

# ENF Environmental Notification Form

For Office Use Only  
Executive Office of Environmental Affairs

EOEA No.: 13173  
MEPA Analyst: Deidre Buckley  
Phone: 617-626-1044

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.

Project Name: Reconstruction of a Portion of Bears's Way (Route 28 to Pitcher's Way)		
Street: Bears Way		
Municipality: Barnstable	Watershed: Cape Cod	
Universal Transverse Mercator Coordinates:	Latitude: 41:40:05.2497	Longitude: -70:18:16.7819
Estimated commencement date: March 2004	Estimated completion date: May 2005	
Approximate cost: \$1.1 Million	Status of project design: 25%	%complete
Proponent: Town of Barnstable, DPW/Engineering		
Street: 367 Main Street		
Municipality: Barnstable	State: MA	Zip Code: 02601
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Matthew F. DeSorbo		
Firm/Agency: Massachusetts Highway Department	Street: 10 Park Plaza Room 4260	
Municipality: Boston	State: MA	Zip Code: 02116
Phone: (617) 973-7882	Fax: (617) 973-8879	E-mail: matthew.desorbo@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 301 CMR 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): Federal Aid, Surface Transportation Program - 80% Massachusetts Highway Department - 20% of construction costs.

Are you requesting coordinated review with any other federal, state, regional, or local agency?

Yes (Specify \_\_\_\_\_)  No

List Local or Federal Permits and Approvals: None

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 checked="" type="checkbox"/> Transportation             |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air          | <input type="checkbox"/> Solid & Hazardous Waste               |
| <input 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
<b>LAND</b>				<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	8.75			
New acres of land altered		0.64		
Acres of impervious area	4.15	1.24	5.39	
Square feet of new bordering vegetated wetlands alteration		None		
Square feet of new other wetland alteration		None		
Acres of new non-water dependent use of tidelands or waterways		None		
<b>STRUCTURES</b>				
Gross square footage	NA	NA	NA	
Number of housing units	NA	NA	NA	
Maximum height (in feet)	NA	NA	NA	
<b>TRANSPORTATION</b>				
Vehicle trips per day	NA	NA	NA	
Parking spaces	NA	NA	NA	
<b>WATER/WASTEWATER</b>				
Gallons/day (GPD) of water use	NA	NA	NA	
GPD water withdrawal	NA	NA	NA	
GPD wastewater generation/treatment	NA	NA	NA	
Length of water/sewer mains (in miles)	NA	NA	NA	

**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 Communities?

Yes (Specify \_\_\_\_\_ )     No

**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?

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 \_\_\_\_\_ )     No

**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.*)

#### **Project Site**

The Massachusetts Highway Department in conjunction with the Town of Barnstable propose to reconstruct Bearse's Way, a local road within the Town of Barnstable. The proposed project site is the 4,385 linear feet of Bearse's Way between Route 28 and the intersection with Pitcher's Way. Bearse's Way is an existing Urban Minor Arterial that is one of the main access roads into downtown Hyannis from the Principle Arterial Route 132. Bearse's Way is a heavily traveled road that carries 14,559 vehicles per day during an average month and 18,900 vehicles per day in the peak summer months. The property on the east side of the road is mostly businesses and the property on the west side of the road is mostly owned by the Town of Barnstable who uses this land for their wastewater treatment plant and a DPW highway garage.

There are presently no sidewalks or space on the road for bicyclists. People frequently walk or bicycle on the dirt shoulders and through the parking lots of adjacent businesses to get to work in the restaurants, motels, shops, on Route 132, on Route 28 and in the nearby Cape Cod Mall. This is a major route from housing in Hyannis to these businesses.

Presently stormwater runoff from most of the roadway discharges directly into a wetland on the town owned property.

There are three intersections along this section of Bearse's Way. The southern end of the project is the intersection of Route 28, a principle arterial road through the town. There are frequent backups at this signalized intersection. There is one through and right turn lane and one short left hand turn lane. Mid-way along this section of Bearse's Way is an unsignalized T intersection with Enterprise Road. Enterprise Road is a cross-town connector road that carries 10,102 vehicles per day. The peak hour delays exiting Enterprise Road onto Bearse's Way are two minutes per vehicle during an average month and over 12 minutes per vehicle during the summer months. Lastly, there is an intersection with Pitcher's Way, another unsignalized intersection in need of improvement.

#### **Proposed Project**

The purpose of this project is to improve the above noted deficiencies. A six-foot sidewalk will be constructed on the east side of the road where the businesses are, along with a six foot wide paved shoulder. A three foot wide paved shoulder will be constructed on the west side of the road, with vertical granite curbing. The six-foot shoulder with typical existing and new cross section will allow vehicles to pull over during an emergency, while on the west side of the road there will be only a relatively flat berm that vehicles can drive over onto a grass shoulder during an emergency. The sidewalks and shoulders will also accommodate bicyclists and pedestrians.

Best management practices for stormwater including deep sump catch basins and infiltration basins will be installed to prevent direct discharges into adjacent wetlands. This project does not include any impacts to wetland resource areas, or buffer zones of wetlands. The Barnstable conservation commission has issued a Negative Determination of Applicability on July 29, 2003.

A dedicated right turn lane will be provided at the Route 28 intersection and the dedicated left turn lane at this intersection will be lengthened. The effect of these improvements along with modifications to the traffic signals will reduce delays at this intersection from 1 minute forty seconds to just 40 seconds during the peak hours in the summer months.

A traffic signal will be installed at the Enterprise Road and Bearse's Way intersection that will reduce the delays at this intersection from 12 minutes to less than 10 seconds and will reduce the occurrence of accidents. There will be a dedicated left turn lane southbound on Bearse's Way and a dedicated right turn lane northbound leg on Bearse's Way. There will be right and left turn lanes on Enterprise Road at this intersection.

A left turn lane on Bearse's Way will be provided at Pitcher's Way.

The net result of these traffic improvements will be a reduction in traffic delays and air pollution that is generated by vehicles waiting in traffic.

#### **Alternatives**

There are no other viable alternatives to improving Bearse's Way. The No build would not provide the needed improvements to accommodate bicycles and pedestrians, and reduce traffic congestion. The main travel routes in this area are Routes 132 and 28; which experience heavy congestion.

Steps have been taken by the community to encourage the use of alternative means of transportation. There is a shuttle bus that goes from the Cape Cod Community College parking lot near Route 6 to Hyannis so that passengers to the Nantucket and Martha's Vineyard ferries do not have to drive into Hyannis to the ferry terminals. There is also a commuter parking lot where Route 132 intersects Route 6 so that drivers do not have to drive into Hyannis to take a bus to Boston.

#### **Mitigation**

The effects of these improvements on stormwater quality will be mitigated by the use of Best Management Practices described above.

This project will involve the removal of 122 public shade trees, none of which will exceed the 14 inch DBH threshold. The trees will be replaced at a minimum rate of 2:1 where feasible. The exact placement of these trees has not yet been determined. To the extent possible, restoration plans will restore the visual and cultural character of the land affected by the proposed project. Final tree placement will be determined in consultation with the adjacent landowners.