

2014-2015 UNIFIED PLANNING WORK PROGRAM

FOR TRANSPORTATION PLANNING

in the

SYRACUSE METROPOLITAN PLANNING AREA

Adopted by the Policy Committee of the Syracuse Metropolitan Transportation Council

February 12, 2014

This document has been ADOPTED by the Syracuse Metropolitan Transportation Council (SMTC). The SMTC Member Agencies agree to the contents and will adhere to said document as necessary and to the best of their ability.

This document was prepared with financial assistance from the Federal Highway Administration and the Federal Transit Administration of the U.S. Department of Transportation through the New York State Department of Transportation. The SMTC is solely responsible for its content.

SYRACUSE METROPOLITAN TRANSPORTATION COUNCIL 2014-2015 UNIFIED PLANNING WORK PROGRAM

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RESOLUTION

SYRACUSE METROPOLITAN TRANSPORTATION COUNCIL POLICY COMMITTEE

February 12, 2014

- WHEREAS, In order to promote a coordinated, continuous and comprehensive transportation planning process in the Syracuse Metropolitan Area, which is comprised of Onondaga County and portions of Madison and Oswego counties, it has been found necessary to develop an annual Unified Planning Work Program (UPWP); and
- WHEREAS, the Moving Ahead for Progress in the 21st Century (MAP-21) transportation authorization has committed funds for metropolitan transportation planning activities; and
- WHEREAS, the SMTC Planning Committee has worked with the assistance of the Central Staff to develop a recommended UPWP so that the latest draft submitted herewith represents an accurate description of work to be undertaken and funds to be made available; and
- WHEREAS, in recognition of the need to promote energy conservation and overall efficiency of the existing transportation system, the UPWP pursues work on several projects including (1) the Long-Range Transportation Plan, and (2) the Transportation Improvement Program; and
- WHEREAS, the Policy Committee is committed to assuring equal opportunity to all persons in the planning of transportation services and facilities; and
- WHEREAS, in order to support these and other elements of the 2014-2015 UPWP, the Policy Committee continues its designation of the NYSDOT to be the grant applicant on behalf of the SMTC. The NYSDOT will apply for necessary regular program funding under the Federal Transit Administration (FTA) Section 5303 program, under the Federal Highway Administration (FHWA) "PL" transportation planning program and "SPR" program in amounts consistent with this approved UPWP.

NOW THEREFORE BE IT RESOLVED, that the Policy Committee adopts the 2014-2015 Unified Planning Work Program and the submission thereof to the appropriate Federal and State agencies and directs the filing of appropriate applications to support the program; and

BE IT FURTHER RESOLVED, that the Policy Committee authorizes the Planning Committee or the Executive Committee as appropriate, to make revisions and refinements in funding or responsibility to the UPWP as found necessary both to finalize and implement the UPWP consistent with its overall scale and program emphasis.

Done and ordered this 12th day of February 2014 by consensus of the SMTC Policy Committee.

Hon. Kathleen Rapp

Chairperson

SMTC Policy Committee

New York State Department of Transportation

Secretary

SMTC Policy Committee

Date: February 12, 2014 Date: February 12, 2014

SYRACUSE METROPOLITAN TRANSPORTATION COUNCIL

2014-2015 UNIFIED PLANNING WORK PROGRAM (UPWP) - PURPOSE

The Unified Planning Work Program (UPWP) incorporates in one document all transportation planning and directly supporting comprehensive planning activities in the Syracuse Metropolitan Area during State fiscal years 2014-2015 (April 1, 2014 - March 31, 2015). It is intended to provide a mechanism for the coordination of planning efforts by local, State, and regional agencies through the Syracuse Metropolitan Transportation Council (SMTC).

The U.S. Department of Transportation (USDOT) and its modal administrations [i.e., the Federal Aviation Administration (FAA), the Federal Highway Administration (FHWA), the Federal Railroad Administration (FRA), and the Federal Transit Administration (FTA)] require this Unified Planning Work Program as a basis and condition for all funding assistance for transportation planning to State, local and regional agencies. The authority for this requirement is found in three separate Federal legislative acts establishing transportation planning programs:

- 1. Title 23, U.S. Code Section 134 (Federal Aid Highway Act of 1962, as amended)
- 2. Title 49, U.S. Code Section 1603 et. al.: (Urban Mass Transportation Act of 1964, as amended)
- 3. Title 49, U.S. Code Section 1701 (Airport and Airways Development Act of 1970, as amended).

DEVELOPMENT OF THE UNIFIED PLANNING WORK PROGRAM

As the Metropolitan Planning Organization (MPO) designated by the Governor of the State of New York, the SMTC has the responsibility to carry out the continuous, comprehensive and cooperative transportation planning process for the Syracuse Metropolitan Area. The Unified Planning Work Program identifies the transportation planning activities which are to be undertaken in the SMTC study area in support of the goals, objectives and actions established in the Long Range Transportation Plan (LRTP), which was originally adopted in January 1995 and updated in 1998, 2001, 2004, 2007, and 2011. The SMTC Central Staff, working with the Planning Committee and the New York State Department of Transportation (NYSDOT), initiates the process of developing the UPWP and prepares a final draft for both Planning and Policy Committee consideration. The intent in developing a comprehensive Work Program is to ensure that a coordinated transportation planning process occurs in the region, which will make positive contributions toward achievement of the established Long Range Transportation Plan goals regarding mobility, facilities, safety, the environment, economy and land use.

The SMTC's Operations Plan outlines a framework for the UPWP that the Central Staff is expected to accomplish, and provides guidance with respect to a financial plan to support the Work Program. This 2014-2015 Work Program is intended to be consistent with the Operations Plan, as well as the metropolitan planning requirements of the Federal Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) and Moving Ahead for Progress in the 21st Century (MAP-21) and its implementing regulations. Compliance with these regulations frames much of this program. Further, the Work Program strives to address NYSDOT planning emphasis areas which are intended to implement the State's policies for urban area transportation planning. This is to ensure that projects conceived by the SMTC fulfill Federal and State policies, and local issues progress in a timely manner.

The status of the current Work Program is reviewed monthly by the SMTC's Executive Committee to ensure that it is being carried out in a manner consistent with the MPO's goals. While it is the mission of the Central Staff and the Executive Committee to complete work efforts within a program year, task elements may be designed to span multiple fiscal years and therefore are carried into subsequent Work Programs to effect closure. Each year an estimate of transportation planning funds available for new programs is made. Policy direction and scope of the UPWP are developed with member agency participation based on their needs, consistent with the LRTP.

The staff, working with member agencies, establishes a list of candidate projects for inclusion in the next year's work program. Estimates of amounts and sources of funding needed to accomplish the planning program are developed. The Planning Committee then prioritizes the continuing program and the new projects. A draft UPWP is developed for Planning Committee review and recommendation of adoption to the Policy Committee. The Policy Committee has the final responsibility to adopt the UPWP.

COUNCIL ORGANIZATION

The Syracuse Metropolitan Transportation Council is organized to facilitate and encourage maximum interaction between local, State and Federal agencies involved in the transportation decision-making process. To accomplish this, a committee structure was adopted to include the following Committees:

Policy Committee

The Policy Committee consists of the elected and appointed officials representing local, State and Federal governments and other organizations/agencies having an interest or responsibility in comprehensive transportation planning in the Syracuse Metropolitan Area. The primary responsibility of the Policy Committee is to establish policies for the overall conduct of the SMTC.

Planning Committee

The Planning Committee, which is established by the Policy Committee, is composed of the professional/technical representatives of both the Policy Committee members and public agencies having direct or indirect responsibility for transportation planning and/or implementation. Their primary responsibility is to monitor all technical activities including the annual development of a draft UPWP and Transportation Improvement Program (TIP) for recommendation to the Policy Committee. They also direct and consider for recommendation to the Policy Committee all major studies and planning activities.

Executive Committee

The Executive Committee is made up of Planning Committee members and provides oversight of the day-to-day operation of the Central Staff for financial management, personnel and other administrative requirements.

Additional Committees

An important element in the operation of the Planning Committee is the effective utilization of both formal and ad-hoc advisory committees to review and evaluate detailed Council issues and results of planning activities. The committees function principally to make recommendations to the Planning Committee on subjects directed to them by the Planning Committee which require extensive evaluation and which would be inefficient to resolve by the full committee itself.

The SMTC typically develops a project specific Study Advisory Committee (SAC) for each of its planning activities.

The SMTC also has a permanent Capital Projects Committee. The Capital Projects Committee is responsible for making recommendations to the full Planning Committee regarding project priorities to be funded by various Federal Aid Transportation Programs and included in the TIP.

Non-Voting Membership

The SMTC maintains a non-voting membership category to accommodate agencies that have programs indirectly related to transportation and/or transportation planning. With the exception of voting on official Council business, these members are eligible to participate in Committee discussions and to receive all SMTC correspondence.

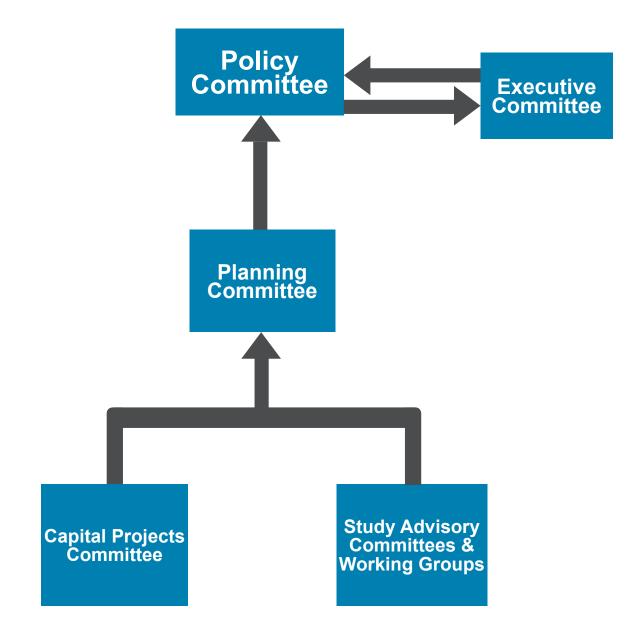
Organizational Objectives

In order to achieve the SMTC program goals and the detailed technical activities inherent in them, the SMTC organization has the following objectives:

- 1. Develop an administrative committee structure which will express and coordinate transportation planning and development values, policies, and goals as related to transportation requirements at all governmental levels;
- 2. Provide guidance to public and private decision-makers involved in immediate implementation and long-range activities;
- 3. Provide technical study programs and fulfill organizational responsibilities necessary to continue transportation plan development, study refinement, and research;
- 4. Provide for community review of the Long Range Transportation Plan and its sub-elements, resolve conflicts with community values, and obtain participation in updating and reevaluating the plan;
- 5. Monitor and evaluate changes in the metropolitan structure and identify growth problems, and update the plan as necessary; and
- 6. Promote the coordination of planning activities to implement the "continuing, comprehensive, cooperative planning" concept.

SMTC COMMITTEE STRUCTURE

Committee Structure



SMTC Staff carries out the work program under the direction of the Policy Committee.

SMTC STAFFING

The work proposed under this UPWP will be accomplished primarily by the SMTC Central Staff, with the assistance and cooperative support of the participating SMTC agencies (e.g., Central New York Regional Planning and Development Board (CNY RPDB), Central New York Regional Transportation Authority (CNYRTA), City of Syracuse, NYSDOT, Onondaga County, Syracuse-Onondaga County Planning Agency (SOCPA), etc.) as well as the use of private consultants, where appropriate.

SMTC Central Staff

A permanent, multi-disciplinary professional staff has been assembled to carry out the major portion of the SMTC continuing transportation planning program. This staff, consisting of a Director, professional, technical and support personnel, will pursue specific SMTC work program task elements under the direction of the Executive Committee.

Onondaga County acts as the Host agency for the Central Staff operation and contracts with the CNY RPDB to administer the program. As part of the host's responsibility, an annual audit of the SMTC financial records is completed, as required by Federal regulations. The CNY RPDB also contributes technical support to the SMTC as needed.

Member Agencies

On occasion, and as recommended by the Central Staff Director, as identified in the UPWP, member agency staff may coordinate work activities with the SMTC Central staff.

