



OHIO DEPARTMENT OF TRANSPORTATION

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

Environmental Document

for

MAH CR 0078 Walker Rd Bridge PID 111521

Environmental Document Level: C2

Approved: 4/25/2024

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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:	111521
Project Sponsor:	MAHONING COUNTY ENGINEER
ODOT District:	4
Funding Source:	Federal

C2 Section

Project Description:



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The Mahoning County Engineer proposes to replace the bridge, Structure File Number 5036011, that carries Walker Mill Road over Yellow Creek in Boardman Township, Mahoning County. The existing structure, built in 1925, is a 77.75-foot three span reinforced concrete slab with reinforced concrete abutments, piers, and wingwalls. The proposed structure will be a 100-foot single span steel plate girder with composite reinforced concrete deck and integral abutments. The bridge will be widened from 24.5 feet to 32 feet. Additional improvements proposed by this project include approach roadway work, rock channel protection placement and guardrail installation.

Mapping that depicts the project location on United States Geological Survey (USGS) 7.5-Minute Topographic Quadrangle Mapping is included in the Project File/General/Project Information subsection as *USGS Quadrangle Topographical Map.pdf*. During construction, Walker Mill Road at the project site will be closed to traffic for a period not to exceed 180 consecutive calendar days. The official detour route for this closure will utilize South Avenue (CR 151), Western Reserve Road (CR32) and North Lima Road (CR163). Construction and bridge closure/detour information will be posted along Walker Mill Road, along all intersecting side roads and on the Mahoning County Engineer webpage, prior to the start of construction activities. Access shall be maintained to all properties within and adjacent to the project construction limits for the duration of project construction. Substantial traffic disruptions are not expected during project construction.

A total of 0.022 acre of temporary right-of-way from two parcels will be required to construct the project. No permanent right-of-way is required to construct the project. See the right-of-way plans for the project in the Project File/General/Project Information subsection as *Final Right-of-Way Plans.pdf*.

Multiple overhead and ground-based utilities exist within the project study area including electric, water, gas, telecommunications and a utility lift station. The overhead electric and telecommunications utilities as well as a ground-based gas line are in conflict and will be relocated to complete the bridge work and shall be coordinated with the service providers in accordance with the project plans and will occur within the existing 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 detailed design phase and will continue until the relocations are complete.

The project proposes to impact a total of 61 linear feet of Yellow Creek during the replacement of the bridge. The stream impacts were reduced to the maximum extent practicable during Stage 2 Plan development. Also, during Stage 2 Plan development, it was determined that Stream 2 and Wetlands A, B and C will not be impacted by the project. See correspondence regarding the revised stream and wetland impacts in Project File/Ecological/Project Information subsection as *Project Related Decision - Ecological.pdf*.

In addition, the project proposes to impact 0.092 acre of habitat for the federally endangered Indiana Bat (*Myotis sodalis*) and Northern Long-eared Bat (*Myotis septentrionalis*) and the federally-proposed endangered Tri-colored Bat (*Perimyotis subflavus*) as well as the state-listed Little Brown Bat (*Myotis lucifugus*). Impacts were once again reduced to the maximum extent practicable during Stage 2 Plan development. Areas of Wetland C beyond the project study area may provide suitable habitat for the Eastern Massasauga snake. A conservation easement is located along the southern boundary of the project study area. See ecological documentation, threatened/endangered species documentation and correspondence regarding the revised ecological impacts for the project in the Project File/Ecological section and the Ecological tab.

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 2 Design plans for the project. A copy of the Stage 2 Design plans for the project is included in the Project File/General/Project Information subsection as *Stage 2 Design.pdf*.

The estimated total project cost specified in Ellis is less than 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
CO	111521: 24-27 STIP
CO	111521: 24-27 STIP
DD	On Previous 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?	No
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 09/10/2021

Endangered Species - Critical Habitat Present/Impacted

Eastern massasauga

Indiana bat

Northern long-eared bat

Endangered Species - Other Critical Habitat Present/Impacted: Yes

Endangered Species - Other Description:

0.092-acre of potential wooded habitat for federally-proposed endangered Tri-colored Bat.

