



OHIO DEPARTMENT OF TRANSPORTATION

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

Environmental Document

for

TRU SR 0534 13.26 PID 94114

Environmental Document Level: C1

Approved: 1/30/2018

Prepared By: District 4

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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.

Table of Contents

| | |
|--------------------------------|---|
| C1..... | 3 |
| Environmental Commitments..... | 6 |
| Preparers and Approvals..... | 7 |
| Appendix..... | 8 |



C1

| | |
|-------------------------|---------------------|
| PID: | 94114 |
| Project Sponsor: | DISTRICT 4-PLANNING |
| ODOT District: | 4 |
| Funding Source: | Federal |
| Private Funding: | No |

Project Description:

The Ohio Department of Transportation (ODOT) plans to improve State Route (SR) 534 in Southington and Farmington Townships, Trumbull County, Ohio. The project proposes to resurface 5.90 miles of SR 534 from Straight Line Mile (SLM) 13.26 to SLM 19.16. Additional improvements include partial depth pavement repairs, the application of edge/center/stop lines and the installation of raised pavement markers, as needed, throughout the newly paved section of SR 534. Moreover, the project proposes minor maintenance on the following six (6) structures:

1. Structure No. TRU-534-15.00/Structure File Number (SFN) 7807457;
2. Structure No. TRU-534-16.43/SFN 7807481;
3. Structure No. TRU-534-17.61/SFN 7807546;
4. Structure No. TRU-534-18.17/SFN 7807570;
5. Structure No. TRU-534-18.83/SFN 7807600; and
6. Structure No. TRU-534-18.88/SFN 7807635.

Specified below are the proposed minor maintenance activities associated with each structure.

TRU-534-15.00 (Dead Branch Creek): The project proposes minor maintenance on the existing 132' continuous concrete slab bridge spanning Dead Branch Creek. Maintenance activities include patching all unsound areas of the bridge deck and approach slabs, sealing the concrete wearing surface and approach slabs with gravity fed resin, patching all unsound areas of the substructure including deck edges, sealing patched areas of the substructure with epoxy-urethane, clearing/grubbing of vegetation within 15' of the structure and installation of new structure identification signs.

TRU-534-16.43 (UT to Dead Branch Creek): The project proposes minor maintenance on the existing 14' concrete filled culvert conveying an unnamed tributary to Dead Branch Creek under SR 534. Maintenance activities include clearing/grubbing of vegetation within 15' of the structure and installation of new structure identification signs.

TRU-534-17.61 (UT to Dead Branch Creek): The project proposes minor maintenance on the existing 12' concrete frame simple span bridge spanning an unnamed tributary to Dead Branch Creek. Maintenance



activities include removing the existing asphalt concrete overlay and replacing it with a new asphalt concrete overlay with a waterproofing asphalt over the existing wearing surface, channel cleanout at the inlet and outlet, clearing/grubbing of vegetation within 15' of the structure and installation of new structure identification signs.

TRU-534-18.17 (UT to Dead Branch Creek): The project proposes minor maintenance on the existing 12' concrete frame simple span bridge spanning an unnamed tributary to Dead Branch Creek. Maintenance activities include clearing/grubbing of vegetation within 15' of the structure and installation of new structure identification signs.

TRU-534-18.83 (Over-Flow to the Grand River): The project proposes minor maintenance on the existing 22' concrete filled culvert conveying over-flow from the Grand River under SR 534. Maintenance activities include clearing/grubbing of vegetation within 15' of the structure and installation of new structure identification signs.

TRU-534-18.88 (Grand River): The project proposes minor maintenance on the existing 92' steel beam simple span bridge spanning the Grand River. Maintenance activities include sealing the concrete wearing surface and approach slabs with gravity fed resin, clearing/grubbing of vegetation within 15' of the structure and installation of new structure identification signs.

During construction, a minimum of one (1) 10-foot lane of traffic shall be maintained in each direction on the existing pavement or completed pavement during construction of the work. No substantial traffic disruptions are anticipated with the project.

Based on the project scope of work, its Path 1 Preliminary Development Process (PDP) Classification and the proposed maintenance of traffic measures, emergency/public services contact activities were not conducted for the project.

The project will be constructed within the existing roadway right-of-way.

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

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

Stage 3 Plans were utilized to evaluate potential environmental impacts by and obtain NEPA approval for the project. The Stage 3 Plans can be found in the Project File/General/Project Information subsection as Stage 3 Design.pdf.

STIP Reference #

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

Cultural Resources Coordination:

Minimal Potential to Cause Effect -
Appendix A

Cultural Resources Coordination Date:

01/11/2018

Supporting documentation has been uploaded to Project File:

No

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.)***

Environmental Commitments:

Yes



Environmental Commitments

C1

1) The project designer shall incorporate the following note into the plans: TREE CUTTING/REMOVAL PROHIBITED: THE STRUCTURES ARE LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. TREE TRIMMING IS PERMITTED AT THESE LOCATIONS AS DIRECTED BY THE PROJECT ENGINEER, HOWEVER, NO TREES SHALL BE REMOVED AT THESE LOCATIONS. 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: WETLANDS/STREAM AVOIDANCE: UNDER NO CIRCUMSTANCES SHALL ANY EQUIPMENT (LIFT, SCAFFOLDING, BACKHOE, EARTH MOVING EQUIPMENT, ETC.) AND/OR MATERIALS ENTER THE STREAMS, WETLANDS OR OTHER WATERS OF THE UNITED STATES ADJACENT TO OR BENEATH THE BRIDGES AT TRU-534-15.00, TRU-534-16.43, TRU-534-17.61, TRU-534-18.17, TRU-534-18.83 AND TRU-534-18.88. NO FILL MATERIAL (INCLUDING TEMPORARY FILLS) SHALL BE PLACED BELOW THE IDENTIFIED ORDINARY HIGH WATER MARK (OHWM) OF THESE WATERS. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT ALL CONSTRUCTION MATERIALS, WASTE MATERIALS, WATER CHEMICALS OR OTHER SUBSTANCES USED TO CONSTRUCT THE PROJECT FROM ENTERING THE STREAMS, WETLANDS OR OTHER WATERS OF THE UNITED STATES. SHOULD ANY MATERIALS AND/OR DEMOLITION DEBRIS FALL INTO THESE WATERS, ALL WORK SHALL BE STOPPED, AND ALL DEBRIS/MATERIAL, ETC., SHALL BE REMOVED IMMEDIATELY AND IN SUCH A WAY AS TO MINIMIZE TURBIDITY THAT COULD DEGRADE WATER QUALITY AND ADVERSELY AFFECT AQUATIC PLANT AND ANIMAL LIFE.

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 WITH THE 100-YEAR FLOOD PLAIN OF THESE STREAMS, ETC.



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Preparers and Approvals

Form Preparer

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Supporting Form Preparer(s):

Matthew Chaney
Sean Carpenter

Approvals & Electronic Signatures

| Approved & Electronically Signed By: | Approval Date: |
|---|-----------------------|
| Edward Deley (PROGRAM ADMIN 3) | 1/30/2018 |



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Appendix

General

USGS Quadrangle Topographical Map.pdf