

OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

FFY 2011 UNIFIED PLANNING WORK PROGRAM

ENDORSED ON AUGUST 24, 2010



Prepared By:
Old Colony Planning Council
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Prepared For:
Transportation and
Transportation Related
Planning Activities From
October 1, 2010 through
September 30, 2011

Prepared Under:
UPWP Task 1200

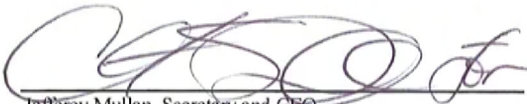


This Unified Planning Work Program (UPWP) was prepared in cooperation with the Massachusetts Department of Transportation (#0052455), the Federal Highway Administration, and the Federal Transit Administration.

FFY 2011 Unified Planning Work Program

Endorsement of FFY 2011 Unified Planning Work Program

This is to certify that the Signatories of the Old Colony Metropolitan Planning Organization, at their Old Colony MPO meeting on August 24, 2010, hereby approved and endorsed the FFY 2011 Unified Planning Work Program (UPWP) in its entirety for the Old Colony Region, in accordance with the certified 3C Transportation Planning Process.



Jeffrey Mullan, Secretary and CEO
Massachusetts Department of Transportation

24 Aug 10

Date

Linda Balzotti, Mayor
City of Brockton

Date



Luisa M. Paiewonsky, Highway Administrator
Massachusetts Department of Transportation

8/24/10

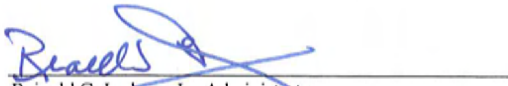
Date



William Hallisey, Jr., Chairman
Town of Plymouth Board of Selectmen

8/24/10

Date



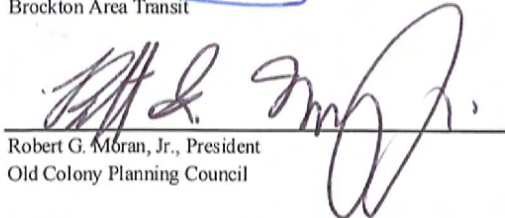
Reinald G. Ledoux, Jr., Administrator
Brockton Area Transit

8.24.10

Date

Joseph A. Freitas
Town of Plympton Board of Selectmen

Date



Robert G. Moran, Jr., President
Old Colony Planning Council

8.24.10

Date



Daniel Salvucci
Town of Whitman Board of Selectmen

8/24/10

Date

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OLD COLONY METROPOLITAN PLANNING ORGANIZATION

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INTRODUCTION

The Old Colony Metropolitan Planning Organization (MPO) is responsible for conducting a continuing, cooperative, and comprehensive transportation planning process that results in plans and programs that consider all transportation modes and that support the metropolitan and communities' goals. The Old Colony MPO must plan for the movement of both people and goods within the Region by all modes of travel, including highways, rail, public transportation, bicycles, and foot. It also plans for the connections linking these modes.

The FFY 2011 Unified Planning Work Program (UPWP) for the Old Colony MPO describes and provides budgetary information for the transportation planning tasks and activities, which are to be conducted in the region during the coming year. The Unified Planning Work Program is a federally required certification document, which must be prepared and endorsed annually by the Old Colony Metropolitan Planning Organization, prior to the start of the planning program. The Old Colony Planning Council has the responsibility of preparing the Unified Planning Work Program and conducting the tasks contained here within. The planning activities are organized first by work element in a format that will allow efficient administration, management, and reporting.

The FFY 2011 Unified Planning Work Program describes the work to be accomplished by the Old Colony Metropolitan Planning Organization. Each transportation planning activity is described as a procedure under specific work tasks. For each procedure, the anticipated accomplishment or product and the estimated work force resources needed are provided. For each work task, the total staffing requirements, task budget, and sources of funding are also provided. For convenience in management, similar work tasks are grouped into broad areas or elements as follows:

- 1000 Management and Support of the Planning Process and Certification Activities
- 2000 Data Reconnaissance, Acquisition, and Analysis Activities
- 3000 Short Range and Long Range Transportation Planning Activities
- 4000 Other Transportation Technical Activities

The Unified Planning Work Program is a budgeting tool that is used by Old Colony Planning Council, Federal Highway Administration, Federal Transit Administration, Brockton Area Transit, and Massachusetts Department of Transportation as the Scope of Service for the contract for planning services and can be amended during the program year with approval of the Old Colony Metropolitan Planning Organization.

Population growth and the associated travel demand continue to place pressure on the transportation system in the Old Colony Region. The Regional Transportation Plan (RTP) represents the Old Colony MPO's effort to create a document and a process that will meet the challenges of preserving and expanding a truly intermodal transportation system. Following the directives of the law, it includes goals and policies, analyses and recommendations necessary to build and maintain an efficient, effective, and affordable regional transportation system. It is the intention of the Old Colony MPO to build on the current system, working to make it comprehensive and fully integrated. The goal is a balanced range of well-connected transportation options that will use the best of each travel mode: automobile, transit, rail, bicycle, and pedestrian, boat, air, and truck. The RTP identifies the region's transportation project needs for the next twenty years. The principal way in which Regional Transportation Plan recommendations will be translated into action is through the Transportation Improvement Program (TIP). The TIP is a multimodal list of projects for which federal surface transportation funds will be used. The TIP covers a four-year period and is updated every year. It must be based on a reasonable estimate of funds that will be made available to the region.

This year's Unified Planning Work Program continues to expand on several major tasks that are specifically targeted to implement provisions of several pieces of federal legislations, such as the Safe, Accountable, Flexible, and Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), the Clean Air Act Amendments of 1990, and the Americans with Disabilities Act. The federal transportation act, the SAFETEA-LU identifies eight (8) planning factors that Metropolitan Planning Organizations, such as the Old Colony MPO, must consider in their Unified Planning Work Programs. These general planning factors are:

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1. **Economic Vitality** – Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity and efficiency;
2. **Safety** – Increase the safety of the transportation system for motorized and nonmotorized users;
3. **Security** – Increase the security of the transportation system for motorized and nonmotorized users;
4. **Mobility** – Increase the accessibility and mobility of people and freight;
5. **Environment** – Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and state and local planned growth and economic development patterns;
6. **System Integration** – Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
7. **System Management** – Promote efficient system management and operation, and;
8. **System Preservation** – Emphasize preservation of the existing transportation system.

This year's UPWP efforts focus on the development, the Major Bottleneck In Depth Analysis and Action Plan, completion and endorsement of the 2011 Regional Transportation Plan Phase 2, the Bicycle and Pedestrian Connectivity Study, the Geographic Roadway Runoff Inventory Program, continued development of the Regional Transportation Network Model (TransCAD), operation of the Congestion Management Process, operation of the Safety Management System, operation of the Pavement Management System, and the development of the Transportation Improvement Program. Attention is also focused on the regional traffic-counting program, maintaining a regional database program, adjusting and amending certification documents as needed, and implementing the management systems. Old Colony Planning Council shall continue to integrate the Geographic Information Systems and Pictometry into various tasks and plans undertaken. As indicated in the title of the Federal transportation act, the safety of our transportation network has become an increasing concern, and a key consideration in the selection and prioritization of future projects. Tasks within the Unified Planning Work Program are consistent with the goals of the Regional Transportation Plan. As an example, the Plan supports efforts to reduce congestion, improve safety, and develop capital projects that represent an efficient expenditure of public dollars. Such efforts are addressed in this Unified Planning Work Program under multiple tasks such as the Management Systems of Congestion, Land Use, Pavement, and Safety Tasks along with the Transportation Improvement Program Task.

Public participation continues to be a vital element of the transportation planning process. Community representatives of the Old Colony Metropolitan Planning Organization Joint Transportation Committee meet typically monthly on the second Thursday to discuss transportation projects and issues of regional importance. The involvement of private sector participation is accomplished through this committee. The Old Colony Metropolitan Planning Organization meets multiple times per year to discuss transportation planning issues, review and endorse certification documents. A Public Participation Program was developed to solicit input to the various tasks and programs undertaken. This process will continually be reviewed and refined as necessary. The period covered by each contract described in this document by funding source is as follows:

FUNDING SOURCES

FHWA PL/ MassDOT	October 2010 through September 2011
FTA 5303/ OCPC	October 2010 through March 2012
BAT	July 2010 through June 2011
South Coast Rail/ MassDOT	July 2010 through June 2011

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List of Acronyms

3C:	Comprehensive, Cooperative, and Continuing Planning Process
ADA:	Americans with Disabilities Act
BAT:	Brockton Area Transit Authority
CAAA:	Clean Air Act Amendments of 1990
CMP:	Congestion Management Process
CTPP:	Census Transportation Planning Package
DEP:	Department of Environmental Protection
EIR:	Environmental Impact Report
ENF:	Environmental Notification Form
EPA:	Environmental Protection Agency
FHWA:	Federal Highway Administration
FTA:	Federal Transit Administration
GIS:	Geographic Information System
GATRA:	Greater Attleboro-Taunton Regional Transit Authority
JTC:	Joint Transportation Committee
MBTA:	Massachusetts Bay Transportation Authority
MEPA:	Massachusetts Environmental Protection Agency
MOU:	Memorandum of Understanding
MPO:	Metropolitan Planning Organization
NHS:	National Highway System
OCPC:	Old Colony Planning Council
SIP:	State Implementation Plan
SPR:	State Planning and Research Program
STP:	Surface Transportation Program
TCM:	Transportation Control Measure
TIP:	Transportation Improvement Program
RTP:	Regional Transportation Plan
UPWP:	Unified Planning Work Program

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**1000 - MANAGEMENT AND SUPPORT OF THE PLANNING PROCESS AND
CERTIFICATION ACTIVITIES**

In order to properly support and effectively control the transportation planning activities of the Old Colony Metropolitan Planning Organization, a number of program support activities must be undertaken. As a whole, these tasks allow the functioning and the continued certification of the Old Colony Metropolitan Planning Organization in accordance with the Commonwealth of Massachusetts and U.S. DOT requirements.

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TASK 1100 - 3C PROGRAM SUPPORT

OBJECTIVE:

To manage, support, and provide the necessary capability to maintain an open, comprehensive, cooperative and continuing (3C) transportation planning and programming process at all levels of government in conformance with applicable Federal and State requirements and guidelines. Tasks include presentation of transportation plans and programs (i.e. Regional Transportation Plan (RTP), Unified Planning Work Program (UPWP), Transportation Improvement Program (TIP), and other transportation studies); MEPA reviews: coordination of transportation planning activities with other local and state agencies, and other Metropolitan Planning Organizations; provide technical assistance and information related to transportation planning to the public, local, state and federal agencies; provide timely response to relevant planning studies by local, state, and federal agencies; and administer contracts.

PREVIOUS WORK:

- Maintenance and operation of the Old Colony Planning Council Metropolitan Planning Organization (MPO).
- Maintenance and certification of a viable and ongoing 3C Transportation Planning Process.
- Distribution of information on federal and state rule and regulation.
- Reviews on Environmental Notification Forms and Environmental Impact Reports/Environmental Impact Statements.
- Administration of Massachusetts Department of Transportation, Federal Transit Administration, Brockton Area Transit, Greater Attleboro-Taunton Transit Authority, and Executive Office of Energy and Environmental Affairs contract needs.
- Assistance with statewide transportation planning programs.
- Preparation of Old Colony Title VI Report.
- Coordination with environmental planning.
- Solicitation and analysis of Enhancement Projects and Congestion Mitigation and Air Quality Projects.
- Input and support for economic and community development programs.
- Endorsement of regional certification documents.
- Support for public participation and private enterprise involvement in the 3C process, Federal Highway Administration, Federal Transit Administration and air-quality programs
- Provision of ongoing technical assistance to various agencies and local communities.

