



# OHIO DEPARTMENT OF TRANSPORTATION

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

## **Environmental Document**

for

### **MAH SR 0046 10.85 PID 120083**

**Environmental Document Level: C2**

**Approved: 5/21/2025**

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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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### C2

#### Project Information

|                         |                     |
|-------------------------|---------------------|
| <b>PID:</b>             | 120083              |
| <b>Project Sponsor:</b> | DISTRICT 4-PLANNING |
| <b>ODOT District:</b>   | 4                   |
| <b>Funding Source:</b>  | Federal             |

#### C2 Section

#### Project Description:

The Ohio Department of Transportation (ODOT) proposes to construct a roundabout at the State Route (SR) 46/County Route (CR) 162/New Road intersection located in Austintown Township, Mahoning County. The northbound and southbound approaches to the proposed roundabout will be two lanes, each with a thru-left and a thru-right lane, while the eastbound and westbound approaches are a single lane. The project also proposes turning radius improvements at the SR 46/North Beacon Drive intersection to better accommodate turning movements of larger vehicles and the installation of a U-turn at the SR 46/Notre Dame/Willow Crest intersection by constructing a "loon" (area of additional pavement to facilitate left-turn or U-turn movements) in conjunction with a traffic signal replacement to provide a protected-permissive northbound left-turn phase for this new movement. Additional improvements proposed by the project include traffic sign installation and pavement markings applications. Mapping that depicts the project location on United States Geological Survey (USGS) 7.5-Minute Topographic Quadrangle Mapping is included in Project File/General/Project Information as *USGS Quadrangle Topographical Map.pdf*.

Construction of the proposed roundabout will be phased to minimize impacts to motorists. Separate closures of the east and west legs of New Road will be required. Northbound and southbound SR 46 will be maintained at all times with the exception of a seven-day northbound closure. During Phase 1 improvements, the west leg of New Road will be closed for approximately forty-five days. The detour will utilize SR 46, Kirk Road and South Turner Road. Access to the credit union from New Road will be maintained. During Phases 2 and 3 of construction, the east leg of New Road will be closed for approximately forty-five days. The detour will utilize SR 46, Kirk Road and South Raccoon Road. As part of Phase 3, northbound SR 46 traffic will be detoured for seven days. The closure of northbound SR 46 is necessary while completing curb and pavement work in the center and splitter islands that were not accessible during the previous phases. The seven-day SR 46 detour will direct northbound motorists east on Kirk Road and north on South Raccoon Road to Mahoning Avenue. Detours will occur during the summer to minimize disruption for school busses. Construction, lane restriction and roadway closure/detour information will be posted within the project construction limits, on all intersecting side roads and on the project webpage prior to the start of project construction. Access shall be maintained to all adjacent properties, businesses and intersecting side streets for the duration of the construction project. Substantial traffic disruptions are not expected during project construction. The project will require both temporary and new permanent right-of-way. Approximately 1.77 acres of new permanent warranty deed right-of-way will be acquired from seven (7) property owners and 0.409 acre of temporary right-of-way will be acquired from six (6) property owners. Total takes of private property and/or relocations are not proposed to construct the project. See the right-of-way plans for the project in the Project File/General/Project Information subsection as *Right-of-Way Plan Sheets.pdf*.

Subsurface Utility Location Services (SULS) investigation Levels A and B were performed for the project study area and all utilities present in proximity of the project construction limits have been identified. Based on the Stage 2 design, relocation of existing above ground utility poles and associated overhead electric lines will be necessary to construct the project. Moreover, possible conflicts have been identified for existing underground gas lines and water



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lines with proposed storm drainage conduits and associated catch basin structures. Anticipated relocations of existing utilities within the project study area will occur within the existing/proposed new roadway right-of-way. Other than an existing traffic signal at the intersection that will be removed to construct the project, no other utilities will be permanently removed. Coordination with utility companies potentially affected by proposed construction activities will continue during the project preliminary engineering and detailed design phases as construction plans are finalized for the project.

A Level 1 Ecological Survey Report was completed for the project. The project proposes to impact 73 linear feet of stream channel (S-2) and eliminate 0.051 acre of jurisdictional wetlands (W-1 & W-4). See the ecological documentation for the project in the Level 1 Ecological Survey Report in the Project File/Ecological/Reports subsection and the Ecological tab.

