

Commonwealth of Massachusetts

Executive Office of Environmental Affairs ■ MEPA Office

ENF

Environmental Notification Form

<i>For Office Use Only</i> <i>Executive Office of Environmental Affairs</i>
EOE No.: <i>14438</i> MEPA Analyst: <i>Aisling Eglinton</i> Phone: <i>617-626-1024</i>

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: Falmouth- Reconstruction of Route 28 at Reine's Corner		
Street: Route 28, East Falmouth Highway		
Municipality: Falmouth, MA	Watershed: Cape Cod	
Universal Transverse Mercator Coordinates:	Latitude: 041° 34' 17.65" N Longitude: 070° 33' 10.31" W	
Estimated commencement date: Fall, 2009	Estimated completion date: Fall, 2011	
Approximate cost: \$ 2,400,000.00	Status of project design: 75 %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: Gregory Dlubac		
Firm/Agency: MassHighway	Street: 10 Park Plaza	
Municipality: Boston	State: MA	Zip Code: 02116
Phone: 617-973-8280	Fax: 617-973-8879	E-mail: Gregory.Dlubac@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): The Massachusetts Highway Department is funding 20% and the Federal Highway Administration is funding 80% of the 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: **Wetlands Protection Act – Order of Conditions; Superseding Order of Conditions; Section 404 Programmatic General Permit Category I; National Environmental Policy Act – Categorical Exclusion Checklist; National Pollutant Discharge Elimination System (NPDES) General Permit for Construction Activities; Section 106 Review**

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

- Land
 Rare Species
 Wetlands, Waterways, & Tidelands: 301 CMR 11.03(3)(b)1.a.
- Water
 Wastewater
 Transportation
- Energy
 Air
 Solid & Hazardous Waste
- ACEC
 Regulations
 Historical & Archaeological Resources

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
LAND				<input checked="" type="checkbox"/> Order of Conditions <input checked="" 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 (including Legislative Approvals) – Specify:
Total site acreage w/in ROW	2.51			
New acres of land altered		0.06		
Acres of impervious area	1.51	0.21	1.72	
Square feet of new bordering vegetated wetlands alteration		3,108 S.F.		
Square feet of new other wetland alteration		67,033 (Temporary)		
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	24,620	-0-	24,620	
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 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.)

The Massachusetts Highway Department (MassHighway) proposes to reconstruct approximately 0.34 miles of Route 28 in the Town of Falmouth. The project limits begin at the intersection of Route 28 with Sao Paulo Drive and extend easterly along Route 28 approximately 1,775 feet (0.34 miles) to a point approximately 400 feet east of Menauhant Road. The purpose of the project is to reconstruct and widen the roadway to improve roadway geometrics and safety, reconstruct the sidewalk, and improve drainage.

Land use adjacent to this section of Route 28 is primarily residential, however there are two commercial properties (Rocky's Gym and D.A Auto) and one property with agricultural use (Handy Cranberry Trust).

Existing Conditions:

Route 28 is functionally classified as a "Rural Minor Arterial." Currently this section of Route 28, known as Reine's Corner, contains a fairly sharp curve with poor roadway geometrics. This, along with other factors, has led to numerous fatalities due to driver misjudgment handling the curve.

The existing Route 28 facility consists of a varying roadway width of 24 to 26 feet. This consists of a 12 to 13 foot travel lane in each direction. Additionally, there is a severely deteriorated 3 to 4 foot sidewalk on the northern side of Route 28.

Proposed Conditions:

The proposed roadway reconstruction will necessitate a smoothing of the curve along a 300-foot long stretch of Route 28 in approximately the middle of the project route, resulting in a maximum roadway widening of approximately 17 feet from the back of the existing

sidewalk (for the realigned roadway and new sidewalk) on the northerly side of Route 28. The proposed roadway cross-section consists of two 15 foot travel lanes (one in each direction) and a 5 foot sidewalk on the northern side of Route 28.

The proposed Route 28 roadway will consist of a taper section that starts just east of Sao Paolo Drive, and proceeds easterly approximately 150 feet, where the proposed 30 foot wide cross-section begins. The proposed 30 foot wide roadway cross-section then runs easterly approximately 1,500, to approximately 200 feet west of Timothy Bourne Cartway. From there, the roadway width will narrow to match the existing roadway width near Timothy Bourne Cartway.

Along the proposed realigned stretch of Route 28, the existing reinforced concrete box culvert that passes Bourne's Brook beneath Route 28 will be extended on the northerly side to accommodate the roadway shift. Additionally, a modified rock filled slope will be used to fill the areas on the north side of Route 28. This will result in approximately 3,108 square feet of impacts to cranberry bog. The project will mitigate for this impact by constructing a 3,436 square foot wetland replication area (and access path) south of Route 28 on town-owned conservation land adjacent to the Bourne's Brook.

One notable component of this public safety improvement project involves upgrading the existing drainage systems. Best Management Practices (BMP's) will be used throughout the project area. On the west side of Bourne's Brook, the drainage sub-system will retain the six standard catch basins (CB's) with the 2.5-3 foot sumps that are outside the Reine's Corner project limits. However, the four standard CB's inside the project limits will all be replaced by a total of ten with a minimum of four foot deep sump catch basins that will act as pre-treatment for, and be paired with, ten leaching type basins. This will capture and infiltrate the first inch of stormwater. These will outlet through a new eighteen inch pipe that will be retrofitted to the existing southwestern wingwall of the culvert.

Similarly, the proposed drainage subsystem on the east side of Bourne's Brook will retain the four standard CB's that are outside the project limits. However, the six standard CB's inside the project limits will be replaced by a total of eight sump catch basins with a minimum depth of four feet, five of which will act as pre-treatment for, and be paired with, five leaching type basins in order to capture and infiltrate the first inch of stormwater. These will outlet through a replaced twenty four inch pipe that exits through the existing southeastern wingwall of the culvert. (Please reference the attached Stormwater Report.)

Additionally activities included in this safety improvement project will involve the installation of work area safety signing, installation of hay bales and/or silt fences to protect wetland resource areas, clearing and grubbing as necessary, constructing new driveway aprons, replacing guardrail throughout the project limits, installation of new thermoplastic pavement markings and raised pavement markers, and the placement of plantable soil borrow and seeding as needed to refurbish and stabilize shoulders.

In accordance with the MEPA regulations (in 301 CMR 11.03(3)(b)1.a.) an ENF is required because the project involves alteration of coastal bank.