

**CAPE COD COMMISSION
CAPE COD METROPOLITAN PLANNING ORGANIZATION**

Unified Planning Work Program
for
Transportation Planning Activities

October 1, 2003 - September 30, 2004

Metropolitan Planning Organization Members

Daniel A. Grabauskas, Secretary, Executive Office of Transportation & Construction
John Cogliano, Commissioner, Massachusetts Highway Department
Robert W. Parady, Chair, Cape Cod Regional Transit Authority
Susan Kadar, Chair, Cape Cod Commission

Transportation Advisory Group:
Cape Cod Joint Transportation Committee
Robert A. Burgmann, Chair

**Metropolitan Planning Organization Endorsement Date:
August 27, 2003**

Printed

Prepared in Cooperation with the Executive Office of Transportation & Construction, the Massachusetts Highway Department and the U.S. Department of Transportation, Federal Highway Administration.

Cape Cod Metropolitan Planning Organization (MPO)

UNIFIED PLANNING WORK PROGRAM (UPWP)

October 1, 2003 through September 30, 2004

The signatures to follow certify that the Cape Cod Metropolitan Planning Organization (MPO), at their meeting on August ____, 2003, hereby approves the following action in accordance with the Comprehensive, Cooperative and Continuing transportation planning process:

In accordance with the requirements of 23 CFR Part 450 Section 310 of Federal Regulations, the MPO for Cape Cod has completed its review and hereby endorses the Cape Cod Unified Planning Work Program for Transportation Planning Activities for October 1, 2003 through September 30, 2004.

SIGNATORY CERTIFICATION:

Daniel A. Grabauskas, Secretary
Executive Office of Transportation and Construction

Date

John G. Cogliano, Commissioner
Massachusetts Highway Department

Date

Susan Kadar, Chair
Cape Cod Commission

Date

Robert W. Parady, Chair
Cape Cod Regional Transit Authority

Date

Cape Cod Joint Transportation Committee Members

Robert A. Burgmann, PE	Barnstable
Richard Lafarge	Bourne
Allan Tkaczyk	Brewster
Jeff Colby	Chatham
Joseph Rodricks, PE	Dennis
Steve Douglas	Eastham
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Sue Leven	Harwich
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Maggie Geist	Assoc for the Preservation of Cape Cod

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• 2004 Cape Cod Unified Planning Work Program • October 1, 2003 to September 30, 2004 •

INTRODUCTION

This Unified Planning Work Program (UPWP) was developed by the Cape Cod Commission transportation staff on behalf of the Cape Cod Metropolitan Planning Organization, in accordance with the Public Participation Plan for Cape Cod. The UPWP describes all significant transportation activities planned to be performed on Cape Cod over the twelve (12) month period in the following areas:

- 1) **Management and Support of the Planning Process and Certification Activities** - the efforts required for coordinating transportation planning activities between CCC and Metropolitan Planning Organization (MPO) member communities, local, regional, state and federal agencies; efforts required to maintain the public participation process; efforts required for the administration of the CCC contract with the Massachusetts Highway Department (MassHighway) and the Executive Office of Transportation & Construction (EOTC); development and approval of the Unified Planning Work Program and the Transportation Improvement Program.
- 2) **Data Collection & Analysis Activities** - to continually gather and update traffic, accident and road data necessary for transportation planning and analysis; to maintain databases, to develop and update Cape Cod's travel demand forecasting model, to assist the state in the development and implementation of a pavement management system for federal aid roadways, a congestion management system, and an intermodal management.
- 3) **Short and Long Range Transportation Planning** -efforts to update and maintain the Regional Transportation Plan for Cape Cod, a certification activity that requires a new plan every three years. Also efforts to perform special planning studies of corridor safety/traffic flow and transit. Also integration of special studies into the regional transportation plan.
- 4) **Other technical activities** - to provide other technical assistance to the region, including assistance in the design and implementation of projects, pavement management, participating in special studies and assistance in the planning, design and development of the Intelligent Transportation System for Cape Cod.
- 5) **Regulatory review and planning assistance to the Towns**- Review of Developments of Regional Impact and assistance in the development and implementation of Local Comprehensive Plans and Districts of Critical Planning Concern.
- 6) **Other tentative planning efforts** - Efforts that have received preliminary approval that may be initiated during the UPWP period, including Cape Cod Transit Task Force Long Range Transit Plan, the Route 6A/Scenic Byways Program, the Cape & Islands Rural Roads Initiative and the Multimodal Transportation Study.
- 7) **Cape Cod Regional Transit Authority** - Cape Cod Advanced Public Transportation System Project.

TASK #1 - MANAGEMENT AND SUPPORT OF THE PLANNING PROCESS AND CERTIFICATION ACTIVITIES

Task 1.1 - Unified Planning Work Program (Certification Activity)

Objectives: To develop a Unified Planning Work Program (UPWP) that describes the transportation planning activities to be performed under MassHighway and EOTC contracts with CCC. To obtain MPO endorsement of the UPWP.

Previous Work: Previous UPWPs (most recent MPO endorsed UPWP: August 2002)

Procedures: In conformance with applicable Federal and State guidelines, prepare a UPWP which describes all transportation and transportation-related planning activities anticipated to be carried out by CCC during the period, regardless of funding sources. Maintain the UPWP and make amendments as necessary.

Products: Unified Planning Work Program for Transportation Planning Activities for the period October 1, 2004 to September 30, 2005. Amendments to the current UPWP will be submitted as necessary. Monthly progress reports on MHD activities performed under the UPWP.

Schedule: Draft UPWP submitted to CCJTC June, 2004.
Draft UPWP submitted to MPO July, 2004.
Final UPWP submitted to MPO September, 2004.
Monthly progress reports.

Funding/Staffing breakdown:

Funding Source	Amount	CCC Staffing
FHWA/MassHighway	\$ 6,500	3.25 person-weeks

Task 1.2 - Transportation Improvement Program (Certification activity)

Objectives: To prepare a program of transportation improvement projects that is consistent with the region's transportation plan, the State Implementation Plan for FY 1995, EPA's Air Quality Conformity Regulations and FHWA/FTA's Planning Regulations. The Transportation Improvement Program (TIP) will include a three year program of projects for FY 2004 through 2006. The TIP will be endorsed by the Metropolitan Planning Organization (MPO) in accordance with federal regulations and the region's Public Participation Plan.

Previous Work: "Transportation Improvement Programs for Cape Cod", 1988 to present; latest endorsed (August, 2002) document covers the period of federal fiscal years 2003-2007.

