



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 04
2088 SOUTH ARLINGTON RD. • AKRON, OH 44306 • 330-786-3100

Environmental Document

for

ATB US 0322 08.11 PID 113810

Environmental Document Level: C2

Approved: 1/22/2025

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The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by ODOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 14, 2020, and executed by FHWA and ODOT.

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C2

Project Information

PID:	113810
Project Sponsor:	DISTRICT 4-PLANNING
ODOT District:	4
Funding Source:	Federal

C2 Section

Project Description:

The Ohio Department of Transportation (ODOT) proposes to improve approximately seven miles of US Route (USR) 322 by resurfacing the pavement and completing associated roadway maintenance, from Mile Marker 8.11 to Mile Marker 15.24. The project is located along USR 322, from County Route (CR) 566 to just east of SR 11, located in Colebrook, Orwell and Wayne Townships and the village of Orwell, Ashtabula County, Ohio. The work includes some regrading of the roadway embankment, one bridge replacement at ATB-322-13.99, one culvert replacement at ATB-322-12.18, and minor bridge work to three additional structures at ATB-322-9.65, ATB-322-10.22, and ATB-322-13.55. Construction is expected to begin in June 2025 and last approximately 6 months. Traffic will be detoured for portions of construction.

The proposed work at the various structures is summarized below.

1. ATB-USR 322-9.65/Structure File Number (SFN) 0406325 in Orwell Township, Ashtabula County: The project will complete bridge maintenance on this existing bridge that carries US 322 over Rock Creek. Proposed work at this location includes micro silica deck overlay, expansion joint replacement, abutment repair, pile encasement, channel clean out, slope repair and protection, railing replacement, and spall removal. All work at this location will occur within the existing right-of-way.
2. ATB-USR 322-10.22/SFN 0406341 in Colebrook Township, Ashtabula County: This project will complete an asphalt deck overlay and channel clean out on this bridge structure that carries an unnamed tributary to Rock Creek under USR 322. All work at this location will occur within the existing right-of-way.
3. ATB-USR 322-12.18/Culvert File Number (CFN) 1979062 in Colebrook Township, Ashtabula County: The project will replace the existing 34' stone box culvert that carries an unnamed tributary to Rock Creek under USR 322. The existing culvert will be replaced with a 72' Type A conduit. The proposed work will require permanent right-of-way at this location.
4. ATB-USR 322-13.55/SFN 0406368 in Colebrook Township, Ashtabula County: The existing continuous concrete slab structure carrying USR 322 over Mosquito Creek was built in 1953. Work at this location includes expansion joint replacement, abutment repair, pile encasement, channel clean out, guardrail replacement, deck overlay, slope repair and spall removal. All work at this location will occur within the existing right-of-way.
5. ATB-USR 322-13.99/SFN 0406392 in Colebrook Township, Ashtabula County: This existing concrete slab structure carries an unnamed tributary to Mosquito Creek under USR 322. This structure was built in 1964. Work at this location includes replacing the existing structure with a 4-sided box culvert and associated in-stream work. The proposed work will require temporary right-of-way at this location.

This project also proposes milling/resurfacing pavement, pavement repairs, rumble stripes installations and pavement marking applications within the project construction limits.

Mapping that depicts the project locations on United States Geological survey (USGS) 7.5-minute topographic quadrangle maps is included in the Project File/General/Project Information subsection as *USGS Quadrangle Topographical Map.pdf*.

A minimum of one ten-foot bi-directional lane shall be maintained on the existing pavement or completed pavement during construction of the project. The proposed culvert replacement at ATB-322-12.18 and the proposed structure replacement at ATB-322-13.99 will require road closures and detours for up to 20 days each to be performed at separate times. The detour route for



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ATB-322-12.18 will use USR 322/SR 46/USR 6/SR 45. The detour route for ATB-322-13.99 will use USR 322/SR 11/USR 6/SR 46. The construction, lane restrictions/reductions and road closures/detours will be posted within the project construction limits prior to the start of project construction. Lane restrictions/reductions shall not be permitted after normal working hours. Access shall be maintained to all adjacent properties, businesses and intersecting side streets for the duration of project construction. Substantial traffic disruptions are not expected during project construction.

0.094 acre of new permanent right-of-way from one parcel and a total of 0.054 acre of temporary right-of-way from two parcels will be required to construct the project. Total property takes, structure takes or relocations are not proposed to construct the project. See the right-of-way plan information for the project in the Project File/General/Project Information subsection as Right of Way Plan Sheets.pdf.