The project will impact approximately 1.022 acre of farmland in the SW quadrant, however, the proposed project meets the terms and conditions of the Memorandum of Understanding between the Natural Resource Conservation Service and the Ohio Department of Transportation for Projects Involving Farmlands (Agreement No. 19552), executed on March 15, 2016.

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

The environmental document and associated studies, as applicable, were approved using the Stage 1 Design plans and Right-of-Way Plan Sheets for the project. A copy of the Stage 1 Design plans and Right-of-Way Plan Sheets for the project are included in the Project File/General/Project Information subsection as *Stage 1 Design.pdf* and *Right of Way Plan Sheets.pdf*.

The estimated total project cost specified in Ellis is less than the total project cost specified in the ODOT State Fiscal Years 2024 - 2027 Statewide Transportation Improvement Program (STIP).

**The next phase of the proposed project is listed on the STIP:** Yes

**Ellis STIP Details**

| Phase | Current STIP Reference |
|-------|------------------------|
| ENV   | 120083: 24-27 STIP     |
| RW    | 120083: 24-27 STIP     |
| CO    | 120083: 24-27 STIP     |
| DD    |                        |

**The current cost estimate is in line with existing federal procedures for Ohio STIP Amendments and Administration Modifications:** Yes

**Select the appropriate project type:**

(27) Highway safety or traffic operations improvement projects, including the installation of ramp metering control devices and lighting, if the project meets the constraints in paragraph (e) of this section. **Examples include: Lane reduction ("road diet") changes provided traffic analysis is completed; Railroad projects that close at-grade crossings to improve safety or traffic operations.**

**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 ROW (exceeds strip takes)
2. **b.** Residential or non-residential displacements
3. **c.** A U.S. Coast Guard permit or an Individual Section 404 permit under the Clean Water Act



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4. **d.** A Section 106 finding of *Adverse Effect*
5. **e.** Section 4(f) impacts greater than de minimis
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.** A full Environmental Justice Analysis Report (EJAR) is required (the project must be processed as a D-level CE or higher-level document). If a memo-to-file/letter/IOC-format EJAR Short Report is determined to be the appropriate level of documentation, contact OES regarding NEPA document level.

**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.**

**Ecological**

**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

**Will any wetlands be impacted?** Yes

**The identified Federally Listed Species for the project received an effect determination of No Effect.**

**Endangered Species Remarks:**

The proposed project will have no impacts to federal or state listed species. Approximately 0.68 acre of suitable wooded habitat was identified within the study area, however, it is not located within the proposed project construction limits.

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

**Scenic Rivers Remarks**

The proposed project is not located within 1,000 feet of a National Wild and Scenic River.

**Floodplains**



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**100-Year Floodplain:**

No Encroachment Within a Special  
Flood Hazard Area (SFHA)

**Floodplain Remarks**

ODOT District 4 Environmental Section personnel reviewed the FEMA FIRM mapping for the project study areas and found the proposed construction activities are not located within a designated Special Flood Hazard Area (SFHA) floodplain. See the floodplain mapping for the project in the Project File/Permits/Floodplains subsection.

**Section 4(f)**

**Section 4(f):**

Not present

**Section 4(f) Remarks**

Recreational properties and/or historic sites are not located within and/or immediately adjacent to the project study areas.

**Section 6(f)**

**Section 6(f):**

Not present

**Cultural Resources**

**Cultural Resources:**

Present; No Finding of Adverse  
Effect

**Cultural Resources Coordination:**

No Historic Properties Affected

**Cultural Resources Coordination - ODOT Approval/SHPO  
Concurrence Date**

01/31/2025

**Cultural Resources Remarks**



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A literature review was performed to identify known cultural resources in the project vicinity and help to determine the amount of cultural resource coordination required. The review of the Ohio SHPO's online mapping system indicated the entire project area had been surveyed in 2002 for a State Route 46 widening and roadway improvement project. No archaeological deposits were identified in the State Route 46/New Road vicinity and the closest recorded site, a late 19th to early 20th Century refuse scatter (33MH144), is located over 1.25 mile to the north. Thus, no previously recorded archaeological site will be affected by the proposed construction.

A history/architecture records check was conducted to determine if previously recorded cultural resources have been identified within the project area. The records check included a review of electronic data from Ohio's State Historic Preservation Office (OSHP) GIS database to identify properties listed on or eligible for the National Register of Historic Places (NRHP). The records check also included records filed in the Ohio Historic Inventory (OHI). The area was previously surveyed for history/architecture properties in the report *MAH/TRU-46-14.67/0.00 PID 10976 H/A Reevaluation Summary of Investigation*, 2001, prepared by ASC Group. There were 4 OHI records from that survey in the project area.

