



# OHIO DEPARTMENT OF TRANSPORTATION

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

## **Environmental Document**

for

## **TRU SR 0534 04.12 PID 93485**

**Environmental Document Level: C1**

**Approved: 7/3/2018**

**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.*

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## C1

<b>PID:</b>	93485
<b>Project Sponsor:</b>	DISTRICT 4-PLANNING
<b>ODOT District:</b>	4
<b>Funding Source:</b>	Federal
<b>Private Funding:</b>	No

### Project Description:

The Ohio Department of Transportation (ODOT) plans to improve State Route (SR) 534 in the city of Newton Falls, Trumbull County, Ohio. The project proposes to apply a fine graded polymer asphalt concrete overlay along 1.21 miles of SR 534 from Straight Line Mile (SLM) 4.02 to SLM 5.23. Additional improvements include partial-depth pavement repairs, the application of edge/center/stop/crosswalk lines, other pavement markings and manhole adjustments, as necessary, throughout the newly paved section of SR 534. Moreover, the project proposes the rehabilitation of one (1) structure, TRU-534-4.12/Structure File Number [SFN] 7807260, spanning the East Branch of the Mahoning River along SR 534. Specified below are the proposed rehabilitation items proposed for this structure.

TRU-534-4.12: The project proposes the rehabilitation of the existing deteriorated 169' continuous steel beam bridge with a reinforced composite concrete deck and substructure spanning the East Branch of the Mahoning River. Rehabilitation improvements include: removal and replacement of the concrete bridge deck, sidewalks, railings and approach slabs, modification of abutments to semi-integral design, replacement of the existing abutment bearings with elastomeric bearings, replacing portions of the wing walls, replacing Pier 1 bearings with rocker bearings, installation of new approach guardrail, upgrading bridge terminal assemblies, sealing all patched concrete surfaces, deck edges, abutments, wing walls, piers and pier caps with epoxy-urethane, clearing/grubbing of vegetation within 15' of the structure and installation of new structure identification signs.

During project construction, a minimum of one eleven-foot lane in each direction shall be maintained at all times along SR 534, except when necessary to close the SR 534 bridge to pedestrian and vehicular traffic for a maximum of sixty (60) consecutive days to replace the concrete deck of the bridge spanning the East Branch of the Mahoning River. The official detour route for this closure will utilize Interstate Route (IR) 76, SR 225 and SR 5.

Additionally, the Newton Falls/Arlington Boulevard Covered Bridge will be closed to vehicular traffic for the duration of the project, one hundred twenty (120) days, to construct a temporary natural gas line and maintain natural gas service to customers on both sides of the East Branch of the Mahoning River. Moreover, the SR 534 bridge rehabilitation will temporarily disrupt the use of the river for canoeing. For intervals during the construction period, it will be necessary to close the river to canoe traffic. The closures periods will be limited to the times when bridge demolition or active construction is occurring (approximately 2 weeks per closure) and are less than the time needed for construction of the project. The river shall be open to paddlers on weekends and holidays throughout project construction. Access shall be maintained to all adjacent properties, businesses and intersecting side streets for the duration of the project. No substantial traffic disruptions are anticipated to construct the project.

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

Natural gas (Dominion), electric (City of Newton Falls), telephone (CenturyLink, Charter, SuddenLink), water (Newton Falls) and sanitary sewer (Newton Falls) utilities are located within the project study area. The sanitary sewer is not in conflict with the project and will not be temporarily or permanently relocated. The telephone,



electric, water and natural gas lines are in conflict with the project. The telephone and water lines will not be temporarily or permanently relocated based on their location relative to the proposed work. The electric lines will be permanently relocated within the project study area. As previously indicated, Dominion East Ohio (DEO) proposes to maintain natural gas service by constructing a temporary natural gas line. The temporary gas line will be routed across the wooden bridge deck of the Newton Falls/Arlington Boulevard Covered Bridge and will connect to existing underground gas lines on both sides of the structure. The proposed line will consist of a 2" plastic gas line with a 4" protective steel casing on the wood bridge deck. Matting will be placed between the temporary line and the wooden bridge deck to protect the bridge deck from any damage. Once the SR 534 bridge rehabilitation is complete, a permanent line will be placed back on the bridge and the temporary gas line, matting, etc., will be removed from the Newton Falls/Arlington Boulevard Covered Bridge.

See additional project description information 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:** Minimal Potential to Cause Effect - Appendix B

**Cultural Resources Coordination Date:** 02/16/2018

**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.)*

**Environmental Commitments:** Yes



## Environmental Commitments

### C1

1) The Project Designer shall incorporate the following note into the plans: THE TRU-534-4.11 BRIDGE IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. TREE TRIMMING IS PERMITTED AT THIS LOCATION 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 WITH A MINIMUM HEIGHT OF 13 FEET.

