approved during FY 2011

Products for FY 2012:

- FY 2013 UPWP approved by the CATSO Coordinating Committee. Anticipated completion date–August 2012. Responsibility– CATSO/City of Columbia Staff.
- Quarterly Reports. Anticipated completion date(s)–January, April, July, and

October, 2012. Responsibility- CATSO/City of Columbia Staff.

- DBE semi-annual reports. Anticipated completion date(s)-April, and October, 2012. Responsibility- CATSO/City of Columbia Staff.
- FY 2011 Completion Report. Anticipated completion date- November 2011. Responsibility- CATSO/City of Columbia Staff.
- Continuous development and implementation of the Title VI Plan. Anticipated completion date-Ongoing. Responsibility-CATSO/City of Columbia Staff.

Also to be expected would be Civil Rights compliance certification, the administration of Title VI activities, Disadvantaged Business Enterprise certification, and active surveillance of grant activities. The staff will also assist FTA representatives in their evaluation of local MPO performance toward DBE objectives. Participation in audit and program review will also be a work product.

Staffing, Funding Sources, and Agencies:

Staffing will be with the CATSO staff, with assistance from City of Columbia Planning and Development, Public Works, and Finance Departments. Funding will come from the City of Columbia and the Consolidated Planning Grant.

Funding Breakdown:

Total Costs \$29,361 - \$23,489 Federal, \$5,872 Local.

Activity 240 Information Systems

Purpose:

Work in this activity area is devoted to the production, collection, storage, and analysis of information for departmental and public use. This information is utilized as a support mechanism for many of the tasks performed by the Department. Another goal in this activity area is to provide this information to the public and other agencies upon request.

Objective/Activities:

- 1) Maintain up to date information in the areas of population, employment, socioeconomic, housing, transportation, and other related data, including an updated GIS street map and related databases, and develop related analysis and projection techniques
- 2) Produce maps and other graphics for associated work products.
- 3) Utilize new applications allowing for more efficient storage, retrieval and analysis of this information, including new computer software, hardware and activities.
- 4) Actively develop new information sources and analysis techniques.
- 5) Maintain and develop new graphics and database capabilities to support the activities outlined above.
- 6) Be responsive to assist the needs of the public and other agencies with other information needs.
- 7) Continue to refine and expand the CATSO homepage on the City's website including ADA and Section 502-related improvements.
- 8) Staff may attend professional training sessions on transportation planning subjects relevant to the Columbia MPO area and operations. Professional development conferences offered by the Association of Pedestrian & Bicycle Professionals (APBP), other pedestrian & bicycle related seminars and conferences, and GIS software training courses are possibilities for this category. Costs for such activities will be taken from funds available in the non-salary and benefits portion of the UPWP budget.

Previous Work Completed:

- Natural Resources Database, including new digital photography & vegetation map
- New illustrative maps of the CATSO Major Roadway Plan

Products for FY 2012:

- New maps (e.g. updated Major Roadway Plan and Pedestrian and Bicycle Network Plan) and other necessary graphic additions for UPWP work products and activities. Anticipated completion date(s)-Ongoing. Responsibility- CATSO/City of Columbia Staff.
- Creation of new GIS applications utilizing previously acquired digital photography & Natural Resources Database for GIS applications. Anticipated completion date(s)-Ongoing. Responsibility- CATSO/City of Columbia Staff.
- Development of sidewalk inventory/polygon and line databases in GIS format for Metro Area. Anticipated completion date- End of FY 2012. Responsibility- City of Columbia Staff in cooperation with CATSO.

This work activity includes the production of maps and other types of graphics, and general data support activities for projects outlined elsewhere in the UPWP. Planning and assistance related to the 2010 Census Bureau materials also occur in this program area.

The department will continue the use of existing GIS software for tracking development and for transportation modeling and the imaging software for use with panchromatic and multi-spectral satellite imagery from a variety of sources. During FY 2012, staff will continue the utilization of the natural resources inventory database. The digital databases will allow for more detailed analysis of Metro Area landscapes in locating potential transportation corridors. Graphics assistance to support CATSO and related transportation projects will be provided.

