



OHIO DEPARTMENT OF TRANSPORTATION

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

Environmental Document

for

STA Beaumont Ave Bridge PID 113498

Environmental Document Level: C2

Approved: 10/6/2023

Prepared By: Jaclyn Bruns

Lawhon & Associates

Phone: 740-224-0724

E-mail: Jbruns@lawhon-assoc.com

District Contact: Brian Peck

Phone: 330-786-4931

E-mail: Brian.Peck@dot.ohio.gov

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:	113498
Project Sponsor:	STARK COUNTY ENGINEER
ODOT District:	4
Funding Source:	Federal
Project Description:	



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The Stark County Engineer in coordination with the Ohio Department of Transportation is proposing to replace the TR-344 (Beaumont Ave.) bridge (SFN: 7633378) over Newman Creek, east of the City of Massillon in Lawrence Township, Stark County, Ohio. The existing structure is a single span steel truss bridge with corrugated steel deck. The proposed replacement structure is a single span, spread, prestressed concrete box beam bridge with new composite reinforced concrete deck on a semi-integral reinforced concrete abutments on spread footings. This structure replacement also proposes sealing of exposed concrete surfaces with an epoxy-urethane sealer, shoulder and embankment reconstruction/widening, installation of new storm sewer conduit and catch basins, guardrail replacement, pavement resurfacing, and new center/edge pavement marking applications within the structure construction limits. Mapping that depicts the project location 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 full roadway closure at the bridge will be necessary and is expected to last from 90 to 120 consecutive days. Driveways near and within the construction area will be accessible and maintained throughout construction. It is expected that northbound Beaumont Avenue traffic will be rerouted to Wooster Street NW, to Kenyon Avenue NW, to Orrville Street NW and reverse for southbound traffic. Construction, road closure and detour information will be posted prior to the start of project construction. Access shall be maintained to all adjacent properties and businesses during project construction. Substantial traffic disruptions are not expected to construct the project.

Minor relocations of existing utilities will be necessary to construct the project. These minor utility relocations will occur within the existing or proposed roadway rights-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. Approximately 0.251-acre of temporary right-of-way and 0.153-acre of permanent right-of-way will be needed from four (4) residential parcels at the bridge and stream course to accommodate the new wider structure and allow access during project construction. Project construction and anticipated right-of-way takes are shown in the Stage 1 Design plan and preliminary right-of-way plan sheets included in the Project File/General/Project Information subsection.

The project proposes to impact approximately 97 linear feet of Newman creek and permanently impact/eliminate 0.013 acres of jurisdictional wetlands within the project construction limits. Ecological survey identified freshwater mussels in Newman Creek in proximity of the project construction limits. All freshwater mussels present in proximity of the construction limits will be relocated prior to project construction in accordance with Ohio Department of Natural Resources (ODNR) Ohio Mussel Survey Protocol guidelines. The project also proposes to remove approximately 0.336-acre of suitable wooded habitat (SWH) for the federally-listed Indiana Bat (*Myotis sodalis*), Northern Long-eared Bat (*Myotis septentrionalis*) and Tri-colored Bat (*Perimyotis subflavus*) and state-listed Little Brown Bat (*Myotis lucifugus*) species. All tree removal will occur between October 1 and March 31 to protect these species during their summer roosting period. See ecological resource and threatened and endangered species information for the project in the Level 1 Ecological Survey Report and agency coordination documentation provided in ecological resource tab and the Project File/Ecological/Reports and Coordination subsections.

The project will not impact any other environmentally sensitive resources within the project study area. The environmental document and associated studies, as applicable, were approved using the Stage 1 Design plans for the project. Stage 1 Design plan information for the project is included in the Project File/General/Project Information subsection as *Stage 1 Design.pdf*.

The estimated total project cost specified in Ellis agrees with the total project cost specified in the ODOT State Fiscal Years 2024 - 2027 Statewide Transportation Improvement Program (STIP).