### **History/Architecture Review Summary**

A history/architecture Memo-to-File dated 1/30/2025 has been uploaded to Environet [Project File/Cultural Resources/Project Information subsection as *Memo to File- History Architecture.pdf*]. The Memo-to-File documented 4 history/architecture resources over 50 years of age within the Area of Potential Effect for the project. These resources were evaluated for the NRHP. None of the resources were found eligible for the NRHP.

### **Archaeological Review Summary**

ODOT's Office of Environmental Services completed an archaeological field review on December 18, 2024 for proposed work areas that extended beyond the 2002 survey area (see memo-to-file dated 1/23/25 for a detailed summary of these investigations [Project File/Cultural Resources/Project Information subsection as *Field Review Summary - Archaeology.pdf*]). This field review confirmed modern disturbances across the northwest, northeast, and southeast quadrants of the intersection improvement project. Surface survey conducted across the cultivated field in the southwest quadrant failed to identify any archaeological deposits. Based on this information and conditions documented across the project area, no significant archaeological sites will be affected by the proposed intersection improvement project and no further archaeological investigations are recommended.

Based on the results of the literature review, the scope of the undertaking and the results of the cultural resource review, no further cultural resource investigations are warranted. In accordance with Stipulation V(C)(2) of the Section 106 Programmatic Agreement between FHWA, ODOT, Ohio SHPO, and ACHP executed June 29, 2023 (Agreement No. 38503), ODOT-OES has determined that "no historic properties affected" is the appropriate finding for the proposed MAH-46-13.51 intersection improvement project. No further cultural resource investigation is required pending completion of a 15 day review and comment period at the Ohio SHPO and a 30 day review and comment period by federally recognized tribes. This Effect Determination was coordinated with the SHPO on January 31, 2025. The SHPO did not respond after a 15-day review period; therefore no further coordination is required in accordance with the Section 106 Programmatic Agreement. See the cultural resources documentation for the project in the Project File/Cultural Resources/Project Information subsection and the Cultural Resources Tab.

### **Tribal Consultation Summary/Remarks:**

The Delaware Tribe of Oklahoma, Eastern Shawnee Tribe, Miami Tribe of Oklahoma, Osage Nation, Peoria Tribe, Saginaw Chippewa Indian Tribe, Seneca Nation, The Shawnee Tribe, and Wyandotte Nation were notified of the "no historic properties affected" determination on January 31, 2025. The Delaware Tribe of Oklahoma and Miami Tribe of Oklahoma did not respond within the 30-day comment period. The Osage Nation and Shawnee Tribe concurred with the effect determination on January 31, 2025 and February 10, 2025, but requested further consultation be conducted should artifacts or human remains be uncovered during construction. See the tribal coordination for the project in the Cultural Resource tab and in the Project File/Cultural Resources/Coordination subsection.

### **Environmental Resources Considered**

**The following environmental resources are present and have been studied for potential impacts:**

Air Quality

Noise

Regulated Materials

Farmland



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**Air Quality:**

Studies Not Required

**Air Quality - Coordination with OES:**

No

**Air Remarks**

No air quality studies or coordination are needed for this project. The project is an exempt project per 40 CFR 93.126 under "Projects that correct, improve, or eliminate a hazardous location or feature". See the Air Quality documentation for the project in the Project File/Air/Coordination subsection.

**Noise:**

Studies Not Required

**Noise - Coordination with OES**

No

**Noise Remarks**

The project does not qualify as a Type I project for noise (i.e., not adding capacity, not moving thru travel lanes equal to or greater than 50% closer to noise sensitive areas); therefore, a noise analysis is not required for the project under 23 CFR 772. See the Noise documentation for the project in the Project File/Noise/Coordination subsection.

**The project involves ROW acquisition, Deep Excavation, or OEPA 513 Landfill Authorization:**

Yes - Screening

**Regulated Materials Review Screening:**

No Further Regulated Materials Review

**Regulated Materials Review Screening - DEC/OES Approval Date:**

01/14/2025

**Regulated Materials Review Remarks:**

Based on the information in the Regulated Materials Review (RMR) Screening 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/RMR/Reports and Coordination subsections.

