



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 04
2088 SOUTH ARLINGTON RD. • AKRON, OH 44306 • 614-995-7904

Environmental Document

for

MAH Lowellville Road Bridge PID 98840

Environmental Document Level: C2

Approved: 3/13/2018

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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 11, 2015, and executed by FHWA and ODOT.

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PID: 98840
Project Sponsor: MAHONING COUNTY ENGINEER
ODOT District: 4
Funding Source: Federal
Private Funding: No

Project Description:

The Mahoning County Engineer plans to improve Lowellville Road in the city of Struthers, Mahoning County, Ohio. The project proposes to remove the existing deteriorated/deficient 46-foot 2-span non-continuous steel beam bridge, Structure No. 15/Structure File Number (SFN) 5052254, spanning Hines Run and replace it with a 63' single-span pre-stressed concrete box beam bridge with a composite reinforced concrete deck on new semi-integral abutments supported by drilled shafts.

The project will be built using part-width construction and two-way traffic will be maintained throughout project construction utilizing a timed temporary traffic signal. Additionally, signage, drums and cones will be utilized to guide motorists through the work zone. No substantial traffic disruptions are anticipated for the project.

A total of 0.1502 acre of new permanent right-of-way/standard highway easement and a total of 0.1236 acre of temporary right-of-way will be acquired from one (1) property to construct the project. Right-of-way plans can be found in the Project File/General/Project Information subsection as Final Right-of-Way Plans.pdf.

Natural gas (Dominion), electric (Ohio Edison), fiber optic (CenturyLink), telecommunications (Windstream and AT&T), cable (Time Warner Cable [Spectrum]), water (Aqua Ohio) and sanitary sewer (city of Struthers) utilities are located within the project study area. It was determined the fiber optic, water and sanitary sewer are located beyond the footprint of the proposed project limits and will not be impacted by project construction. On the north side of the structure, the overhead electric, telecommunications and cable lines and the underground natural gas line will be in conflict with construction operations and will be relocated within the existing and/or proposed roadway rights-of-way. No utilities will be permanently removed to construct the project.

To facilitate the removal of the center pier 1' below ground level, a temporary work pad will be constructed within Hines Run. The maximum length of temporary impact to Hines Run below the Ordinary High Water Mark (OHWM) is anticipated to be 90 linear feet (0.05 ac.). Additionally, a total of 0.041 ac. of suitable wooded habitat (SWH) for the Federally-listed Indiana bat (*Myotis sodalists*) and Northern Long-Eared bat (*Myotis septentrionalis*) will be impacted to construct the project. The explanation of Federal and State listed species impacts can be found in the Level 1 Ecological Survey Report (ESR) in the Project File/Ecological/Reports subsection. The explanation of impacts to Hines Run can be found in the Permit Determination Request in the Project File/Permits/Waterways subsection as Permit Determination Request.pdf. The project will not impact any other environmentally sensitive resources within the project study area.



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The Mahoning County Engineer conducted various public involvement activities including a news release, County website posting, property owner notification and emergency/public service notifications. One (1) comment was received by the Mahoning County Engineer regarding the proposed maintenance of traffic. All public involvement documentation, including the public comment and response to comment, can be found in the Project File/Public Involvement/Project Information subsection.

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.

STIP Reference #

2018stipID0184FDRW/2018stipID0184FDCO and is fiscally constrained.

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 -
a. Acquisition of more than a minor amount of right-of-way b. Residential or non-residential displacements c. A Coast Guard, Individual Section 404 and/or a Section 10 permit d. A Section 106 finding of Adverse Effect e. A Section 4(f) Programmatic or Individual Evaluation f. A finding of May Affect, Likely to Adversely Affect to Threatened and Endangered Species g. Construction of temporary access, or the closure of existing road, bridge, or ramps, that would result in major traffic disruptions h. Changes in access control 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) 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 k. No minor public or agency controversy on environmental grounds (no opposition from any organized groups or agencies and no unresolved environmental coordination) 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

Isolated Wetland Permit

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

10/31/2017

Endangered Species - Critical Habitat Present/Impacted



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Indiana bat

Northern long-eared bat

Endangered Species - Other Critical Habitat Present/Impacted:	No
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:	09/28/2016
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 Date:	01/20/2017
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
Noise Coordination - OES Approval Date:	01/12/2018
Hazardous Materials - ESA Screening Conducted	Yes
Hazardous Materials - OES Approval Date:	11/09/2017
Phase I ESA Warranted Based on Coordination with OES:	Yes
Phase II ESA Warranted Based on Coordination with OES:	No Further Studies Warranted
Hazardous Materials - Coordination Results	No Further Studies Warranted
Hazardous Materials - OES Approval Date - Phase I:	03/09/2018
Farmland:	Urbanized Area; No Impacts in Accordance With the Farmland MOU and 7 CFR 658
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.