Procedures:

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I. TIP procedures

To continue to participate in a committee of Regional Planning Agency (RPA) Directors and the Transportation Program Managers Group to implement a process that will equitably allocate transportation funds throughout the Commonwealth and attempt to develop a ranking procedure that each RPA might agree to use.

II. Preparation of the draft TIP

A. General

1. The TIP is a staged, multi-year, intermodal program of transportation projects which are consistent with the regional transportation plan. It is a management and project tracking tool that is used to monitor the progress in implementing the Regional Transportation Plan.
2. Insure early involvement of local legislators, major transportation providers, elected officials and citizens through adherence with the Plan for Public participation.
3. Provide technical assistance to municipalities and private interests in developing projects and priorities.
4. Coordinate with MassHighway District 5, MassHighway Planning and the Capital Expenditure and Program (CEPO) office in developing project information.
5. Include sections on:
 - a) The relationship of the TIP to the Regional Transportation Plan.
 - b) Description of funding categories and amounts of federal funds proposed to be obligated during each program year.
 - c) Previously funded projects and programs, and an identification of any significant delays in the planned implementation of major projects.
 - d) A description of the criteria and process for ranking projects.
 - e) Air quality significance and the relationship of the TIP to the State Implementation Plan (SIP).
 - f) A description of progress in implementing any required Transportation Control Measures (TCM's), including reasons for any significant delays in the planned implementation and strategies for ensuring their advancement.
 - g) A list of all projects found to conform in a previous TIP and are now part of the base case for the purpose of the air quality conformity analysis.
 - h) A financial plan that compares revenue needs to revenue sources for highway and transit programs.

B. Development of the three year program of projects according to a uniform statewide format.

1. Update the list of transit, highway, or air quality projects that are expected to require federal transportation funds for planning and engineering, construction or purchase during the fiscal years the TIP is prepared for.
 - a) Prepare a list of all regionally significant transportation projects or programs that

require FHWA or FTA approval that are not using federal transportation funds.

b) For information purposes list all regionally significant transportation projects proposed to be funded with federal funds other than from FHWA or FTA.

c) For informational purposes list all regionally significant transportation projects.

2. The list of projects may include information such as the following:

a) The official MassHighway/EOTC identifying project title.

b) Project description,

c) Regional priority

d) Estimated total cost.

e) The amount of federal funds proposed to be obligated during each program year.

f) Proposed sources of federal and non-federal funds.

g) Identification of the recipient/sub-recipient and the State and local agencies responsible for carrying out the project.

h) Identification of those projects which are identified as TCM's in the SIP.

3. Project information shall be of sufficient detail to permit air quality analysis in accordance with US EPA conformity requirements.

4. Prepare location maps of Cape Cod with federal aid projects in the annual element.

5. The total costs of projects seeking federal funds in each program year shall be in line with anticipated federal funds.

C. AIR QUALITY

Prepare all documentation necessary for air quality conformity determination required by the Clean Air Act Amendments of 1990.

1. A review of the past year's accomplishment within the transportation element of the SIP.

2. A quantitative air quality analysis of all major TIP construction projects. Major air quality projects are defined as those which change vehicular speed or effect travel delay; as promulgated and endorsed by the State Air Quality Task Force. This analysis will include projects which require an EIS, EIR or Finding of No Significant Impact (FONSI); and will utilize methodology endorsed by the State Air Quality Task Force. The analysis to support the TIP will be based on a network-based transportation demand model which will be used to compare the build alternatives to the no-build alternative relative to air quality impacts.

D. PUBLIC PARTICIPATION

1. There will be reasonable opportunity for public comment in accordance with the Plan for Public Participation.

2. At least one formal public meeting will be held during the TIP development process.
3. The proposed and approved TIP will be published or otherwise made readily available for information purposes.

Note: The public meeting on the Transportation Improvement Program shall serve as the required public hearing for routine, traditional Section 5307 grants as determined by the Public Participation Plan for Cape Cod endorsed by the Cape Cod Metropolitan Planning Organization. Projects requiring an environmental assessment or an environmental impact statement will require additional public involvement, in accordance with the joint FHWA/FTA environmental regulations, 23 CFR part 771.

III. TIP Approval

The above completed documents will be reviewed and endorsed by the MPO. The endorsed products to serve as the required air quality consistency documentation necessary for DOT (FHWA/FTA) and EPA conformity determination.

IV. Modification/Amendment

- A. Amendments to the TIP may require MPO approval.
- B. Administrative adjustments to the TIP may be approved by the CCC Executive Director, with appropriate notification to the MPO.

Products:

- I. TIP consistent with the State Implementation Plan and the Regional Transportation Plan.
- II. Modifications/amendments to the TIP as required.

Schedule: As determined by FHWA, FTA, EOTC, MassHighway and MARPA.

Funding/Staffing breakdown:

Funding source	Amount	CCC Staffing
FHWA/MassHighway	\$25,000	12.50 person-weeks

Task_1.3 - CCJTC and MPO activities/Public Participation Process

Objectives: To maintain an open comprehensive, cooperative and continuing (3C) transportation planning and programming process involving the local, regional, state and federal levels of government in conformance with applicable federal and state requirements and guidelines.

Previous Work: Past maintenance of 3C process. Preparation of year 2003 update to the Cape Cod Regional Transportation Plan including information and strategies to ensure environmental justice.

Procedures:

1. Provide administrative and technical support to the 3C regional planning process, such as:
 - a) Community liaison and assistance on transportation planning matters.
 - b) Review of federal and state transportation programs and related documents as required.
2. Provide for and support the public participation process (PPP) in transportation planning for Cape Cod.
 - a) Support Cape Cod Joint Transportation Committee (CCJTC).
 - b) Develop, support and participate in local parking, traffic, bikeway and environmental committee meetings.
 - c) Participate in information programs related to handicapped accessibility and environmental issues in transportation.
 - d) Preliminary and follow-up work for meetings as required.
3. Present transportation plans and programs (e.g., UPWP, Transportation Plan, TIP) developed through the public participation process to the Cape Cod Joint Transportation Committee and the Metropolitan Planning Organization (MPO) for appropriate action.
4. Management of transportation planning contracts with EOTC/MassHighway.
 - a) Staff supervision and work assignments
 - b) Contract invoicing
 - c) Participation in educational programs for staff.

Products: Viable 3C process, including CCJTC and public participation program.
Revision of PPP, as necessary.
Bibliography of CCC transportation reports and other technical documents.
Transportation program annual report.
Minutes and reports on CCJTC meetings.
Letters, memoranda and notes as required.

Schedule: Meetings held monthly.
Transportation program annual report in January, 2004.
Other products as required.

