



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 02
317 E. POE RD. • BOWLING GREEN, OH 43402 • 419-353-8131

Environmental Document

for

LUC CR95 1.71 Mnclva Wlks Rndbt PID 116687

Environmental Document Level: D1

Approved: 1/16/2025

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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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Project Type

Please check all of the following actions that apply (Must check at least one):

(13) Actions described in 23 CFR 771.117 (c)(26), (c)(27), and (c)(28) that do not meet the constraints listed in 23 CFR 771.117(e).

(a) Project types that exceed thresholds in Appendix A

(b) Project types that exceed thresholds in Appendix B



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General Project Information

Project, Cost Schedule and Work Limits

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PID: 116687
Project Name: LUC CR95 1.71 Mnclva Wlkns Rndbt
Project Sponsor: LUCAS COUNTY ENGINEER
ODOT District: 2
Funding Source: Federal
The next phase of the proposed project is listed on the STIP Yes

Ellis STIP Details

Phase	Current STIP Reference
ENV	On Previous STIP
CO	116687: 24-27 STIP

An Interchange Modification/Justification/Operations Study (IMS/IJS/IOS) was completed No
Project Description:



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The Lucas County Engineer's Office (LCEO), in partnership with the Ohio Department of Transportation (ODOT), is proposing to install a roundabout at the intersection of Monclova Road (CR 95) and Wilkins Road (CR 108) in Swanton Township, Lucas County, Ohio. The project is located in a rural area southeast of the Village of Swanton, on the edge of Oak Openings Preserve. The proposed modern single-lane roundabout will include lighting and a landscaped center island. Associated work includes new asphalt and concrete pavement, concrete curbs and gutter, drainage improvements, earthwork, pavement markings and signage, and intersection lighting.

The intersection is currently a 2-way stop, with the traffic on Monclova Road stopping. The speed limit for Monclova Road is 55 MPH, the northbound approach of Wilkins is 50 MPH, and the southbound approach is 55 MPH. There are "Stop Ahead" signs, dual stop signs, and "Cross Traffic Does Not Stop" signs on each Monclova Road approach.

The purpose of the project is to improve safety at the intersection of Monclova Road and Wilkins Road. Five (5) angle crashes occurred at the intersection between 2015 and 2019, with 100% of crashes resulting in injury, and 40% (2) resulting in serious injury. This is far above the 26.2% statewide average for injury crashes and 4.5% average for serious injury crashes. A contributing factor of the crashes and their severities is the high speeds of vehicles approaching the intersection. A roundabout would create a low-speed environment at the intersection and virtually eliminate the possibility of high-speed, high-angle (T-bone) crashes. The LCEO estimated that installing a roundabout at the intersection would result in an 87% reduction in injury crashes.

The project will require permanent right-of-way from one residential property and from Oak Openings Preserve, a Section 4(f) and Section 6(f) property. As part of the Section 6(f) process, the Lucas County Engineer's Office has arranged to purchase a 0.0233-acre replacement property for the land that will be converted from Oak Openings Preserve ownership to roadway right-of-way. The proposed replacement property is a vacant portion along the eastern boundary of Tax Parcel #7500239 (located on Airport Highway). Please see mapping in the Project File.

The Lucas County Engineer's Office will conduct the necessary utility coordination throughout the development and construction of the project.

Construction is scheduled to begin in June 2026 and be completed in October 2026.

This project is listed on the previous 2021-2024 STIP, the current 2024-2027 STIP, and the Toledo Metropolitan Area Council of Governments (TMACOG) 2024-2027 TIP.

The environmental document and associated studies are being approved using Stage 2 Design Plans. A copy of the plans is included in the Project File.

Limits of Proposed Work:

**Intersection of Monclova Rd and
Wilkins Rd.**

Start (SLM):	1.71
End (SLM):	1.79
Total Work Length (Miles):	0.08

Roadway Character

Route Number: CR00108

Functional Classification:	Local (Rural)
Current Average Daily Traffic:	400
Current Average Daily Traffic Year:	2026
Design Year Average Daily Traffic:	490
Design Average Daily Traffic Year:	2046
Daily Hourly Volume:	N/A
Truck %:	3
Setting:	Rural



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Topography:

Level

	Existing:	Proposed:
Design Speed (MPH):	50	50
Legal Speed (MPH):	50	50
Number of Lanes:	2	2
Type of Lanes:	Thru	Thru
Pavement Width (ft):	20	20
Shoulder Width (ft):	N/A	N/A
Median Width (ft):	N/A	N/A
Sidewalk Width (ft):	N/A	N/A

Route Number: CR00095

Functional Classification:

Minor Collector (Rural)

Current Average Daily Traffic:

1130

Current Average Daily Traffic Year:

2026

Design Year Average Daily Traffic:

1370

Design Average Daily Traffic Year:

2046

Daily Hourly Volume:

N/A

Truck %:

3

Setting:

Rural

Topography:

Level

	Existing:	Proposed:
Design Speed (MPH):	55	55
Legal Speed (MPH):	55	55
Number of Lanes:	2	2
Type of Lanes:	Thru	Thru
Pavement Width (ft):	20	20
Shoulder Width (ft):	N/A	N/A
Median Width (ft):	N/A	N/A
Sidewalk Width (ft):	N/A	N/A

No bridge data for PIDs associated with this CE Form

Maintenance of Traffic During Construction

A roadway, bridge or ramp closure is required

Yes



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A temporary bridge or roadway is proposed	No
A detour is required for the proposed project	Yes
Access for local through traffic will be provided with appropriate signage	Yes
Provisions for through-traffic dependent businesses will be incorporated into project design	No
Provisions to accommodate any local special events or festivals will be incorporated into project design	No
The proposed MOT substantially impacts sensitive environmental resources	No
Substantial controversy is associated with the proposed MOT	No
Coordination has been initiated and/or completed with local emergency services, schools, public institutions/facilities, etc.	Yes

Remarks:

The intersection will be closed during construction for approximately 45 days. Traffic will be detoured using State Route 64 (Waterville-Swanton Road), State Route 2 (Airport Hwy), State Route 295 (Berkey-Southern Road), and Reed Road. Access to all adjacent properties will be maintained for the duration of the project.

Detour Mapping can be found in the Project File/General/Maintenance of Traffic subsection.

Are there any Environmental Commitments?	No
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Right of Way and Utility Involvement

The project requires Permanent Right-of-Way	Yes
The project requires Permanent Easement(s)	No
The project requires Temporary Right-of-Way	No
Number of parcels impacted by Permanent Right-of-Way:	4
Number of parcels impacted by Temporary Right-of-Way:	0
Approximate acreage of Permanent Right-of-Way needed:	0.21
Approximate acreage of Temporary Right-of-Way needed:	0
Electrical lines, gas lines, water lines, sewer lines, phone lines or other utilities exist in the project area	Yes
Large scale transmission facilities are located within the project area	No
Private utility easements are located within the project area	No
Coordination with identified utilities has been initiated and/or completed	Yes

Remarks:



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The proposed project will require approximately 0.21 acre of permanent right-of-way from 4 parcels.

Final Right-of-Way Plans can be found in the Project File/General/Project Information subsection.

The Lucas County Engineer's Office will conduct the necessary utility coordination throughout the development and construction of the project. All utility work shall be coordinated between the contractor and the utility owners in such a way as to avoid and/or minimize any inconvenience to potentially affected customers. The LCEO initiated coordination with utility companies upon submittal of Stage 2 Design Plans.



