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CAPE COD
COMMISSION

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DRAFT

May 24, 2010

Mr. David Mohler, Executive Director, Office of Transportation Planning
Massachusetts Department of Transportation
Ten Park Plaza, Room 4150
Boston, MA 02116-3973

RE: FFY 2010 UPWP amendment and transfer request

Attention: Rachel Bain

Dear Mr. Mohler:

We request your approval of the following amendments/transfers within our Unified Planning Work Program (UPWP) for Federal Fiscal Year 2010 (October 1, 2000- September 30, 2010). Proposed amendments to each task are attached in a task-by-task appendix that specifies the amendments as proposed.

Proposed Amendments:

Task 3.4 Transportation Safety

As outlined in the current Unified Planning Work Program (UPWP), Cape Cod Commission staff planned to study three high crash locations on Cape Cod.

Cape Cod Commission transportation staff recommends changing this task deliverable to compiling a list of the top fifty crash locations on Cape Cod utilizing MassDOT crash data. The top fifty crash locations listing will provide guidance for selecting the 2011 UPWP safety locations as well as weighing high crash locations for the RTP. In addition to the top fifty crash locations study, the 2010 UPWP focuses on three known high crash

locations, the Airport Rotary the Route 28/Yarmouth Road intersection and a section of Route 28 in Barnstable. These three known high crash locations will be addresses in the 2010 UPWP as part of the Hyannis Access Implementation Study. SRPEDD and Franklin County have recently published top crash locations in their regions. Criteria for ranking of locations will be done in consultation with the Cape Cod Joint Transportation Committee. No transfer of funds is requested in this task amendment.

Task 3.7 Climate Change Initiatives

As outlined in the current Unified Planning Work Program (UPWP), Cape Cod Commission staff planned to develop an inventory of local and regional green house gas (GHG) emissions and construct a system to quantify GHG reductions due to local and regional initiatives.

The Cape Cod region was recently selected to be the subject of a federal, Interagency Climate Change Scenario Planning Pilot Project designed to bring together multiple federal agencies and local stakeholders to work toward a shared and practical future development strategy. The strategy will plan for climate change impacts in transportation and land use decision-making while at the same time reducing the region's green house gas (GHG) emissions. A scenario planning process will be used to develop the most desirable development strategy. Commission staff participation in this project includes participation in monthly meetings and providing data, analysis, planning and technical reports, and maps to move the project forward. No transfer of funds is requested in this task amendment.

Task 3.3 Upper Cape Long Range Transportation Study

As outlined in the current Unified Planning Work Program (UPWP), Cape Cod Commission staff planned to summarize existing reports, develop data collection and identify study needs, update the travel demand model for the Canal area, and develop a scope of work for the next phase of study.

FFY 2010 discussions about the Canal area have been driven by the Army Corps of Engineers (ACOE) fall and spring maintenance work on the two Canal bridges. Commission staff are participating in a state-created task force charged with identifying ways to improve traffic flow and better disseminate information to the traveling public with respect to ACOE maintenance activities. We anticipate including this important Upper Cape planning work in our FFY 2011 UPWP. A transfer of funds is requested to reduce the amount of funding allocated to this task by \$14,790.

Task 3.1 Short Range Planning and Regional Transportation Plan updates

As outlined in the current Unified Planning Work Program (UPWP), Cape Cod Commission staff planned to provide RTP updates and amendments as necessary (e.g. amendment to include Hyannis Access Study recommendations). Presentation materials, maps, website downloads for Transportation/Environmental Workshop.

Commission staff is increasing its public outreach regarding the RTP 2011 and will be bringing its public presentation to any group, large or small, that requests a presentation. As a result, we are seeking additional funding to continue our ongoing efforts to provide outreach and to draft plan sections for consideration by the JTC and MPO. A transfer of funds is requested to increase the amount of funding allocated to this task by \$14,790.

Please note that in order to accommodate the changes within the same overall UPWP funding for FY10, the Canal Area Study task is requested to be decreased.

Sincerely,

Patricia Daley
Chief of Staff/Technical Director

cc: Paul Maloney, FHA

Task 3.4 - Transportation Safety (Reporting/Coordination & Evaluation at 3 locations)

Objectives:

To compile a list of the top fifty crash locations on Cape Cod utilizing MassDOT crash data. Cape Cod Commission staff, in consultation with the Joint Transportation Committee, would determine the criteria for ranking of locations. Coordination with MHD's safety division and participation in MHD Road Safety Audits.

