

Commonwealth of Massachusetts
 Executive Office of Energy and Environmental Affairs
 Massachusetts Environmental Policy Act (MEPA) Office

Environmental Notification Form

For Office Use Only

EEA#: 16029

MEPA Analyst: Purvi Patel

The information requested on this form must be completed in order to submit a document electronically for review under the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Route 143 Road Improvements & Related Work		
Street Address: Route 143		
Municipality: Worthington	Watershed: Westfield River Watershed	
Universal Transverse Mercator Coordinates:	Latitude: 42° 25' 31" Longitude: 072° 56' 51"	
Estimated commencement date: Spring 2019	Estimated completion date: Winter 2021	
Project Type: Road Improvements	Status of project design: 0 %complete	
Proponent: Worthington Highway Depart. – Albert Nugent/MassDOT Highway Division		
Street Address: 64 Huntington Road		
Municipality: Worthington	State: MA	Zip Code: 01098
Name of Contact Person: Hung Pham		
Firm/Agency: MassDOT	Street Address: 10 Park Plaza	
Municipality: Boston	State: MA	Zip Code: 02116
Phone: 857-368-8831	Fax: 857-368-0609	E-mail: hung.pham@dot.state.ma.us

Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No

If this is an Expanded Environmental Notification Form (ENF) (see 301 CMR 11.05(7)) or a Notice of Project Change (NPC), are you requesting:

a Single EIR? (see 301 CMR 11.06(8)) Yes No
 a Special Review Procedure? (see 301CMR 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
 (Note: Greenhouse Gas Emissions analysis must be included in the Expanded ENF.)

Which MEPA review threshold(s) does the project meet or exceed (see 301 CMR 11.03)?
11.03(3)(b)1.b. – alteration of 500 or more linear feet of bank along a fish run or inland bank;
11.03(3)(b)1.d. – alteration of 5,000 or more sq. ft. of bordering or isolated vegetated wetlands;
11.03(3)(b)1.f. – alteration of one half or more acres of any other wetland
11.03(6)(b)(1)(b)- widening of an existing roadway by four feet or more for one half or more miles
11.03(6)(b)(2)(a)- alteration of bank or terrain located ten or more feet from the existing roadway for one-half or more miles
11.03(6)(b)(2)(b)- cutting of 5 or more living public shade trees of 14 or more inches in

diameter at breast height

Which State Agency Permits will the project require?

DEP §401 Water Quality Certification;

Note: Additional local and Federal Permits include:

Order of Conditions – Town of Worthington

US Army Corps of Engineers §404 General Permit - Pre-construction Notification Form

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: **MassDOT will fund the construction costs (undetermined percentage) and the Federal Highway Administration will fund the remaining construction costs (undetermined percentage). No land transfer from any Agency of the Commonwealth is required as part of this project.**

Summary of Project Size & Environmental Impacts	Existing	Change	Total
LAND			
Total site acreage	48.5 acres		
New acres of land altered		23.7 acres	
Acres of impervious area	24.8 acres	+ 3.1 acres	27.9 acres
Square feet of new bordering vegetated wetlands alteration		PHASE 1 <u>BWW/IVW:</u> 0 s.f. (perm.) 399 s.f. (repl./rest.) PHASE 2 <u>BWW/IVW:</u> 8,910 s.f. (perm.) 8,910 s.f. (repl./rest.)	
Square feet of new other wetland alteration		PHASE 1 <u>LUW:</u> 0 s.f. (Perm.) 0 s.f. (Temp.) <u>Bank:</u> 0 ft. (Perm.) 625 ft. (Temp.) <u>Riverfront Area</u> ¹ : 0.26 ac (Perm.) 1.75 ac (Temp.) <u>BLSF/FEMA</u> ¹ : 0.17 ac (Perm.) 0.90 ac (Temp.) PHASE 2 <u>LUW:</u> 145 s.f. (Perm.) 129 s.f. (Temp.) <u>Bank:</u> 528 ft. (Perm.) 519 ft. (Temp.) <u>Riverfront Area</u> ¹ : 0.36 ac (Perm.) 2.04 ac (Temp.) <u>BLSF/FEMA</u> ¹ : 0.02 ac (Perm.) 0.11 ac (Temp.) ¹ Does not include impervious area	

Acres of new non-water dependent use of tidelands or waterways		NA	
STRUCTURES			
Gross square footage	NA	NA	NA
Number of housing units	NA	NA	NA
Maximum height (feet)	NA	NA	NA
TRANSPORTATION			
Vehicle trips per day	No change	No change	No change
Parking spaces	0	0	0
WASTEWATER			
Water Use (Gallons per day)	NA	NA	NA
Water withdrawal (GPD)	NA	NA	NA
Wastewater generation/treatment (GPD)	NA	NA	NA
Length of water mains (miles)	NA	NA	NA
Length of sewer mains (miles)	NA	NA	NA
Has this project been filed with MEPA before? <input type="checkbox"/> Yes (EEA # _____) <input checked="" type="checkbox"/> No			
Has any project on this site been filed with MEPA before? <input type="checkbox"/> Yes (EEA # _____) <input checked="" type="checkbox"/> No			

GENERAL PROJECT INFORMATION – all proponents must fill out this section

PROJECT DESCRIPTION: See below & attached Project Narrative (Section II)

