



# OHIO DEPARTMENT OF TRANSPORTATION

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

## **Environmental Document**

for

**MAH CR 0109 06.62 (Raccoon Rd) PID 107273**

**Environmental Document Level: C2**

**Approved: 10/3/2018**

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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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## C2

**PID:** 107273  
**Project Sponsor:** MAHONING COUNTY ENGINEER  
**ODOT District:** 4  
**Funding Source:** Federal  
**Private Funding:** No

### **Project Description:**

The Mahoning County Engineer proposes to improve safety and traffic operation at the New Road/Raccoon Road intersection in Austintown Township, Mahoning County, Ohio. Current land uses that surround this intersection consist of commercial, retail and residential development in an urbanized setting.

A safety study was conducted for the New Road/Raccoon Road intersection in August 2017. This study determined the existing traffic signal visibility/operation and driveway placement accounted for 50 of the 51 vehicle crashes identified within the analyzed 3-year period between 2014 and 2016. All crash types (i.e. angle, rear-end and sideswipe passing) that occurred within the intersection are overrepresented in the project study area when compared to statewide averages for non-state system locations.

The safety study also indicated the existing traffic signal is a box span-wire installation with loop detection that operates on a single ring four-phase setting. This single ring setting does not provide the flexibility to skip a phase if no demand exists for certain left turn movements, thereby increasing vehicular delay. In addition, signal head visibility is low to traffic from a point at least the minimum sight distance of 325 feet in advance of and measured to the intersection stop lines for the 35-mph speed limits posted on all four (4) approaches to the intersection. Furthermore, pedestrian signal heads, curb ramps and crosswalks do not exist at the New Road/Raccoon Road intersection.

The New Road/Raccoon Road intersection safety study is in the General/Project Information/Traffic Study subsection of the project file.

The project proposes to remove the existing box span-wire traffic signal and replace it with a new mast arm/support pole traffic signal with signal controller, LED signal heads with backplates, pull boxes, enhanced radar vehicle detection, stop bar radar, vehicle detector loops and pedestrian signal heads/push buttons/signs. Additional improvements proposed by the project include new Americans with Disabilities Act (ADA)-compliant curb ramp(s) in each intersection quadrant, 238 feet of longitudinal channelizer along the west approach, crosswalks and pavement markings.

Utility poles, overhead utility lines and underground utilities to be impacted by the project will be relocated within the existing roadway rights-of-way. Existing utilities will not be



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permanently removed to construct the project. Impacts to most utilities will be avoided through the detailed design phase of the project. The contractor will be required to physically locate utilities at the proposed excavation locations. Signal specifications have provisions to adjust the locations of the proposed traffic signal support pole foundations. Coordination with affected utility owners is ongoing for the project. A list of utilities and current correspondence records is in the Project File/General/ROW and Utility subsection.

During construction, a minimum of one lane of traffic will be maintained in each direction at all times except when temporary closures of the entire roadway will be required to permit the removal and installation of signal supports. These temporary closures would be in the presence of a law enforcement officer and would last no more than 15-20 minutes. Signage, drums and cones will be used to guide motorists through the work zone. No substantial traffic disruptions are anticipated during project construction.

Permanent right-of-way in the form of standard highway (SH) easements totaling approximately 0.009 acre will be acquired from four (4) parcels to construct the proposed improvements. The project right-of-way plans are in the Project File/General/Project Information subsection as Right-of-Way Plan Sheets.pdf.

A regulated materials review (RMR) investigation was completed for the project. Based on review of the RMR documentation, a petroleum contaminated soils (PCS) plan note is recommended for incorporation into the plans for parcel 48-070-0-011 (Shell Gas Station/Cedar Petroleum, LLC; 1704 Raccoon Road) and 48-075-0-030 (First Row Realty Commercial Business; 1698 Raccoon Road). Additionally, coordination with the Shell Gas Station, 1704 Raccoon Road, should be conducted by the project sponsor to determine if the existing monitoring wells located in the New Road and Raccoon Road pavements may be removed from the roadways. See the RMR documentation for the project in the Project File/ESA section.