Purpose & Need

Purpose & Need

Project History:

The intersection of Monclova Road (CR 95) and Wilkins Road (CR 108) is located in Swanton Township, Lucas County, Ohio. Monclova Road runs east to west and Wilkins Road runs north to south.

On August 3, 2020, the LCEO submitted a Highway Safety Improvement Program (HSIP) funding application to convert the two-way stop intersection into a modern single-lane roundabout. The HSIP application identified this intersection as a safety concern, as five (5) crashes occurred at the intersection between 2015 and 2019 according to the ODOT GCAT tool. The LCEO estimated that installing a roundabout at the intersection would result in an 87% reduction in injury crashes.

Purpose Statement:

The purpose of the project is to improve safety at the intersection of Monclova Road (CR 95) and Wilkins Road (CR 108).

Need Element(s):

The primary need of the project is to improve safety by addressing crashes. Five (5) angle crashes occurred at the intersection between 2015 and 2019 according to the ODOT GCAT tool. 100% of crashes resulted in injury, and 40% (2) resulted in serious injury. This is far above the 26.2% statewide average for injury crashes and 4.5% average for serious injury crashes. All crashes occurred in dry, daylight conditions. According to crash reports, all crashes at the intersection were attributed to a driver failing to yield or a driver running a stop sign on Monclova Road.

Goals and Objectives:

There are no additional goals and objectives for this project.

Summary Statement:

The purpose of the proposed project is to improve safety at the intersection of Monclova Road and Wilkins Road.

Logical Termini and Independent Utility:

The logical termini should include sufficient lengths to address the safety-related intersection improvements of the project. To accomplish this, the project termini encompass approximately 500 feet of Wilkins Road (north to south) and 500 feet of Monclova Road (east to west).

The proposed project is independent of any other planned transportation improvement and is not part of a long-range plan that requires additional components to be implemented separately. The project will serve as a usable and reasonable expenditure of funds without the need for other additional transportation improvements in the area. Therefore, independent utility is established.



Alternatives

Alternatives

Discuss No Build Alternative:

The No-Build Alternative would not make any improvements at the intersection of Monclova Road and Wilkins Road other than standard maintenance. Without intersection improvement, crash frequency and severity would not be addressed, and existing safety concerns would persist. Therefore, the No-Build Alternative does not meet the identified purpose and need of the project, as it would not improve safety conditions at the intersection.

Was a Feasibility Study completed?

No

Was an Alternative Evaluation Report (AER) completed?

No

Alternatives Considered

Name	Description	Reason Dismissed	Preferred Alternative
Four-Way-Stop Alternative	This alternative would add stop signs on Wilkins Road to create a 4-way stop at the intersection.	A 4-way stop is used at intersections for which the flow of traffic along both roadways is relatively equal in volume. As Monclova Road experiences higher traffic volumes than Wilkins Road, the addition of stop signs would increase traffic delays. This alternative is less preferable to the Roundabout Alternative, which addresses the project's purpose and need without increasing traffic delays. Therefore, the 4-way stop alternative was dismissed.	No



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Roundabout Alternative	This alternative would construct a modern roundabout at the intersection of Monclova Road and Wilkins Road.	N/A	Yes
Traffic Signal Alternative	This alternative would add a traffic signal to the intersection of Monclova Road and Wilkins Road.	Per Section 4 of the Ohio Manual of Uniform Traffic Control Devices, the intersection does not meet the minimum traffic volume to warrant installation of a traffic signal. Therefore, the alternative was dismissed.	No

Discuss Reasons Alternative Identified as Preferred was selected:

The Roundabout Alternative would create a low-speed environment inside the roundabout, as well as at the entry and exit locations. This alternative addresses the purpose and need of the project to improve safety at the intersection, as it is predicted to decrease crash frequency and severity. The Roundabout Alternative is predicted to reduce crashes by an estimated 87% according to the LCEO HSIP funding application, and has been selected as the preferred alternative by the Lucas County Engineer's Office.



Air

Mobile Source Air Toxics (MSATs)

Sensitive Areas are located within approximately 500' of the proposed project area Yes

The proposed project is listed as a C1 in ODOT's CE Guidance and/or falls under 40 CFR 93.126 Yes

Remarks:

The proposed project involves the construction of a single-lane roundabout (with no additional travel lanes) and is exempt from Mobile Source Air Toxics (MSAT) analysis in accordance with 40 CFR 93.126. The project will not result in meaningful changes to traffic volumes, vehicle mix location of the existing facility, or other factors that would cause an increase in emissions impacts relative to the no-build alternative. As such, the Federal Highway Administration (FHWA) has determined the proposed project will generate minimal air quality impacts for Clean Air Act criteria pollutants and has not been linked with any special MSAT concerns.

See the District Determination in the Project File Air/Coordination subsection.

Particulate Matter 2.5 (PM2.5)

The proposed project is in an air quality non-attainment or maintenance area No

Remarks:

Lucas County is not in a PM 2.5 maintenance or non-attainment area. Therefore, a PM 2.5 analysis is not required.

Carbon (CO)

The State of Ohio is in attainment for CO at this time and no coordination or analysis is required

Ozone

The proposed project is in an Ozone non-attainment or maintenance area No

The proposed project is listed on the TIP Yes

Remarks:

The proposed project is not located in an ozone non-attainment or maintenance area, and the project is listed on the TMACOG FY 2024-2027 Transportation Improvement Program (TIP), the 2021-2024 Ohio Statewide Transportation Improvement Program (STIP), and the 2024-2027 STIP. Therefore, ozone is addressed.

See STIP and TIP listings in the Project File/General/Project Information.

Greenhouse Gas

A Quantitative Greenhouse Gas (GHG) Analysis is required No



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Remarks:

The project will not result in meaningful changes to traffic volumes, vehicle mix location of the existing facility, or other factors that would cause an increase in emissions impacts relative to the no-build alternative. Furthermore, roundabouts provide for a continuous no-stop intersection which provides for less idling and less emissions within the intersection compared to a standard stop condition intersection. A Greenhouse Gas Analysis was not warranted for this project.

Environmental Commitments

Are there any environmental commitments? No



Noise

Noise

Noise Sensitive Areas located within approximately 500' of the proposed project area	Yes
Noise Analysis conducted	No
The proposed project is a Type I project	No
The proposed project is a Type II project	No

Remarks:

The proposed project is not a Type I project for noise (does not add capacity, does not move thru travel lanes equal to or greater than 50% closer to noise sensitive areas). Therefore, a noise analysis was not warranted and no further coordination is required.

See the District Determination in the Project File Noise/Coordination subsection.

Environmental Commitments

Are there any environmental commitments? No



RMR

Does the project require any Permanent ROW or Easement? Yes

RMR Screening was completed by District Staff: Yes

Date when It was completed: 09/10/2024

Date of RMR Screening IOC from OES: 09/10/2024

Do any sites require a RMR Assessment, RMR Investigation, or plan note according to the IOC from OES? No

Remarks:

A Regulated Materials Review (RMR) Screening Report was prepared by Clune Consulting Services in accordance with the ODOT RMR Manual. Based on the results of the screening, ODOT District 2 personnel recommended no further studies for regulated materials. The Regulated Materials Review Screening did not show any evidence of Regulated Materials, Landfills, or other potentially hazardous materials within the project area or the Section 6(f) replacement property. See the RMR Screening Report in the Project File RMR/Reports subsection.

Landfills

Is a Rule 513 Authorization required? No

Remarks:

Based on the results of the Regulated Materials Review Screening approved on September 10, 2024, no landfills are located within or adjacent to the proposed project area or Section 6(f) replacement property. Therefore, an OEPA Permit Application under OAC Chapter 3745-27-13 will not be required and no further coordination is needed.