OPERATIONAL PROCEDURES AND BYLAWS

The SMTC operates under an adopted set of bylaws. Administrative and operational procedures are included in the SMTC Operations Plan and in the operational policies of the CNY RPDB.

Official records of SMTC business are maintained in the SMTC Administrative Offices located at 100 Clinton Square, 126 North Salina Street, Suite 100, Syracuse NY 13202. All of the SMTC records are available for public inspection during normal business hours.

TITLE VI POLICY

The SMTC is committed to ensuring that no person is excluded from participation in, or denied the benefits of, its metropolitan transportation planning process on the basis of race, color, or national origin, as protected by Title VI of the Civil Rights Act of 1964 and related statues and regulations.

UNIFIED PLANNING WORK PROGRAM (UPWP) FRAMEWORK

The Unified Planning Work Program establishes the transportation planning activities and programs of the Metropolitan Planning Organization (MPO) to be carried out over the course of the work program year(s) (April through March). Other than administration, the basis of the work program is focused in three broad areas:

- I. Maintenance of a Transportation Improvement Program, which identifies projects and/or programs to receive various sources of Federal funds covering highway, transit, and intermodal facilities and programs.
- II. Maintenance and implementation of the Long Range Transportation Plan, which identifies priority transportation system deficiencies and feasible/appropriate methods for addressing those deficiencies in a fiscally constrained environment.
 - Six transportation goals were identified for the Syracuse Metropolitan Area in the SMTC 2020 Long Range Transportation Plan adopted in January 1995, updated in 1998, 2001, 2004, 2007, and 2011, including: mobility, safety, environment, economy, land use and facilities. Detailed objectives and action recommendations were also identified in regard to each of the goal areas.
- III. Recognition of requirements established by the Federal Highway Administration (FHWA) regarding the national transportation planning priorities included in the SAFETEA-LU, MAP-21 and the National Highway System legislation. The eight planning factor requirements of SAFETEA-LU and MAP-21 are listed below:
 - 1. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity and efficiency;
 - 2. Increase the safety of the transportation system for motorized and non-motorized users;
 - 3. Increase the security of the transportation system for motorized and non-motorized users;
 - 4. Increase the accessibility and mobility of people and for freight;
 - 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.

SUMMARY OF MAJOR PROGRAMMED ACTIVITIES

The 2014-2015 SMTC UPWP is based on the SMTC's 2020 Long Range Transportation Plan and its corresponding updates, which have been approved by the Policy Committee. Emphasis has been placed on developing a program which can be reasonably accomplished with available staff and consultant resources and which is in keeping with the priorities of the SMTC area.

The Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), MAP-21 and other Federal legislation (1990 Clean Air Act Amendments and Americans With Disabilities Act of 1990) significantly impact the manner in which the cooperative, continuous and comprehensive transportation planning process is administered. Among the opportunities are funding flexibility, intermodal planning, protection of the environment and the maintenance and preservation of existing transportation infrastructure. As MAP-21 was signed into law in July 2012, a final rulemaking is necessary before various rules/regulations of the metropolitan transportation planning processes become effective. The USDOT should release this final rulemaking during the 2014-2015 program.

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

1. Program Administration and Support

This category includes general administration, UPWP maintenance and development and public participation. In addition, funding is included for the staff to become educated on federal legislation and requirements.

2. Short Range Transportation Planning

This category includes projects which could be implemented in a shorter timeframe and includes activities related to the Census data, transit and vehicle data collection and Geographic Information Systems (GIS) activities.

3. Long Range Transportation Planning

The majority of UPWP projects that fall under this category are either annual activities or projects that tend to take longer to complete.

4. Transportation Improvement Program (TIP)

This category includes various tasks associated with the administration and maintenance of the TIP, which identifies projects and programs to receive various sources of Federal funds covering air quality, highway, transit, and intermodal facilities and programs.

5. Other Activities

This category includes miscellaneous activities and special technical assistance not otherwise covered.

New York State Metropolitan Planning Organizations

SHARED COST INITIATIVES

In addition to the projects included in the SMTC's program, staff participates with other New York State Metropolitan Planning Organizations on several Shared Cost Initiative (SCI) projects. The SMTC's federal allocation accounted for in the budget tables does not include the set-aside for these SCI projects, as the allocation was previously adjusted proportionally by the New York State Department of Transporation (NYSDOT). In addition, the SMTC's FHWA allocation has also been adjusted to account for the annual Association of Metropolitan Planning Organization's dues. Also it should be noted that the SCI funding includes NYSDOT Statewide Planning and Research (SPR) funding for SCI Working Groups as listed in the attached table. The SCI projects are outlined below for 2014-2015. The SMTC fully supports and participates in the SCI program statewide.

As part of the UPWP development each year, the various MPOs in New York State (NYSAMPO) collectively reserve a limited amount of federal transportation planning funds to fund a series of statewide shared cost initiatives and pay annual dues to the Association of Metropolitan Planning Organizations (AMPO). As available, the NYSDOT has made FHWA SPR funds available to NYSAMPO to supplement SCIs funded with FHWA PL and FTA MPP funds.

NYSAMPO Staff Support

Objective: Provide administrative and technical support for NYSAMPO efforts, including working groups.

Cost: \$250,000 (FHWA PL and FTA MPP and NYSDOT SPR)

Lead Agency: Capital District Transportation Committee

NYSAMPO Staff Training

Objective: Provide relevant training and professional development opportunities for the staffs and

member agencies of MPOs. Cost: \$33,500 (FTA MPP)

Lead Agency: Genesee Transportation Council

AMPO Dues

Objective: Ensure that MPOs are aware of and considered in the development of national transportation policy.

Cost: \$40,987 (FHWA PL)

Lead Agency: Binghamton Metropolitan Transportation Study

2014-2015 UPWP PROGRAM OUTLINE

THIS TABLE IS FOR INFORMATIONAL PURPOSES ONLY. THE INDICATED BREAKDOWN OF ESTIMATED STAFF/CONTRACTUAL ASSIGNMENTS AND BUDGETS ARE SUBJECT TO MODIFICATION AS NEEDED.

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V.	oximatly \$150,000
W. Bicycle & Pedestrian Safety Outreach \$30,000 \$10,000	
X. Title VI & LEP Plan for SMTC MPA \$12,000 \$0	
Y. Transportation Infrastructure Financing Research \$12,000 \$12,000	
Z. Roundabout Feasibility Analysis \$42,000 \$7,000 \$35,000	
AA. Complete Streets Technical Analysis \$25,000 \$0	
BB. Bridge Decommissioning Study \$25,000 \$0	
Total Long-Range Transportation Planning \$884,411 \$664,000 \$220,411	
4. Transportation Improvement Program (TIP) (44.25.00) A TIP Development & Maintenance \$25.000 \$25.000	
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5. Other Activities (44.27.00)	
A. Miscellaneous Activities and Special Technical Assistance \$25,641 \$25,641 \$0	
Total Other Activities \$25,641 \$25,641 \$0	
Grand Total Traditional Funding \$1,310,052 \$981,641 \$328,411	

SPR Expenses for I-81 EIS/NEPA Modeling	\$160,000
Total SMTC Program Cost	\$1,470,052
Please note: Where contractual dollars are indicated no ETA monies	• / /

UNIFIED PLANNING WORK PROGRAM

FY 2014-2015

1. PROGRAM ADMINISTRATION and SUPPORT

- 1A. General Administration
- 1B. Public Participation
- 1C. Federal Transportation Legislation Examination & Evaluation
- 1D. UPWP Previous Year Closeouts
- 1E. UPWP Maintenance and Development

PROJECT NO:	1A
PROJECT TITLE:	General Administration

OBJECTIVE:

To initiate and properly manage the transportation planning process, ensuring that it is continuous, cooperative, and comprehensive, and in compliance with applicable State and Federal laws and regulations.

METHODOLOGY:

The SMTC provides staff support to the Policy, Executive, and Planning Committees, in addition to other permanent and ad-hoc committees. The Staff will implement the work tasks as contained in this UPWP. Other administrative activities include, but are not limited to the following:

- Act as local liaison to NYSDOT, CNYRTA, CNY RPDB, and other transportation related agencies to ensure coordination;
- Provide administrative support and technical assistance to the Policy, Executive, and Planning Committees, as well as other permanent and ad-hoc committees, as needed;
- Maintain financial records of all revenues and expenditures;
- Prepare and distribute meeting notices and agenda packages for all SMTC committees;
- Prepare certification documentation, agreements, resolutions, memoranda of understanding (MOUs), etc.;
- Review and modify the Operations Plan as a result of modifications to the Metropolitan Planning Area and Urban Area Boundaries, as necessary;
- Attend NYSDOT, FHWA, FTA, and MPO training sessions and other necessary workshops and meetings as appropriate;
- Maintain agreements between local governmental agencies and the MPO;
- Prepare and distribute quarterly and semi-annual progress reports and other documents as required;
- Interact/participate in NYS AMPO, ITE, APA, and other professional affiliations, and allow for appropriate resources, travel and training as necessary;
- Provide funds for the purchase and maintenance of computer hardware and software to support the MPO planning program and related activities, including network maintenance;
- Continue the SMTC's commitment to comply with Title VI of the Civil Rights Act of 1964;
- Continue the SMTC's commitment to ensure that all of their programs and activities sufficiently address Environmental Justice principles and procedures, as appropriate; and
- Continue to comply with the NYSDOT's Disadvantaged Business Enterprise Program.

END PRODUCT:

The ability to operate the agency as a functional entity; the ability to meet federal and state requirements; the ability to meet local government expectations; Committee Documentation – including: reports, meeting minutes, committee mailings, and related materials; staff involvement in relevant organizations and activities; and adequate computer resources to meet the MPO planning activity requirements.

Requesting / Participating Agencies:	Funding Sources:	
On Behalf Of: SMTC	FHWA (PL) \$ 172,500 FTA (Sec. 5303) \$ 57,500	
Participating Agencies: SMTC, CNY RPDB, Other Agencies as Appropriate	TOTAL \$ 230,000	

UPWP TASK NO:	1B
TASK TITLE:	Public Participation

OBJECTIVE: To enhance the SMTC's transportation planning process with greater opportunities for

public participation, input, involvement, and exposure.

METHODOLOGY:

This task generally provides for the dissemination of information to the public about the transportation planning program. It also covers receiving public comment and input on transportation planning activities through public information meetings both hosted and attended by the SMTC.

Specifically, this task includes the development of strategies for improving the public's access to the MPO planning process, including all stages of the development of MPO planning documents and studies.

As part of this task, the SMTC will continue to ensure that the principles of Environmental Justice and Title VI, including minority and low-income communities, are included and represented in all public outreach efforts.

The techniques for the dissemination of information include, but are not limited to the following:

- Newsletters;
- Brochures and flyers;
- Study reports and technical memoranda;
- Public information meetings/workshops and conferences;
- Media releases, press articles, and paid advertisements/features;
- Direct contact with public/citizens mailing lists;
- Transportation "fairs", exhibits or expositions; and
- SMTC web site (www.smtcmpo.org).

Public participation opportunities (public input) include:

- Public meetings/workshops;
- Task Forces, focus groups;
- Study Advisory Committees and Stakeholders database; and
- Surveys, questionnaires, comment cards, etc.

END PRODUCT:

Public Participation opportunities/activities, including SMTC newsletters, reports, press releases, maps, and slide presentations, web site maintenance, meetings, workshops, etc.

Requesting / Participating Agencies:	Funding Sources:	
On Behalf Of: SMTC Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FHWA (PL) \$ 15,000 FTA (Sec. 5303) \$ 5,000	
	TOTAL \$ 20,000	

UPWP TASK NO:	1C
TASK TITLE:	Federal Transportation Legislation Examination & Evaluation

OBJECTIVE: To provide funds to allow the Central Staff to comply with existing and new Federal

Legislation and to educate themselves on the changing regulations and requirements.

METHODOLOGY:

With the passage of the Moving Ahead for Progress in the 21st Century (MAP-21) transportation authorization in July 2012, policies and other regulations are continuing to be released by the USDOT. With the passage of the transportation bill there are specific regulations and requirements for Metropolitan Transportation Planning. The Federal Highway Administration, the Federal Transit Administration and the New York State Department of Transportation, as well as many other professional organizations, will assist Metropolitan Planning Organizations in interpreting and implementing the new regulations. Compliance with previous legislation is still required as well. This is a necessary compliance item.