PROCEDURES:

1. Provide administrative and technical support to the 3C regional planning process such as: Provide community liaison activities and short term planning assistance to all Old Colony Planning Council communities on transportation planning matters; Review Federal and State transportation programs, guidelines, circulars and manuals, plans and regulations as may be required or necessary; Provide for and support public and private enterprise involvement in the 3C Planning Process; Participate in informational programs on transportation, air quality, hazardous waste, energy conservation, accessibility and other planning.
2. Provide and maintain coordination for Old Colony Metropolitan Planning Organization activities including the presentation of transportation plans and programs (e.g. Unified Planning Work Program, Regional Transportation Plan, Transportation Improvement Program, Amendments, etc.), developed through the public participation process. Distribute documents/amendments to the Old Colony Metropolitan Planning Organization for appropriate action and/or endorsement as needed. Develop documents necessary for the certification reviews and the self- certification process. Maintain all Old Colony Metropolitan Planning Organization documentation records and files.
3. To ensure that there is equity in the distribution of transportation resources and that persons/groups classified as minority and/or low income have adequate accessibility to employment, education, medical care, and other important services, Old Colony Planning Council will continually refine the Environmental Justice Plan for the Old Colony Region. The working plan includes the following:

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- Regional maps using the 2000 and 2010 Census illustrating where high concentrations of minority and low-income persons are located.
 - Regional maps using the 2000 and 2010 Census identifying where highway Transportation Improvement Projects are located in relation to minority population and low-income areas.
 - Regional maps using the 2000 and 2010 Census illustrating the existing transit routes, fatal crash locations, pavement conditions, safe routes to schools buffers, and future capital transit projects.
 - Examination of mobility issues using the 2000 and 2010 Census, access to jobs and services, and levels of service for both transit services and automobiles.
 - Analysis and documentation using the 2000 and 2010 Census of project benefits and impacts.
 - Efforts to address those that are limited English proficient.
4. Review and comment on traffic studies submitted to member municipalities by developers under the Massachusetts Environmental Protection Agency process or as needed/requested for local permits. Review projects for consistency with the regional transportation goals and objectives, program consistency, etc.
 5. Provide for participation of staff in educational development programs and conferences with coordination of Massachusetts Department of Transportation, Federal Highway Administration, Federal Transit Administration, Brockton Area Transit, Greater Attleboro-Taunton Transit Authority and other agencies as needed.
 6. Provide inter-agency coordination with other transportation agencies, including Federal Highway Administration, Massachusetts Department of Transportation, Federal Transit Administration, RPAs, and RTAs on an ongoing, regular basis. Coordinate highway-planning activities with local officials and MassDOT District 5. Provide certification documents in accordance with coordination MOU.
 7. Promote bikeways and pedestrian initiatives in the region. Coordinate activities within the state's bikeway and pedestrian planning efforts.
 8. Develop and maintain staff awareness of Intelligent Transportation System Technology, and promote Intelligent Transportation System solutions in the region and participate in the implementation of Intelligent Transportation System Architectures.
 9. Participate in the South Coast Rail - Commuter Rail Task Force for the New Bedford/Fall River Commuter Rail Restoration Project as required under the Executive Office of Energy and Environmental Affairs Massachusetts Environmental Protection Agency certificate.
 10. Provide financial management of the transportation planning contracts with MassDOT/ Federal Highway Administration, MassDOT/ Federal Transit Administration, Executive Office of Energy and Environmental Affairs and Brockton Area Transit staff supervision and work assignment. Prepare applications, contracts, time sheets, progress report, and billings and perform other contract administration activities necessary to the conduct of the 3C Transportation Planning Process.
 11. Follow up on recommendations of previous transportation planning studies by attending and participating in public meetings or making presentation of study results.
 12. Review and circulate Massachusetts Department of Transportation guidelines governing project solicitation, evaluation, selection, and ranking under the Transportation Enhancement Program. Old Colony Planning Council transportation staff will work with member communities in preparing their Transportation Enhancement Program applications. A subcommittee could be appointed by the Joint Transportation Committee Chairman to review and evaluate projects as needed.

PRODUCT:

Maintenance and certification of a viable 3C Transportation Planning Process and Old Colony Metropolitan Planning Organization operation (ongoing); Input and Support Community Development and Environmental Planning (ongoing); 2011 Old Colony Title VI Report; Provide information on SAFETEA-LU and the Clean Air

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Act (CAA) as needed; Implementation of Certification Review Recommendations; Inter-agency meetings, memorandum and correspondence on various aspects of the transportation planning program (ongoing); Congestion Mitigation and Air Quality project solicitation and selection; Transportation Enhancement Workshop and project solicitation, selection and ranking; and administration of contract needs.

SCHEDULE:

Management and support activities to be carried on a continuing basis throughout the program year.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$42,554	\$10,639	\$5,400	\$1,350			\$59,943

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TASK 1200 - UNIFIED PLANNING WORK PROGRAM (UPWP)

OBJECTIVE:

To develop, endorse and maintain an annual Unified Planning Work Program that provides a description of the overall transportation related planning activities, ongoing and anticipated in the region, during the forthcoming year and including funding sources and agency responsibility. Endorsement of this document shall be consistent with the Public Participation Plan.

PREVIOUS WORK:

Unified Planning Work Programs have been prepared and endorsed annually by the Old Colony Metropolitan Planning Organization.

PROCEDURES:

1. Maintain the existing Unified Planning Work Program. Review and update the Unified Planning Work Program when necessary and circulate revisions to the Old Colony Metropolitan Planning Organization members, Joint Transportation Committee, Old Colony Planning Council, and other appropriate agencies for review, adjustments, and/or endorsement.
2. Follow the formal Old Colony Metropolitan Planning Organization endorsement process for major amendments. Other revisions to the Unified Planning Work Program, such as changes in the existing level of effort or funding of a specific task or the addition/deletion of a task and procedures within the current contract/grant programs, etc., will be made as required throughout the program year upon mutual agreement of the agencies involved. Such revisions/adjustment will be conducted by the Old Colony Planning Council staff and distributed to the appropriate agencies. These revisions/adjustments will not require formal Old Colony Metropolitan Planning Organization endorsement.
3. Develop a new Unified Planning Work Program for the Old Colony region covering the next program year. The Unified Planning Work Program will be developed in conformance with the latest federal and state regulations and guidelines. The Unified Planning Work Program describes all transportation, air quality and transportation related planning activities anticipated within the region during the next year regardless of funding source. The staff will prepare the Unified Planning Work Program in coordination with the Joint Transportation Committee and submit it in draft version to Old Colony Planning Council, Federal Highway Administration, Federal Transit Administration, Massachusetts Department of Transportation, and Brockton Area Transit for review and comments. The Old Colony Metropolitan Planning Organization will endorse the final document.

PRODUCT:

Maintain the existing Unified Planning Work Program; Prepare and submit Adjustments and Revisions, as needed; Invoices; Amendments to the FFY 2011 Unified Planning Work Program, as necessary; Prepare the FFY 2012 Unified Planning Work Program.

SCHEDULE:

FFY 2012 UPWP to be developed and endorsed by September 2011.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$8,800	\$2,200	\$1,200	\$300			\$12,500

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TASK 1300 - PUBLIC PARTICIPATION PROGRAM

OBJECTIVE:

To continue to support and implement the Old Colony Metropolitan Planning Organization's Public Participation Plan that was developed and adopted in 1994, endorsed in 2007, and amended in 2009. This process is designed to ensure that key public agencies at all levels of government, private and nonprofit organizations and interested citizens will be kept apprised of transportation planning milestones in the region. The encouragement of meaningful participation of local citizens in metropolitan transportation planning is one of the most important goals of the "3C" (continuing, cooperative, and comprehensive) process. The Public Participation Plan is reviewed and updated as deemed appropriate.

Provide staff support and actively encourage public and private participation in the 3C planning process through the Joint Transportation Committee, Old Colony Planning Council, and Old Colony Metropolitan Planning Organization.

Prepare, publish, and distribute a series of newsletters. Prepare articles and documentation related to transportation planning including articles for the Old Colony Planning Council Annual Report. These newsletters and articles will be in the form of public relations reports which will highlight transportation issues and report on the activities of Old Colony Planning Council, Joint Transportation Committee, Brockton Area Transit, Massachusetts Department of Transportation, Greater Attleboro-Taunton Transit Authority, Executive Office of Energy and Environmental Affairs, Old Colony Metropolitan Planning Organization, Federal Highway Administration and Federal Transit Administration.

Under this task, the Old Colony Metropolitan Planning Organization will continue monitoring the effectiveness of its public participation program. The process outlines the public outreach procedures that will be followed by the Old Colony Metropolitan Planning Organization in developing and amending the Region's Transportation Plan, and Transportation Improvement Program.

PREVIOUS WORK:

Joint Transportation Committee Newsletters, Old Colony Planning Council Newsletters, Route 3 South Task Force; News Releases and Articles for the Media, Old Colony Planning Council Annual Reports, Joint Transportation Committee meetings, Old Colony Public Participation Plans, 2007 Old Colony Regional Transportation Plan, Transportation Improvement Program and Implementation, Title VI Reports, and 2007 Public Participation Plan and 2009 Amendment.

PROCEDURES:

1. Provide a proactive public involvement process that provides complete information, timely public notice, full public access to key decisions, and supports early and continuing involvement of the public in the developing Plans and Transportation Improvement Programs and other documents.
2. Provide staff support and actively encourage public and private participation in the 3C planning process through the Old Colony Joint Transportation Committee including:
 - Host meetings of the Joint Transportation Committee.
 - Continue working with the Joint Transportation Committee. Continue to work towards expanding and educating the membership. Involve members as developing projects require and allow. Modify and expand the Transportation Advisory Network (TAN) as appropriate.
 - Continue to maintain and update Old Colony Planning Council's comprehensive mailing lists of interest groups, local, state, and federal agencies, Joint Transportation Committee, minority and low-income groups, and individuals who should be informed of Regional Plans, Programs and accomplishments in the area of comprehensive transportation and environmental planning and development.
 - Make provision to ensure early and continuing involvement of the public in the development of plans and other documents. Old Colony Planning Council shall utilize visualization techniques and will publish or announce the availability of plans and/or document for review and comments.

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- Continue to review and evaluate the effectiveness of the public involvement process; identify innovative public involvement techniques and/or programs that will enhance public participation.
 - Continue to implement the public involvement process in all aspects of Old Colony Metropolitan Planning Organization planning with particular emphasis on the Regional Transportation Plan and the Transportation Improvement Program. During the year, Old Colony Planning Council will continue to prepare mailings, newspaper announcements, public notices, and public service announcements, as outlined in Old Colony Metropolitan Planning Organization's Public Involvement Process.
 - Continue to identify under-served and under-represented groups in the Old Colony Planning Council region, continue to make efforts to reach out, attempt to get them interested, and involved in the transportation planning process. Old Colony Planning Council will continue efforts to broaden public participation especially reaching out to the limited English proficient, minority, and low-income population groups.
 - Provide staff support and actively encourage both public and private minority groups/agencies participation in the 3C planning process through the Old Colony Joint Transportation Committee.
3. Prepare articles and documentation related to transportation planning including: Articles for the Old Colony Planning Council Annual Report, and newsletters.
 4. Prepare and update documents for the use of the Joint Transportation Committee membership and community officials such as the Community Handbook; Easton/Raynham Commuter Rail Feasibility Study, Old Colony Planning Council Transportation Funding Guide and Old Colony Planning Council Public Participation Plan as necessary.
 5. Prepare news release and articles for the media for important activities that require immediate publicity.
 6. Prepare, publish, and distribute a series of newsletters. These newsletters will be in the form of public relations reports, which will highlight transportation issues and report on the activities of Old Colony Planning Council, Joint Transportation Committee, Brockton Area Transit, Massachusetts Department of Transportation, Executive Office of Energy and Environmental Affairs, Old Colony Metropolitan Planning Organization, Greater Attleboro-Taunton Transit Authority, Federal Highway Administration and Federal Transit Administration.
 7. Continue to address the Environment Justice Issue as part of the public participation process and ensure that there is equity in the distribution of transportation resources in the Old Colony region. This process is designed to ensure that key public and private minority agencies, organizations, and interested citizens will be kept apprised of transportation planning milestones in the region. The encouragement of meaningful participation of local minority groups, organizations, and citizens in metropolitan transportation planning is one of the most important goals of the "3C" process (comprehensive, cooperative, and continuing).
 8. Present transportation plans and programs (e.g. Regional Transportation Plan, Transportation Improvement Program, Public Participation Plan, and Unified Planning Work Program) developed through the public and private participation process to the Old Colony Metropolitan Planning Organization for appropriate action (endorsement as needed).
 9. Distribute the following documents Transportation Improvement Program, Unified Planning Work Program, Public Participation Plan, and Regional Transportation Plan as well as any amendments to these documents to all state and federal agencies.
 10. Maintain, update, and endorse the Old Colony Metropolitan Planning Organization Public Participation Plan as necessary. Old Colony Planning Council will make sure that the interested parties and the public are involved in developing new outreach procedures and will have many opportunities to voice their opinions on these changes once proposed. Endorsement procedures will be conducted in a manner acceptable to the Federal Highway Administration and Federal Transit Administration.