Are there any environmental commitments? No

According to the IOC from OES does the project require any Environmental Commitments (plan notes and/or other coordination)? No



Cultural Resources

Cultural Properties Present

Please describe all of the efforts made to identify Historic Properties (including lit review, field investigation, etc.):

Efforts to identify historic properties included a literature review, background research, and a Section 106 Scoping Request Form.

Is there an eligible or listed NRHP Historic Property in the Area of Potential Effects Pursuant to 36 CFR part 800? **No**

OES Approval/OSHPO Concurrence Date: **09/10/2024**

Remarks:

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 "Minimal Potential to Cause Affect - Appendix B" is the appropriate finding for the proposed project. No further cultural resource investigation is required.

What is the Section 106 effect determination in the OES Transmittal? **Minimal Potential to Cause Effect Appendix B**

Documentation Date

Participating

Archaeological Resource Adverse Effect

History/Architecture Adverse Effect

Tribal Consultation

Tribal Consultation Summary/Remarks:

The Miami Tribe of Oklahoma was notified of the proposed project on September 10, 2024. No comment or objection was received within 30 days.

Environmental Commitments

Are there any Environmental Commitments? **No**



Ecological

ESR

ESR Name:	ESR Type:	Coordination Complete Date:
LUC-CR 95-1.71	Level 1	1/15/2025
LUC-CR 95-1.71 6(f) Replacement	Ecologically Exempt	9/27/2024

Wetlands

ESR Name:	Wetland ID:	Hydrologic connection:	Wetland category:	Estimated total size (ac.):	Total estimated impact area by alternative (ac.):
LUC-CR 95-1.71	Wetland B	Adjacent	Modified Category 2	0.03	0

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

Total impact to all wetlands (ac.): 0

Total acres of non-isolated wetlands impacted: 0

Total acres of isolated wetlands impacted: 0

Remarks:

The Level 1 Ecological Survey Report (ESR) prepared by Clune Consulting Services (CCS) in November 2023 identified two (2) wetlands within the project area, Wetland A and Wetland B. The wetlands are marked as "Do Not Disturb" on Stage 2 Design Plans and will not be impacted by the proposed project. CCS investigated the 6(f) replacement property for the presence of any ecological resources in July 2023. An Ecologically Exempt form was prepared for the 6(f) replacement property in September 2024, as no regulated ecological resources were present on the replacement property.

Streams & Rivers

ESR Name:	Stream Name:	National or Scenic Rivers or NRI Streams:	Ohio EPA Aquatic Life Use Designation:	Antidegradation Designation:	Total Impact Length(ft.):
LUC-CR 95-1.71	Gale Run	No	WWH	General High Quality Water	0



Total impact length (ft.) to perennial streams: 0

Total impact length (ft.) to intermittent streams: 0

Total impact length (ft.) to ephemeral streams: 0

Remarks:

The Level 1 ESR identified one stream (Gale Run) within the project study area. Gale Run is a perennial stream with a provisional OEPA Aquatic Life Use Designation of Class II Warmwater Habitat (WWH). Construction of the project will not impact Gale Run.

Other Surface Waters / Ditches

ESR Name:	Ditch Id:	Total Impact Area(ac.):
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Total impact to all ditches (ac): 0

Other Surface Waters / Other Water Bodies

ESR Name:	Water Body Id:	Hydrologic Connection:	Type:	Designated Function:	Total Impact
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Remarks:

The Level 1 ESR did not identify other surface waters within the project area.

Terrestrial Habitats

ESR Name:	Vegetative Communities and Land Cover found within the project study area:	Degree of man induced ecological disturbance:	Unique, rare, or high quality:	Within Project Study Area(s) (ac.):	Alternative Impacts (ac.):
LUC-CR 95-1.71	Open Water - All Areas of Open Water, Generally with Less Than 25% Cover of Vegetation or Soil.	Low Disturbance (Dominated by Plants with a Narrow Range of Ecological Tolerances that Typify a Stable or Near 'Climax' Community)	No	0.01	0.00



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	Developed Open Space - DS - (Mown Right-of-Way, Large-Lot Single-Family Housing Units, Parks, Golf Courses, and Vegetation Planted in Developed Settings for Recreation, Erosion control, or Aesthetic Purposes)	High Disturbance (Dominated by Widespread Taxa Not Typical of a Particular Community)	No	1.04	0.76
	Developed, High Intensity (DH) - Includes Highly Developed Areas Where People Reside or Work in High Numbers. Examples Include Apartment Complexes, Row Houses and Commercial/Industrial. Impervious Surfaces Account for 80 to 100% of the Total Cover.	Extreme Disturbance/Ruderal Community (Dominated by Opportunistic Invaders or Native Highly Tolerant Taxa)	No	0.54	0.51
	Upland Forest - UF - (Uplands Dominated by Trees)	Intermediate Disturbance (Dominated by Plants that Typify a Stable Phase of a Native Community that Persists Under Some Disturbance)	No	1.03	0.22
	Forested Swamp - FS - (Wetland Dominated by Trees)	Low Disturbance (Dominated by Plants with a Narrow Range of Ecological Tolerances that Typify a Stable or Near Climax Community)	No	0.02	0.00

Remarks:

Based on the results of the Level 1 ESR, upland forest (1.03 ac.) and Forested Swamp communities (0.02 ac.) were identified within the environmental study area. The project is located in the Oak Openings Region. Impacts to wooded areas have been minimized to the greatest extent practicable to construct the project, and Forested Swamp will not be impacted. The impacts included in the Level 1 ESR were based on the preliminary Stage 1 design and approved environmental study area, and have been further refined during plan development. The vegetative communities impacted by the proposed project area experience intermediate to extreme disturbance levels due to previous roadway construction, mowing, and other maintenance activities associated with development. Impacts to vegetative communities will include activities such as grading and tree removal as required for roadway approach work and construction of the roundabout. All disturbed vegetated areas will be re-vegetated and are expected to recover following the disturbance associated with construction activities.

Threatened or Endangered Species / Federally Listed Species

Species Common Name:	Species Scientific Name:	Listing Status:
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Indiana Bat	Myotis sodalis	Endangered
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ESR Name: LUC-CR 95-1.71

Effect Determination: May Affect, Not Likely to Adversely Affect

Discussion Including impacts to Suitable Habitat:

The project study area was investigated for the presence of suitable wooded habitat (SWH) for Indiana bat (*Myotis sodalis*) and northern long-eared bat (*Myotis septentrionalis*) using the 2016 Indiana Bat and Northern Long-eared Bat Programmatic Agreement/Programmatic Biological Opinion (PA/PBO) - Technical Guidance. The proposed project is located within the Western Management Unit. Based on field reconnaissance conducted by CCS personnel on 07/20/2023, 0.22 acre of SWH is located within the construction limits and may be impacted by the project. All SWH to be impacted is within 100' of the edge of pavement, and no potential maternity roost trees will be impacted. A review of the Ohio Department of Natural Resources (ODNR) Division of Wildlife (DOW), Natural Heritage Database (NHDB) Program, dated 06/22/23, identified no bat capture location records within a 1-mile radius of the project study area. The USFWS bat buffer coordination, dated 05/01/23, stated the project site is not located within a bat buffer. See the NHDB review letter and the USFWS bat buffer email response in Appendix 5. All tree removal will occur between October 1 and March 31 to protect these species during their summer roosting period.

