



OHIO DEPARTMENT OF TRANSPORTATION

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

Environmental Document

for

D04 Culverts FY2023 (East) PID 113703

Environmental Document Level: C2

Approved: 2/16/2023

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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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PID: 113703
Project Sponsor: DISTRICT 4-PLANNING
ODOT District: 4
Funding Source: Federal
Private Funding: No

Project Description:

The Ohio Department of Transportation (ODOT) proposes to replace seven (7) culverts along various U. S. and State Routes in Ashtabula, Mahoning and Trumbull Counties. Proposed structure location information and work are summarized below:

1. ATB-84-18.29/Culvert File Number (CFN) 1866524 - Replace the existing 150-foot long 48-inch corrugated metal pipe with a new 114-foot long 48-inch Type A conduit, with half-height headwalls and rock channel protection (RCP) Type B at the outlet.
2. ATB-84-18.67/CFN 1866526 - Replace the existing 110-foot long 32-inch corrugated metal pipe with a new 93-foot long 36-inch Type A conduit with half-height headwalls and RCP Type B at the outlet.
3. TRU-45-24.59/CFN 1821012 - Replace the existing 50-foot long 5-foot by 5-foot slab top box culvert and 60-inch circular plastic extensions with a new 56-foot long 72-inch Type A conduit with half-height headwalls and RCP Type B at the outlet.
4. TRU-534-14.71/CFN 1873783 - Replace the existing 32-foot long 15-inch vitrified clay pipe with a new 38-foot long 18-inch Type A conduit with half-height headwalls and RCP Type C at the outlet.
5. MAH-224-21.87/CFN 1860739 - Replace the existing 50-foot long 8-foot by 5-foot slab top box culvert with a new 60-foot long 8-foot by 5-foot reinforced concrete box culvert with full-height headwalls and RCP Type B at the outlet.
6. MAH-14-8.84/CFN 1978617 - Replace the existing 116-foot long 18-inch corrugated metal pipe with a new 118-foot long 21-inch Type A conduit with half-height headwalls and RCP Type C at the outlet.
7. MAH-170-0.11/CFN 1978934 - Replace the existing 55-foot long 18-inch reinforced concrete pipe and associated inlet catch basin with a new 50-foot long 18-inch Type B conduit with new catch basin inlet, half-height concrete outlet headwall and RCP Type C at the outlet.

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:

- ATB-84-18.29 & ATB-84-18.67 - State Route 84 in Kingsville Township between Donna Drive and Dibble Road and between Green Road and S. Wright Street will be closed to traffic for a period not to exceed 14 consecutive calendar days. The official detour route for these separate closures will utilize State Route 193, U.S. Route 20 and State Route 11, however, these closures will not occur simultaneously.
- TRU-45-24.59 - State Route 45 in Bloomfield Township between Haines Road and State Route 87 will be closed to traffic for a period not to exceed 14 consecutive calendar days. The official detour route for this closure will utilize State Route 87, State Route 534 and U.S. Route 322.
- TRU-534-14.71 - State Route 534 in Southington Township between Doty Road and Painesville Warren State Road will be closed to traffic for a period not to exceed 14 consecutive calendar days. The official detour route for this closure will utilize U.S. Route 422 and State Route 88.
- MAH-224-21.87 - U.S. Route 224 in Poland Township between Clingan Road and Poland Way will be closed to traffic for a period not to exceed 14 consecutive calendar days. The official detour route for this closure will utilize State Route 616, U.S. Route 422 and Interstate Route 376 in Pennsylvania.
- MAH-14-8.84 - State Route 14 in Green Township between Egypt Road and Beaver Creek Road will be closed to traffic for a period not to exceed 14 consecutive calendar days. The official detour route for this closure will utilize State Route 46, State Route 165 and U.S. Route 62.



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- MAH-170-0.11 - State Route 170 in Springfield Township approximately 0.10-mile north of the Columbiana County Line will be closed to traffic for a period not to exceed 14 consecutive calendar days. The official detour route for this closure will utilize State Route 617 and State Route 165.