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

Scenic Rivers Remarks

The project will not impact any scenic river.

Floodplains

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

EO 11988 Compliance Met Yes

NFIP Coordination and Documentation Completed Yes

NFIP Local Floodplain Coordinator Notification Date: 03/05/2024

Floodplain Remarks

Upon review of the FEMA FIRM for the project study area, the project is located within a special flood hazard area. The project is designed to comply with all applicable Local, State and Federal floodplain protection standards. If required, floodplain permitting shall be obtained prior to the start of construction. See the floodplains documentation for the project in the Project File/Permits/Floodplains subsection.

Section 4(f)

Section 4(f): Present; No Impacts and/or Access
Restrictions

Section 4(f) Remarks

Poland Village Park, a property owned by Village of Poland, is located adjacent to the project area. There are no right-of-way or access impacts to this Section 4(f) property. There are no access points to the park located in the project area. No permanent incorporation of land into a transportation facility or temporary occupancy will occur. No coordination is required. See the Poland Village Park Map in the Project File/Section 4(f)/Project Information subsection as *Poland Village Park Map* and right-of-way plans for the project in the Project File/General/Project Information subsection as *Final Right-of-Way Plans.pdf*.



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 07/25/2022

Cultural Resources Remarks

The undertaking is a bridge replacement project along Walker Mill Road (CR 78) in Boardman Township, Mahoning County, Ohio. The existing bridge carries the roadway over Yellow Creek which is found seven miles south of downtown Youngstown, Ohio. The existing concrete slab bridge will be removed. The current bridge will be replaced by a steel plate girder structure with a composite concrete deck on integral abutments. Approaching pavement will be replaced and new guardrails will be installed. The new structure will be placed on the existing line and grade. The construction efforts will focus to the existing operational right-of-way. However, temporary right-of-way is needed to provide temporary access during construction. No buildings will be involved in construction and no relocations will be required.

A Cultural Resources Records Check was performed using the SHPO GIS online database to determine if previously recorded cultural resources are located within the project Area of Potential Effects (APE). The literature search concluded 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). The existing bridge (SFN 5036011) is a Type 101N Concrete (simple) Slab structure originally constructed in 1925. This structure is not considered eligible for the National Register based on the Ohio DOT Historic Bridge Inventory (accepted April 28, 2010). Non-historic bridge replacements and general roadway modernization activities focused on the operational right-of-way are exempt from further cultural resource consideration by the 11/8/17 Cultural Resource PA (Agreement 19319), if the project is not within the boundaries of any historic property or N. R. district. Therefore, in accordance with Stipulation V(C)(1) and Appendix B of the Section 106 Programmatic Agreement (PA) executed on November 8, 2017 (Agreement No. 19319), amended on July 11, 2019, ODOT-OES has determined 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. No further cultural resources coordination is required. 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

See the Air Quality documentation for the project in the Project File/Air/Coordination subsection.

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:

07/25/2022

Regulated Materials Review Remarks:

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
390998119021	3	10

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. 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 press release, website posting and notifications to property owners and stakeholders (public officials and emergency/public service providers). A news article about the project was published by WFMJ. Comments were requested by all the public involvement activities conducted for the project. No public comments were received as a result of the public involvement activities performed for the project. See the public involvement documentation for the project in the Project File/Public Involvement/Project Information subsection.