ESR Name: LUC-CR 95-1.71 6(f) Replacement

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:
Ecologically Exempt

Species Common Name:	Species Scientific Name:	Listing Status:
Northern Long-eared Bat	<i>Myotis septentrionalis</i>	Endangered

ESR Name: LUC-CR 95-1.71

Effect Determination: May Affect, Not Likely to Adversely Affect

Discussion Including impacts to Suitable Habitat:

The project study area was investigated for the presence of suitable wooded habitat (SWH) for Indiana bat (*Myotis sodalis*) and northern long-eared bat (*Myotis septentrionalis*) using the 2016 Indiana Bat and Northern Long-eared Bat Programmatic Agreement/Programmatic Biological Opinion (PA/PBO) - Technical Guidance. The proposed project is located within the Western Management Unit. Based on field reconnaissance conducted by CCS personnel on 07/20/2023, 0.22 acre of SWH is located within the construction limits and may be impacted by the project. All SWH to be impacted is within 100' of the edge of pavement, and no potential maternity roost trees will be impacted. A review of the Ohio Department of Natural Resources (ODNR) Division of Wildlife (DOW), Natural Heritage Database (NHDB) Program, dated 06/22/23, identified no bat capture location records within a 1-mile radius of the project study area. The USFWS bat buffer coordination, dated 05/01/23, stated the project site is not located within a bat buffer. See the NHDB review letter and the USFWS bat buffer email response in Appendix 5. All tree removal will occur between October 1 and March 31 to protect these species during their summer roosting period.

ESR Name: LUC-CR 95-1.71 6(f) Replacement



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Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:
Ecologically Exempt

Species Common Name:	Species Scientific Name:	Listing Status:
Bald Eagle	Haliaeetus leucocephalus	Species of Concern

ESR Name: LUC-CR 95-1.71

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:
The study area does not contain suitable open water or mature forest habitat. No nests or eagles were observed during field reconnaissance. There is no suitable habitat for the bald eagle within the study area.

ESR Name: LUC-CR 95-1.71 6(f) Replacement

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:
Ecologically Exempt

Species Common Name:	Species Scientific Name:	Listing Status:
Eastern Massasauga	Sistrurus catenatus	Threatened

ESR Name: LUC-CR 95-1.71

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:
According to USFWS coordination dated 05/01/23 the project is not located within a range polygon for this species (see the USFWS correspondence in Appendix 5). In addition, field reconnaissance conducted by CCS personnel on 07/20/2023 did not identify suitable habitat for this species within the project study area, as the study area consisted primarily of upland forest, developed open space along the roadways, and limited forested wetlands. A species specific survey was not conducted as part of this report. The eastern massasauga is not expected to inhabit the study area.

ESR Name: LUC-CR 95-1.71 6(f) Replacement

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:
Ecologically Exempt

Species Common Name:	Species Scientific Name:	Listing Status:
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Eastern Prairie Fringed Orchid	Platanthera leucophaea	Threatened
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ESR Name: LUC-CR 95-1.71

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:

Field reconnaissance conducted by CCS personnel on 07/20/2023 did not identify suitable habitat for this species within the project study area. The study area consisted primarily of upland forest, developed open space along the roadways, and limited forested wetlands. A rare plant survey was conducted with an EMH&T field botanist on 5/22/23, 7/20/23, and 9/5/23, and the Eastern Prairie Fringed Orchid was not observed in the study area. The Eastern Prairie Fringed Orchid is not expected to inhabit the study area.

ESR Name: LUC-CR 95-1.71 6(f) Replacement

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:

Ecologically Exempt

Species Common Name:	Species Scientific Name:	Listing Status:
Karner Blue Butterfly	Lycaeides melissa samuelis	Endangered

ESR Name: LUC-CR 95-1.71

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:

Field reconnaissance conducted by CCS personnel on 07/20/2023 did not identify suitable habitat for this species within the project study area. The study area consisted primarily of upland forest, developed open space along the roadways, and limited forested wetlands. No wild lupine was observed within the study area. A species specific survey was not conducted as part of this report. The Karner Blue Butterfly is not expected to inhabit the study area.

ESR Name: LUC-CR 95-1.71 6(f) Replacement

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:

Ecologically Exempt

Species Common Name:	Species Scientific Name:	Listing Status:
Piping Plover	Charadrius melodus	Endangered

ESR Name: LUC-CR 95-1.71

Effect Determination: No Effect



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Discussion Including impacts to Suitable Habitat:

Field reconnaissance conducted by CCS personnel on 07/20/2023 did not identify suitable habitat for this species within the project study area. The study area consisted primarily of upland forest, developed open space along the roadways, and limited forested wetlands. A species specific survey was not conducted as part of this report. The Piping Plover is not expected to inhabit the study area.

ESR Name: LUC-CR 95-1.71 6(f) Replacement

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:
Ecologically Exempt

Species Common Name:	Species Scientific Name:	Listing Status:
Rayed Bean	Villosa fabalis	Endangered

ESR Name: LUC-CR 95-1.71

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:

There are no anticipated stream impacts. The stream within the study area (Gale Run) has a drainage of < 5 square miles, and is not listed as Group 2 or 4 in the OMSP. The study area does not contain suitable habitat for the rayed bean.

ESR Name: LUC-CR 95-1.71 6(f) Replacement

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:
Ecologically Exempt

Species Common Name:	Species Scientific Name:	Listing Status:
Rufa Red Knot	Calidris canutus rufa	Threatened

ESR Name: LUC-CR 95-1.71

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:

Field reconnaissance conducted by CCS personnel on 07/20/2023 did not identify suitable habitat for this species within the project study area. The study area consisted primarily of upland forest, developed open space along the roadways, and limited forested wetlands. A species specific survey was not conducted as part of this report. The Rufa Red Knot is not expected to inhabit the study area.

ESR Name: LUC-CR 95-1.71 6(f) Replacement

Effect Determination: No Effect



Discussion Including impacts to Suitable Habitat:
Ecologically Exempt

Species Common Name:	Species Scientific Name:	Listing Status:
Tricolored Bat	Perimyotis subflavus	Proposed Endangered

ESR Name: LUC-CR 95-1.71

Effect Determination: May Affect, Not Likely to Adversely Affect

Discussion Including impacts to Suitable Habitat:

Based on field reconnaissance conducted by CCS personnel on 07/20/2023, approximately 0.22 acre of wooded habitats are located within the construction limits. The study area contained forested areas on either side of both roads (CR 108 and CR 95). The trees were a mix of healthy and dead and contained roosting habitat. No bridges, structures, or suitable winter hibernaculum areas were found within the study area. Tree removal will only occur between October 1 and March 31 when this species would not be present. All of the pertinent AMMs listed in the OHPBO for Indiana bat and Northern long-eared bat will be followed, which will also protect this species from take. This project May Affect this species but is not going to jeopardize the continued existence of the species. Per the 11/15/2022 letter from USFWS outlining conferencing requirements for this species, this project does not need to be submitted for individual conferencing.

ESR Name: LUC-CR 95-1.71 6(f) Replacement

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:
Ecologically Exempt

Threatened or Endangered Species / State Listed Species:

No state listed species or suitable habitats are impacted by this project location.

ESR Name: LUC-CR 95-1.71

Species Common Name:

Species Scientific Name: Anemone cylindrica

Listing Status: Threatened

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

The construction limits contained approximately 0.22 acre of wooded habitat, as well as a small amount of open, sandy roadside habitat suitable for prairie thimbleweed, but none were observed during the rare plant surveys on 5/22/23, 7/20/23, and 9/5/23. Since the surveys confirmed the absence of this species, the project will have no impact on this species.