**Farmland:**

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

**Environmental Justice**

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

**Environmental Justice Populations**

**Public Involvement**

**Public Involvement:**

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

**Public Involvement Remarks**

See the stakeholder/public involvement summary in the Public Involvement/Project Information subsection as Stakeholder - Public Involvement Summary.pdf.



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**Environmental Commitments**

**Environmental Commitments**

Yes



## Ecological

### Wetlands

| ESR Name:    | Wetland ID: | Hydrologic connection: | Wetland category: | Estimated total size (ac.): | Total estimated impact area by alternative (ac.): |
|--------------|-------------|------------------------|-------------------|-----------------------------|---|
| MAH-46-13.51 | W-1         | Adjacent               | Category 1        | 0.001                       | 0.001   |
|              | W-2         | Adjacent               | Category 1        | 0.017                       | 0   |
|              | W-3         | Adjacent               | Category 1        | 0.200                       | 0   |
|              | W-4         | Adjacent               | Category 1        | 0.300                       | 0.050   |

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

Total impact to all wetlands (ac.): 0.051

Total acres of non-isolated wetlands impacted: 0.051

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 Safety Hazards.

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.

Include justification supporting the decisions noted above:



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All practicable wetland avoidance has been incorporated into the project design. Avoidance of the wetlands would require a complete realignment of the roadway which would have a substantial impact on adjacent homes and businesses.

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:**

Impacts have been avoided to the maximum extent possible.



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## **Environmental Commitments**

### **C2**

1) ODOT will obtain all appropriate waterway permits prior to any work within the jurisdictional boundary of any waterway, including wetlands, and all Waterway Permit Special Provisions will be noted under Special Provisions in the plans and adhered to during construction.



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### **Preparers and Approvals**

**Form Preparer:**

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Sean Carpenter  
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Scott Ross

### **Approvals & Electronic Signatures**

| <b>Approved &amp; Electronically Signed By:</b> | <b>Approval Date:</b> |
|---|-----------------------|
| Edward Deley (PROGRAM ADMIN 3)                  | 5/21/2025             |



## Appendix

### General

2024-2027 STIP Listing.pdf

Aerial Map.pdf

County Map.pdf

District Acceptance - Traffic Analysis.pdf

Right of Way Plan Sheets.pdf

USGS Quadrangle Topographical Map.pdf

### Air

OES Approval - No Air Analysis Required.pdf

### Noise

OES Approval - No Analysis Required.pdf

### RMR

OES Review - Screening.pdf

### Cultural Resources

Records Check.pdf

SHPO Comments

Transmittal 1 - Effect Determination

Tribal Consultation

Tribal Consultation - Correspondence List and Example.pdf

Tribal Response - Osage Nation.pdf

Tribal Response - Shawnee Tribe.pdf

### Ecological

ODNR Scenic River MOA Conditions

USFWS/ODNR Ecological MOA Conditions

### Other Resources

Census Bureau Urbanized Area Map.pdf

Residential Well Map.pdf

Sole Source Aquifer Mapping.pdf

Water Source Protection Area Map.pdf



**Public Involvement**

- Frequently Asked Questions.pdf
- News Article-WFMJ-03.07.2025.pdf
- News Article-WFMJ-08.07.2023.pdf
- News Article-WFMJ-12.09.2024.pdf
- News Article-WKBN-02.03.2025.pdf
- News Article-WKBN-02.06.2025.pdf
- News Article-WKBN-03.07.2025.pdf
- News Article-WKBN-08.07.2023.pdf
- News Article-WKBN-12.09.2024.pdf
- ODOT Project Website.pdf
- Public Comments Received.pdf
- Public Input Project Website.pdf
- Public Notification Mailing List.pdf
- PublicInput Website Response to Comments Verification.pdf
- Response to Public Comments - Email Notification.pdf
- Response to Public Comments Notification.pdf
- Response to Public Comments.pdf
- Right-of-Entry Letter .pdf
- Stakeholder - Public Involvement Summary.pdf
- Stakeholder Notification 12.03.2024.pdf
- Virtual Public Open House Exhibits.pdf
- Virtual Public Open House Flyer.pdf
- Virtual Public Open House Newspaper Advertisement.pdf
- Virtual Public Open House Notification Letter.pdf
- Virtual Public Open House ODOT Facebook Notification.pdf
- Virtual Public Open House ODOT X (Twitter) Notification.pdf
- Virtual Public Open House Presentation.pdf
- Virtual Public Open House Press Release.pdf

**Permits**

- FEMA FIRM.pdf