Minor relocations of existing utilities within the project study area may be necessary to construct the project. These minor utility relocations may occur within the existing and proposed new permanent roadway right-of-way. Utilities will not be permanently removed to construct the project. Coordination with the utility companies affected by the proposed construction activities was conducted for the project during its preliminary engineering phase and will continue during its detailed design phase.

The project proposes to permanently impact a total of approximately 516 linear feet of four (4) streams, Rock Creek, Mosquito Creek, an unnamed tributary to Mosquito Creek and Stream 2, and a total of approximately 0.244 acre of three (3) wetlands, Wetland A, Wetland D and Wetland E, within the project study area. Approximately 0.09 acre of suitable wooded habitat (SWH) for the Federally-listed Indiana Bat and Northern Long-eared Bat and the proposed Federally-listed Tri-colored Bat will also be removed to construct the project. See the ecological and threatened/endangered species documentation for the project in the Project File/Ecological/Reports subsection, the Ecological tab and the Permit Determination Request in the Project File/Permits/Waterways subsection.

The environmental document and associated studies, as applicable, were approved using the Stage 3 Design plans and the right-of-way plan for the project. A copy of the Stage 3 Design plans and the right-of-way plan for the project is included in the Project File/General/Project Information subsection as Stage 3 Design.pdf and Right of Way Plan Sheets.pdf.

The estimated total project cost specified in Ellis is 9.64% greater than the total project cost specified in the ODOT State Fiscal Years 2024 - 2027 Statewide Transportation Improvement Program (STIP). However, based on the estimated total project cost being greater than \$5,000,000 and less than \$10,000,000 and the additional project cost not exceeding 30%, a STIP amendment is not necessary for the project.

The next phase of the proposed project is listed on the STIP: Yes

Ellis STIP Details

Phase	Current STIP Reference
ENV	113810: 24-27 STIP
RW	113810: 24-27 STIP
CO	113810: 24-27 STIP

The current cost estimate is in line with existing federal procedures for Ohio STIP Amendments and Administration Modifications: Yes

Select the appropriate project type:

(26) Modernization of a highway by resurfacing, restoration, rehabilitation, reconstruction, adding shoulders, or adding auxiliary lanes (including parking, weaving, turning, and climbing lanes), if the action meets the constraints in paragraph I of this section. **Examples include: Joint or limited use of right-of-way where the proposed use would have minimal or no adverse social (including highway safety), economic or environmental impacts; Installation of new noise walls and other new noise mitigation projects; Construction of highway safety and truck escape ramps; Construction of bicycle lanes and pedestrian walkways, sidewalks, shared-use paths, or facilities and trailhead parking that do not otherwise qualify for a C1 designation; Beautification or facility improvement projects (i.e. landscaping, curb and gutter installation and replacement, ADA ramps/curb ramps, installation of park benches, decorative lighting, etc.); Construction of alternative energy facilities (fuel tank farms, wind turbines, etc.)**

(28) Bridge rehabilitation, reconstruction, or replacement or the construction of grade separation to replace



existing at-grade railroad crossings, if the actions meet the constraints in 23 CFR 771.117(e). **Examples include: Railroad projects that close or relocate at-grade crossings**

In accordance with 23 CFR 771.117(e), the proposed project cannot be processed as a C2 CE, if it involves -

1. **a.** Acquisition of more than a minor amount of ROW (exceeds strip takes)
2. **b.** Residential or non-residential displacements
3. **c.** A U.S. Coast Guard permit or an Individual Section 404 permit under the Clean Water Act
4. **d.** A Section 106 finding of *Adverse Effect*
5. **e.** Section 4(f) impacts greater than de minimis
6. **f.** A finding of *May Affect, Likely to Adversely Affect* to Threatened and Endangered Species
7. **g.** Construction of temporary access, or the closure of existing road, bridge, or ramps, that would result in major traffic disruptions
8. **h.** Changes in access control
9. **i.** Floodplain encroachment other than functionally dependent uses (e.g., bridges, wetlands) or actions that facilitate open space use (e.g., recreational trails, bicycle and pedestrian paths)
10. **j.** Construction activities in, across or adjacent to a river component designated or proposed for inclusion in the National System of Wild and Scenic Rivers
11. **k.** No minor public or agency controversy on environmental grounds (no opposition from any organized groups or agencies and no unresolved environmental coordination)
12. **l.** A full Environmental Justice Analysis Report (EJAR) is required (the project must be processed as a D-level CE or higher-level document). If a memo-to-file/letter/IOC-format EJAR Short Report is determined to be the appropriate level of documentation, contact OES regarding NEPA document level.