PRODUCT:

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Metropolitan Planning Organization meetings, Joint Transportation Committee meetings, Metropolitan Planning Organization mailings, Joint Transportation Committee documents, Website Notices, Articles in Old Colony Planning Council Annual Report and News Release, Participation in public meetings, newsletters, maintenance of a viable Public Participation Process, 2011 Old Colony Title VI Report, 2011 Public Participation Plan amendments, and refinements for a web page on the Internet.

SCHEDULE:

To be carried out throughout the program year. Publication of newsletters may be quarterly. Annual review of PPP to be completed by September 2011.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$36,000	\$9,000	\$4,700	\$1,175			\$50,875

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TASK 1400 - TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

OBJECTIVE:

To develop and maintain a financially constrained staged multi-year program of transportation/air quality improvement projects that is consistent with the Old Colony Metropolitan Planning Organization Regional Transportation Plan, the State Implementation Plan, the Environmental Protection Agency's Air Quality Conformity Regulations, and Federal Highway Administration/Federal Transit Administration's Planning Regulations. The Transportation Improvement Program will include a program of highway and transit projects for FFY 2012-2015. Any project, which is to be implemented, using federal funding, must appear in this document and any project, which is to be implemented in the current fiscal year, must appear in the annual element.

The Old Colony Metropolitan Planning Organization's FFY 2011-2014 Transportation Improvement Program will be maintained and any future amendments to the Transportation Improvement Program will be conducted in accordance with the Public Participation Plan. The FFY 2012-2015 Transportation Improvement Program will be developed and endorsed.

PREVIOUS WORK:

Transportation Improvement Programs have been developed and endorsed annually. Public Participation Process, Transportation Improvement Program Amendments & Administrative Modifications, Evaluation Criteria Analyses, Project Evaluations, Technical Assistance, and formulation, implementation and coordination of TIP Subcommittee, and preparation of related products.

PROCEDURES:

1. Develop a program of projects: In developing the FFY 2012-2015 Transportation Improvement Program, staff will update the list of all transit, highway, or air quality projects that are expected to require federal and state transportation funds for planning and engineering, construction or purchase during FFY 2012-2015. This work will include:
 - All transportation projects or programs that require Federal Highway Administration or Federal Transit Administration approval that are not using Federal transportation funds.
 - For informational purposes, all projects to be funded with Federal funds other than from Federal Highway Administration or Federal Transit Administration.
 - For informational purposes, all projects to be funded with Non-Federal Funds.
2. Include the following information in this multi-year list of projects: The Massachusetts Department of Transportation identification title: Project description; Regional priority; Estimated total cost; Amount of federal funds proposed to be obligated during each program year; Proposed source of Federal and Non-Federal funds; Identification of the recipient/sub recipient and state and local agencies responsible for carrying out the project; Identification of those projects which are identified as Transportation Control Measures in the State Implementation Plan; and Identification of those projects which will implement the Americans with Disabilities Act Complementary Paratransit Plan. Project descriptions shall be of sufficient detail to permit air quality analysis in accordance with Environmental Protection Agency conformity requirements. In addition, the total costs of projects seeking Federal funds in each program year shall be in line with anticipated Federal funds.
3. Prepare Draft FFY 2012-2015 Transportation Improvement Program for the Old Colony Region: The following tasks and procedures will be performed by the Old Colony Planning Council transportation planning staff in developing the Draft FFY 2012-2015 Transportation Improvement Program:
 - Early involvement of local legislators, chief local elected officials, and citizens through the public participation process.
 - Provide technical assistance to municipalities and private interests in developing projects and priorities.
 - Meet with MassDOT District 5 Projects Engineers, Massachusetts Department of Transportation, and consultants in developing project information, and utilizing transportation evaluation criteria regularly.
4. The draft Transportation Improvement Program will also include sections relative to:
 - The relationship of the Transportation Improvement Program to the Regional Transportation Plan.

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- Funding categories and amounts of federal funding proposed to be obligated during each program year.
 - Previously funded projects, programs, and an explanation of any significant delays in the planned implementation of major projects.
 - A description of the transportation evaluation criteria and process for prioritizing projects.
 - Air quality significance and relationship of the Transportation Improvement Program to the State Implementation Plan.
 - A description of the progress in implementing required Transportation Control Measures, including reasons for any significant delays in the planned implementation and strategies for ensuring their advancement.
 - A list of all projects found to conform in a previous Transportation Improvement Program now part of the base case for the purposes of air quality conformity analyses.
 - A financial plan that compares revenue needs to revenue sources for highway and transit programs.
 - Identification of projects needed to implement the regional Americans with Disabilities Act Complementary Para-transit Plan.
 - Identification of projects for enhancement funding within both Federal Highway Administration and Federal Transit Administration programs.
5. **Public Participation:** There will be a reasonable opportunity for public comment on the Draft FFY 2012-2015 Transportation Improvement Program in accordance with the Old Colony Public Participation Plan. Old Colony Planning Council will hold at least one public meeting during the Transportation Improvement Program development process and both the proposed and approved Transportation Improvement Program will be published or otherwise made readily available for informational purposes via various media outlets.
6. **Transportation Improvement Program Approval:** The completed document will be reviewed and endorsed by the Old Colony Metropolitan Planning Organization, and once endorsed, will serve as the required air quality conformity documentation necessary for U.S. DOT and Environmental Protection Agency conformity determinations.
7. **Transportation Improvement Program Adjustments/Amendments:** Amendments to the Transportation Improvement Program will require Old Colony Metropolitan Planning Organization endorsement. Adjustments to the Transportation Improvement Program typically require approval of the Joint Transportation Committee and notification of the Old Colony Metropolitan Planning Organization.

PRODUCT:

Maintenance of the FFY 2011-2014 Transportation Improvement Program, conduct adjustments/amendments to the FFY 2011-2014 Transportation Improvement Program as needed. FFY 2012-2015 Transportation Improvement Program.

SCHEDULE:

The FFY 2012-2015 Transportation Improvement Program will be developed and endorsed by September 2011.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$27,200	\$6,800	\$3,700	\$925			\$38,625

**OLD COLONY METROPOLITAN PLANNING ORGANIZATION
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TASK 1500 – ENVIRONMENTAL JUSTICE
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OBJECTIVE:

To ensure that there is equity in the distribution of transportation resources in the Old Colony region. This process is designed to ensure that key public and private minority agencies, organizations, and interested citizens will be kept apprised of transportation planning milestones in the region. The encouragement of meaningful participation of local minority groups, organizations, and citizens in metropolitan transportation planning is one of the most important goals of the "3C" process (comprehensive, cooperative, and continuing).

PREVIOUS WORK:

Joint Transportation Committee Participation Improvement Program, Joint Transportation Committee Newsletters, Old Colony Planning Council Newsletters, News Releases and Articles for the Media, Old Colony Planning Council Annual Reports, Website, Joint Transportation Committee meetings, Old Colony Public Participation Plan, Public Participation process (Old Colony 2007 Regional Transportation Plan), Transportation Improvement Program and Implementation Process, Annual Old Colony Title VI Reports.

PROCEDURES:

1. To ensure that there is equity in the distribution of transportation resources and that persons/groups classified as minority and/or low income have adequate accessibility to employment, education, medical care, and other important services, Old Colony Planning Council will continually refine the Environmental Justice Plan for the Old Colony Region. The working plan includes the following:
 - Regional maps using the 2000 and 2010 Census illustrating where high concentrations of minority and low-income persons are located.
 - Regional maps using the 2000 and 2010 Census identifying where highway Transportation Improvement Projects are located in relation to minority population and low-income areas.
 - Regional maps using the 2000 and 2010 Census illustrating the existing transit routes, fatal crash locations, pavement conditions, safe routes to schools buffers, and future capital transit projects.
 - Examination of mobility issues using the 2000 and 2010 Census, access to jobs and services, and levels of service for both transit services and automobiles.
 - Analysis and documentation using the 2000 and 2010 Census of project benefits and impacts.
 - Efforts to address those that are limited English proficient.

2. Provide staff support and actively encourage both public and private minority groups/agencies participation in the 3C planning process through the Old Colony Joint Transportation Committee.

PRODUCT:

Preparation of the Title VI/ Environmental Justice Plan for the Old Colony Region, and 2011 Regional Transportation Plan. Maintain a mailing list of minority groups/organizations, develop maps identifying minority and low-income populations, develop transit route maps, and develop maps showing existing and future location of Transportation Improvement Program and Transportation Plan projects.

SCHEDULE:

To be carried out throughout the year and concurrent with TIP development cycle.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$12,000	\$3,000	\$1,600	\$400			\$17,000

**OLD COLONY METROPOLITAN PLANNING ORGANIZATION
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2000 - DATA RECONNAISSANCE, ACQUISITION, AND ANALYSIS ACTIVITIES

A major requirement of planning is to know what is actually happening in the real world. Surveillance activities are designed to do just that by gathering data on transportation resources, their use, and demand for their use. This information is used to locate and define problems for further study and analysis, define requirements for plans and designs, develop programming priorities and evaluate the success of projects after implementation.

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TASK 2100 - DEMOGRAPHIC SURVEILLANCE AND ROAD INVENTORY UPDATE

OBJECTIVE:

To continue to develop, update, and maintain current demographic information and data to ensure that transportation planning, programming analyses, and forecasting methods are based on the most current information. This includes analyzing social, economic, and land use data, including historic, current, and forecast information, and the development, update and revision of socioeconomic forecasts, and the update the road inventory for use in refinement of the regional transportation model and the Regional Transportation Plan.

PREVIOUS WORK:

Population, employment, land use, building permits, build out, Journey to Work data, forecasts, and GIS data analyses. Road Inventory Updates; Demographic Data Book preparations; US. Census Participant Statistical Areas Program (PSAP), Pavement and Congestion Management Systems and Processes.

PROCEDURES:

1. Review and continue to maintain, update, and develop where appropriate existing demographic files based on the 2010 U.S. Census information, as it becomes available.
 - Review, maintain and periodically update physical data and prepare data maps, including land use, zoning, and etc.
 - Develop, update, and revise socioeconomic forecasts for use in refinement of the regional model, the Geographic Information System, and the Regional Transportation Plan.
 - Develop traffic analysis zones for the Transportation Model with the most recent 2000 census data, as it becomes available.
 - Review, develop, and analyze the 2000 and 2010 U.S. Census Data.
 - Prepare for 2010 U.S. Census.
 - Provide and respond to citizen requests for U.S. Census Data information.
 - Prepare and update the regional demographic data book, while incorporating the 2010 U.S. Census Data information.
 - Attend and participate in workshops and courses (US Census, CTPP, etc.) sponsored by Federal Highway Administration, Federal Transit Administration, Massachusetts Department of Transportation, Baystate Roads, and other agencies or groups.
2. Socio-Economic forecasting
 - Develop, update, and revise socioeconomic forecasts for use in refinement of the regional travel demand model.
 - Obtain the necessary information to revise the population and employment projections based on the 2010 U.S. Census.
 - Develop Build Out Analysis as an update to the 1999 EOEEA Build Out Analysis Project.
 - Prepare Priority Development Areas and Priority Preservation Areas.
3. Continue to collect and update attributes of the Massachusetts Department of Transportation's Road Inventory File that have not been updated:
 - Assist Old Colony Planning Council's communities with the documentation needed in order to add newly constructed accepted streets or to change an existing street from unaccepted to an accepted roadway.
 - Meet with local officials to discuss the Road Inventory Data Files and the changes identified during the Pavement Management survey process.
 - Continue to maintain the Road Inventory on the Geographic Information System System.
 - Investigate the feasibility of using a Global Positioning System to plot and update the Road inventory files with new roads created from new subdivision development. Additionally, Old Colony Planning Council will also use the Global Positioning System to plot both existing pedestrian and bicycling trails within the region.

PRODUCT:

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Updated Socio-Economic Data Files; Updated Physical Data Files; Semi-Annual Demographic Data Book; 1990-2010 Journey-to-Work data tables; Journey-to-Work Reports; assist with the 2010 U.S. Census; Build Out Analysis; Priority Development Areas and Priority Preservation Areas Product; and, provide technical assistance and maintain and update Road Inventory Files.