Species Common Name: Lyre-leaved Rock Cress

Species Scientific Name: *Arabidopsis lyrata*

Listing Status: Endangered

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

The study area contained suitable habitat for lyre-leaved rock cress, but none were observed during the rare plant surveys on 5/22/23, 7/20/23, and 9/5/23. Since the absence of the species within the study area was confirmed by the surveys, the project will have no impact on this species.

Species Common Name: False Arrow-feather

Species Scientific Name: *Aristida necopina*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Blunt-leaved Milkweed

Species Scientific Name: *Asclepias amplexicaulis*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Fern-leaved False Foxglove

Species Scientific Name: *Aureolaria pedicularia*

Listing Status: Threatened

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

The construction limits contained approximately 0.22 acre of open wooded habitat suitable for fern-leaved false foxglove, but none were observed during the rare plant surveys on 5/22/23, 7/20/23, and 9/5/23. Since the surveys confirmed the absence of this species, the project will have no impact on this species.

Species Common Name: Missouri Rock Cress

Species Scientific Name: *Borodinia missouriensis*

Listing Status: Not Provided - No impact to this species



The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Bebb's Sedge

Species Scientific Name: *Carex bebbii*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Fire Sedge

Species Scientific Name: *Carex lucorum*

Listing Status: Endangered

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

The construction limits contained approximately 0.22 acre of open wooded habitat suitable for fire sedge, but none were observed during the rare plant surveys on 5/22/23, 7/20/23, and 9/5/23. Since the surveys confirmed the absence of this species, the project will have no impact on this species.

Species Common Name: Sweet-fern

Species Scientific Name: *Comptonia peregrina*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Plains Frostweed

Species Scientific Name: *Crocanthemum bicknellii*

Listing Status: Threatened

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

The construction limits contained approximately 0.22 acre of open wooded habitat and a small amount of roadside habitat suitable for plains frostweed, but none were observed during the rare plant surveys on 5/22/23, 7/20/23, and 9/5/23. Since the surveys confirmed the absence of this species, the project will have no impact on this species.



Species Common Name: Canada Frostweed

Species Scientific Name: *Crocanthemum canadense*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Tansy Mustard

Species Scientific Name: *Descurainia pinnata*

Listing Status: Potentially Threatened

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

The study area contains suitable habitat for tansy mustard, but none was observed during rare plant surveys on 5/22/23, 7/20/23, and 9/5/23. Based on the absence of this species during the presence/absence surveys, this project should have no impact on tansy mustard.

Species Common Name: Sessile Tick-trefoil

Species Scientific Name: *Desmodium sessilifolium*

Listing Status: Threatened

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

The construction limits contained approximately 0.22 acre of open wooded habitat and a small amount of roadside habitat suitable for sessile tick-trefoil, but none was observed during the rare plant surveys on 5/22/23, 7/20/23, and 9/5/23. Since the surveys confirmed the absence of this species, the project will have no impact on this species.

Species Common Name: Southern Hairy Panic Grass

Species Scientific Name: *Dichanthelium meridionale*

Listing Status: Threatened

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

The construction limits contained approximately 0.22 acre of open wooded habitat, which contained in some small areas sandy soils suitable for southern hairy panic grass. None was observed during the rare plant surveys on 5/22/23, 7/20/23, and 9/5/23. Since the surveys confirmed the absence of this species, the project will have no impact on this species.



Species Common Name: Early Panic Grass

Species Scientific Name: *Dichanthelium praecocius*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Spathulate-leaved Sundew

Species Scientific Name: *Drosera intermedia*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Variegated Scouring-rush

Species Scientific Name: *Equisetum variegatum*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Rattlesnake-master

Species Scientific Name: *Eryngium yuccifolium*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Carolina Flat-topped Goldenrod

Species Scientific Name: *Euthamia caroliniana*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Prairie Gentian

Species Scientific Name: *Gentiana puberulenta*



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Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Fringed Gentian

Species Scientific Name: *Gentianopsis crinita*

Listing Status: Potentially Threatened

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No

Species Common Name: Porcupine Grass

Species Scientific Name: *Hesperostipa spartea*

Listing Status: Endangered

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

The construction limits contained approximately 0.22 acre of open wooded habitat and a small amount of roadside habitat suitable for porcupine grass, but none was observed during the rare plant surveys on 5/22/23, 7/20/23, and 9/5/23. Since the surveys confirmed the absence of this species, the project will have no impact on this species.

Species Common Name: Canada St. John's-wort

Species Scientific Name: *Hypericum canadense*

Listing Status: Endangered

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No

Species Common Name: Greene's Rush

Species Scientific Name: *Juncus greenei*

Listing Status: Threatened

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

The construction limits contained a small amount of roadside habitat suitable for Greene's rush, but none was observed during the rare plant surveys on 5/22/23, 7/20/23, and 9/5/23. Since the surveys confirmed the absence of this species, the project will have no impact on this species.



Species Common Name: June's Grass

Species Scientific Name: *Koeleria macrantha*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Virginia Dwarf-dandelion

Species Scientific Name: *Krigia virginica*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Hairy Pinweed

Species Scientific Name: *Lechea mucronata*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Leggett's Pinweed

Species Scientific Name: *Lechea pulchella*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Scaly Blazing-star

Species Scientific Name: *Liatris squarrosa*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Dwarf Bulrush



Species Scientific Name: *Lipocarpha micrantha*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Plains Puccoon

Species Scientific Name: *Lithospermum caroliniense*

Listing Status: Threatened

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No

Species Common Name: Wild Lupine

Species Scientific Name: *Lupinus perennis*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Northern Appressed Club-moss

Species Scientific Name: *Lycopodiella subappressa*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Cow-wheat

Species Scientific Name: *Melampyrum lineare*

Listing Status: Threatened

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

The study area contains 0.22 acre of wooded habitat suitable for cow-wheat, but none was observed during rare plant surveys on 5/22/23, 7/20/23, and 9/5/23. Based on the absence of this species during the presence/absence surveys, this project should have no impact on cow-wheat.



Species Common Name: Old-field Toadflax

Species Scientific Name: *Nuttallanthus canadensis*

Listing Status: Endangered

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No

Species Common Name: Mountain Phlox

Species Scientific Name: *Phlox latifolia*

Listing Status: Endangered

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

The construction limits contained a small amount of roadside habitat with partial sun suitable for mountain phlox, but none was observed during the rare plant surveys on 5/22/23, 7/20/23, and 9/5/23. Since the surveys confirmed the absence of this species, the project will have no impact on this species.

Species Common Name: Small Purple Fringed Orchid

Species Scientific Name: *Platanthera psychodes*

Listing Status: Endangered

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No

Species Common Name: Racemed Milkwort

Species Scientific Name: *Polygala polygama*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Gay-wings

Species Scientific Name: *Polygaloides paucifolia*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact



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Species Common Name: Sand Cherry

Species Scientific Name: *Prunus pumila* var. *cuneata*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Hairy Mountain-Mint

Species Scientific Name: *Pycnanthemum pilosum*

Listing Status: Threatened

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

The construction limits contained a small amount of open, sandy woodland edge habitat suitable for hairy mountain-mint, but none were observed during the rare plant surveys on 5/22/23, 7/20/23, and 9/5/23. Since the surveys confirmed the absence of this species, the project will have no impact on this species.

Species Common Name: Long-beaked Willow

Species Scientific Name: *Salix bebbiana*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Northern Blue-eyed-grass

Species Scientific Name: *Sisyrinchium montanum*

Listing Status: Threatened

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

The construction limits contained a 0.22 acre of open wooded habitat suitable for northern blue-eyed-grass, but none were observed during the rare plant surveys on 5/22/23, 7/20/23, and 9/5/23. Since the surveys confirmed the absence of this species, the project will have no impact on this species.