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Deleted: evaluate safety improvements at three high crash locations identified in the 2007 Cape Cod Regional Transportation Plan.

Previous Work:

2006 safety evaluation studies at the Otis Rotary in Bourne, Route 137/39 intersection in Harwich and Route 6A/28 in Orleans, three high crash locations identified in 2003 Cape Cod Regional Transportation Plan. 2008 safety evaluation studies at Route 6/Brackett Road in Eastham and the two intersections on Route 130 in Sandwich formed by the Route 6 ramps at interchange 2. FY 2009 Safety Study includes the following locations: Route 6 Intersections at the Truro Central School, Orleans/Eastham Rotary, Route 6 at Shank Painter Road in Provincetown. Geo-located available crash data to the extent feasible. Conducted outreach to local and state police to improve crash data reporting

Procedures:

- Coordination with MHD designers for safety review of Route 6 locations
- Review of causal factors of crashes at each location.
- Review of roadway/intersection geometry.
- Identification of deficiencies and alternatives to improve safety.
- Review of local and state police reporting practices.
- Identification of ways to improve accuracy, consistency and timeliness of information
- Assistance in the implementation of improved practices.
- Consultation & coordination with appropriate agencies regarding environmental mitigation.
- Use of visualization techniques including GIS data layers showing land use and sensitive environmental areas.

Products:

Produce a list of the top 50 crash locations in the Cape Cod region. Examine three (3) high crash locations as part of the Hyannis Access Implementation Study.

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Deleted: Recommendations to improve safety at studied locations

Schedule:

October-November 2008	Data Collection
December 2008-February 2009	Problem identification, development of improvements and analysis
March 2009	Recommendations and draft report
May 2009	Final report

Funding/Staffing breakdown:

Funding source	Amount	CCC staffing
MassHighway/FHWA	\$55,000	18 person-weeks

Task 3.7 – Climate Change Initiatives

Objectives: To address climate change by promoting reductions in greenhouse gases generated by the residents, businesses and visitors of the Cape Cod region through regulatory incentives and planning support for smart growth land use patterns, congestion management, and programs such as complete streets. To participate in Barnstable County planning programs and related scientific and planning efforts to address impacts of climate change and emergency response needs. To support the Cape Cod Regional Policy Plan objective E1-T2., “Policies to Reduce Vehicle Use: The towns should help to reduce greenhouse gas emissions through adoption of both land use and municipal policies that reduce vehicular travel, address vehicle miles traveled (VMT), encourage energy conservation (such as “no idling” public awareness efforts that encourage drivers to turn off their vehicles’ engines when parked), and use infrastructure more efficiently.” To inventory greenhouse gas emissions and energy consumption for the Cape Cod Region, including transportation-related infrastructure and services that could be potentially impacted by climate change.

Previous Work:

- Adoption of the 2009 Cape Cod Regional Policy Plan setting forth renewable energy standards for new non-residential development. See: <http://www.capecodcommission.org/RPP>
- Transportation, planning and GIS staff efforts to identify access to areas appropriate for development of land based wind generation facilities.
- Identify opportunities to meet Green Communities Act goals through local and regional initiatives.

Procedures:

Support 2009 Cape Cod Regional Policy Plan goals for Growth Incentive Zones and Economic Centers, and transportation-related standards to reduce GHG for re-development and new development.

Continue transportation, planning and GIS staff efforts to identify access to areas appropriate for development of land based wind generation facilities and other renewable energy goals set forth in the Green Communities Act.

Products:

Provide staff support for the federal, interagency Climate Change Scenario Planning Pilot Project designed to plan for climate change impacts in transportation and land use decision-making on Cape Cod, while at the same time reducing the region’s green house gas (GHG) emissions. Commission staff participation in this project includes participation in monthly meetings and providing data, analysis, planning and technical reports, and maps to move the project forward.

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Deleted: an inventory of local and regional green house gas emissions and construct a system to quantify GHG reductions due to local and regional initiatives.

Schedule:

On-going through September 30, 2010.

Funding/Staffing breakdown:

Funding source	Amount	CCC staffing
MassHighway/FHWA	\$6,250	2 person-weeks
CCC	\$12,111	4 person weeks

Task 3.3 – Upper Cape Long Range Transportation Study

Objectives: To re-evaluate the Canal region in light of recent changes, including the Sagamore Flyover, advances in Buzzard's Bay development goals, and other actual and anticipated changes in transportation systems and land use patterns in the area. Review transportation studies in the Canal area and refine and implement a scope of work for a future transportation study. Long term goals include the identification of alternatives to improve transportation flow and safety in the Upper Cape considering all modes of transportation. Efforts to be conducted will be consistent with regional, state, and federal transportation policies.