Sidewalk Mapping Project

This project will be undertaken by the City Public Works Department (PW) to prepare a GIS inventory and map of all existing public sidewalks in the Metro Area. When completed, the sidewalk map will be integrated into GIS transportation networks for roadways, transit routes, trails, and railroads. Sidewalks are the only transportation infrastructure not currently mapped in a digital format.

Applications for GIS sidewalk data include basic mapping of pedestrian facilities (sidewalk/trails) in the Metro Area, the analysis of available sidewalk coverage for the Columbia Transit (CT) fixed transit routes, CT Americans with Disabilities Act (ADA) service area, and bus stops. Integrated into existing GIS resources, the sidewalk data will support MPO and local planning efforts to identify future pedestrian infrastructure

needs, inform connectivity to pedestrian generators such as parks, trails, public schools, and the University of Missouri, and support ADA transition planning and compliance.

Resources and Methodology

The initial sidewalk mapping will be done using GIS land cover data and digital aerial photography to capture the sidewalk locations. This project leverages existing GIS and imagery datasets owned by the City or Boone County or which the City has access to by license or statute to create a new sidewalks GIS dataset. Land cover data from the Natural Resources Inventory (NRI) project will be used as the basis to extract the impervious surface area associated with sidewalks to create a sidewalk polygon layer. The Boone County parcel layer will be used to create sidewalk polygons by parcel. Sidewalk polygons will be attributed by width, type, surface type, and obstructions through GIS analysis and on-the-ground observations. The parcel-based sidewalk polygon layer will be used to produce an additional, stand-alone sidewalk line layer.

Products Developed

Products will be two GIS datasets which map sidewalk locations and provide attribute information about sidewalk width, construction, and condition. All data produced will go through a quality assurance/quality control (QA/QC) process and include Federal Geographic Data Committee (FGDC) compliant metadata.

The produced data will include:

- Polygon GIS dataset of sidewalk areas in the CATSO metro area
- Line GIS dataset of sidewalk centerlines in the CATSO metro area

Polygon and line GIS dataset will include such attributes as:

- Parcel address
- Width of sidewalk
- Sidewalk segment type (sidewalk/driveway/curb ramp)
- Slope of sidewalk segment
- Presence and type of sidewalk obstructions
- Sidewalk surface type (Concrete / Brick / Asphalt / Unknown)
- Method(s) used for data collection and verification including feature extraction from remotely-sensed imagery, digitized or edited from aerial imagery, field data collection verification by field inspection

Sampled field verified sections of the dataset will include eight additional attributes, including cross slope, surface quality, measurable obstructions, and others. Upon completion, the sidewalk datasets can be used to record and map other sidewalk-related information, as needed.

Staffing for this project will be provided by the City Public Works Department GIS staff, in cooperation with CATSO staff. No consultants will be employed for assistance in the project.

Planned capital expenditures of PL funds for FY-2012 include the maintenance costs for existing software; such as the travel demand modeling software. Total expenditures for hardware and software for FY-2012 will be taken from the non-salary and benefits budget of \$9,000.

The staff will continue working on potential applications for the departmental geographic information system (GIS) in conjunction with other agencies. Staff will explore the possibility of additional GIS software training, and attend such training sessions as needed.

Staffing, Funding Sources and Agencies:

The Planning and Development Department will provide primary staff assistance, with secondary involvement by the Department of Public Works. Funding will come from the City of Columbia and the Consolidated Planning Grant.

Funding Breakdown:

Total Costs \$111,658 – \$89,326 Federal, \$22,332 Local. Included in the federal total is \$7,200 of non-salary and benefit expenditures such as computer software and related services, e.g. training and licenses, transcription services, and travel and meeting expenses.

Public Participation

The FY 2012 UPWP was formally adopted at the August 25, 2011 CATSO Coordinating Committee meeting. A display advertisement notifying the public of this meeting was placed in the local newspaper. In addition, the Public Hearing Draft of the FY 2012 UPWP, meeting agenda and public notice was placed on the City's website. The ad gave emphasis to the public hearing aspect of the meeting, including the consideration of the draft FY 2012 UPWP.

