

Environmental Justice Screening Form

Project Name	Intersection Improvements at Route 28 (Randolph Avenue) and Chickatawbut Road
Anticipated Date of MEPA Filing	September 2023
Proponent Name	Massachusetts Department of Transportation - Highway Division
Contact Information (e.g., consultant)	Alyssa Jacobs Epsilon Associates, Inc. 3 Mill & Main Place, Suite 250 Maynard, MA 01754 ajacobs@epsilonassociates.com
Public website for project or other physical location where project materials can be obtained (if available)	The Proponent will provide information as it becomes available to the Milton Public Library in Milton, MA. Project information and links to sign up for project updates can be accessed at: https://www.mass.gov/lists/documents-meeting-materials-for-the-randolph-avenue-rt-28-at-chickatawbut-intersection-improvements-project Project inquiries or statements can be directed to: dot.feedback.highway@state.ma.us
Municipality and Zip Code for Project (if known)	Milton, MA 02186
Project Type* (list all that apply)	Transportation – Roadways/Transit
Is the project site within a mapped 100-year FEMA flood plain? Y/N/unknown	N
Estimated GHG emissions of conditioned spaces (click here for GHG Estimation tool)	N/A

Project Description

- Provide a brief project description, including overall size of the project site and square footage of proposed buildings and structures if known.
The Project site is the existing intersection of Route 28 (Randolph Avenue) and Chickatawbut Road (see Attachment A Figures 1 and 2). The intersection of Randolph Avenue (Route 28) at Chickatawbut Road is a four-legged signalized intersection with four approaches. The Project site area extends approximately 600 feet north and south of the Randolph Avenue (Route 28) and Chickatawbut Road intersection and extends approximately 400 feet west and east of the intersection. The existing intersection is ranked in the State Top 5 most dangerous intersections. The most recent fatal crash at the intersection was in July 2022.

The Proponent proposes to improve safety at the intersection of Route 28 (Randolph Avenue) and Chickatawbut Road and install transportation accommodations for all users. The Project starts at the town line between Milton and Quincy on Randolph Avenue (Route 28) and extends

1200 feet north of Chickatawbut Road. On Chickatawbut Road, work will extend approximately 400 feet east and west of Route 28. Work will include removing the existing signalized intersection and replacing it with a multi-lane roundabout with rapid rectangular flashing beacon (RRFB) signals at crossings for pedestrians on the Chickatawbut Road approaches and pedestrian hybrid beacons (PHB) signals at crossings for pedestrians on the Randolph Avenue approaches. The proposed design will include the use of box widening, pavement milling and overlay, and full depth reconstruction due to profile change. The proposed roundabout design maintains two lanes in each direction along Route 28 and single lane approaches along Chickatawbut Road, as under the existing conditions. The proposed roundabout will have a major inscribed diameter of 160 feet and circulating lanes that are 15 feet wide. Approach lanes to the roundabout vary from 12 feet to 14 feet.

The Project will also construct a 10-foot-wide shared use path on both sides of Route 28 and Chickatawbut Road for better and safer connectivity for bike and pedestrian access throughout the intersection. Improvements are also proposed to pedestrian connectivity to the parking lot for the Blue Hills Reservation located at the southeastern corner of the intersection. In addition, the existing drainage system will be improved with new deep sump catch basins, new lateral pipes, and trunk line pipes. Retaining walls are proposed along Randolph Avenue and Chickatawbut Road to reduce impacts to abutting properties, parkland, and environmental resources.

To install the improvements, the existing two-story residential building and garage at 1282 Randolph Avenue will be demolished. The Project will result in an increase in new impervious area of approximately 21,000 sf (0.48 acres).