SCHEDULE:

To be carried out throughout the year. Build out analysis to be completed by October 2011.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$27,200	\$6,800	\$3,600	\$900			\$38,500

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TASK 2200 - HIGHWAY DATA SURVEILLANCE

OBJECTIVE:

To develop and maintain a region-wide traffic-counting program (includes OCPC Program and Massachusetts Department of Transportation Program). To respond to requests for traffic counts from state, city, and town officials within the region. To preserve up-to-date files of traffic-specific data characteristics of the highway system, demand, and its use.

PREVIOUS WORK:

Annual Old Colony Planning Council Traffic Volume Reports. Maintenance of comprehensive computer file inventory of local, state and other traffic counts. Turning movement counts and Travel Time Studies. Collection and analysis of data previously performed for other Transportation Plans and Studies. Numerous speed and vehicle classification studies requested by member communities. Review of studies and reports prepared by agencies and consultants. Routine MassDOT/ Regional Planning Agency Traffic Count Program. In addition, a three-year count program of strategic road/locations within the region has been developed to provide information for implementation of the regional growth factors, model inputs, etc.

PROCEDURES:

1. Undertake a traffic counting program in coordination with municipal and MassDOT officials including:
 - Conduct special 48-hour traffic counts using mechanical recorders and conduct manual turning movement counts at the request of the municipalities within the region, and/or as needed for planning purposes.
 - Conduct 48-hour directional traffic counts at approximately 25 locations within the Old Colony Planning Council region as part of MassDOT's Statewide Traffic Coverage Counts.
 - Conduct bicycle and pedestrian counts, as appropriate.
 - Verify and calibrate traffic counters according to MassDOT Procedures.
 - Prepare and report primary data collected to host municipalities and MassDOT.
 - Maintain and continue to expand on an ongoing region wide traffic count database for use in monitoring regional VMT growth rate.
 - Provide general maintenance, payments, and replacements of all traffic counters, vehicles, insurances, and traffic counting related equipment, as needed.
 - Purchase replacement equipment and supplies as needed to continue the count program.
 - Maintain a database library of traffic counts (over 5,000) to be made available to the public.
 - Maintain database link of regional counts to Geographic Information System.
 - Prepare and distribute reports summarizing the traffic counting activities for each community in the region (includes distribution to MassDOT).
2. Conduct additional counts throughout the region as needed in order to refine and update the traffic database for the Regional Transportation Model.
3. Undertake travel time and vehicle occupancy study in the Old Colony Planning Council region as needed for the Regional Transportation Model, the Regional Transportation Plan, and/or other planning activities.
4. Review, monitor and update the following highway systems data as needed including:
 - Average Daily Traffic growth trends and seasonal adjustments.
 - Commuter Rail and park and ride facilities (inventory) and utilization study.
 - Traffic crash and crash rate documentation.
 - Traffic control devices.
 - 2010 U.S. Census Place of Work and Residence Data.

PRODUCT:

Traffic Counting Program, Highway Data Displays, speed and classification reports, Turning movement count database, Vehicle Occupancy and Travel Time Reports as needed and updated computer files of traffic counts on a town/roadway basis and a data layer of regional counts with Geographic Information System and Commuter Rail and MassDOT Park and Ride Utilization Report, and, the Replacement, Maintenance, Purchase of traffic counters,

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vehicles, insurances policies. Other products include Annual Traffic Volumes Report, traffic count GIS point Layer, turning movement count point layer, and traffic volume growth/ decline rates.

SCHEDULE:

To be carried out typically from January to December (weather permitting). Year End Traffic Volume Report to be completed during spring 2011.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$39,200	\$9,800					\$49,000

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TASK 2300 - SYSTEM PLANNING AND RESOURCE ACTIVITIES
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OBJECTIVE:

To continually improve the region's capability for estimating and evaluating impacts of existing and proposed regional transportation facilities and to provide support for the day to day operation of the Old Colony Planning Council Transportation Department's computer system and to expand the utility of the computers to other areas of transportation planning. Additionally, to provide for staff development, training, and their related participation in educational development programs, seminars, conferences and courses.

PREVIOUS WORK:

Staff development and participation in courses, seminars, and workshops (on-going project). Use of TransCAD, Geographic Information System, HCS, Pavement Management, McTrans Highway Capacity Software, SYNCHRO, Pictometry, and other transportation analysis software package. Purchase, installation, and upgrade of computer systems, and equipment as needed.

PROCEDURES:

1. Staff development, attendance and participation in transportation courses, seminars and workshops sponsored by Massachusetts Department of Transportation, Federal Highway Administration, Federal Transit Administration, Brockton Area Transit, Executive Office of Energy and Environmental Affairs, Greater Attleboro-Taunton Transit Authority, DEP, Environmental Protection Agency, and others. This will assist staff in continued and on going development, maintenance, and application, sketch planning, quick response and other forecasting methods. This will also encompass all activities that are directed to the production of new computer procedures that support Old Colony Planning Council analytical, administrative and documentation tasks.

2. Computer hardware and software acquisition, maintenance, and updates.
 - Purchase, update/upgrade, and maintain of all hardware equipment/supplies and software applications that are needed for the Transportation Section's computer facilities.
 - Integrate computer capabilities into all practical aspects of the transportation planning process. This effort entails the acquisition, testing, and refinement of additional hardware and transportation related software from US DOT supported research and other public agencies as well as private companies.
 - Provide necessary support for the effective operation of the Old Colony Planning Council Transportation staff's computer facilities.
 - Monitor technological development in the field of computer hardware and software for potential use in planning activities. Continue ongoing planning, evaluation, and implementation of computer software and hardware.
 - Familiarize the Transportation Staff with the computer facilities and applications through informal and formal training sessions.
 - Continue to maintain and update the library of programs and data files.

PRODUCT:

Staff development of enhanced technical and planning capabilities. Attend courses/workshops etc., maintain, and update computer hardware and software, and knowledge bases, as needed. Application of new forecasting techniques and transportation analysis techniques.

SCHEDULE:

To be carried out throughout the year.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$23,200	\$5,800	\$2,900	\$725			\$32,625

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TASK 2400 - GEOGRAPHIC INFORMATION SYSTEM (GIS)
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OBJECTIVE:

To improve, develop, and utilize the computerized Geographic Information System, Global Positioning Software, and Pictometry for various tasks within the Unified Planning Work Program. The GIS allows OCPC to store, display, manage, and analyze data for different work tasks. This includes land uses projection for the Regional Transportation Plan Update; road inventory files; travel demand modeling; traffic volume; high crash location; roadway functional classification; transit route analysis; and pavement management analysis. This task will also provide general GIS and Pictometry assistance on studies conducted as part of this UPWP.

PREVIOUS WORK:

Land Use (MassGIS), Roadway Classification, Traffic Counting Program; Pavement and Congestion Management Process, Travel Demand Model for the Region; Road Inventory update; technical assistance program for member communities; regional crash database; regional land use map; regional growth map; build-out analysis; Parcel Maps; Pictometry Installation and Technical Assistance; PDAs and PPAs; build-outs.

PROCEDURES:

1. Train and enhance staff and system abilities and develop database.
2. Continue linkage of databases, i.e. Road Inventory File, etc., with existing and new data-layers.
3. Integration of existing databases such as crash, roads inventory, and travel demands into Geographic Information System as appropriate.
4. Utilize GIS and Global Positioning System capabilities in maintaining traffic data, mapping pavement condition information, mapping existing and projected land use data for use in various transportation projects such as the revisions to the long range plan and special studies, road inventory; roadway functional classification; crash location analysis; travel demand model; and transit routes; etc.
5. Enter relevant demographic, economic, environmental, stormwater, drainage, and traffic data into the GIS as needed to provide increased abilities for organization, analysis, and retrieval. Establish new database and map overlays on a continual basis as projects develop.
6. Continue the expansion of GIS and Global Positioning System from a mapping tool to an analytical tool through various project needs.
7. Develop and/or adapt, as appropriate, computer programs for various transportation-planning applications relevant to the needs of Old Colony Planning Council region.
8. Collect, maintain, and analyze data on an ongoing and continuing basis.
9. Generate information to be used as input to numerous studies and tasks including management systems, Regional Transportation Plan, Travel Demand Model, and/or any other major transportation studies. This information will be provided to MassDOT and member communities as needed.
10. Develop Build Out Analysis as an update to the 1999 EOEEA Build Out Analysis Project.
11. Prepare Priority Development Areas and Priority Preservation Areas.
12. Support Unified Planning Work Program tasks and special reports where appropriate and necessary.
13. Review, select, and purchase additional software and hardware as needed.
14. Provide GIS, Global Positioning System, and Pictometry technical assistance to regional communities.

PRODUCT:

Base maps, Build Out Analysis, overlay files, and photography that can be utilized for tasks including travel demand modeling, traffic counting program, management systems, roadway functional classification, road inventory, PDAs and PPAs, crash data processing and locating, transit routing, plan updates, and environmentally sensitive areas, etc.

SCHEDULE:

To be carried out throughout the year.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$44,000	\$11,000	\$5,800	\$1,450			\$62,250

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TASK 2500 – TRAVEL DEMAND MODELING AND FORECASTING

OBJECTIVE:

To continue to develop staff capabilities in using the TransCAD Modeling System and provide assistance in the development of the Statewide Model. To continue refinement, calibration, development, maintenance, and application of the Old Colony Planning Council Regional Travel Demand Model used in the development of the Regional Transportation Plan. To continue refining and calibrating the transportation demand model to meet the forecasting requirements of federal transportation and air quality laws and regulations.

The regional transportation model is an effective and comprehensive way to forecast transportation needs for the next 20 years in the Old Colony Planning Council region. The transportation model enables Old Colony Planning Council to forecast traffic impacts caused by population and economic growth, identify congestion growth areas on highways, impacts on travel patterns and estimate Vehicle Miles Traveled. The model is a valuable transportation tool in analyzing the transportation network and evaluating alternative solution to transportation problems.

Old Colony Planning Council may hire a consultant to assist with model refinements and will utilize the model in testing of the transportation alternatives as part of the refinement of the Regional Transportation Plan and traffic studies as appropriate. The model will also be used to assist in identifying future problem areas and in the development of strategies for the ongoing Congestion Management Process. Old Colony Planning Council will utilize the model in testing of the transit alternatives as part of the refinement of the Regional Transportation Plan and transit studies as appropriate.

Old Colony Planning Council will continue to work with the Massachusetts Department of Transportation in developing the statewide travel demand model as needed.

PREVIOUS WORK:

The Regional Transportation Model was used as an analytical tool during the development of the 2007 Regional Transportation Plans. Old Colony Planning Council utilized a regional traffic simulation model that encompasses every community in the region. During the past year staff has worked on refining the model to address specific deficiency detailed in the RTP. The model was used to identify and verify congested corridors/areas in the region for the Congestion Management Process, Corridor Studies, and Major Bottleneck Identification Studies.

PROCEDURES:

1. During the program year, the products developed from the model, i.e. the existing and future year scenarios used for network analysis of air quality and travel demand will be reviewed, evaluated, and utilized as part of any changes/updates to the 2011 Regional Transportation Plan and the Transportation Improvement Program.
2. Continue to refine and update the Old Colony Planning Council model to include the block group demographic data from US Census 2000 and 2010; contract with consultant as needed; this information will be used to calibrate the model (this may include utilizing consultants under contract).
3. Continue to collect/compile, update traffic count data, and adjust as necessary to refine the accuracy of the model.
4. Develop external zones from external stations on the fringe areas of the region to improve the calibration of the existing conditions.
5. Utilize the refined and calibrated model for analyzing alternatives in the development and refinement of the Regional Transportation Plan and other transportation or corridor studies (this may include utilizing consultants under contract).
6. Analyze forecast information to identify deficiencies as required for the Regional Transportation Plan and Air Quality Conformity. Evaluate improvement strategies. Incorporate findings in the Regional Transportation Plan as appropriate.
7. Assist Massachusetts Department of Transportation in the preparation of statewide modeling efforts as needed. Integrate the 2000 and 2010 Census block group data and Massachusetts Department of Transportation Road Inventories Files into TransCAD model for use with the statewide travel demand model.
8. Maintain and update (as needed) the network model developed for the Downtown Brockton area to evaluate the one-way system.