Public notification on the availability of the public hearing draft of the FY 2012 UPWP was also made through a posting on the Planning Department's listserv. The draft document was also e-mailed to all members of the CATSO Technical and Coordinating Committees.

The CATSO Public Participation Plan, adopted by the CATSO Coordinating Committee on December 4, 2008, may be found at the following link at the City of Columbia website:

<http://www.gocolumbiamo.com/Planning/Commissions/CATSO/documents/FinalCATSOPPPwith12-9rev.pdf>

Budget Summary**FY 2012 Unified Planning Work Program - Columbia, MO MPO (CATSO)****Approved by the CATSO Coordinating Committee on August 25, 2011****Consolidated Planning Grant (CPG) Funds**

Activity	Federal	Local	Federal CPG Funds	Local Match	Total
110 LAND USE PLANNING	80%	20%	\$71,138	\$17,785	\$88,923
120 SHORT RANGE TRANSPORTATION PL Transportation Improvement Program	80%	20%	\$51,564	\$12,891	\$64,455
130 LONG RANGE TRANSPORTATION PL	80%	20%	\$58,516	\$14,629	\$73,145
140 TRANSIT PLANNING System Management & Operation Financial Planning Other Activities	80%	20%	\$30,600	\$7,650	\$38,250
220 CPG GRANT MANAGEMENT	80%	20%	\$23,489	\$5,872	\$29,361
240 INFORMATION SYSTEMS	80%	20%	\$89,326	\$22,332	\$111,658
TOTALS			\$324,633	\$81,158	\$405,791

* Of the federal CPG funds listed, non-salary expenditures anticipated are as follows:

- 1) In Activity #110, \$40,000 is programmed for hiring of a consultant to assist in the preparation of a new comprehensive plan
- 2) In Activity #240, \$7,200 is programmed for software & related services, transcription services, and travel/meeting expenses

Notes

1. CATSO Staff includes two and one-half full-time and two part-time employees. See the UPWP Appendix for details.
2. CPG funds consist of FHWA PL and FTA Section 5303 planning funds
3. A total of \$346,791 is programmed for CATSO & related staff salaries.