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 the project construction limits for the duration of project construction. Substantial traffic disruptions are not expected to construct the project.

All proposed construction activities will be conducted within the existing roadway rights-of-way and existing structure easement areas at the following locations: ATB-84-18.67, TRU-534-14.71 and MAH-14-8.84.

The project will acquire new permanent standard highway easement and/or temporary right-of-way at the following locations:

- ATB-84-18.29 - 0.100 acre of new permanent right-of-way from three parcels
- TRU-45-24.59 - 0.055 acre of new permanent right-of-way from two parcels
- MAH-224-21.87 - 0.023 acre of temporary right-of-way from two parcels
- MAH-170-0.11 - 0.029 acre of new permanent right-of-way from one parcel and 0.004 acre of temporary right-of-way from one additional parcel

A total of 0.184 acre of new permanent standard highway easement right-of-way and 0.027 acre of temporary right-of-way will be required from a total of nine (9) 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*.

Existing utilities within the project study areas will not be impacted/relocated to construct the project.

The undertaking is limited to the replacement of seven modern culverts scattered in Ashtabula, Mahoning, and Trumbull Counties. Work efforts will focus on the existing operational right-of-way. However, minor right-of-way from ravine areas and the course of channelized streams will be needed. No buildings will be involved in construction and no relocations will be required.

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 modern structures include three corrugated metal pipes (ATB-84-18.67 and MAH-14-8.84) and the third with a plastic pipe extension (ATB-84-18.29), a concrete pipe culvert (MAH-170-0.11) a vitrified clay pipe (TRU-534-14.71), a flat top concrete box culvert MAH-224-21.87) and a flat top concrete box culvert with a plastic pipe extension (TRU-45-24.59). All are of late 20th century construction. Culverts composed of modern materials like steel, concrete, and plastic are exempt from further cultural resource consideration by the 11/8/17 Cultural Resource PA (Agreement 19319), since the seven locations are not within the boundaries of any historic property or National Register District.

In accordance with Stipulation V(C)(1) and Appendix B of the Section 106 Programmatic Agreement executed on November 8, 2017 (Agreement No. 19319), amended on July 11, 2019, ODOT Office of Environmental Services (OES) determined the 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. 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 493 linear feet of stream channel (7 streams) at the seven (7) locations and eliminate a total of 0.0111-acre of jurisdictional wetlands at two (2) locations. All proposed stream and wetlands impacts are associated with the proposed culvert replacements. 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 0.11-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 four (4) 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 and determined the outlet of the proposed MAH-14-8.84 culvert encroaches upon a special flood hazard area (SFHA). The project designer shall design the project to comply with all applicable Local, State, and Federal floodplain protection standards, and, if required, obtain appropriate floodplain permitting prior to the start of project construction. See the floodplains documentation for the project in the Project File/Permits/Floodplains subsection.

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



STIP Reference #:

113703: 21-24 STIP/SLI Group
Project. Fiscal constraint is at SLI
Group level.

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 (e) 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.)**

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 right-of-way
2. b. Residential or non-residential displacements
3. c. A Coast Guard, Individual Section 404 and/or a Section 10 permit
4. d. A Section 106 finding of *Adverse Effect*
5. e. A Section 4(f) Programmatic or Individual Evaluation
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. If an EJ Analysis Report is required, the project must be processed as a D-level CE or higher level document

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.

Waterways:

Present; No Coast Guard, Individual
404, and/or Section 10 Permit
required

Waterways Permit Type:

Permit Determination and/or Permit
Application Approval Pending



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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	01/11/2023
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:	
Project to remove a total 0.11 acre of habitat for federal proposed endangered Tricolored Bat	
100-Year Floodplain:	Encroachment Within the SFHA is a Functionally Dependent Use
EO 11988/NFIP Coordination and Documentation Completed:	Yes
NFIP Local Floodplain Coordinator Notification Date:	01/27/2023
Section 4(f):	Not present
Section 6(f):	Not present
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	10/28/2022
Since no Tribe was interested in this project based on their customized preferences, no further Tribal consultation was conducted.	
Projects that meet C2 criteria are not anticipated to have impacts to the following environmental resources. If resources are present, documentation is only required if there is a potential for impacts.	
Air Quality:	Studies Not Required
Air Quality - Coordination with OES:	No
Noise:	Studies Not Required