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9. Continue work on developing the transit network model.
10. Generate various outputs based upon the needs of Old Colony Planning Council, local officials, and MassDOT.
11. Survey of Existing Services: Collect data on existing services provided by the MBTA, Brockton Area Transit, and Greater Attleboro-Taunton Transit Authority. This data collection will include route and service information provided by the respective transit providers.
12. Survey of Existing Needs: Collect data on need for transit services across region. Data will be collected using a variety of techniques such as ridership surveys origin/destination, license plate surveys, and mode split analysis.

PRODUCT:

A completed refined/recalibrated transportation model for the Old Colony region that can be expanded upon as needed, utilized for travel demand estimation, and forecasting. Updated network models for the Old Colony region, participation in MetroFuture Task Force, Refinement to Traffic Analysis Zones for 2007, 2017, 2020, 2030, and 2023.

SCHEDULE:

To be carried out throughout the program year.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$28,000	\$7,000	\$4,100	\$1,025			\$40,125

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TASK 2600 - MANAGEMENT SYSTEMS (CONGESTION, LAND USE, PAVEMENT, AND SAFETY)

OBJECTIVE:

Congestion Management Process (CMP)

To continue to implement a congestion management process. Considered an ongoing effort, Old Colony Planning Council will continue to be responsible for providing the staff, collecting and maintaining all data needed in the estimation of refined performance measures and identifying both existing and future needs of the region's transportation system. Subsequently, ranked regional listing of congested highways, transit, park, and ride parking facilities that have been established will continue to be refined. As part of this System, regional congestion will be addressed at locations identified in the 2011 Regional Transportation Plan.

Pavement Management System (PMS)

For many years, the Old Colony Planning Council has been working to implement and update Pavement Management System. Old Colony Planning Council will continue to collect and analyze road surface data on all Surface Transportation Program roadways, as well as certain National Highway System highways. Old Colony Planning Council will also continue to assist and provide technical assistance to local communities interested in developing a local Pavement Management Program. Under the FFY 2011 Unified Planning Work Program, Old Colony Planning Council will continue to maintain the Old Colony Planning Council Pavement Management Program and provide technical assistance to local communities interested in developing a local Pavement Management Program.

Land Use Management System (LUMS)

To monitor the changes in local government land use plans and regulations, land use patterns, development projects, trip generations, on and off site mitigation, and the various associated characteristics of the regions in order to update the land use and zonal forecasts, and use as inputs into the congestion management process and mitigation activities.

Safety Management System (SMS)

Old Colony Planning Council develops and implements a safety management system. This consists of a systematic process that has the goal of reducing the number of and severity of traffic crashes on the public roads. Recommended actions include providing information for selecting and implementing effective safety strategies and projects. All opportunities to improve roadway safety are identified, considered, and implemented in all phases of highway planning, design, construction, maintenance, and operation. The safety management system incorporates roadway, human, and vehicle safety elements. Considered an ongoing effort, Old Colony Planning Council will be responsible for providing the field survey staff to collect and maintain all data needed in the estimation of refined performance measures and conduct road safety audits. Staff will identify both existing and future needs of the region's transportation system with regard to safety. Subsequently, this includes development of annual regional listings of high hazard intersections and corridors, and participation in the Highway Safety Improvement Program.

PREVIOUS WORK:

Congestion Management Process

Preparation of the Year End 2009 Congestion Management Process Annual Report. Monitoring and analysis of the parking, transit, and roadway facilities. Link V/C Ratios as part of the regional traffic-counting program. Participation on the Congestion Management Technical Team, development of strategies, and corridor studies. During previous years, the staff defined a focused roadway network for the region. Data collection, consisting of numerous travel time runs was completed on roads identified as having existing congestion. In addition, ridership data were analyzed on Brockton Area Transit's routes. Staff also identified and analyzed all the formal park and ride lots and commuter rail lots in the region.

Pavement Management System

Pavement Management System on both the National Highway System roadways miles and the Surface Transportation Program roadways miles in the region (approximately 533 miles); Preparation of the Year End 2009 Pavement Management System Annual Report; Old Colony Planning Council Report On Roadway Condition; Road Inventory Update; Technical assistance to local communities interested in Pavement Management Program; PCI

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development for incorporation in transportation evaluation criteria, and formation coordination and implementation of Pavement Management Subcommittee, and related products.

Land Use Management System

Preparation of GIS mapping of top employers, residential densities, employment densities; zonal forecasts for regional transportation plans; journey to work-studies; Preparation of the Year End 2009 Land Use Management Systems Annual Report; MEPA Analyses, and, origin-destination surveys.

Safety Management System

Participation in development of Highway Safety Improvement Program; Safety analyses as part of Transportation Evaluation Criteria application; Crash Rate processing; Old Colony Planning Council Top 100 High Hazard Intersections; Preparation of the Year End 2009 Safety Management Systems Annual Report, and studies for communities warranting specific attention to highway safety, Brockton Main Street Road Safety Audit, Easton Route 138 at Elm Street RSA, Easton Route 138 at Union Street RSA, Easton Route 106 at Prospect Street RSA, Brockton Route 123 at Linwood and Lorraine RSA.

PROCEDURES:

Congestion Management Process

1. Continue to work with the Congestion Management Process to identify and coordinate various work tasks and to ensure consistency with requirements of Transportation Management Areas. Staff will continue to attend meetings and training as appropriate since they serve as a forum for the dissemination of data produced by the system and allow personnel from other RPAs to meet and share information on data collection, data sources, etc.
2. Continue to refine the region's established Congestion Management Process network by utilizing the region-wide traffic simulation model to identify any additional facilities on which congestion exists or is predicted.
3. Continue to measure identified congestion on Congestion Management Process corridors/roadways through a data collection effort, which includes, but is not limited to the following:
 - Conduct travel time, delay runs in each identified corridor, and collect traffic counts and turning movement count data where necessary.
 - Monitor, survey, and analyze usage at commuter parking lots throughout the region. Develop and monitor mobility and accessibility enhancement measures for the commuter parking lots within the region.
 - Extend and recalibrate the regional model for peak periods and travel time delay. Incorporate turning movement counts and phase specific signal timing information into the model.
 - Continue ongoing collection and analysis of fixed-route transit data. Also included in this process will be to conduct origin/ destination surveys of current transit ridership and the development and utilization of condition measures and load factors.
 - Continue to identify, evaluate, and select strategies that address congestion, and provide administrative and technical support during the implementation of congestion management strategies.
 - Provide inputs to statewide and regional plans and transportation evaluation criteria for Transportation Improvement Programs.
4. Continue to develop and refine congestion control strategies. Develop both general and corridor specific recommendations for relieving congestion on selected corridors.
5. Continue to evaluate performance measures that provide relevant and up-to-date information on the congestion status of transportation facilities.
6. Continue ongoing assessment of the effectiveness of implemented strategies on alleviating congestion.
7. Continue ongoing monitoring and analyses that identify the underlying causes of congestion.
8. Provide analyses that consider non-traditional congestion management strategies (Transportation Demand Management, growth management, congestion pricing, traffic operational improvements, public transportation, and Intelligent Transportation System) to reduce transportation system congestion.
9. Provide in depth study of regional congestion at priority locations.

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Land Use Management System

1. Continue an extensive land use review and future land use updated. This will include a review with each jurisdiction regarding their existing and future land use projects. Work shall include developing an accurate depiction of existing land use, trip generation, and provide the capability for tracking land use changes.
2. Continue to review and comment on proposed and ongoing development projects, that includes, but is not limited to those undergoing the MEPA process.
3. Continue to develop and refine land use database and GIS mapping. Provide reports to committees such as the Joint Transportation Committee and Metropolitan Planning Organization.
4. Continue to develop and concepts for concurrency management programs and development/ infrastructure management tools.
5. Investigate the representation of land use in a simulation models such as UrbanSim.

Pavement Management System

1. Continue to use the Road Manager software, and/or other software to maintain and update the Old Colony Planning Council Pavement Management Program as needed. Pavement management data collection and analyses will be used to inform OCPC, JTC, and MPO of the regional costs associated with regional pavement conditions and needs. This information is to support the inclusion of pavement projects in the TIP and will aid in the development of realistic estimates of costs to the Region, particularly while developing the Regional Transportation Plan (RTP). OCPC may purchase new pavement management software during FFY 2011.
2. Develop factors based on the deterioration curve to adjust the Pavement Condition Index for roads that were not surveyed or improved in the last several years.
3. Provide technical assistance to member communities interested in the Pavement Management Program.
 - Initiate, coordinate, and develop pavement management programs for local communities.
 - The communities would be responsible for all data collection.
 - Local officials must commit to participate in the program on an on-going basis.
4. Meet with MassDOT, RPAs, and PMUG to coordinate regional and statewide efforts and to compare programs and strategies for improvement of data collection, analysis, and assistance to local communities.
5. Pavement Management Procedures:
 - Train and monitor town highway personnel in conducting the survey.
 - In-put data into pavement management program used by Old Colony Planning Council (Road Manager) of other software, as appropriate.
 - Use Old Colony Planning Council's computer capabilities to provide analysis and reports to municipalities participating in the program.
 - Provide follow-up technical assistance, as needed.
 - Train municipal staff in use of pavement management software so that data base and management program may be maintained and continued following completion of Old Colony Planning Council work efforts

Safety Management System

1. Develop and work with the Safety Management System to identify and coordinate various work tasks, and prepare and participate in Road Safety Audits. Staff will continue to attend meetings (such as SHSP and TRCC, etc.), and training as appropriate since they serve as a forum for the dissemination of data produced by the system and allow personnel from other RPAs to meet and share information on data collection, data sources, etc.
2. Review local and state crash data for intersections and corridors. In addition, Old Colony Planning Council will provide crash data processing, upon request, to assist local police departments in the identification of high locations. Calculation of crash rate (crashes per million entering vehicles and crashes per hundred million miles) and comparison to both State and District Averages will be conducted. For corridors, the crashes per lane mile and fatality per lane mile will be used.

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3. Develop both site specific and generalized recommendations in order to address safety deficiencies. This will include recommendations regarding geometric, speed reductions, traffic calming techniques, vegetation clearing, signage consolidation, pavement markings, pedestrian ramps and crossings, roundabouts and signalizations, as appropriate. To supplement the recommendations development, staff will utilize the Manual on Uniform Traffic Control Devices, the MassDOT project Development and Design Guide Book, and the Governor's Highway Safety Bureau.
4. Incorporate safety criteria in the transportation evaluation process used in the development of the Transportation Improvement Program. Project specific recommendations will be discussed with local, regional and state officials as appropriate, in order to address safety issues and concerns.
 - Provide administrative and technical support during the implementation of safety management strategies.
 - Continue ongoing Public Participation Program.
 - Provide safety inputs to statewide and regional plans and Transportation Improvement Programs.
5. Continue to develop and refine safety strategies. Develop both general and corridor specific recommendations for addressing safety on selected corridors.
6. Develop a system of performance measures document results of implemented safety measures. Such measures may include percent reduction in crash rate, percent reduction in the number of injury crashes, and percent reduction in crashes involving fatalities. Improve methods for compiling and retrieving crash data through utilization of Geographic Information System and through the improvement of information sharing with local, state, and federal partners.
7. Staff will continue to measure identified safety at high hazard locations through a data collection effort, which includes, but is not limited to the following:
 - Conducting turning movement counts, vehicle volume studies, vehicle speed studies, vehicle classification studies and pedestrian studies.
 - Continue to identify, evaluate, and select strategies that address safety.
 - Update status of performance measures at locations where safety improvement have been implemented.

PRODUCT:

Congestion Management Process

Annual Management System Report will be prepared. Data collection, intersection data survey, roadway refinement, proposal strategies, progress report preparation, and congestion management team support. In-depth study of regional congestion at priority locations. Consistency with CMP requirement of Transportation Management Areas. Transportation Evaluation Criteria inputs.

Land Use Management System

Annual Management System Report will be prepared. Updated Land use database and related mapping, and zoning and land use recommendations. Ongoing review and comment on proposed and ongoing development projects, that include, but are not limited to those undergoing the MEPA process. Development of concepts for concurrency management programs and development/ infrastructure management tools.

Pavement Management System

Annual Management System Report will be prepared. Continue data collection and data analysis for Surface Transportation Program and National Highway System roadways in the region and use of said data in evaluation of projects to be programmed in the Transportation Improvement Program; Database refinement and information for incorporation into the Old Colony Planning Council's Geographic Information System; and technical assistance to local communities interested in developing a Local Pavement Management Program. Transportation Evaluation Criteria inputs.