Funding/Staffing breakdown:

Funding Source	Amount	CCC Staffing
FHWA/MassHighway	\$19,000	9.50 person-weeks

Task_1.4 - Environmental Justice

Objectives: To ensure that all segments of the population are able to fully participate in

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transportation planning processes and has access to transportation facilities. To integrate the basic principles of Environmental Justice into the 3C Transportation Planning Process. To develop and maintain a Title VI Civil Rights Plan for the Cape Cod MPO.

Previous Work: Attendance at preliminary meetings with MassHighway and FHWA to discuss environmental justice requirements and receive guidance on ensuring compliance. Preparation of year 2000 update to the Cape Cod Regional Transportation Plan including information and strategies to ensure Environmental Justice.

Procedures:

Activities are expected to include a process for developing Environmental Justice (EJ) data and evaluating projects with respect to the protected populations or these processes must be developed in order for the MPO to be recertified (see October 7, 1999 FHWA memo 'Implementing Title VI Requirements in Metropolitan and Statewide Planning' for guidance). The EJ evaluation needs to be incorporated throughout the MPO planning process. The following efforts are suggested:

Environmental Justice Study – Development of an Evaluation Process

Phase 1 Develop Environmental Justice Baseline Information

The 2000 Census data for minority populations is available and the income data is expected. This data locates the minority and low income households by census tract. This data will be geocoded into the regional model traffic analysis zones (TAZs) and a statistical process applied to the TAZ geographic areas to develop criteria for protected populations. The information for low income populations will be supplemented by Temporary Assistance for Needy Families (TANF) data to further refine the low income population areas.

This database will become the basis of the EJ analysis process to be developed in Phase 2.

Phase 2 Develop Environmental Justice Criteria for the Cape Region

A number of criteria have been proposed to be applied to projects, access time changes from/to all traffic analysis zones (TAZs) to the protected communities is common. Access time must include transit as well as auto access.

The criteria need to be developed in a public process that includes minority and low income community participation and establishes a legally defensible basis for selecting the criteria. Criteria will be developed at workshops to be held in communities identified in Phase 1.

Phase 3 Develop modeling and GIS Tools for Environmental Justice Evaluations

The tools for evaluation need to be developed based on the selected criteria. One likely tool is a model for transit access time. This may be based on the existing TransCad model package or another analysis method. The existing TransCad model can currently be used for auto measuring improvements in auto access to specific analysis zones and this process can be used when EJ target areas and criteria are established.

Products:

The following products are expected:

- Environmental Justice baseline information
- Environmental Justice Criteria for the Cape Region
- Title VI Civil Rights Plan for the Cape Cod MPO

Schedule: To be determined.

Funding/Staffing breakdown:

Funding Source	Amount	CCC Staffing
FHWA/MassHighway	\$10,000	5.00 person-weeks
FTA/EOTC	\$ 3,824	1.91 person-weeks
CCC	\$ 956	0.47 person-weeks
Total	\$14,780	7.38 person-weeks

Task 1.5 - Access to Jobs

Objective:

To work with the Cape Cod Regional Transit Authority to develop strategies to improve access to employment for welfare recipients and other low income persons.

Previous work:

Past coordination with CCRTA.

Products:

Participation at meetings, letters and memoranda as required.

Schedule:

As required per CCRTA schedule.

Funding/Staffing breakdown:

Funding Source	Amount	CCC Staffing
FHWA/MassHighway	\$5,000	2.50 person-weeks

Task 1.6 - Other meetings and support of the planning process

Objectives: To participate in and provide support to meetings and other activities relevant to

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the transportation planning process. To coordinate transportation planning activities with other Regional Planning Agencies, MassHighway and MARPA, particularly regarding the statewide road and bridge program and policy/funding discussions.

Previous Work: Past support

Procedures: Flexible.

Products: Attendance at meetings; preparation of letters and memoranda.

Schedule: Progress reports prepared monthly. Other activities scheduled as required.

Funding/Staffing breakdown:

Funding	Amount	Staffing
MassHighway/FHWA	\$21,130	10.56 person-weeks

TASK #2 - DATA COLLECTION AND ANALYSIS ACTIVITIES

Task 2.1 - Cape Cod Traffic Counting Program

Objectives: To create and maintain a database of traffic counting data for Cape Cod to be used for transportation planning. To monitor growth in traffic volumes and to determine existing traffic volumes on Cape Cod roads. To perform the coverage counts for MHD. To perform bicycle and pedestrian activity counts in selected locations. To obtain data on road geometry, when necessary, as part of the traffic counting efforts.

Note: It is a goal of the region to install permanent traffic counters to provide continuous reliable data on traffic volumes, vehicle types and speed on all major roads. Permanent stations with remote access capabilities are the appropriate safe and cost-effective manner to collect the data.

Previous Work: Traffic counting program, 1984-2003.

Procedures: For the summer of 2004, approximately 5 coverage counts will be scheduled in each of Cape Cod's 15 towns, for a total of about 75 counts. Approximately 50% of the count locations for the summer of 2004 will be selected to support planning studies proposed in the Fiscal Year 2004 and proposed Fiscal Year 2005 Unified Planning Work Program. Additional counts, in coordination with or at the request of the towns and MassHighway, will be taken as schedule and weather permits. Where possible, FHWA traffic monitoring guide procedures will be followed. Police details, if required for the additional count locations, shall be the responsibility of the towns for local roads and MassHighway for state roads and locations requested by MassHighway. Turning movement counts will also be taken at selected intersections.

Work activities under this task are as follows:

- Placement of counters
- Retrieval of counters
- Routine checks of counters
- Equipment inventory and maintenance
- Data tabulation
- Data factoring
- Data analysis/recording
- Coordination of counters
- Coordination of safety measures with towns
- Coordination of external program counts
- Periodic calibration/verification of equipment per MassHighway guidelines
- Obtain necessary permits from towns and MassHighway
- Development of traffic count file and data base
- Data mapping
- Program evaluation
- Computer data entry and maintenance
- Updated geometric information, as needed. Gathered information to include sidewalks,
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shoulders and bicycle lanes.

Products:

- Cape Cod Traffic Counting Report for 2003. Report will contain information on study design, count location, date/time of peak hour volume, average daily traffic, factored average daily traffic. The most recent 10 years of counts conducted by CCC will be included in this report.
- Database that includes date of counts, general weather and traffic conditions average daily traffic, factored average daily traffic, peak hour traffic volume, breakdown of traffic by hour over period studied (kept on file).
- Factored counts for MassHighway.
- Expanded seasonal traffic counting data
- Turning movement counts at intersections, including bicycle and pedestrian counts.
- An analysis of traffic growth trends over the past 10, 5 and 3 year periods. For Cape Cod, subregions and major routes.
- Counts accessible at website (www.gocapecod.org).

