



OHIO DEPARTMENT OF TRANSPORTATION

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

Environmental Document

for

SUM/TRU Culverts FY2020 PID 106197

Environmental Document Level: C1

Approved: 2/18/2020

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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 June 6, 2018, and executed by FHWA and ODOT.

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C1

PID: 106197
Project Sponsor: DISTRICT 4-PLANNING
ODOT District: 4
Funding Source: Non-Federal
Does this project require a Federal permit or approval? Yes
Private Funding: No

Project Description:

The Ohio Department of Transportation (ODOT) plans to improve State Routes (SR) 87, 88, 193 and 305 in Bloomfield, Greene, Farmington, Champion and Fowler Townships, Trumbull County, and SR 91 in the city of Twinsburg, Summit County. The project proposes maintenance activities on one culvert, Structure No. TRU-193-6.06/Culvert File Number (CFN) 1874709, storm water drainage system reconstruction including the installation of a new culvert, Structure No. SUM-91-19.14/CFN 1981339 that was added to this project from the POR/SUM-Culverts FY2019; PID 101572; project and the replacement of five (5) other culverts, 1) Structure No. TRU-87-8.64/CFN 1824137, 2) Structure No. TRU-87-12.46/CFN 1844987, 3) Structure No. TRU-88-3.68/CFN 1846966, 4) Structure No. TRU-88-4.88/CFN 1847143 and 5) Structure No. TRU-305-20.16/CFN 1847136 along SR 87, 88 and 305. Specified below is the proposed work on these structures with the exception of the proposed storm water drainage system reconstruction including the installation of a new culvert, Structure No. SUM-91-19.14/CFN 1981339, at the SR 91/Interstate Route (IR) 480 interchange in Twinsburg that was previously coordinated/approved, except waterway permitting, Section 106 coordination and public involvement, as part of the POR/SUM-Culverts FY2019; PID 101572; project.

TRU-193-6.06/36" corrugated metal culvert with half-height headwalls that carries an unnamed tributary to Squaw Creek under SR 193: Apply a low strength mortar and structure spray liner (1"-2" thickness) to strengthen the integrity of the existing structure and install Type C rock channel protection on the inlet side.

TRU-87-8.64/36" corrugated metal culvert that connects wetlands on the north and south sides of SR 87: Replace the existing structure with a 42" Type A conduit and install Type B rock channel protection on the inlet and outlet sides.

TRU-87-12.46/48" corrugated metal culvert that connects wetlands on the north and south sides of SR 87: Replace the existing structure with a 48" Type A conduit and install Type B rock channel protection on the outlet side.

TRU-88-3.68/48" corrugated metal culvert that connects wetlands on the north and south sides of SR 88: Replace the existing structure with a 48" Type A conduit and install Type B rock channel protection on the outlet side.



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TRU-88-4.88/42" corrugated metal culvert that carries an unnamed tributary to the Grand River under SR 88 and connects wetlands on the north and south sides: Replace the existing structure with a 42" Type A conduit and install Type B rock channel protection on the outlet side and riprap on the inlet side.

TRU-305-20.16/8' x 6' concrete box culvert that carries an unnamed tributary to Yankee Run under SR 305: Replace the existing structure with an 8' x 6' Type A conduit and install Type B rock channel protection on the inlet and outlet sides.

Note, the culvert maintenance associated with Structure No. TRU-305-9.19/CFN 1847137 and discussed in various environmental studies/documentation and coordination in the Project File was removed from this project due to structural deficiencies discovered during the 2019 inspection. The TRU-305-9.19/CFN 1847137 culvert will be replaced as part of a future suitable project.

During project construction, the following maintenance of traffic (MOT) measures will be implemented:

TRU 193 traffic at the TRU-193-6.06 culvert location shall be maintained on the existing pavement at all times during construction.

SR 87 traffic at the TRU-87-8.64 and TRU-87-12.46 culvert locations will be closed/detoured for a period not to exceed 10 consecutive calendar days. The official detour route for these closures will utilize SRs 45, 88 and 46. These proposed closures will not occur simultaneously.

SR 88 traffic at the TRU-88-3.68 and TRU-88-4.88 culvert locations will be closed/detoured for a period not to exceed 10 consecutive calendar days. The official detour route for these closures will utilize SRs 534, 87 and 45. These closures will not occur simultaneously.

SR 305 at the TRU-305-20.16 culvert location will be closed/detoured for a period not to exceed 21 consecutive calendar days. The official detour route for this closure will utilize SRs 193, 82 and 7.

SR 91 at the SUM-91-19.14 culvert location will be completed in two (2) phases. Each phase will require SR 91 to be closed/detoured for a period not to exceed 1 weekend (Friday 8:00 pm to Monday 5:00 am). The official detour route for these closures will utilize SR 82, Chamberlin Road and Highland Road.

Access shall be maintained to all adjacent properties, businesses and intersecting side streets for the duration of the project. Substantial traffic disruptions are not expected with the project.

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

STIP Reference #

Statewide Line Item (SLI) Number 32
and is fiscally constrained.