Safety Management System

Annual Management System Report will be prepared. Road Safety Audits. Top 100 High Hazard Intersections in Old Colony Region. Identification of data collection, intersection data survey, roadway refinement, proposal

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strategies, and progress report preparation. Development of specific-safety recommendations for intersections, corridors, and pedestrian crossings. Inclusion of safety analyses as a component of the Transportation Evaluation Criteria in the development of the Transportation Improvement Program. Identification of safety specific projects for the Old Colony Region.

SCHEDULE:

Management systems and processes to be carried out throughout the year. Annual Reports, Road Safety Audits, and analyses to be completed by October 2011.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$40,000	\$10,000					\$50,000

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3000 - SHORT AND LONG RANGE TRANSPORTATION PLANNING ACTIVITIES

This work element sets the direction for major transportation development activities in the region. As such it is concerned with continuously updating projects dealing with the demand for transportation; development of a transportation plan which encompasses a Long Range Element and a Short-Range Element, both incorporating the concept of Transportation Systems Management; a further detailing of the broad findings and recommendations of the Plan in plan refinement; and special purpose plans addressing such items as air quality, energy and the elderly and disabled.

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TASK 3100 - REGIONAL TRAFFIC STUDIES, ITS, AND INTERMODAL PLANNING

OBJECTIVE:

To provide planning services for highway and transit projects in the region designed to address immediate traffic and safety problems, and to conduct Intelligent Transportation Systems (ITS) planning. The Regional Transportation Plan identifies deficiencies in the region's transportation network. The deficiencies are shown in the plan including deficient bridges, dangerous intersections, congested highway corridors, and overcrowded transit facilities. Where specific projects have not been developed to correct these deficiencies, studies and intermodal planning will have to be undertaken to evaluate each problem in detail and to recommend the appropriate solution.

Under this task, Old Colony Planning Council will conduct traffic studies and intermodal planning to assist member communities and agencies in developing the appropriate solutions for any identified local transportation deficiencies. Old Colony Planning Council also anticipates undertaking traffic studies at selected intersections and along selected roadway corridors identified in the Old Colony Regional Transportation Plan or as part of the Congestion Management System, as warranting further study. Continually, Old Colony Planning Council receives several requests from communities to conduct traffic studies. For example, in the past, the town of Whitman requested that Old Colony Planning Council conduct a traffic study on Route 18 and the Whitman Town Center; Abington requested a circulation study in the center; and the town of Stoughton requested a circulation study in Stoughton center.

PREVIOUS WORK:

Route 58 Corridor Study; Route 139 Corridor Study; Stoughton Square By-Pass Study; Bridgewater Center Circulation Study; Intermodal Connector Analyses; Bourne Road Corridor Study; 2010 participation in development Regional Intelligent Transportation System Architecture for the Metro Boston Area and Southeastern Massachusetts Area; 2007 Old Colony Intelligent Transportation System Plan, and South Coast Rail Technical Assistance.

PROCEDURES:

1. The following is a list of potential projects, among others, that could be undertaken as part of this task but not limited to:
 - Route 14 Corridor Study
 - Route 123 Corridor Study
 - Regional Intersection Study
 - Stoughton Square Circulation Study
 - Sub-area Traffic Study
 - Various corridor-wide traffic studies
 - City/town center circulation studies
 - Follow-up studies to the Congestion, Pavement, and Safety Management Systems
 - Crash and Safety Studies
 - Intersection Sub-area Studies
 - Intermodal Connector Analysis (Intermodal interfaces examined for identification of necessary improvements)
 - Regional ITS Architecture Plan
 - Regional Casino Impact Study
 - Before and After Route 44 Study
2. Work under this task will include undertaking transportation studies at locations and developing specific reports as products for intermodal connectors as requested by local communities, FHWA, and/or MassDOT. Old Colony Planning Council will work with community officials, Massachusetts Department of Transportation, and MassDOT District 5, and stakeholders to develop a scope of service for the proposed study. FHWA is interested in the examination of intermodal connectors and the identification of necessary improvements.
3. For each project, staff will prepare a draft report, which outlines the Study's findings and recommendations. This report will be circulated to local officials as well as Massachusetts Department of Transportation and

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MassDOT District 5 for review and comment. These comments will be incorporated into a final report. The findings and recommendations contained in the final report will serve as the basis for including projects in the region's Transportation Improvement Program and Transportation Plan.

4. For ITS, activities to include: Promote the implementation of Intelligent Transportation System solution to regional transportation problems; Work with MassDOT, Southeastern Massachusetts Planning & Economic Development District, Brockton Area Transit, MBTA, and Cape Cod on implementing and refining Intelligent Transportation System Architectures for Southeastern Massachusetts and the Metro Boston Area; Complete Old Colony Intelligent Transportation System Plan; Compile available information, studies, and reports on Intelligent Transportation System strategies for the Old Colony Planning Council Region.

PRODUCT:

Intermodal Connector Analyses and Recommendations Report; South Coast Rail Technical Assistance; Studies to identify solutions to traffic congestion and safety deficiencies on roadways within the region; Regional ITS Architecture Plan; Participation in refinements to Regional Intelligent Transportation System Architecture for the Metro Boston Area and development of Southeastern Massachusetts Area Regional Intelligent Transportation System Architecture.

SCHEDULE:

To be carried out throughout the year.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$37,600	\$9,400	\$5,100	\$1,275			\$53,375

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TASK 3200 - LOCAL HIGHWAY TRANSPORTATION PLANNING TECHNICAL ASSISTANCE

OBJECTIVE:

To provide a quick and effective response mechanism to handle special, short-term transportation issues and/or projects as they arise. This will include the development, upon the written request from chief elected official of a local community or from state and federal agencies, of detail technical data and reports that will assist local communities and Massachusetts Department of Transportation in improving the region's transportation infrastructure.

PREVIOUS WORK:

Numerous Vehicle and Speed Classification Studies requested by Old Colony Planning Council communities; Route 123/Linwood/ Lorraine/ VA Hospital/ and Manley Streets Intersection analysis in Brockton; Washington Street (Route 138) and Elm Street Intersection Study in Easton; Route 138 and Route 106 Intersection Study in Easton; Foundry Street (Route 106) and Prospect Street Intersection Traffic Study in Easton; Heavy Vehicle Exclusion Study in Pembroke; Elm Street and Furnace Street in Halifax; Long Pond Road Speed Study in Plymouth; Kingston Pembroke Street School Zone Analyses; Clintonville Traffic Calming Study; Route 106 at Howard Street Traffic Study; Brockton Main Street RSA; Cranberry Road Traffic Study; Smith's Lane Traffic Study; Mattakeesett Traffic Study; Rout 36 at Oak Street Safety Study; South Street Safety Study; and, numerous other intersections warrant analysis, sight distance and crash analysis, traffic impact studies of land use, speed and vehicle classification studies.

PROCEDURES:

1. Provide technical planning assistance to member communities on highway, pedestrian, and bicycle transportation planning related matters in the form of meetings, data, and reports to local communities, Massachusetts Department of Transportation, and other local, state and federal agencies as the need arises. The Council staff shall perform work on specific short-range highway planning tasks including but not limited to: Intersection and capacity analysis; Road Safety Audits; SYNCHRO analysis; crash analysis; air quality analysis, both commuter and municipal parking analysis; carpool/vanpool analysis; trip generation estimation analysis, sight distance analysis, traffic impact analysis of proposed developments, traffic analysis studies, Geographic Information System, Global Positioning System, and Pictometry applications; and other short-range studies to determine the need for traffic signals, traffic signs, traffic markings and the use of one-way streets.

2. Maintain an up-to-date file of the Crash Information Data for the Old Colony Planning Council communities. Continue the collecting and reporting of crash statistics for the participating communities.

PRODUCT:

Local Technical Assistance Reports/ documents will be prepared. Appropriate, technical assistance to member communities and crash reporting for participating communities will be provided.

SCHEDULE:

To be carried out throughout the program year.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$40,000	\$10,000					\$50,000

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TASK 3300 – 2011 REGIONAL TRANSPORTATION PLAN (RTP) PHASE 2

OBJECTIVE:

To amend the 2007 Regional Transportation Plan (RTP) for the Old Colony Planning Council region as needed and develop the 2011 Regional Transportation Plan. The RTP identifies transportation issues/concerns and problems that will require improvements now or are expected to need additional attention in the future, and outline possible courses of action designed to facilitate these improvements. The Regional Transportation Plan will be submitted to the Joint Transportation Committee, local officials, Massachusetts Department of Transportation, Federal Highway Administration, Federal Transit Administration, and the public for review and comments, and the Old Colony Metropolitan Planning Organization for endorsement. The RTP will be consistent with regional growth policies, public investment decisions, the amended Clean Air Act (CAA), Americans with Disabilities Act and state air quality regulations. As requested by the U.S. DOT, the plan will include emphasis on the areas of safety and traffic congestion management.

PREVIOUS WORK:

2011 Regional Transportation Plan Phase I, surveys, public participation and consultation, and preparation of analyses and draft chapters.

PROCEDURES:

1. Develop the 2011 Regional Transportation Plan that will be consistent with the State Transportation Plan.
 - Incorporate the process described in 23CFR450.322 (g) into the public participation process.
 - Review and Refine Regional Goals, Policies and Objectives.
 - Review and update Regional Profile and Socio-Economic Data.
 - Review and refine the 10-20 year population and employment forecasts.
 - Develop land use component of the plan and include recommendations.
 - Refine plan based on improved modeling efforts and Journey-to-Work data and other new data inputs.
 - Develop regional highway and regional transit sections. This shall include identify existing and future needs. Evaluate current and future demand, identify deficiencies, and evaluate alternative improvement strategies and recommendations for all facilities.
 - Assess regional congestion and identify priority locations for in-depth study in the FFY 2011 Unified Planning Work Program.
 - Develop bicycle and pedestrian section.
 - Develop freight and goods mobility section.
 - Develop short and long-range transportation improvement and incorporate transportation evaluation criteria.
 - Review State Transportation Plan and include goals, policies, and procedures as appropriate.
 - Develop recommendations of the plan in relation to the recommended strategies in the State Implementation Plan and State Transportation Plan.
 - Develop financial section and provide cost estimates for short and long-range recommendations.
2. Include recommendations from other transportation studies conducted during the previous three years; including but not limited to: Old Colony Planning Council's Regional Transportation and Land Use Policy Plan; Kingston, Plymouth and Plympton Transportation Induced Growth Impact Study; and Brockton Central Area Traffic Study.
3. Develop and refine the financial section of the plan. Each project and/or program appearing in the transportation plan will have an identified source of funding that can reasonably be assumed to be available for implementation. Staff will develop cost estimates for projects appearing in the long-range element of the plan. Additionally, the staff will make the financial section more clearly define projects that are design to preserve the existing transportation infrastructure. Staff will also examine in greater detail the following basic activities required to produce a Regional Transportation Plan:
 - Assessment of current financial condition.
 - Projections of future financial requirements for operation and maintenance.

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- Assessment of ability to meet future financial requirements, based on analysis of existing revenue sources.
 - Identification of potential revenue sources to meet possible future shortfalls, including innovative financing methodologies.
 - Analyses of existing and future revenue sources, to include long-term availability and sensitivity to external factors.
 - Forecasts of baseline transportation system costs for use in making service and investment decisions.
4. Combine revised working papers into a comprehensive Regional Transportation Plan; conduct public outreach and meetings in accordance to the Public Participation Plan; Distribute plan to federal and state agencies for review and comment.
 5. Public Participation: conduct public meetings through the Old Colony Joint Transportation Committee and Old Colony Planning Council, which will be the basis for gaining input from citizens, business community, special interest groups, and local officials on the transportation issues facing the region. Public outreach will be in accordance with Old Colony’s Public Participation Plan.

PRODUCT:

2011 Regional Transportation Plan Phase 2

SCHEDULE:

To be carried out throughout the year and Phase 2 completed by April 2011.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$32,000	\$8,000	\$4,300	\$1,075			\$45,375

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TASK 3400 – BICYCLE AND PEDESTRIAN CONNECTIVITY AND LIVABILITY STUDY

OBJECTIVE:

To provide an analysis of the bicycle and pedestrian network within a livability context. The process includes collecting data through bicycle level of service (BLOS), pedestrian level of service (PLOS), and intersection analysis. The data inventory will be developed in village centers, downtowns, and in proximity to schools, transit and commuter facilities, and community facilities and assist in the determination of measurements of livability.

