



OHIO DEPARTMENT OF TRANSPORTATION

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

Environmental Document

for

MAH/POR Culverts FY2024 PID 107395

Environmental Document Level: C1

Approved: 12/13/2023

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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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C1

PID:	107395
Project Sponsor:	DISTRICT 4-PLANNING
ODOT District:	4
Funding Source:	Non-Federal
Does this project require a Federal permit or approval?	No

Project Description:

The Ohio Department of Transportation (ODOT) proposes to replace four (4) culverts along various U. S. and State Routes and the regrading of 200 linear feet of roadway embankment along the north side of U.S. Route 224 in Mahoning and Portage Counties. Proposed structure location information and work are summarized below:

1. MAH-224-3.97/Culvert File Number (CFN) 1861953 Replace the existing 48-foot long 30-inch reinforced concrete pipe and associated inlet catch basin with a new 49-foot long 36-inch Type A conduit with half-height headwalls, riprap at the inlet and rock channel protection (RCP) Type B at the outlet.
2. MAH-224-4.20/CFN 1861954 Replace the existing 51-foot long 30-inch reinforced concrete pipe with a new 65-foot long 36-inch Type A conduit with half-height headwalls, riprap at the inlet and RCP Type B at the outlet.
3. POR-44-17.02/CFN 1847102 Replace the existing 45-foot long 60-inch by 30-inch 4-sided concrete box culvert with a new 58-foot long 38-inch by 60-inch Type A conduit with half-height headwalls and RCP Type B at the outlet.
4. POR-303-9.31/CFN 1800885 Replace the existing 26-foot long 60-inch by 30-inch 4-sided concrete box culvert with a new 90-foot long 48-inch by 76-inch Type A conduit with half-height headwalls, riprap at the inlet and RCP Type A at the outlet.

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 project construction, a minimum of one 10-foot lane of traffic in each direction shall be maintained at all times on all roadways except when the following maintenance of traffic (MOT) measures will be implemented:

- MAH-224-3.97 & MAH-224-4.20 - U.S. Route 224 in Berlin Township between State Route (SR) 534 and Weaver Road will be closed to traffic for a period not to exceed 15 consecutive calendar days to replace these two (2) culverts and reconstruct the roadway embankment along the north side of U.S. Route 224. The official detour route for this closure will utilize SR 534, SR 14, SR 165 and SR 45. The closure at this location will be conducted strictly during the summer months when school is not in session.

- POR-44-17.02 - SR 44 in Shalersville Township between Lake Rockwell Road and Webb Road will be closed to traffic for a period not to exceed 7 consecutive calendar days to replace a single culvert. The official detour route for this closure will utilize SR 14, SR 88 and SR 303.

- POR-303-9.31 - SR 303 in Shalersville Township between SR 44 and Peck Road will be closed to traffic for a period not to exceed 14 consecutive calendar days to replace a single culvert. The official detour route for this closure will utilize SR 44, SR 14 and SR 88. This closure will not occur simultaneously with the SR 44 closure.

All construction, lane restriction and roadway closure/detour information will be posted along the aforementioned routes and intersecting side roads 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 side streets within and adjacent to the project construction limits for the duration of project construction. Substantial traffic disruptions are not expected to construct the project. The project will acquire new permanent channel easement, standard highway easement and/or temporary right-of-way at the following locations:

- MAH-224-3.97 0.008 acre of new permanent right-of-way and 0.005 acre of temporary right-of-way from two (2) property owners.



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- MAH-224-4.20 - 0.015 acre of new permanent right-of-way and 0.002 acre of temporary right-of-way from two (2) property owners.
- POR-44-17.02- 0.069 acre of new permanent right-of-way and 0.051 acre of temporary right-of-way from two (2) property owners.
- POR-303-9.31- 0.13 acre of new permanent right-of-way and 0.007 acre of temporary right-of-way from four (4) property owners.

A total of 0.222 acre of new permanent channel easement and standard highway easement right-of-way and 0.065 acre of temporary right-of-way will be required from a total of ten (10) property owners at four locations. See the right-of-way plans for the project in the Project File/General/Project Information subsection as *Final Right-of-Way Plans.pdf*.

The project has no Federal funding (100% State funded project) and does not involve a Federal action.

Minor relocations of existing utilities within the MAH-224-3.97/4.20 and POR-303-9.31 project study areas will be necessary to construct the project. These minor utility relocations shall be coordinated with the service providers in accordance with the project plans and will occur within the existing/proposed new 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.

The project will replace four modern concrete culverts in Mahoning and Portage Counties, Ohio. The replacement structures will be slightly longer, and rock channel protection will be added along the stream channel to arrest erosion. Construction will focus on the existing right-of-way. However, minor strip right-of-way will be needed from the ditch lines and stream channels which have been totally disturbed by highway construction, stream channelization, and ditch cleanouts.