2) The Project Designer shall incorporate the following note into the plans: UNDER NO CIRCUMSTANCES SHALL ANY EQUIPMENT (LIFT, SCAFFOLDING, BACKHOE, EARTH MOVING EQUIPMENT, ETC.) AND/OR MATERIALS ENTER THE EAST BRANCH OF THE MAHONING RIVER BENEATH THE BRIDGE AT TRU-534-4.11. NO FILL MATERIAL (INCLUDING TEMPORARY FILLS) SHALL BE PLACED BELOW THE IDENTIFIED ORDINARY HIGH WATER MARK (OHWM) OF THE EAST BRANCH OF THE MAHONING RIVER . 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 EAST BRANCH OF THE MAHONING RIVER . SHOULD ANY MATERIALS AND/OR DEMOLITION DEBRIS FALL INTO THE EAST BRANCH OF THE MAHONING RIVER , 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: 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 THE EAST BRANCH OF THE MAHONING RIVER 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 THE RIVER, ETC., AND UNDER NO CIRCUMSTANCES SHALL ANY SEALER BE STORED WITH THE 100-YEAR FLOOD PLAIN OF THE RIVER, ETC.

4) The Project Designer shall incorporate the following note into the plans: THE CONTRACTOR SHALL INSTALL APPROPRIATE SIGNS IN AREAS THAT WILL BE VISIBLE TO PADDLERS AT THE BRIDGE AND UPSTREAM OF THE PROJECT AT FOSTER METRO PARK AND AT A DOWNSTREAM LOCATION TO ALERT PADDLERS OF TEMPORARY RIVER CLOSURES A MINIMUM OF 14 DAYS PRIOR TO BRIDGE DEMOLITION AND POURING OF THE CONCRETE DECK.

5) The Project Designer shall incorporate the following note into the plans: AN EMERGENCY ACCESS/TAKEOUT POINT SHALL BE PROVIDED ON THE UPSTREAM SIDE OF THE BRIDGE WITHIN THE CONSTRUCTION LIMITS BY THE CONTRACTOR.

6) The Project Designer shall incorporate the following note into the plans: A WATER TRAIL PORTAGE SHALL BE ESTABLISHED FOR PERIODS WHEN THE WATER TRAIL IS CLOSED TO CONSTRUCTION ACTIVITIES.



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7) The Project Designer shall incorporate the following note into the plans: THE CONTRACTOR WILL BE REQUIRED TO CLOSELY COORDINATE THE CONSTRUCTION SCHEDULE WITH ODOT, ODNR, AND TRUMBULL COUNTY METRO PARKS. THE CONTRACTOR SHALL NOTIFY ODOT, ODNR AND TRUMBULL COUNTY METRO PARKS AT LEAST TWO WEEKS IN ADVANCE OF THE TEMPORARY RIVER CLOSURES TO POST NOTICE OF THE IMPENDING PROJECT ON THE ONLINE BOATING WEBPAGE AND ASSOCIATED MAPS. ODNR COORDINATION AND NOTIFICATION SHOULD BE THROUGH TOM ARBOUR AT 614-265-6575 OR [Thomas.arbour@dnr.state.oh.us](mailto:Thomas.arbour@dnr.state.oh.us).

8) The Project Designer shall incorporate the following note into the plans: IF ON-THE-WATER LAW ENFORCEMENT ASSISTANCE IS NEEDED DURING ANY PORTION OF THE DEMOLITION AND CONSTRUCTION, PLEASE CONTACT THE DIVISION OF PARKS AND WATERCRAFT LAW ENFORCEMENT SUPERVISER SCOTT STAUFER AT [Scott.Stauffer@dnr.state.oh.us](mailto:Scott.Stauffer@dnr.state.oh.us) OR 440-812-3208.

9) The Project Designer shall incorporate the following note into the plans: THE RIVER SHALL BE OPEN TO PADDLERS ON WEEKENDS AND HOLIDAYS THROUGHOUT PROJECT CONSTRUCTION.

10) The project Designer shall incorporate the following note into the plans: NEWTON FALLS/ARLINGTON BOULEVARD COVERED BRIDGE: NO CONTRIBUTING FEATURES OF THE NATIONAL REGISTER OF HISTORIC PLACES (NRHP) (#74001636)-LISTED NEWTON FALLS/ARLINGTON BOULEVARD COVERED BRIDGE SHALL BE ALTERED OR REMOVED BY THE INSTALLATION, OPERATION AND/OR REMOVAL OF THE PROPOSED TEMPORARY GAS LINE ACROSS ITS EXISTING WOODEN BRIDGE DECK TO MAINTAIN NATURAL GAS SERVICE TO CUSTOMERS ON BOTH SIDES OF THE EAST BRANCH OF THE MAHONING RIVER DURING PROJECT CONSTRUCTION.



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### **Preparers and Approvals**

**Form Preparer**

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**Supporting Form Preparer(s):**

Mark Andrasik  
Rinaldo Spano  
Sean Carpenter

### **Approvals & Electronic Signatures**

<b>Approved &amp; Electronically Signed By:</b>	<b>Approval Date:</b>
Edward Deley (PROGRAM ADMIN 3)	7/3/2018



## Appendix

### Section 4(f)

OES Cultural Resources 4(f) Determination.pdf

OES Recreational 4(f) Determination.pdf

### General

USGS Quadrangle Topographical Map.pdf

Project Description Continued.pdf

### ESA

District Determination - No ESA Studies Required.pdf

### Public Involvement

Press Release.pdf

District Website Posting.pdf

Emergency and Public Services Notification.pdf

Property Owner Notification Letter.pdf

News Article - WFMJ.pdf

Emergency and Public Services Notification List.pdf

Public Notification Mailing List.pdf