PREVIOUS WORK:

Regional Bicycle and Pedestrian Plan, Congestion Management Process; Safety Management System; Regional Traffic Studies; Local Technical Assistance Studies; Regional Transportation Plan; Corridor Studies.

PROCEDURES:

1. Existing Conditions and Problem Identification
All relevant and attainable data will be collected and reported during this phase of the project. Relevant data to the project will include any data that has an impact on current conditions and levels of service along in village centers, downtowns, and in proximity to schools, transit and commuter facilities, and other community facilities. Data collection techniques to be utilized during this phase will include but are not limited to automated traffic counts, turning movement counts, windshield surveys, survey of land use maps, ADA accommodations review, and analysis of crash data, and travel time studies. The data compiled for the existing conditions will be tested to document the deficiencies along the highways, transit links, pedestrian and bicycle facilities, and to identify there causes and their impact on bicycle and pedestrian connectivity and flow, safety, and accessibility. This section will validate or disprove current perceived problems within the study area.

2. Forecast Conditions and Future Problems
Traffic volumes, pedestrian volumes, population, area employment, turning movements, and other factors affecting travel may be forecasted to determine the future conditions and performance of the system if no action is taken. Reviewing past trends and comparing them to the current conditions will complete forecasts. Problems will be examined to determine the effects forecasted traffic conditions will have on them. Areas that are not currently identified as traffic problem areas, but considered borderline, will be examined in order to determine if future operations will be below acceptable levels.

3. Alternatives Development
Various alternatives for mitigation will be developed specific to problems identified in the study areas. These alternatives will include recommendations that are cost effective as well as recommendations that will produce the closest to Ideal conditions. The work completed under this task is the development of various plans to improve bicycle and pedestrian connectivity and levels of service.

4. Prepare Conclusions and Recommendations
The product is a study that provides a framework for the alleviation traffic congestion and improvement safety for bicycles and pedestrians on the local and numbered routes, and to provide information for the stakeholders to move projects forward in the initiation phases. A report will include program that will outline how and when recommendations of the plan will be implemented and identify potential funding sources.

PRODUCT:

Preparation of Bicycle and Pedestrian Connectivity and Livability Study

SCHEDULE:

To be completed by October 2011.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$33,600	\$8,400	\$4,400	\$1,100			\$47,500

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TASK 3500 – CLIMATE CHANGE ROADWAY DRAINAGE AND RUNOFF PROGRAM

OBJECTIVE:

To provide an analysis of roadway drainage facilities located in environmentally sensitive areas on federal aid eligible roads. The efforts will include an overview of each community’s environmentally and road network information. The sites will be located, mapped, and verified through municipal contacts. This will be followed by an analysis of on site drainage facilities that include condition, type, location, function, surrounding conditions, and environmental attributes. New EPA Phase II Storm Water Regulations were signed into law on October 29, 1999 went into effect in March 2003. This includes communities with population of 10,000 persons or less, and those with population densities of 1,000 persons per square mile. The regulations require communities to locate and map environmentally sensitive information, within areas specified by EPA, and that fall within the population parameters (EPA 833-F-99-001/ April 1999).

PREVIOUS WORK:

Regional Transportation Plans; Regional Priority Development Areas and Regional Priority Preservation Areas; Climate Change Transportation Impact Study

PROCEDURES:

- Identify and locate roadway drainage facilities located in environmentally sensitive areas
- Verify facilities with local officials and contacts and conduct physical inventory
- Develop and refine GRRIP Database
- Develop geographic analyses and attribute analysis of drainage facilities that includes capacity and adequacy structures with regard to intense storm events and climate change
- Develop local and regional map series and related reports that include prioritized recommendations

PRODUCT:

Climate Change Roadway Drainage and Runoff Report

SCHEDULE:

To be completed by October 2011.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$33,600	\$8,400					\$42,000

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TASK 3600 – MAJOR BOTTLENECK IN DEPTH ANALYSIS AND ACTION PLAN

OBJECTIVE:

To identify, quantify, study in depth three major bottlenecks among limited access highways, arterials, and town centers and develop short term and long-term action to be undertaken that will enhance the circulation and traffic flow efficiency. For the purpose of this study, a bottleneck is as a condition that restricts the free movement of traffic, thus creating a point of congestion during specific periods. Addressing and alleviating this congestion in the highway system would enhance the movement of people and goods. Staff will review volume to capacity ratios, level of services and public input as part of the identification process. In addition, staff will utilize the congestion management process to assist the identification and the development of the short and long-term recommendations.

PREVIOUS WORK:

Congestion Management Process; Regional Traffic Count Program; Level of Service Analyses; Regional Corridor Studies; Access Management Plan; Regional Transportation Plan; Major Bottleneck Identification Study.

PROCEDURES:

1. Documentation of Existing Conditions
Develop documentation of existing condition thought in depth analysis for three major bottlenecks among limited access highways, arterials, and town centers. The process shall utilize the Congestion Management Process, the 2007 Regional Transportation Plan, Regional Travel Demand Models, Travel Time Studies, and Corridor Studies. All relevant and attainable data will be collected and reported during this phase of the project. Data, such as, average daily traffic, peak period volumes, and levels of service, crashes rates, trip generators, land uses, on locations will be catalogues, summarized and ranked. The data compiled for the existing conditions will be tested to document the deficiencies along the facilities, and to identify their causes and their impact on traffic flow, and accessibility. This section will validate or disprove current perceived problems within the study area.

2. Short Term and Long Term Improvements Development
Various alternatives for mitigation or alleviation will be developed specific to problems identified in the identified bottleneck areas. These alternatives will include recommendations that are cost effective as well as recommendations that will produce the closest to ideal conditions. Consideration will be given to operations and maintenance techniques, the incidental and routine causes of congestion, and access management. The promotion of efficient system management and operations is one of the SAFETA-LU planning factors seeking to integrate this concept in the existing planning process.

3. Prepare Conclusions and Recommendations
The product of this Task is a Plan that provides a framework for the alleviation traffic congestion on the locations identified, and to provide the necessary information for the stakeholders to move projects forward in the initiation phases. Old Colony Planning Council will prepare a final plan, which will include an implementation program that will outline how and when recommendations of the plan will be implemented and identify potential funding sources. A short-range plan will be recommended for immediate implementation, and a long-range plan will serve as the basis for including projects in the region's Transportation Improvement Programs, and Regional Transportation Plans, and beyond.

PRODUCT:

Preparation of the Major Bottleneck in Depth Analysis and Action Plan, which will include conclusions and recommendations.

SCHEDULE:

To be carried out throughout the year and Phase 1 completed by October 2011.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
\$34,400	\$8,600					\$43,000

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4000 - OTHER TRANSPORTATION TECHNICAL ACTIVITIES

In the course of conducting transportation and transportation related planning activities, it is often the case that certain activities are called for which do not fit into the existing work program elements. When this is the case, those activities are programmed under the element heading of Other Transportation Technical Activities.

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TASK 4100 - TRANSIT TECHNICAL ASSISTANCE

OBJECTIVE:

To respond to short-range transit planning needs upon request from member communities and/or the BAT, GATRA, and MBTA. To maintain a current database for the region's transit system in order to provide an accurate basis for future forecasting, planning and program analysis, and project evaluation. To maintain and update the Old Colony Human Service Coordination Plan, and to conduct annual JARC and New Freedom solicitations, reviews, rankings, and related coordination.

PREVIOUS WORK:

BAT - Fare Elasticity Study; Fixed Route Ridership Analyses; Title VI Studies; Air quality analysis for Congestion Mitigation and Air Quality and Transportation Demand Management proposals; Rockland Transit Feasibility Study; System Time Study; Route 2A Analysis; Paratransit Expansion; and Human Services Coordination Plan.

GATRA - Ridership analysis; Human Services Coordination Plan.

Other - Assisted Communities, COAs and other public and private agencies with the Section 5310, 5317, and Mobility Assistance Program; Transit Directories; RTA Fare Comparison; Queset Commons Transit Study, Rockland Transit Study.

PROCEDURES:

1. Provide technical planning assistance to transit providers and member communities on transit matters. This assistance can take the form of assistance in meeting federal reporting requirements; in assessing and evaluating routes; Title VI update; schedule and fare changes; assessing manpower and equipment needs; access-to-jobs; 2000 and 2010 census update; needs assessment study; provide and improve Brockton Area Transit's analytical and forecasting capabilities; assist Brockton Area Transit with the Americans with Disabilities Act Plan update, Title VI Trend Analysis, Service Area Demographic Trend Profile, etc.
2. Provide technical planning assistance to area communities outside the transit authority district, on transit matters. This assistance can take the form of helping the towns in assessing potential membership in a transit authority; assisting the communities in providing for private carrier service; identifying and assessing park-and-ride lots; assessing commuter rail lots; encouraging private enterprise participation; encouraging minority business participation; 2000 and 2010 census and journey-to-work update, etc.
3. Prepare information as needed for FTA reports, State Implementation Plan submissions, MassDOT reports, and other routine reporting.
4. Provide transit input into regional transit and transportation modeling efforts, and Conduct air-quality analysis as needed for transit projects.
5. Review, update, and expand transit section of the regional transportation plan as needed.

PRODUCT:

Provide technical assistance to BAT, GATRA, MBTA, SSCAC, and to area communities as needed, and information for compliance with federal and state requirements for the TIP, Human Service Coordination Plan, JARC and New Freedom Program Solicitation, Regional Model, and Regional Transportation Plan updates.

SCHEDULE:

To be carried out throughout the year.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
		\$26,397	\$6,599			\$32,996

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TASK 4200 - ELDERLY AND DISABLED SUPPORT AND ASSISTANCE
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OBJECTIVE:

To ensure the accessibility to public transit services for the elderly and disabled. To attend meetings of the elderly and disabled committees. To provide technical assistance to Brockton Area Transit, Greater Attleboro-Taunton Transit Authority, region's municipalities, human service agencies, Councils on Aging, private non-profit agencies, and other parties involved in meeting special transportation needs. To maintain and update the Old Colony Human Service Coordination Plan, and to conduct annual New Freedom solicitations, reviews, rankings, and related coordination.

PREVIOUS WORK:

Elderly and disabled Neighborhood Sourcebook; Technical assistance to public and private non-profit organizations in preparing Federal Transit Administration applications for Section 5310, Section 5317, and Mobility Assistance; Regional map of the Old Colony Planning Council area showing the locations with high density of elderly population (60+); Compilation of 1990 and 2000 US Census data of elderly population; Brockton Area Transit Route Ridership Analysis; Brockton Area Transit Title VI Study; Brockton Area Transit Fare Elasticity Study; Air quality analysis for CMAQ proposals; Human Services Coordination Plan.

PROCEDURES:

1. Continue to provide assistance and guidance to applicants for section 5310 and Mobility Assistance Program in preparing applications and coordinating service.
2. Provide technical assistance to public and private non-profit agencies in the development, maintenance, and expansion of the elderly and/or disabled services in the region.
3. Continue to provide support for the replacement of Section 5310 and Mobility Assistance Program vehicles, which have outlived their usual life.
4. Continue efforts to coordinate existing transportation services for the elderly and disabled, as provided by numerous public and private non- profit agencies in Old Colony Planning Council Region.

PRODUCT:

Human Service Coordination Plan, List of eligible section 5310, and Mobility Assistance applicants, support of program applications (on going), New Freedom Solicitation.

SCHEDULE:

To be carried out throughout the year.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
		\$24,000	\$6,000			\$30,000

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TASK 4300 - BAT PLANNING, TECHNICAL ASSISTANCE, AND STUDIES
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OBJECTIVE:

To provide transit-planning services, prepare technical studies and provide assistance in other planning related activities that are called for during the year which presently are not specifically identified in work program.

PREVIOUS WORK:

Brockton Area Transit fixed-route ridership analyses; Brockton Area Transit Farebox Analyses; Title VI Report; Brockton Area Transit Fare Elasticity Study; Air quality analysis for Congestion Mitigation and Air Quality and Transportation Demand Management proposals; Route 2A Study; Rockland Transit Feasibility Study; System Time Study; Human Services Coordination Plan.