END PRODUCT:

Improved knowledge of the Central Staff regarding the regulations and requirements of the new Transportation Bill as well as required continued compliance of existing legislation.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: SMTC	FHWA (PL)	\$	<u>014-2015</u> 2,500
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303)	\$	2,500
	TOTAL	\$ -	5,000

UPWP TASK NO:	1D
TASK TITLE:	UPWP Previous Year Closeouts

OBJECTIVE: To provide a task for closing out various UPWP activities from the previous program year.

METHODOLOGY:

At the end of each program year, there are often various administrative tasks that need to be completed in order to officially close out a project. Such activities typically include the reproduction and distribution of Final Reports that were acknowledged prior to the close of the program year. Since there are no planning activities remaining, the project is not carried over and therefore does not possess a billing code to charge these final administrative tasks.

This task is included as a "catch-all" to cover the various tasks necessary to completely close out various projects from the previous program year.

END PRODUCT:

Completion of required minor tasks necessary to completely close out various projects/efforts from the previous program year.

Requesting / Participating Agencies:	Funding Sources:	
On Behalf Of: SMTC Participating Agencies: SMTC, CNY RPDB	FHWA (PL) \$ 7,000 FTA (Sec. 5303) \$ 0	
	TOTAL \$ 7,000	

TASK TITLE: UPWP Maintenance and Development	UPWP TASK NO:	1E
	TASK TITLE:	UPWP Maintenance and Development

OBJECTIVE: Maintain the 2014-2015 Unified Planning Work Program (UPWP) as necessary and develop

a subsequent work program accordingly.

METHODOLOGY:

This task includes all necessary work required to process amendments to the 2014-2015 UPWP and finalize according to Federal regulations.

The UPWP indicates local, state, and federal funding of the UPWP work tasks and identifies the participating agencies for completing the work. The UPWP will be developed according to measures deemed necessary to ensure a "3C" planning process, one that is continuing, cooperative, and comprehensive.

END PRODUCT:

Maintenance of and amendments to the 2014-2015 UPWP as appropriate as well as development of the 2015 -2016 UPWP.

Requesting / Participating Agencies:	Funding Sources:
On Behalf Of: SMTC	2014-2015 FHWA (PL) \$ 7,500
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303) \$ 2,500
	TOTAL \$ 10,000

UNIFIED PLANNING WORK PROGRAM

FY 2014-2015

2. SHORT RANGE TRANSPORTATION PLANNING

- 2A. Census Data Compilation, and/or Analysis
- 2B. Data Collection, Compilation, and/or Analysis
- 2C. Functional Classification System Review
- 2D. Geographic Information Systems (GIS) -SMTC
- 2E. Geographic Information Systems (GIS) Member Agency Assistance

UPWP TASK NO:	2A
TASK TITLE:	Census Data Compilation and/or Analysis

OBJECTIVE:

To continue to utilize the U.S. Census data accordingly. Additionally, to provide Census data, information and analysis as input into appropriate SMTC planning studies. This effort supports Long Range Transportation Planning activities, Travel Demand Modeling, Environmental Justice, Title VI, and general transportation planning for the MPO.

METHODOLOGY:

This UPWP task is an ongoing activity of the SMTC. It allows for staff to utilize various Census data for Long Range Transportation Planning activities, Travel Demand Modeling, Environmental Justice, and general transportation planning completed by the MPO. Additionally, member agencies frequently request that the SMTC create customized census data products for their needs. This project allows for SMTC staff to complete those requests.

END PRODUCT:

A valuable data set to support the varied planning activities of the MPO.

Requesting / Participating Agencies:	Funding Sources:
On Behalf Of: SMTC Participating Agencies: SMTC, Other Agencies as Appropriate	FHWA (PL) \$ 7,500 FTA (Sec. 5303) \$ 2,500
	TOTAL \$ 10,000

UPWP TASK NO:	2B
TASK TITLE:	Data Collection, Compilation, and/or Analysis

OBJECTIVE: To collect, analyze and utilize various forms of data that assist in the everyday planning operation of the MPO.

METHODOLOGY:

This UPWP task involves the following subcategories:

- i. Transit Data Collection: The collection of transit ridership, scheduling and routing information by both the Central New York Regional Transportation Authority (CNYRTA) and by the SMTC to fill project-specific data needs. It is intended that the CNYRTA will collect this data and provide it to the SMTC in a timely manner. If the CNYRTA is unable to provide the SMTC with the requested data, the SMTC will utilize the funds available for this category to obtain the data elsewhere. The SMTC will provide CNYRTA with project-specific data needs as requested.
- **ii. Vehicle Data Collection:** The collection of traffic count data and turning movement count data required in support of the SMTC's planning activities. This will be done in accordance with the adopted Traffic Count Protocal procedures at the SMTC. Additionally, this subcategory will include the ongoing effort of maintaining a central database of vehicle traffic counts for the MPO area.
- iii. Other Information: Other data as necessary in support of the planning activities of the SMTC.

Note: No FTA monies will be used for the contractual portion of this project.

END PRODUCT:

The end product is transit, vehicular and other data sets as necessary. These data are used in the various multimodal studies and activities undertaken by the SMTC.

Requesting / Participating Agencies:	Funding Sources:
On Behalf Of: SMTC Participating Agencies: SMTC, SMTC Member Agencies, Other	FHWA (PL) \$ 38,000 FTA (Sec. 5303) \$ 0
Agencies as Appropriate	TOTAL \$ 38,000

UPWP TASK NO:	2C
TASK TITLE:	Functional Classification System Review

OBJECTIVE: To conduct a review, and make changes of the MPO functional classification system

following adjustment of the 2010 Census urbanized area and Metropolitan Planning Area.

METHODOLOGY:

The SMTC will need to revisit the Functional Classification of Streets as a result of both the 2010 Census and the revision of the City of Syracuse Functional Classification System in previous years.

Changes outside of the City may be necessary for a variety of reasons including continuity, functionality, and distribution of the percentage of functional classification types within the system. This process will be led by the SMTC staff, however it will involve extensive input from appropriate entities and member agencies including, but not limited to the City of Syracuse, the New York State Department of Transportation, and the Onondaga County Department of Transportation.

END PRODUCT:

A revised functional classification system for the entire MPO area.

Requesting / Participating Agencies:	Funding Sources:
On Behalf Of: SMTC Participating Agencies: SMTC, SMTC Member Agencies	FHWA (PL) \$ 10,000 FTA (Sec. 5303) \$ 0
	TOTAL \$ 10,000

UPWP TASK NO:	2D
TASK TITLE:	Geographic Information Systems (GIS) - SMTC

OBJECTIVE: To manage the data and software requirements necessary for maintaining and using the

SMTC's Geographic Information System (GIS) to support the MPO planning activities.

METHODOLOGY:

The SMTC utilizes various transportation-related GIS files as part of routine planning and analysis. As additional information becomes available digitally from the SMTC's member agencies each year, the role of GIS is becoming pervasive.

To fully allow the SMTC to utilize GIS in its work program, there are necessary enhancements and routine maintenance efforts that must be undertaken as part of its work program annually. These efforts will allow the SMTC to more fully utilize GIS in relation to vehicle traffic counts, transit ridership, pavement condition monitoring, functional classification, demographic analysis, linking of Travel Demand Model data to GIS data, and other related efforts.

Anticipated activities include:

- Coordination with member agencies to ensure that the most recent data is being used;
- File maintenance of the SMTC's GIS data layers;
- Linking Census data with relevant SMTC GIS layers;
- Continuing linking Vehicle Data Collection activities with the GIS database to allow for easy access to the most up-to-date traffic counts for road segments (AADT);
- Continue development of a GIS layer of turning movement count locations and data sheets to allow for easy access to turning movement count data sets; and
- GIS data acquisition, maintenance, and manipulation as required in support of the various UPWP planning efforts that will utilize GIS data.

END PRODUCT:

Enhanced coordination between the SMTC and various Federal, State, and local agencies to allow for up-to-date GIS data and files. Additionally, enhanced data sets that support the SMTC's planning efforts and high quality cartographic products as required for various UPWP projects.

Requesting / Participating Agencies:	Funding Sources:
On Behalf Of: SMTC Participating Agencies: SMTC, SMTC Member Agencies	FHWA (PL) \$ 18,750 FTA (Sec. 5303) \$ 6,250
	TOTAL \$ 25,000

UPWP TASK NO:	2E
TASK TITLE:	Geographic Information Systems (GIS) - Member Agency Assistance

OBJECTIVE:

To manage the data and software requirements necessary for maintaining and using the SMTC's Geographic Information System (GIS) to support the regional planning needs of the MPO member agencies as they relate to the mission of the SMTC.

METHODOLOGY:

As outlined in project 2D Geographic Information Systems (GIS) - SMTC, the SMTC's staff is highly capable of using and maintaining GIS data and creating appropriate end products. This item's purpose is to provide those services to SMTC member agencies as they relate to regional planning and the core mission of the SMTC.

Anticipated activities include:

- Maintenance of appropriate data libraries;
- Creation of custom data sets:
- Map creation and editing;
- Maintenance of appropriate data libraries; and
- GIS data acquisition, maintenance, and manipulation as required in support of the various planning efforts that will utilize GIS data.

This GIS support project involves Central Staff providing member agencies with GIS products such as maps and associated spreadsheets on an as needed basis. The GIS maps would be produced for the member agency by request and reviewed by requesting agency.

END PRODUCT:

Enhanced coordination between the SMTC and various Federal, State, and local agencies to allow for up-to-date GIS data and files. Additionally, enhanced data sets that support the member agencies' planning efforts and high quality cartographic products as required for various regional planning projects in support of the SMTC's mission.

Requesting / Participating Agencies:	Fund	ling S	ources:	
On Behalf Of: CNYRPDB Participating Agencies: SMTC, SMTC Member Agencies	FHWA (PL) FTA (Sec. 5303)	\$	15,000 5,000	
	TOTAL	\$ -	20,000	

UNIFIED PLANNING WORK PROGRAM

FY 2014-2015

3. LONG RANGE TRANSPORTATION PLANNING

3A.	Air Quality, Conformity and Energy
3B.	Bicycle/Pedestrian Planning
3C.	Bridge and Pavement Condition Management System (BPCMS)
3D.	I-81 NEPA Involvement
3E.	I-81 Travel Demand Modeling Project
3F.	MPO Area Regional Planning Initiatives
3G.	Long Range Transporation Plan
3Н.	Rail, Truck and Transit Planning
3I.	Traffic Safety
3J.	Travel Demand Modeling
3K.	Erie Canalway Trail
3L.	Onondaga County Sustainable Streets Initiative
3M.	City of Syracuse Wayfinding Study - Phase 2
3N.	Butternut Street Corridor Study
3O.	Town of Geddes Bicycle and Pedestrian Access Evaluation
3P.	Transportation Information Assembly and Public Access
3Q.	Synchro/HCS Training
3R.	ITS Strategic Plan Update
3S.	Syracuse Metropolitan Area Regional Transit Study Ph. 1
3T.	Town of Lysander Comprehensive Plan Update Assistance
3U.	Church Street Realignment
3V.	Erie Boulevard East Pedestrian Accommodation Corridor Study
3W.	Bicycle and Pedestrian Safety Outreach
3X.	Title VI and LEP Plan for SMTC MPA
3Y.	Transportation Infrastructure Financing Research
3Z.	Roundabout Feasibility Analysis
3AA.	Complete Streets Technical Analysis
3BB.	Bridge Decommissioning Study

UPWP TASK NO:	3A
TASK TITLE:	Air Quality, Conformity and Energy

OBJECTIVE: To continue to provide for air quality planning and energy initiatives and activities that comply with the Clear Air Act Amendments of 1990 and the New York State Energy Plan.

METHODOLOGY:

In September 2013, the second ten-year carbon monoxide maintenance plan for Onondaga County expired and the county's air quality designation changed to an "attainment" area. The New York State Department of Environmental Conversation will no longer provide emission budgets for carbon monoxide; meaning, the transportation conformity process undertaken as part of the Long Range Transportation Plan (LRTP) and the Transportation Improvement Program (TIP) are no longer applicable. However, the SMTC will continue its cooperative relationship with all of the appropriate agencies as appropriate.