Schedule:

Report on counts taken in 2003 submitted December, 2003.

Office file updated continuously.

Counts for the 2004 program will be taken June through August, 2004.

Funding/Staffing breakdown:

Funding Source	Amount	CCC Staffing
FHWA/MassHighway	\$45,000	22.5 person-weeks

Task 2.2 - Transportation Database Management/Data & Information Requests

Objectives: To maintain and improve a database of Cape Cod road information and motor vehicle accident records, including bicycle and pedestrian accidents, to be used for geographical and historical accident analysis. To provide the transportation information for Cape Cod to local and state officials, transportation professionals and the public.

Previous Work: Accident databases prepared with data supplied by MassHighway. Original database included detailed data for the years 1989-1991 and 1993 and less detailed information for the years 1991-1996. Analysis included in the 1997 and 2000 Cape Cod Regional Transportation Plan.

Procedures: Integrate new records when available; maintain database, develop subroutines for analysis. When details are needed for specific locations, town accident records may be obtained

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and reviewed. CCC staff will contact MassHighway to request latest records. Respond to data and information requests from the public, transportation professionals and local, regional and state officials.

Products: Accident and road information database. Reports, letters and memoranda as required.

Schedule: Ongoing. Updated annually with receipt of MassHighway accident records. Responsive to need for local data.

Funding/Staffing breakdown:

Funding Source	Amount	CCC staffing
MassHighway/FHWA	\$20,000	10.0 person-weeks

Task 2.3 - Travel Demand Forecasting & computer modelling

Objectives: To continue to develop and calibrate computerized travel demand forecasting databases and models for Cape Cod, including year 2020 forecasts. Continue integration with Geographical Information Systems (GIS) data to provide a platform for GIS based traffic counts, congested link summaries, and accident summaries.

Previous Work:

- Transportation model, developed in 1999/2000 for base year of 1997.
- Route 28 traffic circulation studies (released and pending drafts) and models including:
 - *ROUTE 28 - BOURNE,*
 - *ROUTE 28 TRAFFIC CIRCULATION STUDY, MASHPEE ROTARY AREA, (Including Segments in Barnstable and Falmouth).*
 - *ROUTES 28 & 132 TRAFFIC CIRCULATION STUDY, BARNSTABLE AREA*
 - *ROUTE 28 TRAFFIC CIRCULATION STUDY, YARMOUTH-ORLEANS*
- *OUTER CAPE CAPACITY STUDY*
- *MONOMOY CAPACITY STUDY*

Procedures: Review and utilize available socio-economic, employment, population and housing data for base year and forecast year data. Utilize existing traffic volume and transit data to determine existing travel demands. Utilize existing transportation models for sub-regions of Cape Cod. Improve transfer methods of data between CCC Geographic Information Systems (GIS) services and transportation modeling effort. Expand transportation demand model to include Saturday morning element and to explicitly include alternate modes.

Products: Updated transportation model based on 2000 census information, reports of results, and summaries. Model will be used to support Task 3 and other regional planning and TIP activities.

Schedule: Ongoing through September 30, 2004. To be developed in coordination with MassHighway.

Funding/Staffing breakdown:

Funding Source	Amount	CCC Staffing
MassHighway/FHWA	\$25,000	12.50 person-weeks

TASK #3 - SHORT AND LONG RANGE TRANSPORTATION PLANNING

Task 3.1 - Regional Transportation Plan (Certification activity)

Objectives: To maintain and update the Regional Transportation Plan for Cape Cod, in conformance with the Transportation Equity Act for the 21st Century and successor acts, consistent with the goals and requirements of the Cape Cod Commission, towns, the MassHighway, EOTC, FTA and the FHWA, considering all modes of transportation and both short and long-range elements. The Transit component will reflect the transit planning effort of Task 3.3, Development and Implementation of a Transit Plan for Cape Cod.

Previous work: Ten (10) year needs assessment prepared in October 1989.
Regional Policy Plan for Cape Cod, August, 1991.
Long Range Transportation Plan, September, 1993.
Long Range Transportation Plan Amendments, September 1994.
Regional Policy Plan for Cape Cod, November, 1996.
Regional Transportation Plan, approved by MPO March 1997.
Regional Transportation Plan, approved by MPO January 2001.

Procedures: Limited activity is expected because this is the first year after a major update.

Products: Updates, as necessary.

Schedule:	August/September 2003	MPO endorsement expected
	Updates as necessary	
	October 2003	Submission to FHWA, FTA, EPA
		DEP and Federal review
	January 2004	FHWA, FTA, EPA and DEP conformity review
	and approval	

Funding/Staffing breakdown:

Funding Source	Amount	CCC Staffing
FHWA/MassHighway	\$5,000	2.5 person weeks

Task 3.2- Regional Congestion and Safety Analysis at 3 High Priority Locations

Objectives: To identify short and long term alternatives to improve transportation flow and safety at three high priority locations, including selected sections of Route 28 between Chatham and Falmouth. Efforts to be conducted consistent with the Commonwealth of Massachusetts Fix It First and Communities First initiatives.

Previous Work:

Traffic Circulation Studies for Route 28 - 1988-1990.
Rt 28 MacArthur Boulevard study .

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Cape Cod Long Range Transportation Plan 1994.
Cape Cod Regional Transportation Plan 1997.
Cape Cod Regional Transportation Plan 2001.
Cape Cod Regional Transportation Plan 2003 (expected).

Procedures:

(Note: A detailed study design will be updated.)

- Priority locations to be determined from the Regional Transportation Plan.
- Review existing data sources to document existing conditions. Sources to include:
 1. Cape Cod regional transportation model
 2. Cape Cod traffic counting program/MassHighway bridge counts
 3. Cape Cod congestion management system
 4. Cape-wide crash records information system
- Data Collection:
 1. Automatic Traffic Recorder and Turning Movement Count data
 2. Accident data
- Identify study area
- Prepare existing conditions summary, including:
 1. Traffic volumes
 2. Levels of service
 3. Recent crash history
- Utilize best available land use data (sources: GIS, Towns) to identify potential increases travel demand.
- Enhance computer model and develop travel demand forecasts
- Prepare future conditions summary, including:
 1. Traffic volumes
 2. Levels-of-service
- Utilize results of above procedures to develop recommendations consistent with Regional Transportation Plan, including recommendations for land use and access management, consistent with the Communities First and Fix It First Initiatives and the Sustainable Development Policy of the Commonwealth of Massachusetts.

Public participation:

1. Public meetings, as necessary

Products:

Interim and final reports.