Cultural Resources Coordination:

ORC 149.53 Appendix B

Cultural Resources Coordination Date:

12/23/2019



Approved: 2/18/2020

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):

(22) Projects, as defined in 23 U.S.C. 101 that would take place entirely within the existing operational right-of-way. Existing operational right-of-way refers to right-of-way that has been disturbed for an existing transportation facility or is maintained for a transportation purpose. This area includes the features associated with the physical footprint of the transportation facility (including the roadway, bridges, interchanges, culverts, drainage, fixed guideways, mitigation areas, etc.) and other areas maintained for transportation purposes such as clear zone, traffic control signage, landscaping, any rest areas with direct access to a controlled access highway, areas maintained for safety and security of a transportation facility, parking facilities with direct access to an existing transportation facility, transit power substations, transit venting structures, and transit maintenance facilities. Portions of the right-of-way that have not been disturbed or that are not maintained for transportation purposes are not in the existing operational right-of-way. ***Examples include: Tower lighting within the existing operational right-of-way; Guardrail installation and replacement (including median cable barriers) where roadway ditches and backslopes will not be relocated; Improvements to existing ODOT/County maintenance facilities; Construction of new ODOT/County maintenance facilities within existing operational right-of-way; Environmental mitigation activities within existing operational right-of-way; Work on pedestrian and vehicle transfer structures and associated utilities, buildings, and terminals within existing operational right-of-way; Construction of alternative energy facilities (fuel tank farms, wind turbines, etc.)***

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

Environmental Commitments:

Yes



Environmental Commitments

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- 1) The project designer shall incorporate the following note into the plans. SPOTTED TURTLE SURVEY - TRU-87-8.64 & TRU-88-3.68: ODOT WILL CONDUCT A SPOTTED TURTLE PRESENCE/ABSENCE SURVEY IN SPRING 2020 PRIOR TO PROJECT CONSTRUCTION.
- 2) The project designer shall incorporate the following note into the plans: MOSQUITO CREEK & GRAND RIVER WILDLIFE AREAS - TRU-87-8.64, TRU-87-12.46, TRU-88-3.68 & TRU-88-4.88: THE CONTRACTOR SHALL NOT STAGE OR STORE ANY CONSTRUCTION EQUIPMENT AND/OR MATERIALS WITHIN OR RESTRICT ACCESS TO THE MOSQUITO CREEK & GRAND RIVER WILDLIFE AREAS.
- 3) The project designer shall incorporate the following note into the plans. ENDANGERED SPECIES HABITAT-INDIANA BAT/NORTHERN LONG-EARED BAT - TRU-87-12.46, SUM-91-19.14 & TRU-88-4.88: THE AFOREMENTIONED PROJECT SITES ARE 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 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.
- 4) The project designer shall incorporate the following note into the plans: WATERWAY PERMIT COMPLIANCE: ODOT WILL OBTAIN ALL NECESSARY WATERWAY PERMITS PRIOR TO PROJECT CONSTRUCTION. THE CONTRACTOR IS NOT AUTHORIZED TO PLACE ANY FILL OR CONDUCT WORK WITHIN ANY WATERWAYS BELOW THE ORDINARY HIGH WATER MARK ELEVATION UNTIL THE PERMIT(S) ARE OBTAINED FOR THE PROJECT.
- 5) The project designer shall incorporate the following note into the plans: ENDANGERED SPECIES - EASTERN MASSASAUGA RATTLESNAKE TRU-87-8.64, TRU-87-12.46, TRU-88-3.68 & TRU-88-4.88: THE AFOREMENTIONED PROJECT SITES ARE 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 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.



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6) The project designer shall incorporate the following note into the plans: WETLANDS AVOIDANCE -TRU-193-6.06: NO EXCAVATION, GRADING OR FILLING OPERATIONS SHALL BE PERFORMED IN THE WETLANDS DELINEATED BEYOND THE PROJECT CONSTRUCTION LIMITS AT TRU-193-6.06 AND DEPICTED IN THE PROJECT PLANS. TO PROTECT AND DELINEATE THE BOUNDARIES OF THE EXISTING RESOURCES, A FILTER FABRIC FENCE AND TEMPORARY CONSTRUCTION FENCE PER SUPPLEMENTAL SPECIFICATION 832, SHALL BE INSTALLED AT THE PROPOSED CONSTRUCTION LIMITS, MAINTAINING A ONE-FOOT BUFFER BETWEEN THE FENCE AND THE WETLAND BOUNDARIES, WHEN PRACTICABLE, PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES, INCLUDING ANY NECESSARY CLEARING AND GRUBBING ACTIVITIES, AND BE MAINTAINED BY THE CONTRACTOR THROUGHOUT PROJECT CONSTRUCTION. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR STORE EQUIPMENT 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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Preparers and Approvals

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Matthew Chaney
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Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Edward Deley (PROGRAM ADMIN 3)	2/18/2020



Appendix

Ecological

Coordination with ODNR and USFWS.pdf

General

Final Right of Way Plans.pdf

Ecological

ODNR Comments - No Effect to EMR concurrence.pdf

ODNR Comments.pdf

OES Approval - No ODNR and USFWS Notification 2.pdf

OES Approval - No ODNR and USFWS Notification.pdf

Cultural Resources

ORC 149.53 Appendix B

General

Project Description Continued.pdf

Ecological

Project Related OES Decision - Plant Survey.pdf

USFWS Comments Consult Form TRU-87-12.46 PID 106197.pdf

USFWS Comments Consult Form TRU-87-8.64 PID 106197.pdf

USFWS Comments Consult Form TRU-88-3.67 PID 106197.pdf

USFWS Comments Consult Form TRU-88-4.88 PID 106197.pdf

General

USGS Quadrangle Topographical Map.pdf

Ecological

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 for right-of-way.pdf



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Property Owner Notification Letters for right-of-entry .pdf

Public Comments Received.pdf

Public Notification Mailing List.pdf

Response to Public Comments.pdf