Species Common Name: Lance-leaved Violet

Species Scientific Name: *Viola lanceolata*



Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Birdfoot Violet

Species Scientific Name: *Viola pedata*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Twisted Yellow-eyed-grass

Species Scientific Name: *Xyris torta*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Lark Sparrow

Species Scientific Name: *Chondestes grammacus*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Spotted Turtle

Species Scientific Name: *Clemmys guttata*

Listing Status: Threatened

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No

Species Common Name: Blanding's Turtle

Species Scientific Name: *Emydoidea blandingii*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No



Effect Determination: No Impact

Species Common Name: Unexpected Cynia

Species Scientific Name: Cynia inopinatus

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Persius Dusky Wing

Species Scientific Name: Erynnis persius

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Frosted Elfin

Species Scientific Name: Incisalia irus

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Chalk-fronted Corporal

Species Scientific Name: Ladona julia

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Golden-winged Skimmer

Species Scientific Name: Libellula auripennis

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact



Species Common Name: Four-spotted Skimmer

Species Scientific Name: *Libellula quadrimaculata*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Kirtland's Snake

Species Scientific Name: *Clonophis kirtlandii*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Little Brown Bat

Species Scientific Name: *Myotis lucifugus*

Listing Status: Endangered

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

Based on field reconnaissance conducted by CCS personnel on 07/20/2023, approximately 0.22 acre of wooded habitats are located within the construction limits. The area contained suitable habitat for summer roosting and foraging, but no suitable winter hibernaculum areas were found. This project should have no impact on this species if trees are cleared between October 1 through March 31. A review of the Ohio Department of Natural Resources (ODNR) Division of Wildlife (DOW), Natural Heritage Database (NHDB) Program, dated 06/22/2023, did not identify any records for this species within a 1-mile radius of the project study area. See the NHDB review letter in Appendix 5.

Species Common Name: Blue-spotted Salamander

Species Scientific Name: *Ambystoma laterale*

Listing Status: Endangered

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No

Species Common Name: American Bittern

Species Scientific Name: *Botaurus lentiginosus*

Listing Status: Not Provided - No impact to this species



The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Black Tern

Species Scientific Name: Chlidonias niger

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Common Tern

Species Scientific Name: Sterna hirundo

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: King Rail

Species Scientific Name: Rallus elegans

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Black-crowned Night Heron

Species Scientific Name: Nycticorax nycticorax

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Northern Harrier

Species Scientific Name: Circus cyaneus

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact



Species Common Name: Trumpeter Swan

Species Scientific Name: *Cygnus buccinator*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Sandhill Crane

Species Scientific Name: *Grus canadensis*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Least Bittern

Species Scientific Name: *Ixobrychus exilis*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Spotted Coral-root

Species Scientific Name: *Corallorhiza maculata*

Listing Status: Endangered

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

A flowering stalk of spotted coral-root was observed 26 feet outside the southwestern corner of the study area during the rare plant survey on 7/20/2023. This record was reported to ODNR Chief Botanist Richard Gardner on 7/21/2023. Spotted coral-root orchids have underground, branching rhizomes, and each branching rhizome may produce an individual flowering stem. Each does not produce a stem every year and the entire plant may go unseen for years at a time. Due to the presence of one individual so close to the study area, it is possible other spotted coral-root plants are located within the project study area and evaded detection. The construction limits for the project remain close to the roadway and contain 0.22 acre of wooded habitats which provide suitable habitat for the Spotted coral-root.

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No state listed species or suitable habitats are impacted by this project location.



Remarks:

No additional information.

Agency Coordination

Project Coordination:

Project locations for which no agencies are listed are considered ecologically exempt or non-notifying.

The ODNr and USFWS conditions outlined in the Ecological MOA apply to all projects that are not considered ecologically exempt. These conditions have been evaluated for the project locations listed below.

ESR Name:	Agency:	Submitted for Coordination Date:	Coordination Complete Date:	Were project specific comments received?
LUC-CR 95-1.71	ODNR	11/20/2023	01/04/2024	Yes
	USFWS	11/20/2023	12/04/2023	Yes
LUC-CR 95-1.71 6(f) Replacement	No agency coordination required			

Additional Coordination Considerations:

Are other ecological coordination requirements applicable? No

Remarks:

On November 20, 2023, the ODOT-OES Ecological Staff initiated coordination with ODNr and the USFWS via the Level 1 ESR document. On December 4, 2023, the USFWS determined that this project meets Consultation Category 1 of the 2016 OH PC and is Non-Notifying under the 2016 MOA. Therefore, USFWS has programmatically concurred with ODOT's MANLAA determination, and all ESA section 7 obligations have been fulfilled. On December 20, 2023, ODNr provided comments on listed species within the project area. In accordance with ODNr comments, ODOT will include plan notes to avoid or minimize impacts to listed bat species and Blanding's turtle (*Emydoidea blandingii*) and the spotted turtle (*Clemmys guttata*). Agency Coordination and ODOT's responses can be found in the ESR Tab.

Are there any environmental commitments? Yes



Other Resources

Farmlands

The proposed project is located within an Urbanized Area	No
The proposed project is located within a Non-Urbanized Area	Yes
The proposed project involves new permanent right-of-way (ROW)	Yes
The proposed project involves temporary ROW	No
The proposed project is a type of action listed below and meets allowable ROW thresholds: Bridge replacement requiring ROW of three (3) acres or less to accommodate bridge piers, wingwalls, and/or approach work Widening requiring linear strip ROW of 10 acres or less per linear mile Intersection improvement requiring ROW of three (3) acres or less	Yes
Undeveloped land being used for construction purposes is protected by a conservation easement	No
Based on the scope and type of work, the proposed project is in compliance with the executed Farmland Memorandum of Understanding (MOU), the FPPA, and 7 CFR 658. Completion of the Farmland Conversion Impact Rating (FCIR) Form is not warranted. No further coordination is required.	

OES Concurrence Date 10/28/2024

NRCS Approval Date 10/28/2024

Land being used for the proposed project is part of an Agricultural District No

FCIR Required Completion of the Farmland Conversion Impact Form is required and coordination with
USDA & NRCS is required.

Remarks:

The Census Bureau Urbanized Area Mapping indicates the proposed project is located in a non-urbanized area. 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. Therefore, completion of the Farmland Conversion Impact Rating (FCIR) Form was not warranted and no further coordination is required.

Urbanized Area Mapping can be found in the Project File Other Resources/Farmlands subsection.

Are there any environmental commitments? No

Drinking Water

The proposed project is wholly or partially located within the USEPA designated boundaries
of a Sole Source Aquifer No

Present:

Impacted:



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The proposed project is wholly or partially located within the OEPA designated boundaries of a Source Water Protection Area	No	
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Coordination with the Local Public Water Administrator is required

No

Present:		Impacted:
Residential Wells are present	No	

Remarks:

OEPA Source Water Assessment and Protection Program mapping was reviewed to determine if the project area or Section 6(f) replacement property is located within or in close proximity to public water systems, water source protection areas, or sole source aquifers. Based on review of available mapping, the project is not located within any sole source aquifers, public water systems, or drinking water source protection areas. In addition, a review of the ODNR Water Well Log determined that no water wells are located within the project area.

Related mapping is located in the Project File Other Resources/Drinking Water subsection.

