

ENF Environmental Notification Form

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| <i>For Office Use Only</i> <i>Executive Office of Environmental Affairs</i> | |
| EOEA No.: | 13618 |
| MEPA Analyst: | Nick ZAVOLAS |
| Phone: | 617-626-1030 |

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

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| Project Name: Barnstable/Sandwich, Route 6A Resurfacing | | |
| Street: Barnstable, Rte. 6A Main Street; Sandwich, Rte. 6A, Old King's Highway | | |
| Municipality: Barnstable and Sandwich | Watershed: Cape Cod | |
| Universal Transverse Mercator Coordinates: Start X: 377000, Y: 4622720 Finish X 395100, Y: 4617150 | Latitude: 41°42'04"N to 41°44'56"N Longitude: 70°15'39" W to 70°28'47"W | |
| Estimated commencement date: Spring, 2006 | Estimated completion date: Fall, 2006 | |
| Approximate cost: \$2,500,000 | Status of project design: 98 %complete | |
| Proponent: Massachusetts Highway Department (MassHighway) | | |
| Street: 10 Park Plaza, Room 4260 | | |
| Municipality: Boston | State: MA | Zip Code: 02116 |
| Name of Contact Person From Whom Copies of this ENF May Be Obtained: Robert W. Best, Jr., Environmental Analyst | | |
| Firm/Agency: MassHighway | Street: 10 Park Plaza | |
| Municipality: Boston | State: MA | Zip Code: 02116 |
| Phone: (617) 973-7434 | Fax: (617) 973-8879 | E-mail: robert.best@mhd.state.ma.us |

- Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No
- Has this project been filed with MEPA before?
 Yes (EOEA No. _____) No
- Has any project on this site been filed with MEPA before?
 Yes (EOEA No. _____) No
- Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:
- a Single EIR? (see 301 CMR 11.06(8)) Yes No
 - a Special Review Procedure? (see 301CMR 11.09) Yes No
 - a Waiver of mandatory EIR? (see 301 CMR 11.11) Yes No
 - a Phase I Waiver? (see 301 CMR 11.11) Yes No

Identify any financial assistance or land transfer from an agency of the Commonwealth, including the agency name and the amount of funding or land area (in acres): MassHighway – 100%

Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify _____) No

List Local or Federal Permits and Approvals: Negative Determinations of Applicability for both the Barnstable and Sandwich sections of Rte. 6A.

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- | | | |
|--|---------------------------------------|--|
| <input type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air | <input type="checkbox"/> Solid & Hazardous Waste |
| <input checked="" type="checkbox"/> ACEC | <input type="checkbox"/> Regulations | <input type="checkbox"/> Historical & Archaeological Resources |

| Summary of Project Size & Environmental Impacts | Existing | Change | Total | State Permits & Approvals |
|--|--------------|----------------------|--------------|--|
| LAND | | | | <input type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i> |
| Total site acreage | 74.2 acres | | | |
| New acres of land altered | | -0- | | |
| Acres of impervious area | 36.5 acres | -0- | 36.5 acres | |
| Square feet of new bordering vegetated wetlands alteration | | Not Applicable (N/A) | | |
| Square feet of new other wetland alteration | | N/A | | |
| Acres of new non-water dependent use of tidelands or waterways | | N/A | | |
| STRUCTURES | | | | |
| Gross square footage | N/A | N/A | N/A | |
| Number of housing units | N/A | N/A | N/A | |
| Maximum height (in feet) | N/A | N/A | N/A | |
| TRANSPORTATION | | | | |
| Vehicle trips per day | 5,900-11,400 | -0- | 5,900-11,400 | |
| Parking spaces | N/A | N/A | N/A | |
| WATER/WASTEWATER | | | | |
| Gallons/day (GPD) of water use | N/A | N/A | N/A | |
| GPD water withdrawal | N/A | N/A | N/A | |
| GPD wastewater generation/treatment | N/A | N/A | N/A | |
| Length of water/sewer mains (in miles) | N/A | N/A | N/A | |

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

Yes (Specify _____) No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

Yes (Specify _____) No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural

Yes (Specify _____) No

As stated in correspondence dated 2/10/05 and 3/28/05 (attached) from the Natural Heritage and Endangered Species Program (NHESP), they have determined that portions of this project occur near or in close proximity to Estimated Habitat 408 (WH408) and Priority Habitat 1464 (PH 1464). However, NHESP has also determined that this project, as currently proposed, will not result in a prohibited "take" of any rare species provided that siltation barriers and hay bales are installed along specifically cited sections of the project. Placement of these barriers will be incorporated into the contract for this proposed project.

HISTORICAL /ARCHAEOLOGICAL RESOURCES: Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

The project area is located within the boundaries of the Old King's Highway Regional Historic District. MassHighway's Cultural Resources Unit (CRU) will coordinate its review with the Mass. Historical Commission (MHC) in compliance with state Chapter 254 as applicable. A copy of this ENF has been submitted to the Old King's Highway Regional Historic District Commission for review and comment.