For certification purposes, documentation is required to illustrate no significant impacts will occur to the following environmental resources and that no unusual circumstances exist that would warrant a higher level of NEPA document. Upload all supporting documentation to the project file.

Ecological

Waterways:	Present; No Coast Guard, Individual 404, and/or Section 10 Permit required
Waterways Permit Type:	Permit Determination and/or Permit Application Approval Pending
Isolated Wetland Permit	No
Will any wetlands be impacted?	Yes
Endangered Species:	Present; No finding of May Affect, Likely to Adversely Affect
Endangered Species - Coordination	May Affect, Not Likely to Adversely Affect
Endangered Species - Coordination Date	09/23/2024



Endangered Species - Critical Habitat Present/Impacted

Other

Eastern massasauga

Indiana bat

Northern long-eared bat

Endangered Species - Other Critical Habitat Present/Impacted:

Yes

**Endangered Species - Other
Description:**

Tricolored Bat (*Permyotis subflavus*)

Scenic Rivers

No National Wild and Scenic River
Within 1000 Feet of the Proposed
Project Area

Scenic Rivers Remarks

The project is not located within 1,000 feet of any national or state scenic rivers.

Floodplains

100-Year Floodplain:

No Encroachment Within a Special
Flood Hazard Area (SFHA)

Floodplain Remarks

A review of FEMA FIRM mapping was conducted for the project study area and determined construction activities are not located within a designated Special Flood Hazard Area (SFHA) floodplain. See the floodplain mapping for the project in the Project File/Permits/Floodplains subsection.

Section 4(f)

Section 4(f):

Not present

Section 4(f) Remarks

There are no Section 4(f) resources located within or immediately adjacent to the project study area.

Section 6(f)

Section 6(f):

Not present

Cultural Resources

Cultural Resources:

Not Present

**Cultural Resources Coordination - ODOT Approval/SHPO
Concurrence Date**

09/25/2024

Cultural Resources Remarks



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Cultural resources records checks were performed for the project area using SHPO GIS online database. No cultural resources listed on or determined eligible for listing on the National Register of Historic Places were identified within and/or immediately adjacent to the project area. The undertaking is a type that has minimal potential to cause effects to historic properties in accordance with Appendix B of the Section 106 Programmatic Agreement and therefore, no further coordination is required for the project. See the cultural resources documentation for the project in the Project File/Cultural Resources/Project Information subsection and the Cultural Resources tab.

Environmental Resources Considered

The following environmental resources are present and have been studied for potential impacts:

Regulated Materials

Air Remarks

This project is an Exempt Project per 40 CFR 93.125 (pavement resurfacing and/or rehabilitation; and reconstruction bridges, no additional travel lanes). An air quality analysis is not warranted for the project.

Noise Remarks

The project does not qualify as a Type I project for noise (i.e. not adding capacity, not moving thru travel lanes equal to or greater than 50% closer to noise sensitive areas) and a noise analysis is not required for the project under 23 CFR 772.

**The project involves ROW acquisition, Deep Excavation, or OEPA
513 Landfill Authorization:**

Yes - Screening

Regulated Materials Review Screening:

No Further Regulated Materials Review

Regulated Materials Review Screening - DEC/OES Approval Date:

09/23/2024

Regulated Materials Review Remarks:

Based on the RMR Screening, the District determined further RMR assessment or special material management are not warranted for this project.

Environmental Justice

Projects that meet C2 criteria must be in accordance with ODOT's EJ Guidance and activities conducted for Public Involvement are commensurate to the project's type and scope of work.

Environmental Justice Populations

Present; No EJAR Required, Does Not Exceed EJ Guidance Criteria, and No Issues Raised During Public Involvement

Identified Environmental Justice Populations

Census Block Group #	% Minority	% Low Income
390070014002	6	30
390070014003	4	44
390070014004	2	33
390070013011	5	49



390070013014	0	13
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Environmental Justice Remarks

A review of the ODOT Transportation Information Mapping System (TIMS) indicated Environmental Justice (EJ) populations (i.e., Minority and Low Income populations) are present within the project study area. No businesses or residences will be acquired or relocated as part of the project. The project will have no disproportionately high and adverse effects to minority or low-income populations based upon the table above and the attached mapping. No concerns related to impacts on Environmental Justice were raised as a result of public involvement activities conducted as part of the project. Therefore, in accordance with the protections of Executive Order 12898 and FHWA Order 6640.23A, no further analysis is required for the project. Based on the above findings, an Environmental Justice Analysis Report is not required for the project. See the Census Mapping for the project in the Project File/Environmental Justice/Project Information subsection.