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Schedule:

Completion expected by September 30, 2004.

Funding/Staffing breakdown:

Funding source	Amount	CCC staffing
MassHighway/FHWA	\$50,000	25 person-weeks

Task 3.3 - Congestion Management System Development

Objective: To develop criteria for identifying congestion and methods to address congestion, consistent with the Commonwealth of Massachusetts' Fix It First Initiative, Communities First Initiative and Sustainable Development Policy.

Previous Work: Cape Cod Congestion Management System 1997 Report, January 21, 1998.

Procedures: To be developed.

Products: Congestion Management System Report for 2003

Schedule: To be determined.

Budget:

FHWA/MHD	\$40,000	20 person-weeks
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Task 3.4 - Transit Planning & Intermodal Management System Activities

Objective: To develop and implement a comprehensive transit plan for Cape Cod, considering year round and seasonal needs, including a 5 year plan and early implementation items for the Cape Cod Regional Transit Authority and the Woods Hole, Martha's Vineyard and Nantucket Steamship Authority. To perform Intermodal Management Systems planning activities. Promotion of transportation alternatives through support, education and outreach, including coordination with the Cape Cod Chamber of Commerce and the Cape Cod Regional Transit Authority.

Previous work: License plate surveys conducted Spring and summer 1999.
Cape Cod Transit Summit - February, 2000.

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Development of early implementation items, including:

- Relax and Ride – a shuttle service between the Rte. 128 MBTA//Amtrak station and the ferry facilities in Woods Hole;
- Sunday bus service on the SeaLine, Villager and H2O regular bus routes
- Three more round trips during the morning, mid afternoon and late-day
- Villager bus service every 20 minutes on a route that runs from the
- A new Villager II bus route through some East End neighborhoods of
- More frequent bus service to Barnstable Municipal Airport;
- Additional H2O Line bus service along Rte. 28 between Hyannis and

Procedures: Continuation of effort started under previous UPWP.

Products: Advancement and implementation of Transit Plan for Cape Cod.

Schedule: To be determined.

FHWA/MassHighway Budget:	\$27,500	13.75 person-weeks
EOTC/FTA funds:	\$30,000	15.00 person-weeks
CCC match:	\$ 7,500	3.75 person-weeks
Total:	\$65,000	32.50 person weeks

Task 3.5 - Follow-up on previous transportation planning studies

Objectives:

To allow for follow-up work on special transportation studies of prior UPWPs to address

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comments and other technical issues.

Previous work:

Refer to list of Significant Regional Transportation Studies in this document.

Methodology:

To be determined in consultation with MHD.

Products:

Updated reports and responses to comments, as necessary.

Schedule:

Flexible.

Funding/Staffing breakdown:

Funding Source	Amount	CCC Staffing
FHWA/MassHighway	\$30,000	15.00 person-weeks

TASK #4 - OTHER TECHNICAL ACTIVITIES

Task 4.1 - Intelligent Transportation Systems initiative for Cape Cod and Travel Smart Program

Objectives: To promote the most efficient, cost effective and environmentally sound use of our transportation system. To advance the development of a Transportation Management Center on Cape Cod. To work with the State in the advancement of intelligent transportation system initiatives for Cape Cod, including transit elements. To develop a product-oriented systems plan which provides specific solutions to transportation problems.

Previous Work: Intermodal and congestion management systems efforts. Assistance in Intelligent Transportation Systems (ITS) efforts on Cape Cod. Participation in Farradyne Systems study (1995). Participation in the Barnstable-Yarmouth Transportation Study. Transportation website "www.gocapecod.org." Assistance to the Cape Cod Chamber of Commerce with the development of the "Smart Guide" for 2001-2003 and prior years.

Procedures: Study elements to include:

- Assistance to the Massachusetts Highway Department with the development of intelligent Transportation System Architecture for Cape Cod. Efforts to include identification of stakeholders, attendance at meetings, review of documents and other assistance.
- Development of specific ITS criteria, goals and priorities consistent with the Cape Cod 2000 Regional Transportation Plan.
- Evaluation and integration of under-utilized sources of transportation information, including the Cape Cod Regional Transit Authority automated vehicle locator and the Route 132 closed loop signal system.
- Advancing 511 Traveler Information System.
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Products: Continued identification and development of congestion and intermodal management strategies; updated and expanded website of transportation information, reports and memoranda as required. Several possible products include:

- Traveler information via internet
- Promotion of transportation alternatives
- ITS plans for Cape Cod Canal Area
- ITS plans for Hyannis area
- Summary reports of updates to CMS database
- Technical memoranda reporting analyses of travel patterns and traffic condition prediction m
- ITS coordination with other regions

Schedule: Continuous throughout year.

Funding/Staffing:

Funding source	Amount	CCC staffing
Federal Highway/MassHighway	\$30,000	15 person-weeks

Task 4.2 - Rural Roads Initiative

Objectives: To develop guidelines for roadway/intersection design and/or advance context sensitive design examples to provide safe, multi-modal mobility on Cape Cod and the Islands while maintaining the environmental, historic and scenic qualities of the existing surrounds. To participate with Martha's Vineyard, Nantucket, and the National Park Service/Cape Cod National Seashore on the implementation of the HPP Rural Roads Initiative, under the Transportation Equity Act for the 21st Century.

Previous Work: Meetings with MassHighway, Nantucket Planning & Economic Development Commission, the Martha's Vineyard Commission, the National Park Service/Cape Cod National Seashore and Congressman Delahunt's office to discuss the work effort. Development of a proposed Memorandum of Agreement, scope of work, budget and schedule.

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Procedures: To be developed in coordination with MassHighway, Martha's Vineyard Commission, Nantucket Planning & Economic Development Commission, and the National Park Service/Cape Cod National Seashore. Effort to be consistent with the Massachusetts' Communities First and Fix It First policies.

Products: Recommended road design guidelines or context sensitive design examples for Cape

Schedule: Per the Memorandum of Agreement (to be revised).

Funding/Staffing:

Funding Source	Amount	CCC staffing
MassHighway/FHWA	\$7,500	3.75 person weeks

(expected to be supplemented by HPP funds per the Memorandum of Agreement)

Task 4.3 - Pavement Management

Objectives: To update and implement a regional pavement management system for Cape Cod to provide an objective rating of pavement conditions and needs.

Previous Work:

- Eastham, Pilot Pavement Management Study, December 1990.
- Bourne, Preliminary Pavement Management Report, April 1992.
- Participation on technical coordination committees for pavement Management.
- Special Statewide pavement management systems effort -1994.

Procedures: To be determined in coordination with MHD and the towns.