On behalf of the Town of Worthington Highway Department (WHD), in conjunction with the Massachusetts Department of Transportation – Highway Division (MassDOT), CHA Consulting, Inc. is pleased to present the *Proposed Route 143 Road Improvements and Related Work Project* for the rehabilitation and expansion of the roadway surface along Route 143 (Old North Road/Williamsburg Road) between the Peru Town Line to the Chesterfield Town Line in the Town of Worthington, Massachusetts (See Section III – Figures 1 & 2). The overall Route 143 project has been broken into two separate MassDOT projects due to funding. The objective of this approximately 7.5-mile project (3.9 miles for Phase 1 and 3.6 miles for Phase 2) is to upgrade the existing roadway to extend the service life and improve traffic flow as well as increase safety for pedestrians, cyclists, and automobiles. Proposed improvements include: road widening (road center will remain essentially the same); replacing the existing storm drainage system structures along Old North Road (drop inlets/culverts/headwalls) and Williamsburg Road (installing/replacing deep sump catch basins); upgrading the geometrics at the Route 143/Route 112 intersection at Worthington Corners (town center) with a min-roundabout; and, safety improvements such as installing new signs and thermoplastic pavement markings throughout the Route 143 road corridor for improved bicycle and pedestrian awareness.

In addition to filing this Environmental Notification Form (ENF) with the Executive Office of Energy and the Environment Affairs (EOEEA) Massachusetts Environmental Policy Act (MEPA) for work within/adjacent to wetland resource areas, environmental permitting associated with the project (See Section IV, Appendix A) involves filing a Notice of Intent (NOI) with the Town of Worthington and Department of Environmental Protection (DEP). However, road work along Route 143 is proposed to be constructed in two phases due to both proposed funding sources as well as availability with the Transportation Improvement Program (TIP) under the MassDOT. Phase 1, between the Chesterfield Town Line west to

Cold Street (western intersection with Old North Road), is anticipated to go to construction in the Fall of 2019 and will include a NOI (03/08/19) to be reviewed concurrently with this ENF. Phase 2 will extend from Cold Street (western intersection) west to the Peru Town Line. Phase 2 is anticipated to require concurrent review of a NOI, §401 Water Quality Certificate (WQC) application with the DEP as well as a Pre-Construction Notification (PCN) application under the Corps GP due to greater proposed wetland and waterbody impacts.

Describe the existing conditions and land uses on the project site:

Route 143 (Old North Road/Williamsburg Road) is the primary east-west route through the Town of Worthington and provides direct access to Route 112, the primary north-south route through town (See Section III, Figures 1 & 2). The project extends from the Peru Town Line east to the Chesterfield Town Line for a total length of approximately 7.5 miles. The Old North Road, approximately 5.3 miles long, is classified as a rural major collector and extends from the Peru Town Line to Worthington Corners (town center) at the western junction of Route 112. The existing paved roadway at the western end (Peru Town Line east roughly one mile) is approximately 22 feet wide but increases to approximately 23 feet to Worthington Corners at the intersection of Route 112. Williamsburg Road is classified as a rural minor arterial that extends from Worthington Corners east to the Chesterfield Town Line, approximately 2.2 miles in length. The existing pavement width varies from 26 feet to 32 feet with an average width of approximately 27 feet. There are no sidewalks throughout the project corridor.

Route 143 traverses variable terrain with level fields/agricultural areas as well as steep hills/side slopes. The highest elevations, over 1,700 feet above sea level, occur at the western end of town near the Peru Town Line with the lowest elevations present at the eastern end of town, approximately 1,100 feet, at the Chesterfield Town Line. Land uses abutting Route 143 vary but are predominantly forested areas/open space, agricultural lands and rural residential areas. Worthington Corners (town center), at the western junction of Route 143/Route 112, includes the post office, various residential homes as well as a health care center and an inn a short distance northwest along Old North Road. Public lands with conservation restrictions are located adjacent to Route 143 and include the Worthington State Forest, managed by the Department of Conservation and Recreation (DCR) as well as private lands under the Massachusetts Agriculture Preservation Restriction Program along Williamsburg Road and Old North Road located northeast and north of Worthington Corners. Various state-listed historic buildings/structure/sites are listed along Route 143, although no National Register of Historic Places (NRHP) buildings/structures are listed for the area. None of these properties are anticipated to be adversely impacted since the proposed road expansion will remain within or immediately adjacent to the paved Route 143 right-of-way.

Route 143 crosses various perennial and intermittent waterbodies (See Section III, Figures 1 & 2) as identified on the USGS Worthington topographical map. Trout Brook/Middle Branch of the Westfield River in the western part of town/West Worthington was designated in November, 1993 as a National Wild & Scenic River (NW&SR) under the U.S. Department of Interior (USDI) National Park Service. It is also designated as a Class A public drinking water supply/outstanding resource water (ORW) with a Zone A protection zone. FEMA Zone AE/A 100-year floodplains area associated with Trout Brook/Middle Branch as well as Bronson Brook/West Falls Branch of the Westfield River adjacent to Route 143 in the eastern portion of Worthington.

Road shoulders are unimproved throughout the majority of Route 143 and stormwater runoff occurs predominantly via country drainage. However, closed drainage systems are present along some stretches of Williamsburg Road in the eastern half of the project east of Worthington Corners (See Section V, Site Plans). Open drainage systems consist of drop inlets and/or gutter flow with outfalls often discharging directly to adjacent wetland areas and stream channels. Closed drainage systems consist of catch basins, manholes, and concrete and/or corrugated metal pipe. The majority of catch basins along Williamsburg Road are in need of repair and will be replaced with this project.