Public Involvement

Public Involvement:

Minimum PI Requirements Met; No Minor Public or Agency Controversy on Environmental Grounds

Public Involvement Remarks

ODOT District 4 conducted various public involvement activities for the project including a press release, a website posting, and notifications to public officials and emergency/public services providers. Additionally, property owner notification letters were distributed to property owners/tenants located adjacent to the culvert and bridge locations. Comments were requested by all public involvement activities conducted for the project. One comment was received and responded to by email regarding maintaining traffic during construction and the use of agricultural equipment in the project limits during project construction. See the public involvement documentation for the project in the Project File/Public Involvement/Project Information subsection.

Environmental Commitments

Environmental Commitments

Yes



Ecological

Wetlands

ESR Name:	Wetland ID:	Hydrologic connection:	Wetland category:	Estimated total size (ac.):	Total estimated impact area by alternative (ac.):
ATB-US 322-10.22	Wetland C	Adjacent	Category 1	0.05	0.002
ATB-US 322-12.18	Wetland D	Adjacent	Category 1	2.93	0.04
ATB-US 322-13.55	Wetland E	Adjacent	Category 3	50	0.203
ATB-US 322-13.99	Wetland F	Adjacent	Category 1	1.75	0.09
ATB-US 322-9.65	Wetland A	Adjacent	Category 1	0.002	0.001
	Wetland B	Adjacent	Category 1	0.008	0

Has an Approved and/or Preliminary Jurisdictional Determination been made by the USACE? No

Total impact to all wetlands (ac.): 0.336

Total acres of non-isolated wetlands impacted: 0.336

Total acres of isolated wetlands impacted: 0

In accordance with Executive Order 11990 - USDOT Order 5660.1A, this Wetland Finding has been prepared to document that wetlands have been avoided to the extent possible to minimize the long and short term adverse impacts associated with the destruction or modification of wetlands, and to document that there are no practicable alternatives to avoid construction in wetlands.

An analysis of the 'Do Nothing' alternative indicates that it is not practicable because (check all that apply):

It Would Not Correct Existing Condition and Maintenance Problems.

An analysis of improvements that avoid all wetland impacts indicates that they are not practicable because (check all that apply):

They Will Substantially Increase Project Costs.

They Will Not Meet the Identified Needs of the Project.

Include justification supporting the decisions noted above:

The No Build alternative does not meet the project's Purpose & Need to improve deteriorated and deficient roadway and structure



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conditions. The project footprint has been reduced to the maximum extent practicable. Implementation of additional measures to further reduce the project footprint is not feasible or warranted based on the purpose and need of the project; the location of the aquatic resource relative to the project location; and the overall minor impacts of the project as currently designed.

All practicable measures have been considered and incorporated into the project design to avoid, minimize, wetland impacts. The wetland impact minimization measures that will be followed for the project are documented in the environmental commitments for the project. Wetland mitigation for unavoidable impacts will be provided if required by the Clean Water Act or Ohio isolated wetland law, as regulated by the US Army Corps of Engineers and Ohio EPA regulations (33 CFR parts 325 and 332 and 40 CFR part 230, and OAC 3745-01-54), and (ORC 6111.027). No practicable alternatives exist for the proposed construction in wetlands, and the proposed action includes all practicable measures to minimize harm to the wetlands that may result from such use.

Remarks:

See wetlands and other ecological resource impact information in the Permit Determination Request in the Project File/Permits/Waterways subsection and the ecological reports provided in the Project File/Ecological/Reports subsection.