END PRODUCT:

Ongoing adherence to all Federal and State programs and requirements relating to air quality and energy at the SMTC.

Requesting / Participating Agencies:	Funding Sources:	
On Behalf Of: SMTC	FHWA (PL) \$ 3,750	
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303) \$ 1,250	
	TOTAL \$ 5,000	

UPWP TASK NO:	3B
TASK TITLE:	Bicycle/Pedestrian Planning

OBJECTIVE:

To include multi-modal transportation planning in the MPO process, in order to effectively address bicycle and pedestrian transportation issues. Activities under this task will also contribute to improved air quality in the MPO area.

METHODOLOGY:

- Provide input and technical assistance from a multi-modal perspective to all SMTC transportation projects in order that bicycle and pedestrian travel are given appropriate consideration in any given SMTC project;
- Conduct data collection, identify and assess existing conditions, develop and evaluate alternatives and/or prepare recommendations as required;
- Continue meetings of the SMTC bicycle/pedestrian community interest group;
- Create an online, interactive, bicycle suitability map;
- Identify issues of concern within the multi-modal arena for which a focused substantive transportation study may be appropriate;
- Provide staff support to multi-modal advisory committees and utilize, as appropriate, the committees
 as resources for providing input to specific multi-modal projects as well as multi-modal program
 development; and
- Participate in the NYSAMPO Bicycle/Pedestrian Working Group.

END PRODUCT:

Maintenance of a multi-modal component in all SMTC transportation projects, and miscellaneous technical reports and memoranda.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: SMTC Participating Agencies: SMTC, Other Agencies as Appropriate	FHWA (PL) \$ 32,000 FTA (Sec. 5303) \$ 0		
	TOTAL \$ 32,000		

UPWP TASK NO:	3C
TASK TITLE:	Bridge and Pavement Condition Management System (BPCMS)

OBJECTIVE: Complete an annual working document for SMTC member agencies and staff on bridge and pavement conditions within the SMTC planning area.

METHODOLOGY:

A Bridge and Pavement Condition Management System — a centralized database of all Federal-aid highways and bridges for cross jurisdictional comparisons — is beneficial to Metropolitan Planning Organizations. The centralized database will also allow the SMTC and its member agencies to monitor progress toward long-range planning infrastructure goals and forthcoming performance based planning activities. This database will be linked to the SMTC's Geographic Information System (GIS).

END PRODUCT:

Annual working document for SMTC and member agencies of bridge and pavement conditions that includes: (1) comprehensive database of bridge and pavement conditions; (2) comparative database for individual road segments that shows condition by jurisdiction by year for all federal aid eligible roads; and (3) written summary that contains the liberal use of maps, charts, and tables to show the current bridge and pavement conditions.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: SMTC		<u>2</u>	<i>014-2015</i>
On Benan Or. Sivi 10	FHWA (PL)	\$	8,000
Participating Agencies: SMTC, City of Syracuse, NYSDOT, NYSTA, OCDOT, Other Agencies as Appropriate	FTA (Sec. 5303)	\$	2,000
	TOTAL	\$ -	10,000

UPWP TASK NO:	3D
TASK TITLE:	I-81 NEPA Involvement

OBJECTIVE: To continue active participation in the NYSDOT's I-81 Viaduct Project environmental process as a participating agency.

METHODOLOGY:

The I-81 Challenge, a partnership between the SMTC and NYSDOT completed in 2013. Since then, NYSDOT has initiated the NEPA (National Environmental Policy Act) process for the I-81 viaduct priority area; referred to as I-81 Opportunities.

The SMTC will continue its engagement throughout the entirety of the NEPA process as a participating agency.

END PRODUCT:

Continued agency engagement/involvement in the NYSDOT's I-81 Viaduct project.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: SMTC Participating Agencies: SMTC, CNY RPDB, CNYRTA, City of Syracuse, NYSDOT, OCDOT, SOCPA and others as appropriate.	FHWA (PL) \$ 16,000 FTA (Sec. 5303) \$ 4,000		
Sylucuse, 1418801, 00801, 000114 and others as appropriate.	TOTAL \$ 20,000		

UPWP TASK NO:	3E
TASK TITLE:	I-81 Travel Demand Modeling Project

OBJECTIVE:

To utilize the SMTC's Travel Demand Model to evaluate the existing and future traffic conditions along I-81 and surrounding local streets in the MPO area. This analysis will be performed for a variety of different potential alternatives and scenarios in the NYSDOT's NEPA process.

METHODOLOGY:

The SMTC will utilize its Travel Demand Model to evaluate different alternative scenarios for the I-81 corridor in the MPO area with the goal being to demonstrate the traffic impacts/projections of those scenarios on both the state and local transportation systems. The regional modeling results will then be provided to NYSDOT for use in further micro-analyses of the transportation system associated with the I-81 NEPA process currently underway.

The major elements of this effort are to:

- Use the travel demand model to evaluate various potential concepts for the I-81 corridor (and permutations of those concepts), based on:
 - impacts to the transportation network of the greater metropolitan region; and
 - impacts to regional interstate access and general mobility, with an emphasis on the movement of goods and people.

Note: No FTA monies will be used for the contractual portion of this project.

END PRODUCT:

This task will result in several detailed model outputs and analysis associated with the various alternatives examined.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: NYSDOT	FHWA (PL) \$ 40,000		
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303) \$ 0		
	TOTAL \$ 40,000		

UPWP TASK NO:	3F
TASK TITLE:	MPO Regional Planning Initiatives

OBJECTIVE: To allow the SMTC to be actively involved in the many important regional planning

initiatives that either currently exist or may begin over the program year.

METHODOLOGY:

Numerous significant planning initiatives either currently exist or may come to fruition over the coming program year. This project is to allow for the SMTC to participate in these initiatives. Additionally, member agencies may request SMTC specific planning, analysis, or related activities in regards to these initiatives via this task. Examples of past work that fall under this category include the The Connective Corridor, Lakefront Planning, City of Syracuse Comprehensive Planning, Central New York Regional Sustainability Planning and other related activities.

END PRODUCT:

Active SMTC participation in important regional planning initiatives.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: SMTC/Various	FHWA (PL) \$ 20,000		
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303) \$ 0		
	TOTAL \$ 20,000		

UPWP TASK NO:	3 G
TASK TITLE:	Long Range Transportation Plan

OBJECTIVE: Continue efforts on the development of the 2016 Long Range Transportation Plan (LRTP).

METHODOLOGY:

As required by law, each MPO must have a complete and up-to-date LRTP. Federal Regulations dictate that the Plan be updated a minimum of every four years. The SMTC's last complete LRTP was the 2020 Long Range Transportation Plan, completed in 1995, with updates completed in 1998, 2001, 2004, 2007, and 2011.

Efforts to develop a completely new LRTP which will include new goals and objectives are underway.

All tasks and activities conducted as part of this project will ensure that the principles and procedures of Environmental Justice and Title VI receive the appropriate attention.

END PRODUCT:

Completion of the 2016 Long-Range Transportation Plan.

Requesting / Participating Agencies:	Funding Sources:			
On Behalf Of: SMTC	FHWA (PL) \$ 60,000			
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303) \$ 0			
	TOTAL \$ 60,000			

UPWP TASK NO:	3Н
TASK TITLE:	Rail, Truck and Transit Planning

OBJECTIVE:

To include multi-modal transportation planning in the MPO process, in order to effectively address rail, truck and transit transportation issues, for moving both people and freight, as appropriate.

METHODOLOGY:

- Provide input and technical assistance from a multi-modal perspective to all SMTC transportation projects in order that rail, truck and transit travel are given appropriate consideration to any given SMTC project;
- Conduct data collection, identify and assess existing conditions, develop and evaluate alternatives and/or prepare recommendations as required;
- Identify issues of concern within the multi-modal arena for which a focused substantive transportation study may be appropriate;
- Provide staff support to multi-modal advisory committees and utilize, as appropriate, the committees
 as resources for providing input to specific multi-modal projects as well as multi-modal program
 development; and
- Participate in the NYSAMPO Freight and Transit Working Groups.

Additionally, this task will include two specific sub-items.

- 1) Completion of a fixed route transit map for Centro that will be publically available; and
- 2) Development of a freight profile.

END PRODUCT:

Maintenance of a multi-modal component in all SMTC transportation projects, and miscellaneous technical reports and memoranda.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: SMTC Participating Agencies: SMTC, CNYRTA, SMTC Member Agencies, Other Agencies as Appropriate	FHWA (PL) \$ 24,000 FTA (Sec. 5303) \$ 6,000		
	TOTAL \$ 30,000		

UPWP TASK NO:	31
TASK TITLE:	Traffic Safety

OBJECTIVE: To participate in various Traffic Safety initiatives as appropriate.

METHODOLOGY:

Integrating safety into the transportation planning process has been the focus of various Federal and State initiatives and is strongly encouraged within Metropolitan Planning Organizations.

Staff has been actively involved for many years on the Onondaga County Traffic Safety Advisory Board and these efforts will be continued.

In addition, this task includes the participation of staff on a NYSAMPO Safety Working Group that is examining various traffic safety activities utilized throughout the state and their potential use within each MPO. Also, the Working Group will reach out to other state agencies such as the Department of Motor Vehicles and the Department of Transportation to better coordinate safety planning activities between MPOs and these agencies.

END PRODUCT:

Continued participation on the Onondaga County Traffic Safety Advisory Board, increased awareness regarding various Traffic Safety issues and further integration of traffic safety into the transportation planning process.

Requesting / Participating Agencies:	Func	Funding Sources:			
On Behalf Of: SMTC	FHWA (PL)	\$	<u>014-2015</u> 4,800		
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303)	\$	1,200		
	TOTAL	\$	6,000		

UPWP TASK NO:	3J
TASK TITLE:	Travel Demand Modeling

OBJECTIVE: To improve and utilize the SMTC's Travel Demand Model in support of the planning needs of the SMTC and its member agencies.

METHODOLOGY:

This task involves the following key steps:

- Maintenance of the existing model. This requires utilization of additional data sets and possible consultant efforts to be sure that the agency's model will meet SMTC's needs;
- Continue training of existing staff on the best way(s) to utilize the model in support of the SMTC and its member agencies; and
- Utilization of the model in support of existing projects and member agency requests for scenario planning.

Note: No FTA monies will be used for the contractual portion of this project.

END PRODUCT:

A maintained Travel Demand Model that meets the needs of the SMTC as well as the member agencies. In addition the model must comply with federal and state requirements for air quality and conformity.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: SMTC Participating Agencies: SMTC, SMTC Member Agencies	FHWA (PL) \$ 44,329 FTA (Sec. 5303) \$ 11,082		
	TOTAL \$ 55,411		

UPWP TASK NO:	3K
TASK TITLE:	Erie Canalway Trail, Syracuse Connector Route

OBJECTIVE: To re-establish a working group of interested agencies to continue discussions on how and where to locate the Erie Canal Trail through the City of Syracuse.

METHODOLOGY:

There has been renewed interest in completing the Erie Canalway Trail through the City of Syracuse and surrounding area. This project will leverage this renewed interest and begin discussions again to develop an implementation plan. Through this effort, various barriers to the trail's implementation through the City of Syracuse and points east and west of the City will be identified along with solutions to these barriers. This project consists of two distinct phases. Phase 1 focuses on identifying and signing an appropriate on-road route while Phase 2 of the project will examine and recommend a longer-term, off-road solution.

Phase 1 of the project was completed in the 2013-2014 program cycle along with significant work undertaken as part of Phase 2. Phase 2 is anticipated for completion during the early stage of the 2014-2015 work program.

END PRODUCT:

A documented plan for how to achieve implementation through the City of Syracuse.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: City of Syracuse and SMTC	<u>2014-2015</u>		
	FHWA (PL) \$ 12,000		
Participating Agencies: SMTC Member Agencies, Other Agencies as	FTA (Sec. 5303) \$ 3,000		
Appropriate			
	TOTAL \$ 15,000		

UPWP TASK NO:	3L
TASK TITLE:	Onondaga County Sustainable Streets Initiative

OBJECTIVE:

To address several questions regarding sidewalk infrastructure. The intention is to provide detailed research into topics such as evolving policies and legislative mandates, as well as best practices in planning, designing, financing and maintaing sidewalks. This task also includes studying potential applications of research to existing issues within the MPA.