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Noise Coordination - OES Approval Date:

Hazardous Materials - ESA Screening Conducted

Yes

Hazardous Materials - OES Approval Date:

01/24/2023

Phase I ESA Warranted Based on Coordination with OES:

No Further Studies Warranted

Farmland:

Non-Urbanized Area; No Impacts in Accordance With the Farmland MOU, 7 CFR 658, and ORC 929.05

Scenic Rivers

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

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

Underserved Populations

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

Identified Underserved Populations

Census Block Group #	% Minority	% Low Income	% Older Adults	% Limited English Proficiency (LEP)
390070003001	5	31	22	0
390070002002	7	36	33	0
391559304001	7	44	18	1
391559306001	1	33	15	0
390998110013	8	13	30	0
390998110021	2	10	13	0
390998134003	8	33	13	0
390998136003	0	34	11	0

Underserved Populations Remarks

The proposed project will have no disproportionately high and adverse effects to minority or low-income populations. No concerns related to impacts on Environmental Justice populations 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, no further analysis is required. See Environmental Justice documentation for the project in the Project File/Underserved Populations/Project Information subsection.

Public Involvement:

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

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-84-18.67	Wetland C	Adjacent	Category 1	0.25	0.012
	Wetland D	Adjacent	Category 1	0.01	0.001
ATB-SR 84-18.29	Wetland B	Adjacent	Category 1	0.4	0.01
TRU-SR 534-14.71	Wetland A	Adjacent	Modified Category 2	10	0

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

Total impact to all wetlands (ac.): 0.023

Total acres of non-isolated wetlands impacted: 0.023

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.

It Would Result in Serious Impacts to the Traveling Public and the General Welfare of the Economy in the Area.

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

They Will Result in Substantial Adverse Community Impacts to Adjacent Homes, Businesses, or Other Improved Properties.

They Will Substantially Increase Project Costs.

They Will Result in Unique Engineering, Traffic, Maintenance, or Safety Problems.



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They Will Result in Substantial Social, Economic, or Environmental Impacts.

They Will Not Meet the Identified Needs of the Project.

Include justification supporting the decisions noted above:

All practicable measures to minimize the wetland impacts inside the existing roadway rights-of-way have been considered and incorporated into the project design. Total avoidance of the wetlands during project construction is not practicable because of the location of the wetlands adjacent and/or abutting the existing structures, streams and/or roadway embankment and because of the construction activities required at these locations to eliminate existing deteriorated and/or deficient structural conditions. To avoid the wetlands with the use of retaining walls and/or other structures would substantively increase project cost and maintenance responsibilities. Shifting the alignment of the roadways to avoid impacts to the wetlands would result in further wetland impacts and/or new impacts to ecological resources (wetlands, streams, etc.) and/or private properties/businesses, thereby substantively increasing project cost. The no-build alternative is not practicable because it does not satisfy the need to preserve the integrity of the infrastructure for continuous use by the traveling public while expending minimal maintenance costs. Therefore, the no-build alternative was eliminated from consideration. The proposed improvement will not result in substantial impacts to existing wetlands. Best management practices will be employed to minimize the impact to the remaining wetlands within the project study areas.

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 ecological reports and agency coordination provided in the project File/Ecological/Reports and Coordination subsections.