Products: Preliminary assessment of pavement management needs.

Schedule: To be determined.

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Funding/staffing:

Funding Source	Amount	CCC staffing
MassHighway/FHWA	\$ 7,500	3.75 person weeks

Task 4.4 - Other technical assistance requests

Objectives: To provide the state, the towns and the region with technical transportation assistance, as needed.

Previous Work: Preparation of signal warrant analyses, review of local transportation improvement alternatives, preparation of local safety studies (Provincetown Bicycle Safety Study and Conwell Street Study).

Procedures: As required.

Products: Letters, reports, memoranda and analyses.

Schedule: Continuous throughout the year.

Funding/Staffing:

Funding Source	Amount	CCC staffing
MassHighway/FHWA	\$ 7,500	3.75 person weeks

TASK #5 - CAPE COD COMMISSION TRANSPORTATION PLANNING & REGULATORY ACTIVITIES

Task 5.1 - Review and Comment on Environmental Notification Forms, Environmental Impact Reports and Developments of Regional Impact

Objectives: The primary purpose of the CCC regulatory program is mitigation of transportation impacts in a manner that is consistent with Barnstable County's Regional Policy Plan. To ensure proper review and analysis of traffic impacts of major residential and commercial developments throughout the region. To provide such information to the CCC, EOTC, MassHighway, EOEA-MEPA Unit, town officials and other interested parties, as required. To recommend mitigation measures and work with interested parties in applying conditions to projects. To assist the Cape Cod Commission regulatory staff in the review of developments of regional impact. To assist the Massachusetts Highway Department/Public Private Development Unit (MassHighway - PPDU) in the implementation of mitigation strategies.

Previous Work: Previous work includes analysis, review and comment on Environmental Notification Forms (ENFs), Environmental Impact Reports (EIRs) and Cape Cod Commission regulatory review.

Procedures:

Review ENF, EIR, EIS, MIS and/or traffic analyses.

Compute trip generation estimates.

Review traffic counts on adjacent street network; conduct special traffic counts, as necessary.

Perform preliminary site visit.

Compute LOS at site drive and area intersections, as necessary.

Attend MEPA site visit, if applicable.

Discuss project with interested parties.

Identification of appropriate mitigation measures.

Review mitigation measures for compliance and consistency with the Regional Policy Plan.

Written and oral comments and testimony to the Cape Cod Commission, MassHighway District 5, MEPA, the towns and other interested organizations as required.

Coordinate mitigation with MassHighway-PPDU.

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Products: Discussions with MEPA, MassHighway, project proponents and town officials. Provide written comments. Testimony at DRI and other meetings as required. Advancement of measures to mitigate traffic impacts. Analysis and recommendation on transportation improvements necessary to mitigate impacts.

Schedule: As required to meet CCC, MEPA, EOTC, MassHighway and local deadlines.

Funding/Staffing:

Support of this effort will be provided by the CCC. Below is the funding/staffing breakdown:

Funding Source	Amount	CCC Staffing
CCC	\$137,778	69 person-weeks

Task 5.2 - Assist Communities and the Region in the Development and Implementation of Local Comprehensive Plans (LCPs) and Districts of Critical Planning Concern (DCPCs)

Objectives: To provide technical assistance in the development and implementation of LCPs and DCPCs and other CCC funded transportation efforts.

Previous work: Past assistance in the development of LCPs in various Cape Cod towns.

Procedures: Advisory and analytical assistance.

Products: Letters, memoranda, testimony as required.

Schedule: As established by the Cape Cod Commission and the Towns and legislated requirements.

Funding/staffing:

Funding Source	Amount	CCC Staffing
CCC	\$137,778	69 person-weeks

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Task 5.3 - Other transportation activities

Objectives: To perform other transportation activities and transportation program management.

Previous work: Past transportation program administration.

Procedures: Flexible.

Products: Viable transportation planning program.

Schedule: Continuous throughout the year.

Funding/Staffing:

Funding Source	Amount	CCC staffing
CCC	\$66,833	33.5 person weeks

TASK #6 - Other Tentative Planning Efforts

Task 6.1 Long Range Transit Plan

Objectives: Development of Long Range Transit Plan for Cape Cod.

Previous work: Transit Task Force Five-Year Public Transportation Plan.

Procedures: Funds to be matched by National Park Service planning grant to contract with Volpe Transportation Center to perform work.

Products: Long Range Transit Plan for Cape Cod.

Schedule: To be determined.

Funding/Staffing breakdown:

Funding Source	Amount
MassHighway/FHWA (SPR)	\$100,000

Task 6.2 Rt 6A/Scenic Byways

Objectives:

To update the 1995 Rt 6A Corridor Management Plans; to develop and design byway related projects and to implement those projects. Efforts to be consistent with the National Scenic Byways Program and the Cape Cod and Islands Rural Roads Initiative.

Previous Work:

Develop of a Corridor Management Plan for Route 6A (April 1995) and related follow-up/implementation projects:

- Route 6A Corridor Management Plan
- Access Management Study
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- Tree Canopy
- Bicycle Activities/Bicycle Safety/Bicycle Map
- Pedestrian Activities/Tour Network
- Pedestrian Safety Improvements

Procedures:

To be determined by a detailed study design consistent with the FHWA review and award of funding.

Products:

Updated Corridor Management Plan.

Development and design of projects.

Project Implementation.

Schedule:

Anticipated:

- Updated Corridor Management Plan 12 months after notice to proceed.
- Development and design of projects 18 months after notice to proceed.
- Projects implemented 24 months after notice to proceed.

Funding Staffing:

Scenic Byways funds. Breakdown of staffing and contractual assistance to be determined.

	FHWA	MHD	Total
Update of CMP	\$100,000	\$25,000	\$125,000
Project Design and Development	\$ 75,000	\$18,750	\$ 93,750
Project Implementation	\$325,000	\$81,250	\$406,250
Total	\$500,000	\$125,000	\$625,000

Task 6.3 Cape & Islands Rural Roads Initiative

Objectives: To develop guidelines or context sensitive solutions for roadways and intersections

to provide safe, multi-modal mobility on Cape Cod and the Islands while maintaining the

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environmental, historic and scenic qualities of the existing surrounds. To participate with Martha's Vineyard, Nantucket, and the National Park Service/Cape Cod National Seashore on the implementation of the HPP Rural Roads Initiative, under the Transportation Equity Act for the 21st Century.

Previous Work: Meetings with MassHighway, Nantucket Planning & Economic Development Commission, the Martha's Vineyard Commission, the National Park Service/Cape Cod National Seashore and Congressman Delahunt's office to discuss the work effort. Development of a proposed Memorandum of Agreement, scope of work, budget and schedule.