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

Yes

Ellis STIP Details

Phase	Current STIP Reference
ENV	On Previous STIP



Phase	Current STIP Reference
CO	113498: 24-27 STIP
DD	113498: 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:

(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 09/12/2023

Endangered Species - Critical Habitat Present/Impacted

Indiana bat

Northern long-eared bat

Endangered Species - Other Critical Habitat Present/Impacted: No

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

Scenic Rivers Remarks

There are no National Wild and Scenic River Within 1000 Feet of the Proposed Project Area. No further coordination is required.

Floodplains

100-Year Floodplain: Encroachment Within the SFHA is a
Functionally Dependent Use

EO 11988 Compliance Met No

NFIP Coordination and Documentation Completed Yes

NFIP Local Floodplain Coordinator Notification Date: 02/21/2023

Floodplain Remarks

Lawhon & Associates personnel reviewed FEMA FIRM documentation for the project and determined the project encroaches within a mapped special flood hazard area (SFHA); Zone A of Newman Creek. The project designer shall design the project to comply with all applicable Local, State, and Federal floodplain protection standards. Project floodplain coordination was initiated with the Stark County Floodplain Administrator on February 21, 2023. If required, appropriate floodplain permitting shall be obtained prior to the start of project construction. See the floodplains mapping and coordination documentation for the project in the Project File/Permits/Floodplains subsection.

Section 4(f)

Section 4(f): Not present

Section 4(f) Remarks

No section 4(f) properties are present in the project study area. The project will not impact any Section 4(f) resources.

Section 6(f)



Section 6(f): Not present

Cultural Resources

Cultural Resources: Present; No Finding of Adverse Effect

Cultural Resources Coordination: Minimum Potential to Cause Effect
Appendix B

**Cultural Resources Coordination - ODOT Approval/SHPO
Concurrence Date** 07/25/2023

Cultural Resources Remarks

The undertaking is limited to replacement of a 52-foot-long pony truss bridge in rural Lawrence Township, Stark County, Ohio. Construction activities will focus on the existing operational right-of-way. However, minor strip right-of-way will be needed from stream course and valley to accommodate the new wider structure and allow access during construction. No buildings will be involved in construction and no relocations will be required for the project. Literature search performed for the project area in the Ohio SHOPO Online Mapping System determined there are no inventoried buildings (OHI), no known archaeological sites (OAI), and no listed or eligible historic properties found in the project area or in the area of potential effects (APE). Therefore, in accordance with Stipulation V(C)(1) and Appendix B of the Section 106 Programmatic Agreement executed on June 29, 2023 (Agreement No. 38503), ODOT-OES determined on 7/25/23 that the proposed project is a type of undertaking that has 'minimal potential to cause effects' to historic properties and is not a part of a larger undertaking.

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 93.126 (Widening narrow pavements or reconstructing bridges; no additional travel lanes). No air quality analysis is required 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: 09/29/2023

Regulated Materials Review Remarks:



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Based on the information in the Regulated Materials Review (RMR) Form completed for the project, further RMR activities or special materials management are not warranted for the project. See the RMR documentation for the project in the Project File/ESA/Reports subsection.

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
391517112024	11	36
391517147013	5	25

Environmental Justice Remarks

A review of the ODOT Transportation Information Mapping System (TIMS) indicated Environmental Justice populations within the proposed project area. No businesses or residences will be acquired or relocated as part of the project. The proposed project will have no disproportionately high and adverse effects to minority or low-income populations based upon the table above and attached mapping and no concerns related to impacts on Environmental Justice were raised as a result of public involvement activities conducted as part of the proposed project. Therefore, in accordance with the protections of Executive Order 12898 and FHWA Order 6640.23A, no further analysis is required. See Environmental Justice documentation 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

Various public involvement activities were conducted for the project, including a news release, website posting, project maintenance of traffic/schedule information mailed/electronic mailed to local emergency and public services in the project location vicinity, and project notification letters mailed to affected/abutting property owners. Project comments were requested with all public involvement activities. No comments or questions were received as a result of the public involvement performed for the project. See 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.):
STA-Beaumont Ave Bridge ESR	Wetland A	Adjacent	Category 1	0.019	0.013

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

Total impact to all wetlands (ac.): 0.013

Total acres of non-isolated wetlands impacted: 0.013

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 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 bridge structure conditions. The project footprint has been reduced to the maximum extent practicable. Implementation of additional measures to further reduce the impact 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. The project was designed to minimize impacts to wetlands.