CPG Funding Summary

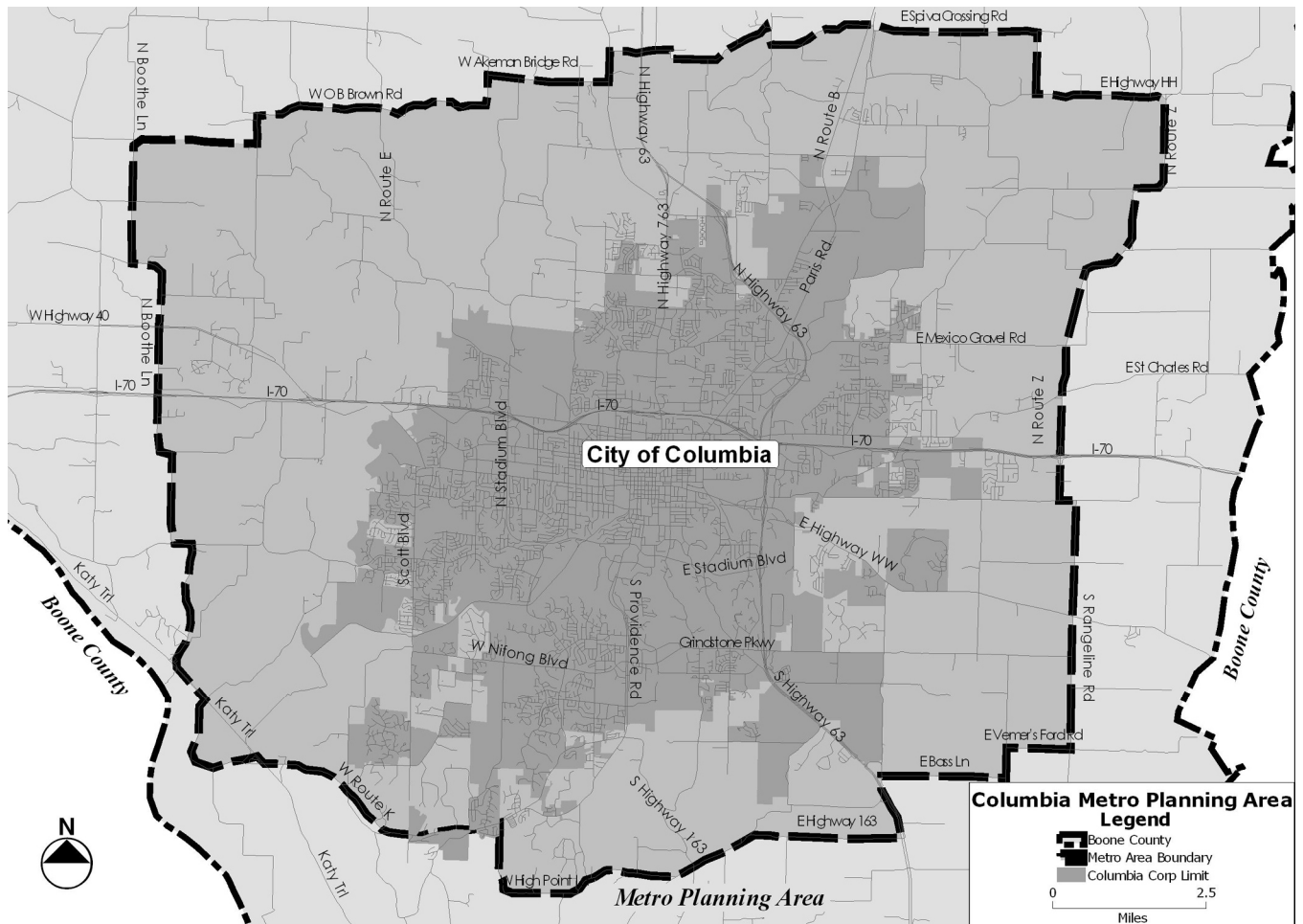
Unspent CPG balance (FY 2010 and prior years)	\$543,425.14
FY 2011 CPG allocation	\$243,836.35
FY 2011 CPG funds spent (as of August, 2011)	\$109,424.73
Unexpended CPG balance	\$677,836.76

It is projected that additional funds will be added to the unprogrammed CPG balance due to FY 2011 budget savings.

Appendices

Appendix A

Map of MPO Planning Area Boundary



Appendix B

List of Acronyms Used in this Document

ADA	Americans with Disabilities Act
APBP	Association of Pedestrian & Bicycle Professionals
CATSO	Columbia Area Transportation Study Organization
CPG	Consolidated Planning Grant
CT	Columbia Transit
DBE	Disadvantaged Business Enterprise
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FY	Fiscal Year
GIS	Geographic Information System
LRTP	Long-Range Transportation Plan
MoDOT	Missouri Department of Transportation
MPO	Metropolitan Planning Organization
MRP	Major Roadway Plan
NRI	Natural Resources Inventory
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (2005)

STIP	Statewide Transportation Improvement Program
TAZ	Traffic Analysis Zone
TIP	Transportation Improvement Program
UPWP	Unified Planning Work Program

Appendix C

CATSO Staff

Full-Time Staff:

Mitch Skov, Senior Planner

Rachel Bacon, Planner

John Fleck, GIS Support Coordinator (1/2 time position)

Part-Time Staff:

Timothy Teddy, Director

Denise Clark, Administrative Secretary

Vacant, Planning Aide

Note 1: With the exception of the GIS Support Coordinator (Department of Public Works GIS Division), all staff are City of Columbia Department of Planning & Development employees

Note 2: Part-time staff have 20% of their actual hours worked charged to CATSO work activity accounts

Appendix D

CATSO Organizational Chart

Columbia Metropolitan Planning Area
Columbia, Missouri