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Underserved Populations

Does Not Exceed UP Guidance
Criteria; No UP Analysis Report
Required and No UP Issues Raised
During Public Involvement

Public Involvement:

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

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: THE LOWELLVILLE ROAD BRIDGE STRUCTURE 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 AT THIS LOCATION 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 plans: MATERIALS REMOVED FROM DITCHES, STREAMS AND/OR WETLANDS: THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT ANY INCIDENTAL DISCHARGES ASSOCIATED WITH THE EXCAVATION AND HAULING OF MATERIAL FROM DITCHES, STREAMS AND/OR WETLANDS. THIS PERTAINS TO ANY EXCAVATION OPERATION SUCH AS, FOUNDATION PIER OR ABUTMENT EXCAVATION, CHANNEL CLEAN OUT, EXCAVATION FOR ROCK CHANNEL PROTECTION AND REMOVAL OF ANY TEMPORARY FILL ASSOCIATED WITH CONSTRUCTION OPERATIONS. ALL MATERIALS REMOVED FROM THE DITCHES, STREAMS AND/OR WETLANDS MUST BE IMMEDIATELY REMOVED TO AN UPLAND SITE AND STABILIZED (I.E., SEEDED) TO PREVENT REDISTRIBUTION INTO ANY WATERS OF THE UNITED STATES. IMMEDIATE REMOVAL IS DEFINED BY THE UNITED STATES ARMY CORPS OF ENGINEERS AS DEPOSITING THE REMOVED MATERIALS DIRECTLY INTO A TRUCK AND REMOVING THE MATERIAL FROM THE SITE; PLACEMENT OF REMOVED MATERIALS INTO A WETLAND OR ON THE BANKS OF A STREAM EVEN TEMPORARILY IS CONSIDERED A FILL AND REQUIRES A PERMIT ACTION. ANY AREAS DISTURBED BY EQUIPMENT ACTIVITIES MUST BE SEEDED WITH NATIVE SPECIES TO PREVENT EROSION OF SEDIMENTS INTO WATERS OF THE UNITED STATES.

3) The project designer shall incorporate the following note into the plans: PAINTING AND SEALING OPERATIONS: THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT EPOXY-URETHANE SEALER, PAINT, OR OTHER STRUCTURAL MATERIALS USED TO REPAIR, CLEAN, SEAL, OR TREAT ANY BRIDGE STRUCTURE FROM ENTERING STREAMS, WETLANDS OR OTHER WATERS OF THE UNITED STATES AND TAKE THE APPROPRIATE ACTIONS IN THE EVENT OF A RELEASE. THE CONTRACTOR SHALL LIMIT THE AMOUNT OF OPEN CONCRETE SEALER TO THE EXTENT PRACTICABLE TO PERFORM THE REQUIRED WORK. DISCARDED CONTAINERS SHALL BE REMOVED FROM THE VICINITY OF THESE STREAMS, ETC., AND UNDER NO CIRCUMSTANCES SHALL ANY SEALER BE STORED WITHIN THE 100-YEAR FLOOD PLAIN OF THESE STREAMS, ETC.

4) The project designer shall incorporate the following note into the plans: MECHANICAL EQUIPMENT OPERATION AT STREAM CHANNEL: THE MECHANICAL EQUIPMENT USED TO EXECUTE THE WORK AUTHORIZED HEREIN SHALL BE OPERATED IN SUCH A WAY AS TO MINIMIZE TURBIDITY THAT COULD DEGRADE WATER QUALITY AND ADVERSELY AFFECT AQUATIC PLANT AND ANIMAL LIFE.

5) The project designer shall incorporate the following note into the plans: CONSTRUCTION AND DEMOLITION DEBRIS: THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID AND/OR LIMIT CONSTRUCTION AND DEMOLITION DEBRIS FROM ENTERING DITCHES, WETLANDS AND/OR STREAM(S). ANY DEBRIS THAT DOES FALL INTO DITCHES, WETLANDS AND/OR STREAM(S) SHALL BE REMOVED AS SOON AS POSSIBLE WITHIN 72 HOURS.



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6) The project designer shall incorporate the following note into the plans: IN-STREAM WORK RESTRICTIONS: NO IN-WATER WORK SHALL OCCUR IN HINES RUN FROM APRIL 15 THROUGH JULY 1 TO MINIMIZE IMPACTS TO INDIGENOUS AQUATIC SPECIES AND THEIR HABITAT.



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Preparers and Approvals

Form Preparer:

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Supporting Form Preparer(s):

Jeffrey Cutler
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Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Edward Deley (PROGRAM ADMIN 3)	3/13/2018



Appendix

General

Final Right of Way Plans.pdf

USGS Quadrangle Topographical Map.pdf

ESA

OES Recommendations - RMR.pdf

OES Phase I Recommendations .pdf

Cultural Resources

Minimal Potential to Cause Effects - A or B.pdf

Ecological

USFWS Consultation - MAH-Lowellville Road Bridge.pdf

Coordination with ODNR and USFWS.pdf

Other Resources

Water Source Protection Area Map.pdf

Underserved Populations

Underserved Populations Documentation Form.pdf

Census Mapping.pdf

Public Involvement

Emergency and Public Services Notification List.pdf

Emergency and Public Services Notification.pdf

Public Comments Received.pdf

Response to Public Comments.pdf

Mahoning County Website Posting.pdf

Property Owner Notification Letter.pdf

Public Notification Mailing List.pdf

News Article-WFMJ.pdf

Press Release.pdf

Permits

Hydrologic and Hydraulic Calculations.pdf

Letter of Compliance - ODOT Form LD-51.pdf



FEMA FIRM.pdf

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