Previous Work:

- Public meeting to identify additional stakeholders and identify areas of concern for residents of the canal area – on-going.
- The draft Canal Area Transportation Study prepared by Rizzo Associates, Inc. for MHD dated December 21, 1998, and the subsequent draft studies done by staff at the Cape Cod Commission, the most recent dated August 22, 2001.
- Route 3/Route 6 Sagamore Grade Separation Revised Environmental Assessment/Final Environmental Impact Report (EOEA #11731) dated October 31, 2003
- Bourne Scenic Highway Study and Canal Area Study – TransCAD Technical Assistance: Cape Cod Travel Demand Forecasting Model dated February 2000 – Louis Berger Group, Inc.
- EOEA Build-out Analysis for Cape Cod,
- Canal Area Traffic Study dated December 22, 2004 by the Massachusetts Highway Department.
- Buzzards Bay Village Comprehensive Transportation Plan study and recommendations

Procedures:

A study design has been developed and submitted for approval prior to the initiation of work and will be updated and revised. Elements of the study design will include the need for agency coordination regarding environmental mitigation and the need to utilize appropriate visualization techniques. Consultation will include officials and public from affected communities including Upper Cape towns.

With the completion of the Rt 3/Rt 6 interchange at Sagamore, new travel patterns are being established and can be evaluated with the assistance MassHighway for this state owned roadway segment (eliminating the need to estimate the short-term effects of the interchange).

The draft scope of work includes several subject areas not specifically addressed by the previous studies including:

- Freight
- Rail Service
- Emergency Services
- Intelligent Transportation Systems
- Alternative Transportation
- Bicycle Facilities
- Public Transportation
- Passenger Rail
- Canal Crossings
- Capacity
- Useful Life

Identify procedures for analyzing the impacts of the Sagamore Rotary Flyover project on traffic flow and patterns on the Canal area road system including Scenic Highway, Bourne Bridge, Sandwich Road in an effort to determine future improvement needs.

Meet with the U.S. Army Corps of Engineers representative to discuss shared planning goals.

Products:

Participation in a state-created task force charged with identifying ways to improve traffic flow and better disseminate information to the traveling public with respect to ACOE bridge maintenance activities. Development of Scope of Work and budget for subsequent phases.

Schedule:

To be determined in finalized study design.

Funding/Staffing breakdown:

Funding source	Amount	CCC staffing
MassHighway/FHWA	\$3,192.00	1 person-weeks

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Development of data collection and additional study needs. .
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Task 3.1 - Short Range Planning & Regional Transportation Plan updates
(Certification activity)

Objectives: To maintain and update the Regional Transportation Plan for Cape Cod, in conformance with the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) and successor acts, consistent with the goals and requirements of the Cape Cod Commission, towns, the MassHighway, EOT, FTA and the FHWA, considering all modes of transportation and both short and long-range elements.

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.
 Regional Policy Plan for Cape Cod, April 2002.
 Regional Transportation Plan, approved by MPO August 2003.
 Regional Transportation Plan, approved by MPO March 2007.

Procedures:
 Advancement of Short Range planning elements and, as necessary, updates to Regional Transportation Plan. Expected amendment to RTP in 2010 to include recommendations from Hyannis Access Study. Includes RTP conformity analysis and reassessment of fiscal constraint. Ongoing public outreach will include a "Transportation/Environmental Workshop" to further involve Cape Cod environmental organizations and strengthen the link between transportation impacts and environmental analysis. Work with communities to identify Growth Incentive Zones and Economic Centers, promote mixed use development, and identify appropriate transportation infrastructure to support these areas.

Products:
 Updates and amendments as necessary (e.g., amendment to include Hyannis Access Study recommendations). Presentation materials, maps, website downloads for Transportation/Environmental Workshop.

Schedule:
 To be determined. Outreach efforts proposed Spring 2010.

Funding/Staffing breakdown:

Funding Source	Amount	CCC Staffing
MassHighway/FHWA	\$82,290	25.77 person-weeks
FTA	\$20,000	6.5 person-weeks
CCC	\$ 5,000	1.5 person-weeks

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