Procedures: To be developed in coordination with MassHighway, Martha's Vineyard Commission, Nantucket Planning & Economic Development Commission, and the National Park Service/Cape Cod National Seashore per the Memorandum of Agreement to be revised between these organizations.

Products: RFP for engineering consultants to develop guidelines or advance context sensitive designs.

Recommended road design guidelines or context sensitive designs for Cape Cod and the Islands.

Schedule: Per the Memorandum of Agreement (MOA).

Funding/Staffing:

High Priority Project (HPP) funding under the Transportation Equity Act. To be apportioned between CCC, Martha's Vineyard Commission, Nantucket Planning & Economic Development Commission and the National Park Service, per the proposed MOA and budget. .

	Contract Year 1	Contract Year 2	Total
Labor and Indirect costs	\$ 53,000	\$ 53,000	\$106,000
Direct Costs	\$181,375	\$181,375	\$362,750
Total	\$234,375	\$234,375	\$468,750

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Task 6.4 Minimodal Transportation Study

Objective: To evaluate and identify locations for minimodal transportation centers on Cape Cod in order to promote transit as an alternative to automobile travel; to improve service coordination between public and private transportation providers.

Previous Work: Cape Cod Transit Task efforts, including 5-Year Plan for Public Transportation
Coordination with CCRTA in development of Hyannis Transportation

Procedures:

- Development of potential site alternatives
- Evaluate surrounding land use and consistency with local and regional planning
- Develop site needs and potential based on short and long range planning
- Evaluate potential of the proposed sites to meet potential service needs
- Develop access plans, initial environmental screening and preliminary plans,
- Present alternatives for public comment and recommend final alternatives for further

Products: Report on candidate locations and feasibility of minimodal transportation centers.

Schedule: To be determined.

Budget:

FTA	\$240,000
State	\$ 60,000

Task 6.5 Provincetown/EO 418 Planning Grant

Objectives: Support of regional initiatives to assist communities in the development of the transportation component of community development plans.

Previous work: Assistance in the development of Local Comprehensive Plans and special planning studies.

Procedures: Subject to MassHighway approval of study design.

Products: Community Development Plan.

Schedule: To be determined.

Funding/Staffing breakdown:

Funding Source	Amount
EO 418	\$ 10,000

Task 7 Cape Cod Advanced Public Transportation System Project

Objective: The FTA Program Fact Sheet for UA Formula Grants (49USC5307) lists as "Eligible Purposes: Planning, engineering design and evaluation of transit projects and other technical transportation-related studies; capital investments in bus and bus-related activities; . . . computer hardware and software."

Previous Work: The CCRTA has undertaken an ITS project, the Cape Cod Advanced Public Transportation System Project (CC_APTS), since 1997 funded by capital grants from FTA, FHWA and EOTC.

The transit ITS technologies being deployed on Cape Cod are: 1) a geographic information system (GIS) running on a local area network (LAN) and a wide area network (WAN), 2) global positioning system (GPS) based automatic vehicle location (AVL) for all CCRTA's multimodal (paratransit and fixed route) services, 3) upgraded paratransit scheduling and management information capabilities based on GIS technology with open data accessibility, 4) mobile data computers (MDC) for on-board vehicle data collection, downloading of paratransit schedules and two way messaging, and emergency alarms, integrated with AVL, and 5) deployment of and electronic payment system or multipurpose regional smart card for market-based pricing strategies for transportation demand management.

Procedures: CCRTA has retained a consulting firm, Bluegrass, Inc., to assist in the planning, engineering design and evaluation of CC_APTS. Bluegrass is a SOMBWA certified firm, as well. CCRTA is currently advancing toward a the multi-modal electronic fare system in FY04 -FY05 using the CC_APTS technology. CCRTA anticipates applying for a 5307 Planning Assistance grant of \$100,000 in FY04 to provide additional funding for this project.

Budget:

FTA	\$80,000
CCRTA	\$20,000

PL FUNDING SUMMARY & DISCUSSION

The Massachusetts Highway Department/Executive Office of Transportation & Construction receives Metropolitan Planning Funds (PL) from the Federal Highway Administration. These funds are passed through to planning agencies to conduct the comprehensive, cooperative and continuing (3C) transportation planning process. These funds are apportioned to states on the basis of urbanized area population and highway construction funding amounts. The state apportions the PL funds to the 10 urban area planning agencies, including the Cape Cod Commission/County of Barnstable.

The Cape Cod Commission's PL funding and expenditure summary is as follows:

Total PL allocations as of January 29, 2003 (since 1991)	\$3,875,498
Total PL expenditures as of Sept. 30, 2002 (since 1991)	\$2,482,138
Total PL expenditures Oct. 1, 2002 through June 30, 2003	\$ 314,393
PL balance as of 7/1/03	\$1,078,967

The Cape Cod Commission continues to expend PL funds as anticipated. Expenditures through the end of FFY 2003 (September 30, 2003) are expected to be approximately \$120,000, leaving a year-end PL balance of approximately \$958,000.

LIST OF SIGNIFICANT PLANNING STUDIES and OTHER GRANTS

Significant regional transportation studies:

By the Cape Cod Commission:

2003 Cape Cod MPO Regional Transportation Plan	expected August 2003
Cape Cod Unified Planning Work Program for FY04	expected August 2003
Cape Cod Transportation Improvement Program FY2004-2008.....	expected August 2003
Cape Cod Transportation Improvement Program Amendment.....	June 2003
Falmouth Steamship Authority Traffic Study (final draft).....	February 2003
Cape Cod Traffic Counting Program Annual Report	January 2003
Cape Cod Unified Planning Work Program for FY03.....	August 2002
Cape Cod Transportation Improvement Program FY2003-2007.....	August 2002
Cape Cod Park & Ride Study	June 2002
Five-Year Public Transportation Plan (by CCC and the CC Transit Task Force).....	June 2002
2002 Regional Policy Plan	April 2002
Marston Mills Recreational Fields Traffic Study	November 2001
Provincetown Bike Route Study	December 2000
Bicycle Safety Study - Provincetown.....	April 2000
A Strategic Plan for Expanded Cape Cod Ferry Service	Jan. 2000
Harwich Route 39/137 Planning Study	May 1999
Conwell Street Corridor Safety Study.....	May 1999
BL-2 Internal Road Transportation Benefits & Detriments (Sandwich)	November 1998
Massachusetts Military Reservation Master Plan.....	September 1998
Cape Cod Marine Transportation Feasibility Study	June 1998
Veterans Memorial Elementary School (Provincetown) Pedestrian Safety Study	May 1998
Route 28 & 132 Traffic Circulation Study - Barnstable.....	August 1992
Route 28 Traffic Circulation Study - Yarmouth to Orleans.....	March 1992
Route 28 Traffic Circulation Study - Mashpee.....	December 1989
Route 28/MacArthur Blvd Traffic Study - Bourne	April 1989
10 Year Needs Assessment - Summary List.....	October 1989
Route 6 - Alternatives - Dennis to Orleans.....	October 1986