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 15  
and is fiscally constrained.

**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 -  
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



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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.

|  |   |
|--|---|
| <b>Waterways:</b>  | Not Present   |
| <b>Endangered Species:</b>   | No Impacts to Protected Species and Critical Habitat                            |
| <b>100-Year Floodplain:</b>  | No Encroachment Within a Special Flood Hazard Area (SFHA)                       |
| <b>Section 4(f):</b>   | Not present   |
| <b>Section 6(f):</b>   | Not present   |
| <b>Cultural Resources:</b>   | Present; No Finding of Adverse Effect   |
| <b>Cultural Resources Coordination:</b>  | Minimum Potential to Cause Effect - Appendix B                                  |
| <b>Cultural Resources Coordination - ODOT Approval Date:</b>   | 09/10/2018  |
| 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. |   |
| <b>Air Quality:</b>  | Studies Not Required  |
| <b>Air Quality - Coordination with OES:</b>  | No  |
| <b>Noise:</b>  | Studies Not Required  |
| <b>Noise Coordination - OES Approval Date:</b>   | 07/13/2018  |
| <b>Hazardous Materials - ESA Screening Conducted</b>   | Yes   |
| <b>Hazardous Materials - OES Approval Date:</b>  | 08/31/2018  |
| <b>Phase I ESA Warranted Based on Coordination with OES:</b>   | No Further Studies Warranted  |
| <b>Farmland:</b>   | Urbanized Area; No Impacts in Accordance With the Farmland MOU and 7 CFR 658    |
| <b>Scenic Rivers</b>   | 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) Based on BUSTR File Reviews and historic aerials, there is a potential that contaminated soil could be encountered during construction activities. Therefore, the Project Designer shall incorporate petroleum contaminated soils (PCS) plan notes into the plans for Parcel Number 48-070-0-011, Shell Gas Station/Cedar Petroleum, LLC, 1704 Raccoon Road, and Parcel Number 48-075-0-030, First Row Realty Commercial Business, 1698 Raccoon Road. Additionally, coordination with the Shell Gas Station, 1704 Raccoon Road, should be conducted by the project sponsor to determine if the existing monitoring wells located in the New Road and Raccoon Road pavements may be removed from the roadways.



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### **Preparers and Approvals**

**Form Preparer:** Shannon Mueller  
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Sean Carpenter  
Anna Kamnyev  
Shannon Mueller

### **Approvals & Electronic Signatures**

| <b>Approved &amp; Electronically Signed By:</b> | <b>Approval Date:</b> |
|---|-----------------------|
| Edward Deley (PROGRAM ADMIN 3)                  | 10/3/2018             |



## Appendix

### **Air**

District Determination - No Air Analysis Required.pdf

### **Noise**

District Determination - No Noise Analysis Required.pdf

### **General**

Project Description Continued.pdf

General Photographs.pdf

County Map.pdf

USGS Quadrangle Topographical Map.pdf

Aerial Map.pdf

### **ESA**

OES Recommendations - Screening.pdf

Regulated Materials Review Form.pdf

### **Cultural Resources**

Minimal Potential to Cause Effects - A or B.pdf

### **Other Resources**

Census Bureau Urbanized Map.pdf

Water Source Protection Area Map.pdf

Well Log Data.pdf

Sole Source Aquifer Mapping.pdf

Groundwater Resources Map.pdf

Groundwater Pollution Potential Mapping.pdf

### **Underserved Populations**

Census Mapping.pdf

Underserved Populations Documentation Form.pdf

### **Public Involvement**

Stakeholder Contact List.pdf

Website posting.pdf

Press Release.pdf



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Property Owner Notification Letter.pdf

**Permits**

FEMA FIRM.pdf