Environmental Commitments

C2

- 1) The project designer shall incorporate the following note into the plans. ENDANGERED SPECIES HABITAT - INDIANA BAT/NORTHERN LONG-EARED BAT: THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED TO CONSTRUCT THE PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.
- 2) ODOT will obtain all appropriate waterway permits prior to any work within the jurisdictional boundary of any waterway, including wetlands, and all Waterway Permit Special Provisions will be noted under Special Provisions in the plans and adhered to during construction.
- 3) The project designer shall incorporate the following note into the plans. PROTECTION OF DRINKING WATER RESOURCES: PORTIONS OF THE PROJECT ARE LOCATED WITHIN THE INNER MANAGEMENT ZONE AND SOURCE WATER PROTECTION AREA ASSOCIATED WITH THE VILLAGE OF ORWELL'S COMMUNITY WATER SYSTEM, THE SOURCE WATER PROTECTION AREA FOR THE COLEBROOK LOUNGE NONCOMMUNITY SYSTEM, AND THE INLAND SURFACE WATER SOURCE WATER AREA WATERSHED ASSOCIATED WITH THE CITY OF WARREN COMMUNITY SYSTEM. BEST CONSTRUCTION PRACTICES ARE TO BE IMPLEMENTED TO MINIMIZE WATER QUALITY IMPACTS. IDLE EQUIPMENT, PETROCHEMICALS, AND TOXIC/HAZARDOUS MATERIALS SHALL NOT BE STORED NEAR DRAINAGE WAYS, DITCHES OR STREAMS. REFUELING SHALL NOT BE UNDERTAKEN NEAR DRAINAGE WAYS, DITCHES OR STREAMS. A SPILL CONTAINMENT KIT IS TO BE MAINTAINED ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. SPILLS OF FUELS, OILS, CHEMICALS, OR OTHER MATERIALS THAT COULD POSE A THREAT TO GROUNDWATER SHALL BE CLEANED UP IMMEDIATELY. IF THE SPILL IS A REPORTABLE AMOUNT, THE VILLAGE OF ORWELL VOLUNTEER FIRE DEPARTMENT (911) AND THE OEPA SPILLS HOTLINE (1-800-282-9378) MUST BE CONTACTED WITHIN 30 MINUTES OF KNOWLEDGE OF THE RELEASE.
- 4) The Project Designer shall incorporate the following note into the plans: ENDANGERED SPECIES -EASTERN MASSASAUGA RATTLESNAKE - THE PROJECT SITE AT ATB US 322-13.55 IS WITHIN THE RANGE OF THE EASTERN MASSASAUGA RATTLESNAKE (SISTRURUS CATENATUS) A STATE ENDANGERED AND FEDERAL THREATENED SPECIES. IF EASTERN MASSASAUGA RATTLESNAKES ARE ENCOUNTERED IN THE WORK AREA(S) DURING CONSTRUCTION, NO PERSON SHALL HARM OR KILL THE SNAKES OR ATTEMPT TO HANDLE THE EASTERN MASSASAUGA RATTLESNAKE. ALL CONSTRUCTION OPERATIONS AT THE WORK AREA(S) SHALL TEMPORARILY CEASE AND ODOT OFFICE OF ENVIRONMENTAL SERVICES (OES) - ECOLOGICAL SECTION (614-466-5129 OR 614-466-5112) AND THE UNITED STATES FISH AND WILDLIFE SERVICE (USFWS) COLUMBUS FIELD OFFICE (614-416-8993) WILL BE IMMEDIATELY CONTACTED. CONSTRUCTION OPERATIONS WILL NOT RESUME UNTIL COORDINATION WITH ODOT OES AND USFWS HAS BEEN CONCLUDED.



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Preparers and Approvals

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Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Edward Deley (PROGRAM ADMIN 3)	1/22/2025



Appendix

General

USGS Quadrangle Topographical Map.pdf

Cultural Resources

Minimal Potential to Cause Effect - Appendix B

Ecological

Coordination with ODNR - Mussel Survey Report email.pdf

ODNR Comments

ODNR Concurrence - Mussel Survey.pdf

ODNR Scenic River MOA Conditions

USFWS Concurrence

USFWS/ODNR Ecological MOA Conditions

Other Resources

Water Source Protection Area Map.pdf

Well Log Data.pdf

Section 6(f)

LWCF Grant Listing.pdf

Environmental Justice

Census Mapping - ATB-322-10.22.pdf

Census Mapping - ATB-322-12.18.pdf

Census Mapping - ATB-322-13.55.pdf

Census Mapping - ATB-322-13.99.pdf

Census Mapping - ATB-322-8.11.pdf

Census Mapping - ATB-322-9.35.pdf

Public Involvement

Emergency Public Services Notification.pdf

Press Release.pdf

Project Website.pdf

Property Owner Notification Letter - 2.pdf

Property Owner Notification Letter.pdf



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Public Notification Mailing List.pdf

Response to Public Comments.pdf