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



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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:

No practicable alternatives exist for the proposed construction that avoid wetlands entirely. See wetlands and other ecological resource impact information in ecological reports and agency coordination provided in the Project File/Ecological/Reports and Coordination subsections.



Environmental Commitments

C2

1) The project may result in removal of suitable wooded habitat for threatened and endangered bat species. The project designer shall incorporate the following note into the plans:

ENDANGERED SPECIES HABITAT - INDIANA BAT/NORTHERN LONG-EARED/TRICOLORED 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 UNDER THIS 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) Mussels are present within project area and may be impacted by the project. A relocation of the mussels shall be conducted prior to the start of instream construction activities in Newman Creek in accordance with the most recent version of ODNR's Ohio Mussel Survey Protocol. The mussel survey must occur after May 1 and before October 1 either within the same season as the instream work or the season prior to the instream work and the Stark County Engineer's Office shall obtain approval from the Ohio Department of Natural Resources prior to the contractor performing any work below the OHWM of Newman Creek.

3) The project is located within a FEMA flood zone and will be designed to comply with all applicable Local, State, and Federal floodplain protection standards. Appropriate floodplain permitting shall be obtained prior to the start of project construction.

4) In-water work restriction dates are applicable to this project at Newman Creek. The project designer shall incorporate the following note into the plans.

IN-WATER WORK RESTRICTION DATES - NEWMAN CREEK: NO IN-STREAM WORK SHALL BE PERFORMED WITHIN NEWMAN CREEK FROM APRIL 15 THROUGH JUNE 30. IN-STREAM WORK IS DEFINED AS THE PLACEMENT AND/OR REMOVAL OF FILL MATERIALS (TEMPORARY OR PERMANENT) BELOW THE ORDINARY HIGH WATER OF THE CREEK. EXAMPLES OF "FILL" INCLUDE, BUT ARE NOT LIMITED TO: BRIDGE PIERS, ABUTMENTS, CULVERTS, ROCK CHANNEL PROTECTION, SCOUR PROTECTION, AND TEMPORARY ACCESS FILLS. FILLS PLACED WITHIN NEWMAN CREEK CAN CONTINUE TO BE WORKED FROM/DURING THE WORK RESTRICTION DATES, BUT CANNOT BE EXPANDED, REMOVED, OR OTHERWISE MODIFIED (BELOW ORDINARY HIGH WATER) UNTIL ONCE AGAIN OUTSIDE OF THE WORK RESTRICTION DATES.



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Preparers and Approvals

Form Preparer:

Jaclyn Bruns
Lawhon & Associates
1441 King Ave., Columbus OH 43212
740-224-0724
Jbruns@lawhon-assoc.com

Supporting Form Preparer(s):

Brian Peck
Andrew Fluegemann
Andrew Fluegemann
Greg Bowman
Jaclyn Bruns
Susan Daniels
Shelley Kiwala

Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Brian Peck (ENV SPEC 3)	10/6/2023



Appendix

General

Aerial Map.pdf

County Map.pdf

USGS Quadrangle Topographical Map.pdf

ESA

ODOT Recommendations - Screening.pdf

Regulated Materials Review Form.pdf

Cultural Resources

Minimal Potential to Cause Effect - Appendix B

Records Check.pdf

Ecological

ODNR Scenic River MOA Conditions

USFWS/ODNR Ecological MOA Conditions

Other Resources

Census Bureau Urbanized Area Map.pdf

Water Source Protection Area Map.pdf

Well Log Data.pdf

Environmental Justice

Census Mapping.pdf

Public Involvement

Local Media Notification.pdf

Local Schools Notification.pdf

Press Release.pdf

Property Owner Notification Letter Mailing List.pdf

Public Notification Letter.pdf

Public and Emergency Services Notification.pdf

Website Snapshot 8-30-2023.pdf

Permits

Coordination with Local Floodplain Administrator.pdf



FEMA FIRM.pdf

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