PROCEDURES:

1. Develop a detail study(s) design/estimated work time effort and cost for planning tasks requested by Brockton Area Transit and agreed to by Old Colony Planning Council. The following is a list of planning/projects that could be undertaken as part of this task: Americans with Disabilities Act Plan Update; Route Evaluation Study/Survey; Fare Increase Analysis; Title VI Report Update; Title VI Trend Analysis; Transfer Study; Financial Plan Update; Demographic/Urban Area Analysis; Manley Street Industrial Park Route Analyses; Technical assistance to Brockton Area Transit, as needed, on the Intermodal Facility; Brockton Area Transit/Greater Attleboro-Taunton Transit Authority (Brockton/Taunton) Intercity Feasibility Study; Avon/Stoughton Route extension planning; Fare Modeling Study; Massasoit Study; and, Stoughton Fixed Route Study.
2. Undertake planning and related study(s) in accordance with study design.
3. Prepare reports, maps, charts, etc. covering the work effort.

PRODUCT:

Planning services; Paratransit plan in conformity with Americans with Disabilities Act requirements; Route evaluation study; Fixed Route Ridership Report; South Shore Medical Transportation Options Study; Avon/Stoughton Route extension planning; Bridgewater State College Transit Route Expansion Study; Massasoit Reverse Commute Study.

SCHEDULE:

To be carried out throughout the year. Schedules are contract dependent.

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
				\$30,000		\$30,000

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TASK 4400 – SOUTH COAST RAIL TECHNICAL ASSISTANCE
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OBJECTIVE:

To provide South Coast Rail transit planning services, prepare technical studies and provide assistance in other planning related activities that are called for during the year which presently are not specifically identified in work program.

PREVIOUS WORK:

Regional Transportation Plan; Ridership Reports; South Coast Rail Technical Assistance.

PROCEDURES:

Provide South Coast Rail Technical Assistance to member communities within rail corridor (Bridgewater, Easton, and Stoughton).

PRODUCTS:

South Coast Rail Technical Assistance.

SCHEDULE:

FUNDING:

FHWA PL	MassDOT	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
					\$22,310	\$22,310

**OLD COLONY METROPOLITAN PLANNING ORGANIZATION
FFY 2011 UNIFIED PLANNING WORK PROGRAM**

OTHER OLD COLONY PLANNING COUNCIL FUNDING SOURCES AND PLANNING STUDIES

The Old Colony Planning Council is a comprehensive planning agency serving 15 communities located in Southeastern Massachusetts. In addition to the range of transportation planning studies and activities described in this report, Old Colony Planning Council performs land use, economic development, elder services, environmental, and, comprehensive planning.

Summary of Other Old Colony Planning Council Fund Resources

1. Economic Development Administration	\$62,000
2. Executive Of Elder Affairs	
Administration	\$163,000
Ombudsman Program	\$150,000
3. Direct Local Technical Assistance	\$104,000
4. Septic Repair Program	\$20,000
5. Pre-Disaster Mitigation Plan	\$75,000
6. Regional Strategic Plan	\$40,000

OTHER ONGOING TRANSPORTATION PLANNING STUDIES

1. Downtown Brockton 2-Way Traffic Implementation
2. South Weymouth Naval Air Station Reuse - The Village Center Plan
3. Plympton Industrial Park Development Plan
4. South Coast Rail Commuter Rail Extension to Fall River and New Bedford
5. Statewide Rail and Freight Plan
6. Statewide Transportation Plan

**OLD COLONY METROPOLITAN PLANNING ORGANIZATION
FFY 2011 UNIFIED PLANNING WORK PROGRAM**

TRANSPORTATION PLANNING STAFF

The following Old Colony Planning Council staff members will be working on the FFY 2011 Unified Planning Work Program and the percent efforts represents the approximate time devoted to the 3C Transportation Planning Tasks.

<u>Names</u>	<u>Title</u>	<u>% Efforts</u>
Pat Ciaramella	Executive Director	10%
Charles Kilmer	Transportation Program Manager	100%
Eric Arbeene	Planner	75%
Caleb Cornock	Transportation Intern	100%
Jed Cornock	Transportation Planner	100%
Raymond Guarino	Transportation Planner	100%
Bruce Hughes	Economic Development/ Community Planner	25%
Rodrigo Marion	Transportation Planner	100%
William McNulty	Transportation Planner	100%
Susan McGrath	GIS Coordinator	75%
Kyle Mowatt	Transportation Intern	100%
Andrew Vidal	Communications/ GIS/ and IT Specialist	75%
James Watson	Comprehensive Planning Supervisor	25%
Vacant	Transportation Planner	100%
Vacant	Transportation Intern	100%

**OLD COLONY METROPOLITAN PLANNING ORGANIZATION
STATUS OF PL EXPENDITURES**

OCPC - ALLOCATIONS (PL\$)				OCPC - EXPENDITURE - (PL\$)			
Fiscal Year	Yearly	Cumulative		Contract Number	Amount	Spent	Cumulative Spent
1974	\$49,362	\$49,362		17715	\$49,000	\$49,000	\$49,000
1975	\$51,152	\$100,515					
1976	\$51,431	\$151,946		18331	\$110,000	\$115,799	\$164,799
1977	\$77,573	\$229,520					
1978	\$78,473	\$307,992		19371	\$164,000	\$164,000	\$328,799
1979	\$81,393	\$389,385					
1980	\$84,255	\$473,640		20693	\$165,000	\$156,510	\$485,309
1981	\$85,845	\$559,486					
Supplemental 74-81	\$66,581	\$626,067		22118	\$81,750	\$74,565	\$559,874
1982	\$87,167	\$713,234					
1983	\$102,653	\$815,887		22703	\$357,600	\$354,971	\$914,845
1984	\$108,221	\$924,107					
1985	\$112,431	\$1,036,538		84876	\$381,000	\$276,561	\$1,191,406
1986	\$112,541	\$1,149,079					
1987	\$104,488	\$1,253,568		89200	\$680,000	\$436,692	\$1,628,098
1988	\$105,390	\$1,358,958					
1989	\$105,390	\$1,464,348		93200	\$888,082	\$553,579	\$2,181,678
1990	\$102,238	\$1,566,586					
ISTEA 1991	\$105,157	\$1,671,743		96269	\$1,310,648	\$1,067,850	\$3,249,528
1992	\$261,552	\$1,933,295					
1993	\$313,073	\$2,246,368		30050	\$1,816,297	\$1,327,216	\$4,576,744
1994	\$311,482	\$2,557,850					
1995	\$310,675	\$2,868,525		4034021	\$2,020,836	\$1,814,941	\$6,391,685
1996	\$307,410	\$3,175,935					
1997	\$352,074	\$3,528,009		0052455	\$2,813,921	\$2,526,672	\$8,918,357
ISTEA 12-Mar-1998	\$175,971	\$3,703,980					
TEA21 12-Sep-1998	\$369,013	\$4,072,993					
5-Mar-1999	\$425,167	\$4,498,160					
15-Jul-2000	\$436,000	\$4,934,160					
6-Jun-2001	\$444,000	\$5,378,160					
6-Feb-2002	\$444,446	\$5,822,606					
30-Sep-2003	\$460,000	\$6,282,606					
30-Sep-2004	\$504,250	\$6,786,856					
SAFETEA-LU 30-Sep-2005	\$505,200	\$7,292,056					
30-Sep-2006	\$633,879	\$7,925,935					
30-Sep-2007	\$636,800	\$8,562,735					
30-Sep-2008	\$652,800	\$9,215,535					
30-Sep-2009	\$677,900	\$9,893,435					
30-Sep-2010	\$674,193	\$10,567,628					

*Estimate to 9/30/2010

Total to date PL\$ Allocation (Cumulative Estimate)	\$9,893,435
Total to date Spent (Cumulative Estimate)	\$8,918,357
OCPC "PL" Balance as of 09/30/2010	\$975,078
FFY 2011 UPWP (PL\$) Estimate of Expenditures	\$674,193
Estimated "PL" Balance as of 09/30/2011**	\$300,885

** Assumes spending of \$674,193 under FFY 2011 UPWP, and any deobligations and rescissions amounts

**OLD COLONY METROPOLITAN PLANNING ORGANIZATION
FFY 2011 UPWP BUDGET ESTIMATES**

ELEMENT TASK DESCRIPTION	FHWA PL	MassDOT NFA	FTA 5303	OCPC	BAT	MassDOT SCR	TOTAL
1000 - Management & Support of Planning and Certification Activities							
1100 3C Program Support	\$ 42,554	\$ 10,639	\$ 5,400	\$ 1,350	\$ -	\$ -	\$ 59,943
1200 Unified Planning Work Program (UPWP)	\$ 8,800	\$ 2,200	\$ 1,200	\$ 300	\$ -	\$ -	\$ 12,500
1300 Public Participation Program (PPP)	\$ 36,000	\$ 9,000	\$ 4,700	\$ 1,175	\$ -	\$ -	\$ 50,875
1400 Transportation Improvement Program (TIP)	\$ 27,200	\$ 6,800	\$ 3,700	\$ 925	\$ -	\$ -	\$ 38,625
1500 Environmental Justice (EJ)	\$ 12,000	\$ 3,000	\$ 1,600	\$ 400	\$ -	\$ -	\$ 17,000
Element 1000 Subtotals	\$ 126,554	\$ 31,639	\$ 16,600	\$ 4,150	\$ -	\$ -	\$ 178,943
2000 - Data Reconnaissance, Acquisition, and Analysis Activities							
2100 Demographic Surveillance & Road Inventory Update	\$ 27,200	\$ 6,800	\$ 3,600	\$ 900	\$ -	\$ -	\$ 38,500
2200 Highway Data Surveillance	\$ 39,200	\$ 9,800	\$ -	\$ -	\$ -	\$ -	\$ 49,000
2300 System Planning and Resource Activities	\$ 23,200	\$ 5,800	\$ 2,900	\$ 725	\$ -	\$ -	\$ 32,625
2400 Geographic Information System (GIS)	\$ 44,000	\$ 11,000	\$ 5,800	\$ 1,450	\$ -	\$ -	\$ 62,250
2500 Modeling and Forecasting	\$ 28,000	\$ 7,000	\$ 4,100	\$ 1,025	\$ -	\$ -	\$ 40,125
2600 Management Systems	\$ 40,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Element 2000 Subtotals	\$ 201,600	\$ 50,400	\$ 16,400	\$ 4,100	\$ -	\$ -	\$ 272,500
3000 - Short and Long Range Transportation Planning Activities							
3100 Regional Traffic Studies, ITS, and Intermodal Planning	\$ 37,600	\$ 9,400	\$ 5,100	\$ 1,275	\$ -	\$ -	\$ 53,375
3200 Local Highway Transportation Technical Assistance (LTA)	\$ 40,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000
3300 2011 Regional Transportation Plan (RTP) Phase 2	\$ 32,000	\$ 8,000	\$ 4,300	\$ 1,075	\$ -	\$ -	\$ 45,375
3400 Bicycle and Pedestrian Connectivity and Livability Study	\$ 33,600	\$ 8,400	\$ 4,400	\$ 1,100	\$ -	\$ -	\$ 47,500
3500 Climate Change Roadway Drainage and Runoff Program	\$ 33,600	\$ 8,400	\$ -	\$ -	\$ -	\$ -	\$ 42,000
3600 Major Bottleneck In Depth Analysis and Action Plan	\$ 34,400	\$ 8,600	\$ -	\$ -	\$ -	\$ -	\$ 43,000
Element 3000 Subtotals	\$ 211,200	\$ 52,800	\$ 13,800	\$ 3,450	\$ -	\$ -	\$ 281,250
4000 - Other Transportation Technical Activities							
4100 Local Transit Technical Assistance	\$ -	\$ -	\$ 26,397	\$ 6,599	\$ -	\$ -	\$ 32,996
4200 Elderly and Disabled Support and Assistance	\$ -	\$ -	\$ 24,000	\$ 6,000	\$ -	\$ -	\$ 30,000
4300 BAT Planning, Technical Assistance, and Studies	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000
4400 South Coast Rail Technical Assistance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,310	\$ 22,310
Element 4000 Subtotals	\$ -	\$ -	\$ 50,397	\$ 12,599	\$ 30,000	\$ 22,310	\$ 115,306
Total of All Elements	\$ 539,354	\$ 134,839	\$ 97,197	\$ 24,299	\$ 30,000	\$ 22,310	\$ 847,999