Are there any environmental commitments? No



Section 4(f)

Section 4(f) Determination

Section 4(f) properties are within and/or adjacent to the proposed project area Yes

Concurrence received from the OWJ Yes

Were there multiple OWJs? No

Date concurrence received:

	Present:	Impacted:
Publicly owned Park(s):	No	
Publicly owned recreation facility(ies) and/or area(s):	Yes	Yes
Wildlife and Waterfowl refuge(s):	No	
Historic Site(s):	No	

Identified Section 4(f) Properties

Identified 4(f) Properties

Property Name	Type	Permanent ROW/Easement Acres	Temporary ROW/Easement Acres	4(f) finding	Date
Oak Openings Preserve	Publicly owned Recreational Facility and/or Area	0.12 ac	0 ac	De Minimis	09/05/2024

Remarks:



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Oak Openings Preserve is a publicly-owned wildlife and recreation area and therefore, is protected under Section 4(f) of the Department of Transportation (DOT) Act of 1966. The Preserve, owned and maintained by Metroparks Toledo, is made up of over 5,000 acres and is the largest preserve in the Oak Openings Region. An estimated 0.12 acre of permanent right-of-way will be needed from Oak Openings Preserve in order to construct the proposed roundabout. The impacted areas consist of an open field and woods. None of the Oak Openings Preserve's amenities or features would be impacted by the proposed project, and construction activities will not require closure of the public trails and paths adjacent to the project area. A summary of Section 4(f) activities is provided below.

Official With Jurisdiction (OWJ) Public Involvement:

- March 22, 2024: Clune Consulting Services (CCS) sent an OWJ *de minimis* coordination email to Dave Zenk, the Director of Metroparks Toledo. This email included measures to minimize harm to the Section 4(f) property and maps showing the proposed project impacts.
- April 9, 2024: the Metroparks Toledo sent comments via email to the LCEO regarding the OWJ coordination email. The Metroparks Toledo representatives discussed these comments directly with the LCEO as a follow up to the email.
- May 6, 2024: CCS sent a revised OWJ *de minimis* coordination email to Dave Zenk. The OWJ email was revised based on the discussions between the LCEO and Metroparks Toledo.
- May 31, 2024: Metroparks Toledo emailed LCEO regarding a disagreement about the measures to minimize harm and assessment that the project will have a *de minimis* impact on Oak Openings Preserve. The Metroparks Toledo representatives discussed these comments directly with the LCEO as a follow up to the email.
- June 28, 2024: Dave Zenk emailed a response, concurring with the measures to minimize harm and the assessment of impacts regarding the proposed project.

Public Notice and Comment Period:

- July 26, 2024: Start of the public comment period.
- July 26, 2024: The LCEO posted a press release to the LCEO website describing the project, proposed impacts to the Section 4(f) property, and requesting comments.
- July 29, 2024: Metroparks Toledo posted a press release to their website which described the project, proposed impacts to the Section 4(f) property, and requesting comments.
- August 26, 2024: End of the public comment period. No public comments were received.

A Section 4(f)/6(f) Determination Request Form for Recreational Properties was submitted to ODOT Office of Environmental Services Staff on August 26, 2024. On September 5, 2024, ODOT OES determined that based on the proposed scope of work and the OWJ concurrence received, a *de minimis* impact will occur to Oak Openings Preserve in accordance with 23 CFR 774.

See the Section 4(f) documentation in the Project File Section 4(f)/Reports and Coordination subsection.

Are there any environmental commitments? Yes



Section 6(f)

Section 6(f) Determination

Section 6(f) Determination

	Present:	Impacted:
6(f) Properties:	Yes	Yes

Identified 6(f) Properties

Property Name	Permanent ROW/Easement Acres	Temporary ROW/Easement Acres	6(f) finding	Date
Oak Openings Preserve	0.12 ac	0 ac	Conversion	

Remarks:

Oak Openings Preserve has received Land and Water Conservation Funds (LWCF) for multiple improvements. Therefore, the park is protected under Section 6(f) of the Land and Water Conservation Fund Act of 1965. The proposed project will require 0.12 acre of Oak Openings Preserve to be converted from Oak Openings Preserve ownership to roadway right-of-way. As part of the Section 6(f) process, the Lucas County Engineer's Office has arranged to purchase a 0.0233-acre replacement property directly adjacent to Oak Openings as the converted land. The proposed replacement property is a vacant portion along the eastern boundary of Tax Parcel #7500239 (located on US Hwy 20A) which will be transferred to the park.

The following Section 6(f) coordination was conducted for this project:

- On May 3, 2023, ODNR initiated coordination with the National Parks Service (NPS) on behalf of ODOT and the Lucas County Engineer, with a description of the proposed project, the small conversion required, and the proposed replacement property.
- On May 15, 2023, the National Park Service granted pre-approval of the replacement property stating the replacement property is viable pursuant to 36 CFR 59.3b because it has never been in public ownership, is located adjacent to existing LWCF protected area and meets the equivalent location and usefulness as the converted property.
- On September 5, 2024, ODOT submitted the 6(f) conversion package to ODNR for review and approval.
- On November 12, 2024, ODOT submitted a revised conversion package to ODNR.
- On November 13, 2024, ODNR submitted the conversion package to the NPS.

An environmental commitment will be included in the plans to ensure that final approval from the NPS is received prior to submission of the Project Close Out Package.

See the Section 6(f) documentation in the Project File Section 6(f)/Coordination and Project Information subsections.

Are there any environmental commitments? Yes



Community Impacts

Community Impacts

Will the proposed action comply with the local/regional development patterns for the area? Yes

Remarks:

The project will improve safety at an existing intersection. In addition, the project is listed in the Toledo Metropolitan Area Council of Governments (TMACOG) Regional Transportation Improvement Program (TIP) and is therefore consistent with regional transportation plans. The actions of the proposed project are expected to align with local and regional development patterns and current/planned land uses.

Will the proposed action result in substantial negative impacts to community cohesion? No

Remarks:

The proposed project is not expected to result in substantial negative impacts to community cohesion. The overall impact to the local communities is anticipated to be positive due to improved safety conditions at the Monclova Road and Wilkins Road intersection.

Will the proposed action result in indirect or cumulative impacts? No

Remarks:

The proposed project improves safety at an existing intersection. Therefore, the project is not anticipated to result in indirect or cumulative impacts.

Will the proposed action result in substantial impacts on health and educational facilities, public utilities, fire, police, emergency services, religious institutions, public transportation, pedestrian and bicycle facilities? No

Remarks:

Property owners and local stakeholders have been included throughout the Public Involvement process. See the Public Involvement tab for more details.

Traffic will be detoured around the project area for approximately 45 days during construction. Detour impacts are temporary in nature and the long-term impacts of the proposed project are considered beneficial to the community. The proposed project is not expected to result in substantial impacts to health and educational facilities, public utilities, fire, police, emergency services, religious institutions, or public transportation facilities.

Will the proposed action displace residents, businesses, institutions or farms? No

Remarks:

The project will not result in the displacement of residents, businesses, institutions or farms.

Will the proposed project result in impacts to Underrepresented Populations (Limited English Proficiency, Older Adults, or Adults with Disabilities) raised during Public Involvement? No

Remarks:



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No impacts to Underrepresented Populations were raised during Public Involvement. This project is not expected to adversely impact Underrepresented Populations.