Environmental Commitments



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Environmental Commitments

Yes



Environmental Commitments

C2

- 1) The project designer shall incorporate the following note into the plans: ENDANGERED SPECIES HABITAT - INDIANA BAT/NORTHERN LONG EARED BAT/TRI-COLORED BAT:
THE PROJECT SITE IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, NORTHERN LONG-EARED BAT AND TRI-COLORED 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 FEDERALLY AND STATE LISTED BAT SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSE 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) Mahoning County Engineer will obtain all appropriate waterway permits prior to any work within the jurisdictional boundary of any waterway, including wetlands, and all applicable waterway permits will be included in the plans and adhered to during construction.
- 3) Hire a State permitted malacologist to complete a mussel salvage and relocation in accordance with the most recent version of the Ohio Mussel Survey Protocol prior to the initiation of construction activities below the ordinary high water mark Yellow Creek. 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. Submit the results of the mussel survey, salvage work, or both to the ODOT District Environmental Coordinator [Edward Deley, 330-786-4930]. Obtain approval from the Department prior to performing work below ordinary high water mark Stream Yellow Creek.
- 4) The project designer shall incorporate the following note into the plans: ENDANGERED SPECIES -EASTERN MASSASAUGA RATTLESNAKE -
THE AFOREMENTIONED PROJECT SITE 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.
- 5) Mahoning County Engineer will obtain the floodplain permit or documentation of exemption prior to plan file.
- 6) The project designer shall incorporate the following note into the plans: WETLANDS AVOIDANCE:
NO EXCAVATION, GRADING, OR FILLING OPERATIONS SHALL BE PERFORMED IN THE WETLANDS DELINEATED BEYOND THE PROJECT CONSTRUCTION LIMITS AND DEPICTED IN THE PROJECT PLANS AND/OR THE ECOLOGICAL RESOURCES MAPPING AVAILABLE FOR VIEWING AT THE ODOT DISTRICT 4 OFFICE LOCATED AT 2088 SOUTH ARLINGTON ROAD, AKRON, OH. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR STORE MECHANICAL EQUIPMENT (LIFT, BACKHOE, EARTH MOVING EQUIPMENT, ETC.) AND/OR MATERIALS IN ANY WETLANDS, ETC. ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS SECTION 107.10 (PROTECTION AND RESTORATION OF PROPERTY) PROHIBIT THE CONTRACTOR FROM CREATING STAGING AREAS NEAR STREAMS AND/OR WETLANDS.



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7) The project designer shall incorporate the following note into the plans:
STREAM AVOIDANCE: NO FILL MATERIAL (INCLUDING ROCK, COFFERDAMS, ETC.) SHALL BE PLACED BELOW THE ORDINARY HIGH-WATER MARK OF STREAM 2 DEPICTED IN THE PROJECT PLANS AND/OR THE ECOLOGICAL RESOURCES MAPPING AVAILABLE FOR VIEWING AT THE ODOT DISTRICT 4 OFFICE LOCATED AT 2088 SOUTH ARLINGTON ROAD, AKRON, OH. UNDER NO CIRCUMSTANCES SHALL ANY MECHANICAL EQUIPMENT (LIFT, SCAFFOLDING, BACKHOE, EARTH MOVING EQUIPMENT, ETC.) AND/OR MATERIALS ENTER STREAM 2. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT ALL DEMOLITION DEBRIS, CONSTRUCTION MATERIALS, WASTE MATERIALS, WATER CHEMICALS OR OTHER SUBSTANCES USED TO CONSTRUCT THE PROJECT FROM ENTERING STREAM 2.



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Preparers and Approvals

Form Preparer: Susan Daniels
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Sean Carpenter
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Greg Bowman
Libby Rushley

Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Edward Deley (PROGRAM ADMIN 3)	4/25/2024



Appendix

General

Aerial Map.pdf

County Map.pdf

Final Right of Way Plans.pdf

USGS Quadrangle Topographical Map.pdf

Air

District Determination - No Air Analysis Required.pdf

Cultural Resources

Minimal Potential to Cause Effect - Appendix B

Records Check.pdf

Ecological

ODNR Scenic River MOA Conditions

Project Related Decision - Ecological.pdf

USFWS Comments - signed Consult Form MAH-78-0.68.pdf

USFWS/ODNR Ecological MOA Conditions

Other Resources

Census Bureau Urbanized Area Map.pdf

Water Source Protection Area Map.pdf

Well Log Data.pdf

Section 4(f)

Poland Village Park Map.pdf

Environmental Justice

Census Mapping.pdf

Public Involvement

Mahoning County Engineer Website Posting.pdf

News Article - WFMJ.pdf

Press Release.pdf

Property Owner - Stakeholder Mailing List.pdf

Property Owner Notification Letter.pdf



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Property Owner- Stakeholder Notification Letter .pdf

Public Notification Mailing List.pdf

Permits

Coordination with Local Floodplain Administrator.pdf

District Determination - Floodplain Coordination Required.pdf

FEMA FIRM.pdf