Environmental Impact Reports and Traffic Impact Studies (by others)

Sagamore Rotary Transportation Improvements Project (Environmental Assessment and draft EIR)	June 2003
Mashpee Place (final EIR)	May 2003
Cape Cod National Seashore Alternative Transportation Systems	
Long Range Planning Study.....	May 2003
Wellfleet Harbor Actors Theater (Traffic Impact & Access Study)	December 2002
Sandwich Shaw's (Traffic Impact & Access Study)	August 2002
Truro Stop & Shop (draft EIR)	May 2002
Orleans Shaw's (Traffic Impact & Access Study)	January 2002
Atlantis Supermarket (ENF).....	September 2001
Harwich Shaw's (Traffic Impact and Access Study)	April and July 2001
BJ's Wholesale Club	April 2001
Cotuit Landing - Barnstable (final)	November 2000
CanalSide Commons - Bourne (final)	October 2000
CanalSide Commons - Bourne (supplemental draft)	May 2000
Mashpee Commons - Mashpee (draft)	March 2000
South Cape Factory Outlet - Mashpee (final)	February 2000
Route 3 - South Weymouth to Bourne - Corridor Needs Analysis	May 1999
South Cape Factory Outlet - Mashpee (draft)	April 1999
CanalSide Commons - Bourne (draft)	Feb. 1999
Route 6 - Transportation Improvements Project Dennis to Orleans (draft)	October 1994

Feasibility/Conceptual Planning Studies (by others)

Sagamore Rotary Grade Separation Study	March 1998
Conceptual Design & Feasibility Study	
for a New Route 6 Interchange in the Town of Barnstable	Jan. 1998

Other active CCC Planning Grants:

US Dept of Housing & Urban Development - HOME program

Coastal Zone Management - Mass Bays Program

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Exec. Office of Environmental Affairs - GIS Service Center

Federal Emergency Management Agency - Project Impact

Massachusetts Emergency Management Agency - Pre-Disaster Mitigation

List of staff and estimated percentage of time allocated MassHighway funded (PL) tasks in the 2004 UPWP:

Robert Mumford, Transportation Program Manager	10%
Lev A. Malakhoff, Senior Transportation Engineer.....	65%
Priscilla N. Leclerc, Senior Transportation Planner.....	85%
Glenn Cannon, PE, Transportation Engineer.....	10%
Clay Schofield, PE, Transportation Engineer	50%
Tim Boesch, Transportation Engineer	10%
(vacant), Transportation Analyst	85%
Gary Prahm, GIS Systems Manager	1%
Ben Smith, GIS Analyst	1%

Unified Planning Work Program

FY2004 Funding Summary

		MHD/FHWA	MHD/FHWA	MHD/FHWA	MHD/FHWA	MHD/FHWA	FTA/EOTC	EOTC/FTA	CCC	CCRTA
		PL funds	SPR funds	Scenic Byways	HPP funds	EO 418	Sec 5309	Sec 5303		Sec 5307
Task 1	Mgt & Support of the Planning Process & Certification Activities									
1.1	Unified Planning Work Program	\$6,500								
1.2	Transportation Improvement Program	\$25,000								
1.3	CCJTC and MPO activities/Public Participation Progr	\$19,000								
1.4	Environmental Justice	\$10,000						\$3,824	\$956	
1.5	Access to Jobs	\$5,000								
1.6	Other Meetings & Support of the planning process	\$21,130								
	Total for Task 1	\$86,630						\$3,824	\$956	
Task 2	Data Collection & analysis activities									
2.1	Traffic Counting Program	\$45,000								
2.2	Transportation database management	\$20,000								
2.3	Computer modelling & travel demand forecasting	\$25,000								
	Total for Task 2	\$90,000								
Task 3	Short and long range planning									
3.1	Regional Transportation Plan	\$5,000								
3.2	Regional Congestion and Safety Analysis	\$50,000								
3.3	Congestion Management System	\$40,000								
3.4	Transit Planning	\$27,500						\$30,000	\$7,500	
3.5	Follow-up on previous planning studies	\$30,000								
	Total for Task 3	\$152,500						\$30,000	\$7,500	
Task 4	Other technical activities									
4.1	ITS Initiative & Travel Smart Program	\$30,000								
4.2	Cape Cod Rural Roads Initiative	\$7,500								
4.3	Pavement Management	\$7,500								
4.4	Other Technical Assistance Requests	\$7,500								
	Total for Task 4	\$52,500								
Task 5	CCC Planning and regulatory activities									
5.1	Regulatory								\$137,778	
5.2	Planning								\$137,778	
5.3	Other transportation activities								\$66,833	
	Total for Task 5								\$342,389	
Task 6	Other Tentative Planning Efforts									
6.1	Long Range Transit Plan		\$100,000							
6.2	Route 6A/Scenic Byways			\$625,000						
6.3	Cape Cod & Islands Rural Roads Initiative				\$468,750					
6.4	Minimodal Transportation Study						\$300,000			
6.5	Provincetown/EO 418 planning project					\$10,000				
	Total for Task 6		\$100,000	\$625,000	\$468,750	\$10,000	\$300,000			
Task 7	CCRTA Planning Efforts									
7.1	Cape Cod Advanced Public Transportation System Project									\$100,000
	Totals	\$381,630	\$100,000	\$625,000	\$468,750	\$10,000	\$300,000	\$33,824	\$350,845	\$100,000
	Control totals	\$381,630	\$100,000	\$625,000	\$468,750	\$10,000	\$300,000	\$33,824	\$350,845	\$100,000
	Key:									
	MHD = Massachusetts Highway Department									
	EOTC = Executive Office of Transportation & Construction									
	FHWA = Federal Highway Administration									
	FTA = Federal Transit Administration									
	CCC= Cape Cod Commission									
	CCRTA = Cape Cod Regional Transit Authority									
	PL = Planning funds									
	SPR = Statewide Planning & Research funds									
	Sec 5303 = Section 5303 Planning Funds (federal)									
	Sec 5307 = Section 5307 Planning Assistance (federal)									
	Sec 5309 = Section 5309 Planning funds (federal)									
	HPP= High Priority Project funds (federal earmark)									