Are there any Environmental Commitments? No



Environmental Justice

Environmental Justice

Identified Environmental Justice Populations

Census Block Group #	% Minority	% Low Income
390950095003	18	11
390950095001	9	19

Are Environmental Justice Populations located within and/or adjacent to the proposed project area? Yes

Are there any relocations? No

Will there be changes to access? No

Will the proposed project result in unanticipated additional impacts to any Environmental Justice Populations? No

Were any concerns related to impacts on Environmental Justice Populations or any other unique factors that could result in a disproportionately high and adverse effect raised during public involvement? No

Remarks:

The project will construct a roundabout at the intersection of Monclova Road and Wilkins Road in Swanton Township, Lucas County, Ohio. No changes in access will occur other than a temporary detour route during construction.

A review of the ODOT Transportation Information Mapping System (TIMS) indicated Environmental Justice (EJ) populations within the proposed project area, including Minority and Low Income populations.

The proposed project will have no disproportionately high and adverse effects to minority or low-income populations based upon the table above and the attached mapping. No concerns related to impacts on Environmental Justice were raised as a result of public involvement activities conducted as part of the proposed project. Therefore, in accordance with the protections of Executive Order 12898 and FHWA Order 6640.23A. Based on the above findings, an EJAR is not required.

Census mapping is located in the Project File Environmental Justice/Project Information subsection.

Are there any Environmental Commitments? No



Public Involvement

Public Involvement

Please provide a summary of the Public Involvement activities that have been conducted for this project. (For example press releases, letters to affected property owners and residents, meetings, special purpose meetings, newspaper articles, etc)

The following public involvement activities occurred for the project:

- May 1, 2023: Property Owner Notification Letters (also serving as right-of-entry) were mailed by the Lucas County Engineer's Office (LCEO) to property owners located adjacent to the project area regarding details of the proposed project.
- January 24, 2024: Project Notification Letters were emailed by the LCEO to local public agencies and emergency service providers regarding details of the project and notice of a vehicular detour.
- July 26, 2024: A Press Release was posted on the LCEO website regarding details of the project, notice of a vehicular detour, and proposed impacts to the Section 4(f)/6(f) property (Oak Openings Preserve).

See the public involvement materials for the project in the Project File Public Involvement/Project Information subsection.

Is there any substantial environmental controversy on environmental grounds?

No

Please summarize the Public Involvement responses received.

One public comment was received on January 24, 2024, from Jeffery Bella, informing the LCEO that the proposed project will not affect Swanton Schools bus stops if the project were to start in June or Early July (construction is scheduled to begin June 1, 2026, at the time of environmental document preparation).

No other public comments were received.

See the comment in the Project File Public Involvement/Project Information subsection as Public Comments Received.pdf.

Are there any Environmental Commitments? No



Permits

Waterway Permits

Are Waterway Permits required? No

ODNR

Shore Structure Permit : No

Remarks:

Waterways (including wetlands) will not be impacted as a result of the proposed project, and the project will not require construction of shore structures. No waterway permits or shore structure permits will be required.

Are there any environmental commitments? No

Storm Water Permits

NPDES Construction General Permit for Stormwater (NOI): Yes

Watershed Specific NPDES Construction General Permit for Stormwater (NOI): No

Remarks:

The proposed project will result in one acre or more of earth-disturbance activities during construction. The Lucas County Engineer's Office will submit a Notice of Intent (NOI) to the OEPA requesting coverage under a National Pollutant Discharge Elimination System (NPDES) General Construction Permit. The contractor will be responsible for developing a Storm Water Pollution Prevention Plan (SWPPP) and obtaining co-permittee coverage under the NPDES General Construction permit issued by OEPA to ODOT, prior to the start of construction.

Are there any environmental commitments? Yes

Floodplains

The proposed project involves encroachment within a Special Flood Hazard Area (SFHA) Yes

EO 11988/NFIP Coordination and Documentation Completed Yes

NFIP Local Floodplain Coordinator Notification Date 12/16/2024

Remarks:

The project is located within a special flood hazard area; Zone A floodplain associated with Gale Run. The Lucas County Engineer's Office initiated coordination with the Local Floodplain Administrator and received the floodplain permit on December 16, 2024. A Floodplain Statement of Findings was posted to the ODOT District 2 website on December 16, 2024.

Are there any environmental commitments? No



Environmental Commitments

Ecological

- 1) The project designer shall incorporate the following note into the plans: The project is located within the known ranges of the state-listed spotted turtle and Blanding's turtle. If a spotted turtle or Blanding's turtle is encountered during construction, workers shall not disturb the turtle but shall allow it to vacate the project area.
- 2) The project designer shall incorporate the following note into the plans. The project is located within the known habitat ranges of the federally listed and protected Indiana bat, northern long-eared bat, and tricolored bat, and the state-listed little brown bat. No trees shall be removed to construct the project 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.

Section 4(f)

- 1) The project designer shall incorporate the following note into the plans: Access to the Wabash-Cannonball Horse Trail Connector and Oak Openings Hiking Trail shall be maintained at all times during construction activities.
- 2) The project designer shall incorporate the following note into the plans: Appropriate signage shall be installed to alert users of the Oak Openings Preserve of construction activities, access restrictions or closures, and to direct users to secondary access points.
- 3) The project designer shall incorporate the following note into the plans: The contractor shall be required to closely coordinate the construction schedule with ODOT, the Lucas County Engineer's Office, and Metroparks Toledo prior to the start of construction activities.
- 4) The project designer shall incorporate the following note into the plans: The staging and/or storage of construction equipment or materials shall not take place outside proposed construction limits that are within the defined boundaries of Oak Openings Preserve.

Section 6(f)

- 1) Upon approval of the Environmental Document by ODOT, ODOT Office of Environmental Services will send the environmental document to the Ohio Department of Natural Resources for final approval from the National Park Service regarding the Section 6(f) Small Conversion. Final approval from NPS, including acquisition of the replacement property, must be received prior to submission of the Plan Package by the Project Manager. Once the County has received concurrence from ODNR and the NPS, the replacement parcel shall be incorporated as recreational land, 6(f) designated property. The proposed replacement property is a 0.0233-acre vacant portion along the eastern boundary of Tax Parcel #7500239 (located on US Hwy 20A) which will be transferred to the park.

Permits - Storm Water Permits

- 1) The Lucas County Engineer's Office shall ensure that a National Pollution Discharge Elimination System (NPDES) permit will be acquired prior to the start of construction.



Preparers and Approvals

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Supporting Form Preparer(s): Brooke Heid

Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Phoenix Meek (PROGRAM ADMIN 3)	1/16/2025



Appendix

General

Aerial Map.pdf
Correspondence with Emergency and Public Services.pdf
County Map.pdf
Detour Mapping.pdf
USGS Quadrangle Topographical Map.pdf

Purpose and Need

District Acceptance - Purpose and Need.pdf

Air

District Determination - No Air Analysis Required.pdf

Noise

District Determination - No Noise Analysis Required.pdf

RMR

District Approval - Screening.pdf

Cultural Resources

Minimal Potential to Cause Effect - Appendix B

Ecological

ODNR Comments
ODNR Scenic River MOA Conditions
USFWS/ODNR Ecological MOA Conditions

Other Resources

Census Bureau Urbanized Area Map.pdf
Water Source Protection Area Map.pdf
Well Log Data.pdf

Section 4(f)

OES Recreational 4(f) Determination.pdf

Section 6(f)

NPS Preliminary Approval - Replacement Property.pdf

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Census Mapping.pdf

Public Involvement

District Approval - Public Involvement Plan.pdf

News Article - WTVG 7.26.24.pdf

Press Release.pdf

Property Owner Notification Letter.pdf

Public Comments Received.pdf

Public Involvement Plan.docx

Website Posting.pdf

Permits

FEMA FIRM.pdf

Floodplain Development Permit.pdf

Statement of Findings.pdf