Environmental Commitments

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- 1) The project designer shall incorporate the following note into the plans: IN-STREAM WORK RESTRICTIONS - MAH-224-21.87: NO IN-WATER WORK (EXCAVATION, FILLING, ETC.) SHALL OCCUR IN HINES RUN AT THE AFOREMENTIONED LOCATION FROM APRIL 15 THROUGH JUNE 30 TO MINIMIZE IMPACTS TO INDIGENOUS AQUATIC SPECIES AND THEIR HABITAT.
- 2) The project is located within a FEMA flood zone at the MAH-14-8.84 culvert structure location. The project designer shall design the project to comply with all applicable Local, State, and Federal floodplain protection standards, and, if required, obtain appropriate floodplain permitting prior to the start of project construction.
- 3) The project designer shall incorporate the following note into the plans: ENDANGERED SPECIES - EASTERN MASSASAUGA RATTLESNAKE - TRU-534-14.71
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.
- 4) Per request, Mark Covell (mark.covell@polandtownship.gov), Poland Township Road Department Supervisor and Jeffery Smith (jeffrey.smith@mahoningcountyoh.gov), Mahoning County Engineer's Office shall be invited to the project Pre-Construction Meeting.
- 5) The project designer shall incorporate the following note into the plans:
ENDANGERED SPECIES HABITAT - INDIANA BAT/NORTHERN LONG-EARED BAT/TRI-COLORED BAT:
ATB-84-18.29 MAH-224-21.87, MAH-14-8.84 & MAH-170-0.11:
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.
- 6) The project designer shall incorporate the following note into the plans: TREE CUTTING/REMOVAL PROHIBITED - ATB-84-18.67, TRU-45-24.59 & TRU-534-14.71: THE PROJECT SITES ARE LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED INDIANA BAT, NORTHERN LONG-EARED BAT AND TRI-COLORED BAT. TREE TRIMMING IS PERMITTED AT THESE LOCATIONS AS DIRECTED BY THE PROJECT ENGINEER, HOWEVER, NO TREES SHALL BE REMOVED AT THIS LOCATION. 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 A MINIMUM HEIGHT OF 13 FEET.



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7) The project designer shall incorporate the following note into the plans: WETLANDS AVOIDANCE - TRU-534-14.71: 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.

8) The project designer shall incorporate the following note into the plans:

STREAM AVOIDANCE - MAH-14-8.84:

UNDER NO CIRCUMSTANCES SHALL ANY MECHANICAL EQUIPMENT (LIFT, SCAFFOLDING, BACKHOE, EARTH MOVING EQUIPMENT, ETC.) AND/OR MATERIALS ENTER MIDDLE FORK LITTLE BEAVER CREEK. NO FILL MATERIAL (INCLUDING ROCK, COFFERDAMS, ETC.) SHALL BE PLACED BELOW THE IDENTIFIED ORDINARY HIGH-WATER MARK (OHWM) OF MIDDLE FORK LITTLE BEAVER CREEK 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. OHWM IS THE ELEVATION AT WHICH THE VEGETATION ON THE STREAM BED ENDS DUE TO THE FLOW OF THE STREAM. 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 MIDDLE FORK LITTLE BEAVER CREEK.



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Preparers and Approvals

Form Preparer:

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Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Brian Peck (ENV SPEC 3)	2/16/2023



Appendix

General

Aerial Map.pdf

County Map.pdf

Project Description Continued.pdf

USGS Quadrangle Topographical Map.pdf

ESA

OES Recommendations - RMR Screening.pdf

Regulated Materials Review Form.pdf

Cultural Resources

Minimal Potential to Cause Effect - Appendix B

Ecological

ODNR Scenic River MOA Conditions

USFWS/ODNR Ecological MOA Conditions

Other Resources

Urbanized Area Map.pdf

Underserved Populations

Census Mapping.pdf

Public Involvement

District Website Posting.pdf

Emergency - Public Services - Amish Notification List.pdf

Emergency - Public Services - Amish Notifications.pdf

Press Release.pdf

Property Owner Notification Letter.pdf

Property Owner Notification Letters- Right-of-Entry.pdf

Property Owner Notification Mailing List.pdf

Public Comments Received.pdf

Response to Public Comments.pdf

Permits

District Determination - Floodplain Impacts.pdf



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FEMA FIRM.pdf

Floodplain - Public Explanation.pdf

Letter of Compliance - ODOT Form LD-52 - MAH-14-8.84.pdf