METHODOLOGY:

Sidewalk research and analysis was the first component of a multi-phased initiative to advance "sustainable streets" in the area. The Phase 1 study examined current and anticipated practices at the local, county, State and Federal levels in regards to sidewalk infrastructure.

At a minimum, the study will:

- Inventory existing sidewalk networks, including ownership and maintenance responsibility;
- Compile existing sidewalk regulations, standards and requirements;
- Identify common difficulties in sidewalk construction and maintenance;
- Identify zones and critical linkages where sidewalk construction and maintenance should be prioritized;
- Study the possible application of best practices research to existing situations in the MPA; and
- Summarize relevant information in a single reference document.

The inventory, regulation compiling and identification of priority zones tasks have been completed. The remaining items are expected to be completed over the course of multiple program years.

END PRODUCT:

A final report will include an inventory of local sidewalks and sidewalk ordinances, documentation of project research, model sidewalk design standards and ordinances, an analysis of the existing sidewalk network, and applications of this research to existing cases within the MPA.

Requesting / Participating Agencies:	Func	Funding Sources:		
On Behalf Of: SOCPA	FHWA (PL)	\$	40,000	
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303)	\$	0	
	TOTAL	\$ -	40,000	

UPWP TASK NO:	3M
TASK TITLE:	City of Syracuse Wayfinding Study - Phase 2

OBJECTIVE: To complete a second phase of a comprehensive wayfinding strategy that focuses on tourist oriented districts in the City of Syracuse.

METHODOLOGY:

The first phase of a comprehensive wayfinding program for the City of Syracuse focused on getting motorists to various destinations in the City from, and back to, the interstate system. This second phase project will seek to direct motorists to and from various destinations within the City of Syracuse (i.e., Rosamond Gifford Zoo to Armory Square).

Following initial data gathering, destinations were mapped and recommendations made. Similar to Phase 1, recommendations will be made for automobile travel only during this examination. This project will seek to capture and continue local government and business interests in enhancing the economic opportunity of various tourist oriented districts in the City of Syracuse.

Phase 2 serves as a technical analysis and will not involve graphic sign design and branding. Detailed sign design, branding, fabrication and installation would be completed by the City of Syracuse following this phase. Phase 2 is anticipated for completion during the early stage of the 2014-2015 work program.

END PRODUCT:

An implementation based final report with recommendations for general signage information and location.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: City of Syracuse	2014-2015 FHWA (PL) \$ 8,000		
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303) \$ 2,000		
Agencies as Appropriate	TOTAL \$ 10,000		

UPWP TASK NO:	3N
TASK TITLE:	Butternut Street Corridor Study

OBJECTIVE:

To provide recommendations that will seek to establish a more efficient multi-modal transportation system along Butternut Street between North State Street and Grant Boulevard.

METHODOLOGY:

Given the mix of land uses along this corridor, the variability of parking regulations and lack of bicycle facilities in the corridor has been identified by the City. This study effort will document how street space is currently allocated to different uses, including vehicular travel, transit, parking, and bicycling, and examine potential options for rationalizing parking regulations and improving accommodations for bicyclists while still providing adequate traffic operations and accommodating transit vehicles.

Public participation from those business owners and residents within the corridor will be sought to gather input on issues and concerns about the corridor and suggestions for enhancing mobility.

END PRODUCT:

A final document that outlines the conditions, needs and recommendations for the corridor.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: City of Syracuse	FHWA (PL) \$ 32,000		
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303) \$ 8,000		
Agencies as Appropriate	TOTAL \$ \(\frac{40,000}{}{}		

UPWP TASK NO:	30
TASK TITLE:	Town of Geddes Bicycle and Pedestrian Access Evaluation
OD IECTIVE. To complete an examination to determine the need for and feasibility of providing more	

OBJECTIVE: To complete an examination to determine the need for and feasibility of providing more convenient bicycle access between the northern and southern sections of the Town of

METHODOLOGY:

This project will seek to identify community desire and interest for the installation of bicycle specific treatments along various roadways in the Town of Geddes. Study efforts will focus specifically on linking areas south of the New York State Thruway to the area of the Town of Geddes north of the Thruway and across John Glenn Boulevard to Farrell Road. In addition, effort will be expended on improving the parking availability for the existing pedestrian bridges over Interstate 690 that connect to the west shore of the Onondaga Lake trail system.

Some specific elements of this project include:

- Public outreach;
- Data collection and analysis in support of the project; and
- Recommended bicycle infrastructure implementation as appropriate.

END PRODUCT:

A detailed plan that identifies roadways and suggested bicycle specific treatments, including off-road locations as necessary to improve north, south bicycle connections.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: Town of Geddes	2014-2015 FHWA (PL) \$ 16,000		
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303) \$ 4,000		
	TOTAL \$ 20,000		

UPWP TASK NO:	3P
TASK TITLE:	Transportation Information Assembly and Public Access

OBJECTIVE: To collect transportation system data currently not available that may be useful to various planning activities and the public.

METHODOLOGY:

Data collection would be the initial phase of this study effort utilizing the SMTC's GPS capabilities to collect data such as bicycle racks, trails and other data sets as determined by member agencies. Anticipated scope of work under phase 1 is to a) identify data to be collected; b) process data into useful data sets such as GIS shapefiles; and 3) determine the most appropriate way to make the data available to the public.

Phase 2 of this project would then make the data accessible to member agencies and the public through an existing web interface or the development of a new one.

Significant involvement of, and by, the public is not anticipated. The data collected as part of this project will be useful to a variety of SMTC activities as well as to member agencies for their own study purposes as well.

END PRODUCT:

An easy to use interface to obtain useful information about the transportation system.

Requesting / Participating Agencies:	Funding Sources:			
On Behalf Of: SMTC	FHWA (PL) \$ 20,000			
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303) \$ 5,000			
	TOTAL \$ 25,000			

UPWP TASK NO:	3Q
TASK TITLE:	Synchro/HCS Training

OBJECTIVE: To provide traffic operations analysis software training for member agencies using the Synchro and HCS platforms.

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METHODOLOGY:

This task will provide consultant led training to all interested member agencies relying on Synchro, SimTraffic and/or HCS traffic operations analysis softwares. Three levels of training will be made available and will target specific user levels with such training focusing on introductory, intermediate and advanced traffic operations software applications.

Member agency staff will become more fluent in traffic operations and their ability to more accurately create files/models of highway conditions and potential solutions that could reduce congestion, improve safety, reduce idling times and travel times along the highway network.

Note: No FTA monies will be used for the contractual portion of this project.

END PRODUCT:

Three training courses to improve member agency staff proficiency in traffic operations software.

Requesting / Participating Agencies:	Func	ling S	ources:	
On Behalf Of: OCDOT	FHWA (PL)	\$	35,000	
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303)	\$	0	
	TOTAL	\$	35,000	

UPWP TASK NO:	3R
TASK TITLE:	ITS Strategic Plan Update

OBJECTIVE: To assist in identifying updates to various components of the New York State Department of Transportation's Regional ITS Architecture.

METHODOLOGY:

The current ITS plan for the region is nearly 10 years old and requires some updating following input from the FHWA in order to continue implementing ITS projects.

The FHWA has specifically identified five components for that need to be updated or added to the existing ITS Architecture:

- 1) update listing of projects and project selection as appropriate;
- 2) update Turbo Architecture files;
- 3) amend plan for a key component that has changed (i.e., the State's METCON/SMARTNET);
- 4) include a maintenance plan; and
- 5) ensure compliance with Rule 940.

SMTC staff assistance will be limited to the coordination and facilitation of meetings with appropriate member agencies and other interested organizations. Relying on information/data obtained through these meetings, State DOT personnel will complete the update process.

END PRODUCT:

Updated agency listing, meeting summaries and information necessary for the State to complete their update process.

Requesting / Participating Agencies:	Fund	ling S	ources:	
On Behalf Of: NYSDOT		2	<u>2014-2015</u>	
on Behan on 1110B of	FHWA (PL)	\$	8,000	
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303)	\$	2,000	
	TOTAL	\$	10,000	

UPWP TASK NO:	3S
TASK TITLE:	Syracuse Metropolitan Area Regional Transit Study Phase 1

OBJECTIVE: To build on the Syracuse Transit Systems Analysis effort completed as part of The I-81 Challenge to refine and develop enhancments along select corridors for advancement into NEPA.

METHODOLOGY:

The Transit Systems Analysis component of the The I-81 Challenge is a high-level examination of transit mobility challenges in the Syracuse metropolitan area that will serve as a "long range" transit vision for this area. The Syracuse Metropolitan Area Regional Transit Study (SMART) is intended to help Centro enter into the NEPA process for an advanced transit system.

As part of Phase 1, a significant collaborative effort between Centro, City of Syracuse, Onondaga County, NYSDOT and SMTC personnel, with assistance from the Federal Transit Administration, will be focused on developing a scope of work. SMTC staff will lead the planning effort up to initiation of the NEPA process.

END PRODUCT:

Documentation suitable for Centro to advance into the NEPA process.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: CNYRTA	FHWA (PL) \$ 90,000		
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303) \$ 30,000 TOTAL \$ 120,000		

UPWP TASK NO:	3T
TASK TITLE:	Town of Lysander Comprehensive Plan Update Assistance

OBJECTIVE: To provide technical analysis assistance to the Town of Lysander for use in the development of their comprehensive plan.

METHODOLOGY:

The Town of Lysander is in the process of updating its Comprehensive Land Use Plan and has requested technical analysis assistance on various transportation elements affecting the update. Specifically, analysis of the following criteria/data elements will be examined:

- existing traffic counts;
- accident records;
- identifying system limitations and opportunities;
- forecasting future needs; and
- identifying feasible land use approaches.

This planning task will heavily utilize the SMTC's enhanced Travel Demand Model.

END PRODUCT:

Detailed documentation of transportation and land use related work undertaken for inclusion in the town's plan update process.

Requesting / Participating Agencies:	Func	ling S	ources:	
On Behalf Of: Town of Lysander	FHWA (PL) FTA (Sec. 5303)	\$ \$	32,000	
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	TOTAL	\$ - \$	8,000	

UPWP TASK NO:	3U
TASK TITLE:	Church Street Realignment

OBJECTIVE: To identify if Church Street in the Village of North Syracuse could be reopened, and how, to extend between US 11 and South Bay Road.

METHODOLOGY:

Church Street in the Village of North Syracuse, which is lined with small businesses and some residential properties intersects with Main Street (US Route 11) and terminates approximately 30 feet west of South Bay Road eliminating the opportunity for through traffic. The village's Master Plan recommends that this street be reopened to allow for future redevelopment that is stinted due to the lack of vehicular accessibility on the eastern end.

Specific elements of this effort include:

- Public outreach to businesses and residents along the roadway;
- Data collection and operational analysis in support of the project; and
- Recommended implementation as appropriate.

END PRODUCT:

A final document that outlines the conditions, needs, and recommendations.

Requesting / Participating Agencies:	Funding Sources:			
On Behalf Of: Village of North Syracuse	<u>2014-2015</u>			
	FHWA (PL) \$ 32,000 FTA (Sec. 5303) \$ 8,000			
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (800.3303) \$ 8,000			
	TOTAL \$ 40,000			

UPWP TASK NO:	3V
TASK TITLE:	Erie Boulevard East Pedestrian Accommodation Corridor Study

OBJECTIVE: To conduct a comprehensive study to analyze and prioritize pedestrian needs along the Erie Boulevard corridor, specifically concerned with pedestrian crossings from Beech Street in the City of Syracuse to Routes 5 and 92 in the Town of DeWitt.

METHODOLOGY:

Erie Boulevard East is a commercial district with divided roadways and limited pedestrian accommodations. There have been several pedestrian safety incidents along the corridor involving pedestrians attempting to cross the heavily traveled boulevard. This project will conduct an investigation of the existing sidewalk system and pedestrian accident history along Erie Boulevard from Beech Street to Routes 5 and 92 and identify pedestrian needs and improvement opportunities.