Yes (Specify _____) No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify _____) No

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify Sandy Neck/Barnstable Harbor ACEC) No

When the Sandy Neck/Barnstable Harbor ACEC was designated in 1978, the boundaries established crossed Route 6A at a couple of spot locations in both Barnstable and Sandwich. This is the only MEPA threshold [301 CMR 11.03(11)(b)] tripped by this proposed project.

PROJECT DESCRIPTION: The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (You may attach one additional page, if necessary.)

The Massachusetts Highway Department is proposing to resurface sections of Route 6A in the Towns of Barnstable and Sandwich. In Barnstable, the proposed project begins at the Sandwich town line and proceeds easterly to the beginning of the town portion of Route 6A in Barnstable Village. After skipping over the town portion of Route 6A, the proposed project continues easterly to its end at the Yarmouth town line, a distance of 7.57 miles. In Sandwich, the proposed project begins at the Barnstable town line and proceeds westerly to its end at 1,000 feet east of Chipman Road, a distance of 25,000 feet, or 4.73 miles. The total length of this proposed project in both towns is 64,985 feet, or 12.3 miles. Please see the U.S.G.S. locus maps attached.

Route 6A is classified as a Rural Major Collector/Urban Minor Arterial roadway with two lanes and traffic volumes varying in 2002 from 5,900 vehicles per day Average Daily Traffic (ADT) at the Barnstable/Sandwich town line to 11,400 vehicles per day at the Barnstable/Yarmouth town line. The public right of way varies from 40 feet to 60 feet. The existing roadway is a maximum of 24 feet in width having generally no provisions for either pedestrian or bicycle accommodations. Overall, the existing pavement condition is poor with areas of rutting, cracking, potholes, and raveling evident.

In accordance with the Commonwealth's "Fix it First" policy, the basic purpose of the proposed

project is to improve the safety and serviceability of this roadway by repaving it with 2 inches of bituminous asphalt concrete from edge to edge. Other work items include placement of a variable depth leveling course of asphalt in some locations as required to eliminate the rutting of pavement sections; the placement of loam borrow and seeding or dense graded crushed stone to stabilize shoulders; and the application of new reflectorized pavement markings. No roadway widening or bridge work is proposed. All work will be done within the existing State Highway Layout (S.H.L.O.), predominately within the shoulders of the roadway. No work is proposed within any wetland resource areas. Some work will, of necessity, be done within the buffer zone at some locations, but hay bales and/or silt fence will be placed as directed by the Conservation Commissions and NHESP to eliminate erosion and prevent sediments or other materials from entering the resource areas.

Due to its very limited scope, this proposed project is not subject to the Department of Environmental Protection's (D.E.P.'s) Storm Water Management Policy. However, in compliance with the Commonwealth's "Communities First" policy and MassHighway's ongoing policy of working cooperatively with cities and towns to carry out its mission in an environmentally sensitive manner, M.H.D. worked with the towns involved to develop implementable drainage improvements that will significantly mitigate storm water runoff from Route 6A at a multitude of specific locations, while working within the narrow roadway layout and still maintaining the characteristics of the surrounding areas.

These Best Management Practices (B.M.P.'s) include the elimination of existing direct discharges of runoff to streams and wetlands areas, primarily through the installation of leaching-type catch basins. These leaching basins are designed to capture and infiltrate the "first flush" of storm water. This first flush, or approximately the first one-half inch of precipitation, constitutes 75% of all storm events and carries the bulk of pollutants found in storm water. Drainage sketches depicting these proposed improvements, along with a typical cross section of a leaching-type catch basin, are attached for informational purposes.

The project as proposed is the preferred alternative because it is the most minimally disruptive to the surrounding community and its characteristics. The "no build" alternative is not acceptable because of the deteriorating condition of the roadway where, at one time, it became nearly impassible due to severe potholing. A "bigger build" alternative is not acceptable to the community because it is thought this would significantly change the character of the area.

Relative to the timing of the proposed improvements, following receipt of a Negative Determination of Applicability from the Barnstable Conservation Commission dated 12/15/05, MassHighway was forced to carry out roadway repairs at various locations along Route 6A in Barnstable due to their severely deteriorated condition. Also, the town is proposing to install a new water main soon in the West Barnstable section of Route 6A. The full resurfacing of the Barnstable portion of this proposed project will therefore be held in abeyance for some time. In Sandwich, however, where DEP issued a Superseding Negative Determination of Applicability dated 4/22/05, the roadway resurfacing will be able to go forward as soon as MEPA clearance is received and funding is available.

As a point of information, MassHighway is also currently planning the same type of resurfacing work on a section of Route 6A in the Town of Yarmouth, from the Barnstable town line easterly to Weir Road, a distance of 2.09 miles. This proposed project has the same scope of work as the Barnstable and Sandwich sections and received a Negative Determination of Applicability from the Yarmouth Conservation Commission dated 6/6/05. No MEPA thresholds are tripped by the proposed project in Yarmouth.

Finally, this proposed project will serve to maintain access to important coastal areas along Cape Cod Bay. As such, the project was submitted for review to the Massachusetts Office of Coastal Zone Management (CZM). However, since no federal funds are being used or federal permits required for this project, no formal federal consistency review was found necessary (see attached letter dated 7/19/05).