

For Office Use Only
 Executive Office of Environmental Affairs
 EOEA No.: 12798
 MEPA Analyst: JANET HUTCHINS
 Phone: 617-626-1023

ENF Environmental Notification Form

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: Pleasant Street Reconstruction Project		
Street: Pleasant Street		
Municipality: Belmont	Watershed: Boston Harbor – Mystic & Charles	
Universal Tranverse Mercator Coordinates: 4695050 N to 4966900 N 319400 E to 322100 E	Latitude: 42° 23' 15" to 42° 24' 15" Longitude: 71° 11' 30" to 71° 09' 00"	
Estimated commencement date: Spring 2003	Estimated completion date: Fall 2004	
Approximate cost: \$4.0 Million	Status of project design: 75% complete	
Proponent: Town of Belmont / Massachusetts Highway Department		
Street: 10 Park Plaza		
Municipality: Boston	State: MA	Zip Code: 02116
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Grace Arthur		
Firm/Agency: MassHighway	Street: 10 Park Plaza, Room 4260	
Municipality: Boston	State: MA	Zip Code: 02116
Phone: (617) 973-8251	Fax: (617) 973-8879	E-mail: Grace.Arthur@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): Funding to be provided by 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: ACOE's PGPI, Negative Determination of Applicability from the Belmont Conservation Commission.

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
LAND				<input type="checkbox"/> Order of Conditions <input type="checkbox"/> Superceding 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> <u>Negative Determination of Applicability</u> <hr/> <hr/> <hr/>
Total site acreage (3,025 meters [1.9 miles] X 11 meters)	8.3 Acres			
New acres of land altered				
Acres of impervious area	6.7 Acres	1.54 Acres	8.24 Acres	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration				
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	N/A			
Number of housing units	N/A			
Maximum height (in feet)	N/A			
TRANSPORTATION				
Vehicle trips per day	15,550 vpd	1631* vpd	17,181 vpd	
Parking spaces	N/A			
WATER/WASTEWATER				
Gallons/day (GPD) of water use	N/A			
GPD water withdrawal	N/A			
GPD wastewater generation/ treatment	N/A			
Length of water/sewer mains (in miles)	N/A			

* Anticipated background growth.

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 See attached letter from Natural Heritage

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

MassHighway's Cultural Resource Section will coordinate its review with the Mass. State Historic Preservation Office in compliance with state Chapter 254 or federal Section 106 (as appropriate).

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.)

The Massachusetts Highway Department (MassHighway), in conjunction with the Town of Belmont, proposes improvements to Pleasant Street in the Town of Belmont. The Project begins at the intersection of Pleasant Street and Route 2 and continues southwest approximately 3,025 meters (1.9 miles) and ends at its intersection with Trapelo Road. The proposed roadway improvements include full depth reconstruction. This project is necessary due to the roadway's deteriorated pavement, inadequate drainage and the safety concerns those conditions present to the users of the roadway.

Pleasant Street is a two lane arterial roadway that traverses a thickly settled suburban area, providing access to Belmont Center, several residential neighborhoods, and several commercial establishments and institutions. The existing roadway width varies but averages approximately 8.0 meters (26 feet). A 9.0-meter (29.6 foot) paved width is proposed. This will include travel lane widths of 3.50 meters (11.5 feet) with 1.00 meter (3.3 foot) paved shoulders. The paved shoulder will accommodate bicycle travel. In locations where parking will be provided, an 11.5-meter (38.7 foot) pavement cross-section is proposed.

Several roadway design alternatives were considered for this project. The No Build and Resurfacing Only alternatives would not address the safety and structural deficiencies of the existing roadway surface and consequently the existing maintenance and safety issues would remain unresolved.



The proposed roadway and intersection improvements are based on an examination of the existing conditions, analysis of future traffic volumes, and discussions with town/state officials and residents of Belmont. The proposed improvements will address the physical and operational problems of the roadways while utilizing methods to minimize impacts to adjacent wetlands and residential properties.

The intersections along the Pleasant Street corridor will be upgraded to provide improved traffic operations and increased safety. The improvements will primarily consist of improved signage and pavement markings. Upgraded traffic signal equipment, signal phasing and timing adjustment will be provided for the three signalized intersections on Pleasant Street. Upgrades will also include bicycle detection and emergency vehicle pre-emption. These intersections are the Brighton Street / Concord Avenue and Leonard Street / Clifton Street intersections.

A sidewalk of a minimum width of 1.55 meters (5 feet) will be constructed on the southern side of Pleasant Street for the entire project length. A sidewalk of varying widths will also be constructed on the northerly side of Pleasant Street from Snake Hill Road to the easterly project limits. Parking lanes of varying lengths will be constructed where appropriate along the Pleasant Street Corridor.

To improve roadway safety and vehicular sight distance, the slope located on the northern side of Pleasant Street, immediately west of Snake Hill Road, will be re-graded. A stone masonry wall will be constructed to retain the slope.

Much of the existing drainage system along Pleasant Street is inadequate and will be replaced with pipes of adequate size. Additional drainage structures and appurtenances will be placed to rectify existing drainage problems. The existing drainage patterns and outlets will not be altered. Granite curbing will be installed along the entire length of the roadway.

Construction activities will also include cold planing the approaches and at either end of the project limits. Side road approaches and driveway aprons will be reconstructed or resurfaced. Guardrail will be installed as necessary. Existing signage will be replaced in-kind with new signs with breakaway post assemblies. Pavement markings will be placed on the new pavement using thermoplastic type application. Most of the work will be within the existing roadway layout except for minor slope and/or drainage easements that will be acquired by the town. Access to abutting property and existing travel patterns will not change.

There is one "non-jurisdictional" intermittent stream (Junction Brook) that will be impacted, as a result of the extension of a cross culvert that is located at the beginning of the project limits. Impacts associated with this work will amount to approximately 20 feet of its bank. As part of a filing for McLean Hospital activities in 2001, the Belmont Conservation Commission determined that the stream does not drain upstream wetlands and therefore issued a negative Determination of Applicability for Junction Brook.

Winn's Brook, a perennial stream, crosses under Pleasant Street just to the north of Pleasant Street's intersection with Clifton and Leonard Streets. Work will be performed within its 30.5-meter (100 foot) buffer. Therefore, a Request for Determination of Applicability will be filed with the Belmont Conservation Commission for guidance with respect to this project.

The project will require the removal of more than eight living public shade trees greater than 0.36-meter (14-inch) diameter. Therefore, pursuant to 301 CMR 11.03(6)(b)2(b) an Environmental Notification Form (ENF) is required.