Based on aerial photograph, no buildings will be removed by the project and no relocations will be required. The literature search also determined there are no inventoried buildings (OHI), no identified archaeological sites (OAI), and no listed or eligible historic properties found at or near the three construction sites. Minor maintenance projects impacting culverts composed of modern materials, like steel, concrete, and plastic are exempt from further cultural resource consideration by the August 29, 2012, State Funded Project Letter Agreement (No. 17075), if the project is not within the boundaries of any historic property or N. R. district. Therefore, ODOT-OES has determined this project will not impact any property listed on or eligible for the National Register of Historic Places or significant resources. Furthermore, the project is exempt from further consultation with the Ohio SHPO/OHC under ORC 149.53 and stipulations in Appendix B of the revised State Funded Project Letter Agreement (Agreement No. 17075), between Ohio's SHPO and ODOT, executed August 29, 2012. See the cultural resources documentation for the project in the Project File/Cultural Resources/Project Information subsection and the Cultural Resources Tab.

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.

The project proposes to impact a total of 715 linear feet of stream channel (4 streams) at all culvert locations and eliminate a total of 0.035-acre of jurisdictional wetlands at two (2) of the locations. The proposed stream and wetlands impacts are associated with the proposed culvert replacements and the regrading of the roadway embankment along the north side of USR 224. See the stream and wetlands impact information for the project in the Permit Determination Request in the Project File/Permits/Waterways subsection and the Ecological Tab.

The project also proposes to remove a total of 0.04-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*) at two (2) locations. See the threatened and endangered species information for the project in the Level 1 Ecological Survey Reports and agency coordination documentation in the Project File/Ecological/Reports and Coordination subsections and the Ecological Tab.

ODOT District 4 Environmental Section personnel reviewed the FEMA FIRM for the project study areas and determined the project is not located within a special flood hazard area. See the floodplains documentation for the project in the Project File/Permits/Floodplains subsection.

The project will not impact any other environmentally sensitive resources within the project study areas.

See continuation of the project description in the Project File/General/Project Information subsection as *Project Description Continued.pdf*.

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

Yes



Ellis STIP Details

Phase	Current STIP Reference
ENV	107395: 24-27 STIP
RW	107395: 24-27 STIP
CO	107395: 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

Cultural Resources Coordination: ORC 149.53 Appendix B

Cultural Resources Coordination Date: 10/25/2023

Since no Tribe was interested in this project based on their customized preferences, no further Tribal consultation was conducted.

Supporting documentation has been uploaded to Project File: Yes

Select the appropriate project type (more than one can be selected):

(31) Activities that do not utilize federal monies or require federal actions.

Environmental Commitments: Yes



Environmental Commitments

C1

- 1) The project designer shall incorporate the following note into the plan: ENDANGERED SPECIES HABITAT - INDIANA BAT/NORTHERN LONG-EARED BAT/TRI-COLORED BAT: POR-303-9.31 & MAH-224-3.97/4.20: THE AFOREMENTIONED PROJECT SITES ARE 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 AT THESE LOCATIONS 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) The project designer shall incorporate the following note into the plan: WETLANDS AVOIDANCE - MAH-224-3.97/4.20: NO EXCAVATION, GRADING, OR FILLING OPERATIONS SHALL BE PERFORMED IN THE WETLAND B 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.
- 3) The project designer shall incorporate the following note into the plan: WATERWAY PERMIT COMPLIANCE: THE OHIO DEPARTMENT OF TRANSPORTATION WILL OBTAIN ALL NECESSARY WATERWAY PERMITS PRIOR TO PROJECT CONSTRUCTION. THE CONTRACTOR IS NOT AUTHORIZED TO PLACE ANY FILL OR WORK WITHIN ANY WATERWAY BELOW THE ORDINARY HIGH WATER MARK ELEVATION DURING CONSTRUCTION UNTIL THE PERMIT(S) ARE OBTAINED FOR THE PROJECT.



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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)	12/13/2023



Appendix

General

Project Description Continued.pdf

USGS Quadrangle Topographical Map.pdf

ESA

OES Recommendations - Screening.pdf

Regulated Materials Review Form.pdf

Cultural Resources

ORC 149.53 Appendix B

Ecological

ODNR Scenic River MOA Conditions

USFWS/ODNR Ecological MOA Conditions

Wetland Finding.pdf

Public Involvement

District Website Posting.pdf

Emergency and Public Services Notification List.pdf

Emergency and Public Services Notification.pdf

Press Release.pdf

Property Owner Notification Letter.pdf

Property Owner Notification Mailing List.pdf

Permits

FEMA FIRM.pdf