END PRODUCT:

A final document that outlines the conditions, needs, and recommendations.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: City of Syracuse and NYSDOT	<u>2014-2015</u>		
On Benan Of. City of Syracuse and N 15DO1	FHWA (PL) \$ 52,000		
Participating Agencies: SMTC, SMTC Member Agencies, Other	FTA (Sec. 5303) \$ 13,000		
Agencies as Appropriate			
	TOTAL \$ 65,000		

UPWP TASK NO:	3W
TASK TITLE:	Bicycle and Pedestrian Safety Outreach

OBJECTIVE: To build a bicycle and pedestrian training program for local law enforcement agencies and educational materials for the public.

METHODOLOGY:

As part of this project, staff will reach out to various law enforcement agencies to determine interest level in developing and holding a bicycle and pedestrian training program for law enforcement. Additionally, Share the Road Public Service Announcement(s) will be created in coordination with the Onondaga County Traffic Safety Advisory Board.

Note: No FTA monies will be used for the contractual portion of this project.

END PRODUCT:

To provide bicycle and pedestrian training to law enforcement in order to improve enforcement and reduce bicycle and pedestrian incidents.

Requesting / Participating Agencies:	Funding Sources:			
On Behalf Of: SMTC	FHWA (PL)	\$	<i>014-2015</i> 27,000	
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303)	\$	3,000	
	TOTAL	\$	30,000	

UPWP TASK NO:	3X
TASK TITLE:	Title VI and LEP Plan

To document the procedures and processes used by the SMTC to adhere to Title VI and **OBJECTIVE:**

Limited English Proficient requirements.

METHODOLOGY:

As a recipient of federal transportation funding, the SMTC is required to ensure to the fullest extent practical that the metropolitan transportation planning process is inclusive of public participation by all populations and is performed in a non-discriminatory fashion. This includes minority groups, limited English proficient (LEP) populations, persons with disabilities and seniors. US Department of Transportation policies and regulations for Title VI and LEP will be reviewed and utlized in the development of the joint Title VI and LEP Plan for the SMTC. Research into NYSDOT and MPO Title VI/LEP procedures from across the country will be used to establish a foundation for Plan development.

END PRODUCT:

A final documented Title VI and LEP Plan for the SMTC planning area.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: SMTC	FHWA (PL) \$ 10,800 FTA (Sec. 5303) \$ 1,200		
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	TOTAL \$ 12,000		

UPWP TASK NO:	3Y
TASK TITLE:	Transportation Infrastructure Financing Research

OBJECTIVE: To provide general research into financing and sustaining transportation infrastructure, including non-traditional or private options to finance expanding or rehabilitating infrastructure

METHODOLOGY:

Federal, state, county and local dollars for transportation infrastructure are increasingly scarce and the ability to finance even routine maintenance of existing roads, bridges and transit systems is becoming difficult. Research into new methods of planning and financing infrastructure investment and re-investment may help many local communities plan for long-term needs and make sure that those that are benefitting most from the investments are the entities paying for the investments. One or more of the following concepts to potentially examine include but are not limited to:

- Use of Impact Fees;
- Transportation Improvement Districts/Special Taxing Districts; and
- Private Sector and/or Alternative Local Financing options.

END PRODUCT:

A final document or PowerPoint file that details the findings and potential options.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: SOCPA Participating Agencies: SMTC, SMTC Member Agencies, Other	FHWA (PL) \$ 10,800 FTA (Sec. 5303) \$ 1,200		
Agencies as Appropriate	TOTAL \$ 12,000		

UPWP TASK NO:	3Z
TASK TITLE:	Roundabout Feasibility Analysis

OBJECTIVE: To provide technical services to member agencies regarding the appropriateness of roundabouts at intersections.

METHODOLOGY:

Roundabouts are an increasingly popular intersection design around the country. Currently, there are no modern roundabouts in the SMTC planning area. They are more difficult to design than a typical intersection and require public outreach to educate the public on their implementation and potential safety benefits.

This project will provide assistance in the development of a roundabout planning assessment and feasibility study for various locations. Feasibility analysis is limited to intersection operational conditions if a roundabout is constructed.

Note: No FTA monies will be used for the contractual portion of this project.

END PRODUCT:

A final document containing the technical analysis findings for the appropriateness of a roundabout at a given intersection.

Requesting / Participating Agencies:	Func	Funding Sources:			
On Behalf Of: City of Syracuse	FHWA (PL)	\$	<i>014-2015</i> 42,000		
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303)	\$	0		
	TOTAL	\$	42,000		

UPWP TASK NO:	3AA
TASK TITLE:	Complete Streets Analysis

OBJECTIVE:

To provide advice, recommendations, and potentially small studies to member agencies and municipalities who wish to conduct a complete street analysis on discrete blocks, or smaller specific areas.

METHODOLOGY:

The intent of this technical analysis is to allow SMTC staff to provide assistance when requested by member agencies or municipalities. Many of the smaller municipalities in the SMTC planning area do not have the capacity to undertake Complete Streets analysis and design. Technical assistance would be for small projects where the scope does not necessitate a full corridor study or individual planning project.

Specific elements of this effort include:

- Data collection (turning movement and volume counts, geometry, signal phasing);
- Public input with facility owner and stakeholders via small working group meetings; and
- Recommended planning level designs.

END PRODUCT:

A final document that outlines the conditions, needs, and recommendations.

Requesting / Participating Agencies:	Funding Sources:		
On Behalf Of: City of Syracuse	FHWA (PL) \$ 22,500		
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303) \$ 2,500		
Agenetes as Appropriate	TOTAL \$ \(\frac{25,000}{}{}		

UPWP TASK NO:	3BB
TASK TITLE:	Bridge Decommissioning Study

To analyze various options available for municipalities to address the long-term fiscal **OBJECTIVE:**

impacts of maintaining, reconstructing, or removing bridges.

METHODOLOGY:

Given the fiscal realities of limited funding for transportation investments and the vast and aging infrastructure within the area, prioritizing capital improvements can be daunting. One aspect of the transportation system that may need re-evaluation is the number of bridges in the area, particularly those that may carry few vehicles and would have a short detour route.

This study will:

- Examine construction and maintenance costs; and
- Create a "decision tree" to help guide municipalities toward selecting an appropriate alternative.

END PRODUCT:

A final document that details fiscal impacts to a municipality and a procedure for determining appropriate work activity.

Requesting / Participating Agencies:	Func	Funding Sources:				
On Behalf Of: City of Syracuse	FHWA (PL)	\$	2014-2015 22,500			
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303)	\$	2,500			
	TOTAL	\$	25,000			

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4. TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

4A. TIP Development and Maintenance

UPWP TASK NO:	4A
TASK TITLE:	TIP Development and Maintenance

OBJECTIVE:

Maintain and update the Transportation Improvement Program (TIP). Activities for this project will also ensure that the TIP is in compliance with all federal and state requirements.

METHODOLOGY:

The current TIP will be maintained, amended, and updated as necessary, in cooperation with the New York State Department of Transportation (NYSDOT), units of local government, and the Central New York Regional Transportation Authority (CNYRTA).

END PRODUCT:

A Transportation Improvement Program that is maintained, kept up to date and in compliance with all Federal and State requirements.

Requesting / Participating Agencies:	Fund	Funding Sources:					
On Behalf Of: SMTC	FHWA (PL)	\$	20,000				
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303)	\$	5,000				
	TOTAL	\$	25,000				

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5. OTHER ACTIVITIES

5A. Miscellaneous Activities and Special Technical Assistance

UPWP TASK NO:		5A
TASK TITLE:		Miscellaneous Activities and Special Technical Assistance
I OBOLCII IL.	sk covers miscellaneous projects that are assigned from time to time, both short- nd infrequent long-term projects that do not warrant individual UPWP projects.	

Additionally, this task provides for special technical assistance to member agencies, local

METHODOLOGY:

From time-to-time, miscellaneous projects are assigned to staff. Many are one time studies or reports, while other tasks are more long-term in nature, and are infrequent enough or so limited in scope of MPO participation, and, therefore, do not warrant a separate UPWP project.

governments, and other agencies and/or organizations as appropriate.

Tasks may include such activities as participation in various New York State MPO statewide initiatives, and reviewing proposed Federal regulations.

This task also allows the SMTC to provide technical assistance to member agencies, local governments, and other agencies/organizations which were not foreseen or known during the preparation of the annual UPWP.

END PRODUCT:

Various activities, technical assistance, research, analysis, published documents, memoranda, brief reports, etc., as appropriate.

Requesting / Participating Agencies:	Funding Sources:
On Behalf Of: SMTC	FHWA (PL) \$ 20,033
Participating Agencies: SMTC, SMTC Member Agencies, Other Agencies as Appropriate	FTA (Sec. 5303) \$ 5,608
	TOTAL \$ 25,641

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6. **BUDGET TABLES**

2014-2015

- TABLE 1 SUMMARY BUDGET
- TABLE 2 SUMMARY BUDGET FEDERAL PROGRAMS ONLY
- TABLE 3 FHWA BUDGETS
- TABLE 4 FTA BUDGETS
- TABLE 5 TOTAL AUDITABLE BUDGET
- TABLE 6 STATE PLANNING & RESEARCH FUNDING

