

ENF Environmental Notification Form

For Office Use Only
Executive Office of Environmental Affairs

EOEA No.: 13149
MEPA Analyst: Andrea Dames
Phone: 617-626-1028

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: Route 1 Relocation and Widening		
Street: Route 1 from Route 60 Rotary to Route 99		
Municipality: Revere, Malden, Saugus	Watershed: North Coastal	
Universal Transverse Mercator Coordinates: Begin 333572E / 4698812N End 333572E / 4702023N	Latitude: 42.4257°N to 42.4546°N Longitude: 71.0230°W to 71.0239°W	
Estimated commencement date: Spring 2007	Estimated completion date: Summer 2009	
Approximate cost: \$ 54.0 million	Status of project design: 5% complete	
Proponent: MassHighway		
Street: 10 Park Plaza		
Municipality: Boston	State: MA	Zip Code: 02116
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Kevin Walsh		
Firm/Agency: MassHighway	Street: 10 Park Plaza - Room 4260	
Municipality: Boston	State: MA	Zip Code: 02116
Phone: (617) 973-7529	Fax: (617) 973-8879	E-mail Kevin.Walsh@state.ma.us

Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes (301 CMR 11.03 (6)(a)1.b.) 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))	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
a Special Review Procedure? (see 301 CMR 11.09)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
a Waiver of mandatory EIR? (see 301 CMR 11.11)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
a Phase I Waiver? (see 301 CMR 11.11)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> 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 and FHWA construction funding

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

List Local or Federal Permits and Approvals:

Order of Conditions, Local Conservation Commission's; Environmental Assessment, FHWA; Section 401 Water Quality Certification; Massachusetts Department of Environmental Protection, Section 404 Programmatic General Permit, ACOE, Section 106 Review; Massachusetts Historical Commission

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

- | | | |
|--|---------------------------------------|--|
| <input checked="" type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input checked="" 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 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 checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input checked="" 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 checked="" type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i> <u>If required, WPA Variance</u>
Total site acreage	80 Acres			
New acres of land altered		30 Acres		
Acres of impervious area	33 Acres	12 Acres	45 Acres	
Square feet of new bordering vegetated wetlands alteration		Less than 5,000 sf		
Square feet of new other wetland alteration				
Acres of new non-water dependent use of tidelands or waterways				
STRUCTURES				
Gross square footage				
Number of housing units				
Maximum height (in feet)				
TRANSPORTATION				
Vehicle trips per day	Route 1 - 95,500	None	Route 1 - 95,500	
Parking spaces				
WATER/WASTEWATER				
Gallons/day (GPD) of water use				
GPD water withdrawal				
GPD wastewater generation/ treatment				
Length of water/sewer mains (in miles)				

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 2002-2003 Boston North Quad) 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 Rumney Marshes) 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) is proposing to widen and relocate a portion of Route 1 in Revere, Malden, and Saugus. The 2.4-mile project begins 1,500 feet south of the Route 1/Route 60 Interchange (Copeland Circle) and proceeds north through the Route 1/Route 99 Interchange (See Figures 1 and 9).

Route 1 within the project area is primarily a limited-access urban principal arterial highway that serves as the major north-south roadway for communities north of Boston. This portion of U. S. Route 1 has long-standing operational and safety problems that are the result of high traffic volumes, poor roadway geometry, and a reduction in travel lanes from six to four. Average daily traffic is approximately 95,000 vehicles per day.

Heavy traffic congestion occurs along Route 1, particularly north of Copeland Circle, because of high traffic volumes and a reduction in the number of travel lanes. North of Copeland Circle, Route 1 decreases from a six-lane highway (three lanes northbound and three lanes southbound) to a four-lane highway (two lanes northbound and two lanes southbound). Route 1 returns to a six-lane highway beyond the Route 1/Route 99 Interchange. The Level of Service (LOS) along Route 1 within the project limits is "D" during the morning peak period and "F" during the evening peak period.

Substandard roadway geometry at the exit and entrance ramps of the Route 1/Salem Street/Lynn Street Interchange contributes to the high number of accidents and congestion in this area. Roadway geometry deficiencies include an absence of acceleration and deceleration lanes, tight turning radii and the proximity of adjacent ramps. During the three-year period from 1997 to 1999, a total of 122 accidents occurred in this interchange area.

The deficiencies of Route 1 are described in *The Lower North Shore Transportation Improvement Study*, a planning study completed by the Central Transportation Planning Staff. The study recommends the reconstruction and widening of Route 1 along the existing roadway alignment between Copeland Circle and Route 99 and the reconstruction of the Route 1/Lynn Street/Salem Street Interchange. This alternative would provide some

improvement to the safety and efficiency of Route 1 in this area, however, as explained below, a more substantial improvement, particularly in the roadway's horizontal and vertical geometry, is required.

An additional northbound and southbound travel lane between Copeland Circle and Route 99 is critical to the improvement of safety and reduction of traffic congestion in this area. However, use of the existing alignment, with its steep grades and substandard horizontal curvatures, particularly in the former Rowes Quarry area, is unacceptable. The creation of a new highway alignment through the former Rowes Quarry area is proposed. This would allow for a safer highway alignment and a relocated Route 1/Salem Street Interchange. Alternatives studied are discussed in more detail in Attachment 1.

The following improvements to traffic operations and safety in this area are in the preferred alternative (See Figure 9):

- Construct an additional lane in each direction along Route 1 for the entire length (2.4 miles) of the project to provide a consistent six-lane facility;
- Relocate Route 1 eastward from Salem Street in Revere to approximately the Malden/Revere city boundary;
- Construct a new interchange along Route 1 approximately 1,000 feet north of the Route 1/Salem Street/Lynn Street Interchange;
- Close the existing Route 1/Salem Street/Lynn Street Interchange exit and entrance ramps;
- Construct ancillary roadways to provide continued access to local roadways from the new interchange at Route 1.

Under the preferred alternative, the project will require right-of-way takings to accommodate the new Route 1 alignment and the proposed interchange. Approximately 28.1 acres of land will be donated from the former Rowes Quarry property (owned by Roseland Property Company) and an additional 7.1 acres will be purchased from other residential and commercial property owners. The Roseland Property Company (Overlook Ridge DEIR filed June 30, 2002, EOE # 11971) has agreed on the donation of land.

Based on the conceptual design, the project will affect less than 5,000 square feet of BVW and require approximately 8,300 cubic yards of fill within the 100-year floodplain. BVW and floodplain impacts would occur west of Route 1 directly north of the Pines River. A portion of the project is adjacent to the Rumney Marshes ACEC. MassHighway will work with the ACEC Program, and other environmental regulatory agencies, to avoid and/or minimize impacts land within the ACEC.

An ENF and mandatory EIR is required for this project pursuant to 301 CMR 11.03(1)(a) 2 and 11.03(6)(a) 1.b. The project involves the creation of greater than ten acres of impervious area and the widening of an existing roadway by one or more travel lanes for two or more miles.