2. List anticipated MEPA review thresholds (301 CMR 11.03) (if known)
 - 301 CMR 11.03(6)(b)2.(b) – Cut five or more living public shade trees of 14 or more inches in diameter at breast height.**
 - 301 CMR 11.03(1)(b)3. – Disposition or change in use of land or an interest in land subject to Article 97 of the Amendments to the Constitution of the Commonwealth, unless the Secretary waives or modifies the replacement land requirement pursuant to M.G.L. c. 3, § 5A and its implementing regulations.**
3. List all anticipated state, local and federal permits needed for the project (if known)
 - **Massachusetts Department of Environmental Protection (MassDEP) Section 401 Water Quality Certification**
 - **Milton Conservation Commission Massachusetts Wetlands Protection Act (WPA) Order of Conditions**
 - **Massachusetts Endangered Species Act (MESA) Regulatory Review**
 - **Section 4(f) de minimis Impact Determination (per 23 CFR 771)**
4. Identify EJ populations and characteristics (Minority, Income, English Isolation) within 5 miles of project site (can attach map identifying 5-mile radius from [EJ Maps Viewer](#) in lieu of narrative)
EJ Populations within a mile of the Project site include:

Block Group	Census Tract	County	Town	Criteria	Total Minority Population	Households with Language Isolation	Median Household Income
4	4161.01	Norfolk	Milton	Income	18.4%	0%	\$141,050 (167.2% of the MA median)
3	4182.01	Norfolk	Quincy	Minority	30.7%	9.1%	\$80,462 (95.4% of the MA median)

There are about 259 EJ Populations within a 5-mile radius from the Project site in the municipalities of Dedham, Milton, Quincy, Randolph, Braintree, Norwood, Canton, Holbrook, Stoughton, Avon, and Boston, meeting the criteria Minority, Minority and income, Minority and English isolation, Income, and Minority, income, and English isolation. Please see attached EJ Map.

Using the EJ Maps Viewer that identifies “Languages Spoken in Massachusetts,” the Proponent found one tract with 5% or more of the population who do not speak English very well within one mile of the Project site. These populations speak the following language:

- Chinese (6.2%)

5. Identify any municipality or census tract meeting the definition of “vulnerable health EJ criteria” in the [DPH EJ Tool](#) located in whole or in part within a 1 mile radius of the project site
The Proponent identified two towns within one mile of the Project site: Milton and Quincy. No census tracts within a mile of the Project site meet the Vulnerable Health EJ criteria.

6. Identify potential short-term and long-term environmental and public health impacts that may affect EJ Populations and any anticipated mitigation

The Project is not anticipated to have disproportionately adverse impacts to EJ Populations.

Anticipated impacts include:

- Increased vehicle emissions from short-term construction related traffic.
- Temporary traffic interruptions during construction due to lane closures and diversions.
- Temporary impacts on air quality during construction.
- Increased noise levels during construction and from ongoing operations at the Project site

All impacts will be reviewed through MEPA and the various permitting programs and will be appropriately mitigated in accordance with applicable regulations.

7. Identify project benefits, including “Environmental Benefits” as defined in 301 CMR 11.02, that may improve environmental conditions or public health of the EJ population

- Improve roadway congestion and in turn air quality;
- Improve vehicular, pedestrian, and bicycle safety, increasing public safety;
- Improve bike and pedestrian connectivity access for commuters and recreational activities and resources; and
- Reduce roadway crashes, increasing public safety.

8. Describe how the community can request a meeting to discuss the project, and how the community can request oral language interpretation services at the meeting . Specify how to request other accommodations, including meetings after business hours and at locations near public transportation.

The Project Proponent is willing to meet with interested parties at a time and location that is convenient to the public. To request a meeting and any needed accommodations, please contact Alyssa Jacobs at Epsilon Associates, the environmental consultant firm assisting the Proponent through the permitting process.

Alyssa Jacobs

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**MEPA Project Types [Note: this list can be omitted when circulating this form.]*

Article 97	Marijuana
Agriculture	Marine Industrial
Airport	Master Plan – Development
Aquaculture/Shellfish	Master Plan – Urban Renewal Plan
Beach/Coastal Nourishment	Other (Specify)
Coastal Infrastructure	Recreation
Commercial - Office/Lab/R&D	Regulations
Commercial - Hotel	Remediation
Commercial - Warehouse	Residential
Commercial- Retail	Resiliency
Dam Removal	Solid Waste
Dam Repair/Replacement	Transportation – Roadways/transit
Dredging	Transportation - Trails
Ecological Restoration	Wastewater – Treatment/conveyance
Energy Generation	Wastewater - CWMP
Energy Storage	Water Supply - New Source
Energy Transmission	Water Supply – Treatment/conveyance
Industrial	
Institutional - Educational	