TABLE 1

2014 - 2015 SUMMARY BUDGET

	TASK BUDGET								
	TASK				FUNDING S	OURCE			
		F11114 P1				Total Non-	0	Lord	
ID	Category Program Administration and Support (44.21.00)	FHWA - PL	FTA	FTA %	Total Federal	Federal	State	Local	Total
1. A.	General Administration	\$172,500	\$57,500	25%	\$230,000	\$57,500	\$43,125	\$14,375	\$287,500
В.	Public Participation	\$15,000	\$5,000	25%	\$20,000	\$5,000	\$3,750	\$1,250	\$25,000
C.	Federal Transportation Legislation Examination and Evaluation	\$2,500	\$2,500	50%	\$5,000	\$1,250	\$938	\$313	\$6,250
D.	UPWP Previous Year Closeouts	\$7,000	\$0	0%	\$7,000	\$1,750	\$1,313	\$438	\$8,750
E.	UPWP Maintenance and Development	\$7,500	\$2,500	25%	\$10,000	\$2,500	\$1,875	\$625	\$12,500
	Total Program Administration and Support	\$204,500	\$67,500	25%	\$272,000	\$68,000	\$51,000	\$17,000	\$340,000
2.	Short-Range Transportation Planning (44.24.00)								
A.	Census Data Compilation and/or Analysis	\$7,500	\$2,500	25%	\$10,000	\$2,500	\$1,875	\$625	\$12,500
B.	Data Collection, Compilation and/or Analysis	\$38,000	\$0	0%	\$38,000	\$9,500	\$7,125	\$2,375	\$47,500
C.	Functional Classification System Review	\$10,000	\$0	0%	\$10,000	\$2,500	\$1,875	\$625	\$12,500
D.	Geographic Information Systems - SMTC	\$18,750	\$6,250	25%	\$25,000	\$6,250	\$4,688	\$1,563	\$31,250
E.	Geographic Information Systems - Member Agency Assistance	\$15,000	\$5,000	25%	\$20,000	\$5,000	\$3,750	\$1,250	\$25,000
	Total Short-Range Transportation Planning	\$89,250	\$13,750	13%	\$103,000	\$25,750	\$19,313	\$6,438	\$128,750
3.	Long Range Transportation Planning (44.23.02)								
A.	Air Quality, Conformity and Energy	\$3,750	\$1,250	25%	\$5,000	\$1,250	\$938	\$313	\$6,250
B.	Bicycle/Pedestrian Planning Printers and Devemont Condition Management System (RBCMS)	\$32,000	\$0	0%	\$32,000	\$8,000	\$6,000	\$2,000	\$40,000
C.	Bridge and Pavement Condition Management System (BPCMS) I-81 NEPA Involvement	\$8,000	\$2,000	20%	\$10,000	\$2,500	\$1,875	\$625	\$12,500
E.	I-81 Travel Demand Modeling Project	\$16,000	\$4,000	20%	\$20,000	\$5,000	\$3,750	\$1,250	\$25,000
F.	MPO Area Regional Planning Initiatives	\$40,000	\$0	0%	\$40,000	\$10,000	\$7,500	\$2,500	\$50,000
G.	Long-Range Transportation Plan	\$20,000	\$0	0%	\$20,000	\$5,000	\$3,750	\$1,250	\$25,000
Н.	Rail, Truck and Transit Planning	\$60,000 \$24,000	\$0	20%	\$60,000	\$15,000	\$11,250	\$3,750	\$75,000
H.	Traffic Safety	\$4,800	\$6,000 \$1,200	20%	\$30,000	\$7,500 \$1,500	\$5,625 \$1,125	\$1,875 \$375	\$37,500
J.	Travel Demand Modeling	\$44,329	\$1,082	20%	\$6,000 \$55,411	\$1,853	\$1,125	\$3,463	\$7,500 \$69,264
K.	Erie Canalway Trail	\$12,000	\$3,000	20%	\$15,000	\$3,750	\$2,813	\$938	\$18,750
L.	Onondaga County Sustainable Streets Initiative	\$40,000	\$0	0%	\$40,000	\$10,000	\$7,500	\$2,500	\$50,000
M.	City of Syracuse Wayfinding Study - Phase 2	\$8,000	\$2,000	20%	\$10,000	\$2,500	\$1,875	\$625	\$12,500
N.	Butternut Street Corridor Study	\$32,000	\$8,000	20%	\$40,000	\$10,000	\$7,500	\$2,500	\$50,000
0.	Town of Geddes Bike/Ped Access Evaluation	\$16,000	\$4,000	20%	\$20,000	\$5,000	\$3,750	\$1,250	\$25,000
P.	Transportation Information Assembly and Public Access Project	\$20,000	\$5,000	20%	\$25,000	\$6,250	\$4,688	\$1,563	\$31,250
Q.	Synchro/HCS Training	\$35,000	\$0	0%	\$35,000	\$8,750	\$6,563	\$2,188	\$43,750
R.	ITS Strategic Plan Update	\$8,000	\$2,000	20%	\$10,000	\$2,500	\$1,875	\$625	\$12,500
	Syracuse Metropolitan Area Regional Transit Study Ph. 1								
S.	Taura of Lucandas Compunhación Directivadas Accidentes	\$90,000	\$30,000	25%	\$120,000	\$30,000	\$22,500	\$7,500	\$150,000
T.	Town of Lysander Comprehensive Plan Update Assistance	\$32,000	\$8,000	20%	\$40,000	\$10,000	\$7,500	\$2,500	\$50,000
U.	Church Street Realignment	\$32,000	\$8,000	20%	\$40,000	\$10,000	\$7,500	\$2,500	\$50,000
v.	Erie Boulevard East Pedestrian Accommodation Corridor Study	\$52,000	\$13,000	20%	\$65,000	\$16,250	\$12,188	\$4,063	\$81,250
	Bicycle & Pedestrian Safety Outreach	827.000	g2 000	400/	****	87.500	85.005	64.075	407.500
W.	Title VI & LEP Plan for SMTC MPA	\$27,000	\$3,000	10%	\$30,000	\$7,500	\$5,625	\$1,875	\$37,500
Χ.		\$10,800	\$1,200	10%	\$12,000	\$3,000	\$2,250	\$750	\$15,000
Υ.	Transportation Infrastructure Financing Research	\$10,800	\$1,200	10%	\$12,000	\$3,000	\$2,250	\$750	\$15,000
Z.	Roundabout Feasibility Analysis	\$42,000	\$0	0%	\$42,000	\$10,500	\$7,875	\$2,625	\$52,500
AA.	Complete Streets Technical Analysis	\$22,500	\$2,500	10%	\$25,000	\$6,250	\$4,688	\$1,563	\$31,250
BB.	Bridge Decommissioning Study	\$22,500	\$2,500	10%	\$25,000	\$6,250	\$4,688	\$1,563	\$31,250
	Total Long-Range Transportation Planning	\$765,479	\$118,932	13%	\$884,411	\$221,103	\$165,827	\$55,276	\$1,105,513
4	Transportation Improvement Program (TIP) (44.25.00)								
Α.	TIP Development & Maintenance	\$20,000	\$5,000	20%	\$25,000	\$6,250	\$4,688	\$1,563	\$31,250
	Total Transportation Improvement Program	\$20,000	\$5,000	20%	\$25,000	\$6,250	\$4,688	\$1,563	\$31,250
5.	Other Activities (44.27.00)								
A.	Miscellaneous Activities and Special Technical Assistance	\$20,033	\$5,608	22%	\$25,641	\$6,410	\$4,808	\$1,603	\$32,051
	Total Other Activities	\$20,033	\$5,608	22%	\$25,641	\$6,410	\$4,808	\$1,603	\$32,051
	Grand Total FHWA PL & FTA MPP Funds	\$1,099,262	\$210,790	16%	\$1,310,052	\$327,513	\$245,635	\$81,878	\$1,637,565
	Grand Total - All Fund Sources				\$1,310,052				\$1,637,565

TABLE 2 2014 - 2015 SUMMARY BUDGET FEDERAL PROGRAM ONLY

	TASK BUDGET										
	TASK		FUNDI	NG SOUR	CE		RESPONSIBILITY				
ID	Task	FHWA - PL	FTA	State	Local	Total	Staff	CNY RPDB	State*	Local	Total
44.21.00	Program Administration and Support	\$204,500	\$67,500	\$51,000	\$17,000	\$340,000	\$192,000	\$80,000	\$51,000	\$17,000	\$340,000
44.24.00	Short-Range Transportation Planning	\$89,250	\$13,750	\$19,313	\$6,438	\$128,750	\$103,000	\$0	\$19,313	\$6,438	\$128,750
44.23.02	Long-Range Transportation Planning	\$765,479	\$118,932	\$165,827	\$55,276	\$1,105,514	\$884,411	\$0	\$165,827	\$55,276	\$1,105,514
44.25.00	Transportation Improvement Program	\$20,000	\$5,000	\$4,688	\$1,563	\$31,250	\$25,000	\$0	\$4,688	\$1,563	\$31,250
44.27.00	Other Activities	\$20,033	\$5,608	\$4,808	\$1,603	\$32,051	\$25,641	\$0	\$4,808	\$1,603	\$32,051
	Total	\$1,099,262	\$210,790	\$245,635	\$81,878	\$1,637,565	\$1,230,052	\$80,000	\$245,635	\$81,878	\$1,637,565
		\$1,310,052		\$327,513 \$1,637,565		5 \$1,310,052		\$327,513		\$1,637,565	

	AUDIT BUDGET								
ID	Category	Staff	CNY RPDB	State	Local	Total			
44.20.01	Salaries	\$599,319		\$18,141		\$617,460			
44.20.02	Fringe	\$224,559		\$5,573		\$230,132			
44.20.03	Travel	\$14,000				\$14,000			
44.20.04	Equipment	\$18,200				\$18,200			
44.20.05	Supplies	\$12,000				\$12,000			
44.20.06	Contractual	\$266,511	\$80,000		\$81,878	\$428,389			
44.20.07	Other	\$20,562				\$20,562			
44.20.08	Indirect	\$74,900		\$15,809		\$90,709			
xx.xx.xx	Toll Credits*			\$206,112		\$206,112			
	Total	\$1,230,052	\$80,000	\$245,635	\$81,878	\$1,637,565			
		\$1,310,052		\$327,	513	\$1,637,565			
		\$1,310,052				\$1,637,565			

The NYSDOT non-federal share is provided via Toll Credits for FHWA PL costs and as an In-Kind Service for FTA MPP costs.

TABLE 3 2014 - 2015 SUMMARY BUDGET FHWA - PL BUDGET

	TASK BUDGET									
ID	Task	Total	FHWA - PL	Staff	CNY RPDB	State*	Local			
44.21.00	Program Administration and Support	\$255,625	\$204,500	\$144,353	\$60,147	\$38,344	\$12,781			
44.24.00	Short-Range Transportation Planning	\$111,563	\$89,250	\$89,250		\$16,734	\$5,578			
44.23.02	Long-Range Transportation Planning	\$956,849	\$765,479	\$765,479		\$143,527	\$47,842			
44.25.00	Transportation Improvement Program	\$25,000	\$20,000	\$20,000		\$3,750	\$1,250			
44.27.00	Other Activities	\$25,041	\$20,033	\$20,033		\$3,756	\$1,252			
	Total	\$1,374,078	\$1,099,262	\$1,039,115	\$60,147	\$206,112	\$68,704			

\$1,374,078	\$1,039,115	\$60,147	\$206,112	\$68,704			
	\$1,374,078						

AUDIT BUDGET ID Category Total Staff CNY RPDB State Local

ID	Category	Total	Staff	CNY RPDB	State	Local
44.20.01	Salaries	\$506,289	\$506,289			
44.20.02	Fringe	\$189,702	\$189,702			
44.20.03	Travel	\$11,827	\$11,827			
44.20.04	Equipment	\$15,375	\$15,375			
44.20.05	Supplies	\$10,137	\$10,137			
44.20.06	Contractual	\$353,992	\$225,141	\$60,147		\$68,704
44.20.07	Other	\$17,370	\$17,370			
44.20.08	Indirect	\$63,274	\$63,274			
XX.XX.XX	Toll Credits *	\$206,112			\$206,112	
	Total	\$1,374,078	\$1,039,115	\$60,147	\$206,112	\$68,704

	\$1,374,078	\$1,039,115	\$60,147	\$206,112	\$68,704
NYSDOT provides it's share of the non-federal match via Toll Credits			\$1,374,07	78	

TABLE 4 2014 - 2015 SUMMARY BUDGET FTA BUDGET

	TASK BUDGET						
ID	Task	Total	FTA	Staff	CNY RPDB	State*	Local
44.21.00	Program Administration and Support	\$84,375	\$67,500	\$47,647	\$19,853	\$12,656	\$4,219
44.24.00	Short-Range Transportation Planning	\$17,188	\$13,750	\$13,750		\$2,578	\$859
44.23.02	Long-Range Transportation Planning	\$148,665	\$118,932	\$118,932		\$22,300	\$7,433
44.25.00	Transportation Improvement Program	\$6,250	\$5,000	\$5,000		\$938	\$313
44.27.00	Other Activities	\$7,010	\$5,608	\$5,608		\$1,052	\$351
	Total	\$263,488	\$210,790	\$190,937	\$19,853	\$39,523	\$13,174

\$263,488	\$210,790	\$190,937	\$19,853	\$39,523	\$13,174
			\$263	3,488	

	AUDIT BUDGET					
ID	Category	Total	Staff	CNY RPDB	State	Local
44.20.01	Salaries	\$111,172	\$93,030		\$18,141	
44.20.02	Fringe	\$40,430	\$34,858		\$5,573	
44.20.03	Travel	\$2,173	\$2,173			
44.20.04	Equipment	\$2,825	\$2,825			
44.20.05	Supplies	\$1,863	\$1,863			
44.20.06	Contractual	\$74,397	\$41,370	\$19,853		\$13,174
44.20.07	Other	\$3,192	\$3,192			
44.20.08	Indirect	\$27,436	\$11,626		\$15,809	
XX.XX.XX	Toll Credits	\$0				
	Total	\$263,488	\$190,937	\$19,853	\$39,523	\$13,174

\$263,488	\$190,937	\$19,853	\$39,523	\$13,174					
		\$263,488							

TABLE 5
2014 - 2015 SUMMARY BUDGET
TOTAL AUDITABLE BUDGET

	AUDIT BUDGET						
ID	Category	Total	Staff	CNY RPDB	State*	Local	
44.20.01	Salaries	\$617,460	\$599,319		\$18,141		
44.20.02	Fringe	\$230,132	\$224,559		\$5,573		
44.20.03	Travel	\$14,000	\$14,000				
44.20.04	Equipment	\$18,200	\$18,200				
44.20.05	Supplies	\$12,000	\$12,000				
44.20.06	Contractual	\$428,389	\$266,511	\$80,000		\$81,878	
44.20.07	Other	\$20,562	\$20,562				
44.20.08	Indirect	\$90,709	\$74,900		\$15,809		
XX.XX.XX	Toll Credits	\$206,112			\$206,112		
	Total	\$1,637,565	\$1,230,052	\$80,000	\$245,635	\$81,878	

\$1,637,565	\$1,230,052	\$80,000	\$245,635	\$81,878
		\$1,637,	565	

^{*} The NYSDOT non-federal share is provided via Toll Credits for FHWA PL costs and

as an In-Kind Service for FTA MPP costs.

TABLE 6 2014 - 2015 State Planning and Research Funding

	TASK BUDGET						
	TASK	FUNE	ING SOUR	CE	RESPO	RESPONSIBILITY	
ID	Task	NYSDOT - SPR	FHWA - SPR	Total	Staff	Total	
44.21.00	Program Administration and Support	\$0	\$0	\$0	\$0	\$0	
44.24.00	Short-Range Transportation Planning	\$0	\$0	\$0	\$0	\$0	
44.23.02	Long-Range Transportation Planning	\$32,000	\$128,000	\$160,000	\$160,000	\$160,000	
44.25.00	Transportation Improvement Program	\$0	\$0	\$0	\$0	\$0	
44.27.00	Other Activities	\$0	\$0	\$0	\$0	\$0	
	Total	\$32,000	\$128,000	\$160,000	\$160,000	\$160,000	
	\$160,000		\$160,000	\$160,000	\$160,000		

* Note: CDD Dudget in for a total multi	year SPR project not broken down by year
INDIE. SEK BUUGELIS IDI A IDIAI IIIUILI-	year SER project not broken down by year

	AUDIT BUDGET				
ID	Category	Staff	CNY RPDB	Total	
44.20.01	Salaries	\$0	\$0	\$0	
44.20.02	Fringe	\$0	\$0	\$0	
44.20.03	Travel	\$0	\$0	\$0	
44.20.04	Equipment	\$0	\$0	\$0	
44.20.05	Supplies	\$0	\$0	\$0	
44.20.06	Contractual	\$160,000	\$0	\$160,000	
44.20.07	Other	\$0	\$0	\$0	
44.20.08	Indirect	\$0	\$0	\$0	
	Total	\$160,000	\$0	\$160,000	
		\$160,0	000	\$160,000	
		\$160,6	000	\$160,000	

UNIFIED PLANNING WORK PROGRAM

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APPENDICES

Appendix A: Other Significant Federally Funded Transportation Planning Activities - SPR

OTHER SIGNIFICANT FEDERALLY FUNDED TRANSPORTATION PLANNING ACTIVITIES

In addition to the projects included in the SMTC's program, other federal inverstment in transportation exists in the region. A significant effort is being undertaken by the NYSDOT for the future of the I-81 corridor, particularly the elevated components in the city. This effort is being closely coordinated with the SMTC and is tied into two key SMTC efforts: The I-81 Public Participation Project (now complete) and the I-81 Travel Demand Modeling Project (in progress).

Also included in this section are the listing of Metropolitan Area NYSDOT SPR investments related to transportation planning in New York State.

SPR Funded Projects that Impact Metropolitan Areas

	SPR Part 1 Project List Matronolitan Area	ac		
SPR#	SPR Part 1 Project List - Metropolitan Area	AS Begin/End Date	SPR Funding	Short Description
CDTC	Region 1			•
C-07-69	I-87 / Rt. 9 Corridor Management Feasibility Study	Dec.2010 - May 2014	\$500,000	Identify and evaluate opportunities to strengthen/enhance our Incident Management capability in the I/87/Route US 9 Corridor between Exit 4 and Exit 15. This project is almost complete.
HOCTS	Region 2			
SMTC	Region 3			Investigate the need for transportation improvements to 10.69 miles of Interstate 81 between I
C-07-70	I-81 Corridor Study & Project Scoping	Oct. 2009 - June 2014	\$2,000,000	481/I-81 interchanges (Exits 16A & 29). A portion of these funds have been directed to SMTC for I-81 modeling and support work.
GTC	Region 4			
C-13-53	Rochester Area Bike Sharing Program Study	April 2013 - Oct. 2014	\$75,000	Study the feasibility of a bike sharing program to serve the City of Rochester and the Rochester Transportation Management Area (TMA) which includes all of Monroe County and the adjacent developed areas of Livingston, Ontario, and Wayne counties.
GBNRTC	Region 5			
C-13-51	Buffalo's Bicycle Master Plan	April 2013 - April 2014	\$75,000	With the City of Buffalo and the Complete Streets Coalition to develop a Bicycle Master Plan that will be integrated into and consistent with current planning initiatives such as the Buffalo Green Code and One Region Forward.
ECTC	Region 6			
Mid-Hudson M	POs (3) - Region 8			
C-11-58	Continuation with Interoperable Coordinated Signal System (ICSS) Deployment	Mar. 2012 - Nov.2013	\$51,375	The goal of this project is to provide remote workstations at the CWP Police Department and NYSDOT Region 8 facilities to enable this monitoring on a more cost-effective basis than if CWP moved to a 24/7 operation.
NYMTC	Regions 8, 10 and 11 as applicable			
Projects commo	n to multiple or all MPOs			
C-07-74	Mohawk-Erie Multimodal Transportation Corridor Study	Sept. 2009 - Dec.2013	\$3,100,000	Formulate a strategic plan of broad, programmatic, and policy solutions to address transportation infrastructure and/or operational improvements needed to accommodate projected demand in the corridor and to formulate a Mohawk-Erie corridor long-term vision
C-08-71	Strategic TDM and Commuter Choice Service Planning	2014	\$1,500,000	This term agreement contract shall provide for Transportation Demand Management (TDM) and Commuter Choice service planning and actions throughout the state. These actions will enhance mobility, reduced single occupant vehicle use and vehicle miles of travel, reduced highway traffic congestion, and reduce the emission of greenhouse gases.
C-08-72	Climate Change Technical Assistance Program	Dec.2008 - Dec.2013	\$50,000	Pooled fund study - Secure timely information, tools, and technical assistance needed to be pro-actively engaged in the development of policy and programs related to climate change.
C-09-53	Traffic count Program Zones 3 [Regions 10, 11]	Dec.2009 - Dec. 2014	\$1,625,000	Continuous count programs with full performance based maintenance and upgrade services to provide better coverage, distribution, and differentiation by functional classification of roadway, geographic area, and seasonality of traffic patterns.
C-10-52	Southern Tier West (STW) - Appalachian Regional Council (ARC) Local Road Scoring System	Aug. 2011 - Dec. 2013	\$70,000	To support the Department's rural planning the Southern Tier West Regional Planning and Development Board (STWRPB) will initiate a standardized road scoring system, compatible to the NYSDOT process, in the localities of the Southern Tier West (STW) region.
C-11-51	Traffic Count Program Zone 1 [Regions 1,2,7,8,9]	June 2011 - June 2016	\$1,309,448	Continuous count programs with full performance based maintenance and upgrade services to provide better coverage, distribution, and differentiation by functional classification of roadway, geographic area, and seasonality of traffic patterns.
C-11-52	Traffic Count Program Zone 2 [Regions 3,4,5,6]	June 2011 - June 2016	\$1,187,184	Continuous count programs with full performance based maintenance and upgrade services to provide better coverage, distribution, and differentiation by functional classification of roadway, geographic area, and seasonality of traffic patterns.
C-11-55	Zone 1, Short-Term Traffic Data Collection Program (2012 -2016) [Regions 1, 9]	Sept.2012 - June 2015	\$900,000	The short-term traffic data collection program is comprised of inventory counts taken on federal, state and local owned roads both on and off the federal aid highway system (FAHS), principal arterial system (PAS) ramps, and special counts. This project is to provide for the collection of traffic data in Zone 1, Regions 1 and 9.
C-11-56	Zone 2, Short-Term Traffic Data Collection Program (2012 -2016) [Regions 2, 3, 7]	Sept.2012 - June 2015	\$3,250,000	The short-term traffic data collection program is comprised of inventory counts taken on federal, state and local owned roads both on and off the federal aid highway system (FAHS), principal arterial system (PAS) ramps, and special counts. This project is to provide for the collection of traffic data in Zone 2, Regions 2, 3 and 7.
C-11-57	Zone 3, Short-Term Traffic Data Collection Program (2012 -2016) [Regions 4, 5, 6]	Sept.2012 - June 2015	\$3,675,000	The short-term traffic data collection program is comprised of inventory counts taken on federal, state and local owned roads both on and off the federal aid highway system (FAHS), principal arterial system (PAS) ramps, and special counts. This project is to provide for the collection of traffic data in Zone 3, Regions 4, 5 and 6.
C-12-51	Safety Data Warehouse Business Case Development	June 2012 - Dec.2013	\$250,000	Develop a strategic vision and business case which would inform the Department of Transportation and its partner agencies of the feasibility and benefit/cost of initiating a project to create a more reliable, consistent and timely dataset for all crash data consumers by consolidating the data and resources of several State agencies.
C-11-54	Road Weather Information System (RWIS) Statewide Implementation Plan	May 2012 - Aug. 2014	\$161,625	A detailed plan for the deployment of a statewide Road Weather Information System (RWIS) to support both current NYSDOT operations and NYSDOT's future use of a Maintenance Decision Support System (MDSS).
C-12-52	VMT Base-line Traffic Count Project	May 2013 - Sept. 2015	\$3,150,000	The goal of this project is to collect a sampling of geographically-distributed traffic count data on lower level (i.e., non-Federal Aid eligible) streets and roads to facilitate the development of accurate Vehicle Miles of Travel (VMT) estimates for these roads at reasonably low levels of stratification (such as by county and urban area).
C-12-54	GIS Network Creation (5 Counties)	Feb.2013 - Dec. 2013	\$100,000	The goal of this project is to construct an intelligent GIS Roadway Network for all public roads in 4 counties of the Capital District Area of NY State. These counties are Albany, Schenectady, Saratoga and Warren. The network road segments will be consistent with the Departments Roadway Inventory System (RIS).
C-13-54	Statewide Coordination of Metropolitan Planning Programs	April 2013 - April 2014	\$100,000	The goal of this project is to support and maintain the ongoing coordination of the metropolitan planning programs in NYS for statewide benefit; the ongoing collaboration of the thirteen (13) metropolitan planning organizations (MPOs); and the on-going coordination of metropolitan and statewide planning programs.
C-13-56	Statewide GIS Network Creation	Mar. 2014 - Mar.2017	\$3,500,000	The goal of this project is to construct an intelligent GIS Roadway Network for all public roads in NYS. The project is a result of the August 7, 2012 FHWA directive mandating the submittal of a Statewide GIS Network file matching the annual HPMS report to FHWA.
C-13-57	Highway Oversize/Overweight Credentialing System (HOOCS)	Oct. 2013 - Sept. 2016	\$5,000,000	The goal is to implement a Commercial Off-the-Shelf (COTS) HOOCS software solution and obtain the accompanying integration services necessary to fulfill NYSDOT's Central Permitting Bureau's business requirements.
C-13-59	Program & Project Management Software and Training	Nov. 2013 - Nov.2014	\$2,000,000	The goal of this project is to provide enhanced and improved enterprise level program and project management software and hardware to facilitate improvements to the capital program delivery. Partner with the consultant, Oracle, on development of Primavera Critical Path Method scheduling software, and Oracle Primavera Portfolio Manager Programming software.

SMTC SPR FUNDING:

Funding for the SMTC's efforts towards the I-81 Travel Demand Modeling Project is being supplemented with federal SPR funds by the NYSDOT. The SPR monies being supplemented by the NYSDOT are anticipated to be spent on contractual items for the most part but may offset some staff costs if required in the future. Project descriptions for this effort follows.

I-81 Travel Demand Modeling Project:

The SMTC will utilize its Travel Demand Model to evaluate different alternative scenarios for the I-81 Viaduct Project in the MPO area with the goal being to demonstrate the traffic impacts/projections of those scenarios on both the state and local transportation systems. This will be performed in such a way that preservation of the integrity of the transportation system is assured and sound mobility and reliability measures will be utilized.

The major elements of this effort are to:

- Refine the SMTC's travel demand model in order to improve its validity; and
- Use the travel demand model to evaluate various potential concepts for the I-81 corridor (and permutations of those concepts), based on:
 - impacts to the transportation network of the greater metropolitan region; and
 - impacts to regional interstate access and general mobility, with an emphasis on the movement of goods and people, and with a keen awareness of regional air quality implications.