



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 02
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Environmental Document for **LUC US 23 11.75 Inter-Chng PID 105889** **Environmental Document Level: D1**

Approved: 9/11/2023

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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



General Project Information

Project, Cost Schedule and Work Limits

Environmental Document Level: D1
PID: 105889
Project Name: LUC US 23 11.75 Inter-Chng
Project Sponsor: Sylvania, City of
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
RW	105889: 24-27 STIP
CO	105889: 24-27 STIP
DD	105889: 24-27 STIP

An Interchange Modification/Justification/Operations Study (IMS/IJS/IOS) was completed Yes
Date Completed: 07/20/2023
Project Description:



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The Ohio Department of Transportation (ODOT) proposes to reconstruct an existing interchange facility at the intersection of US 23 and Monroe Street (State Route 51) located in the City of Sylvania, Lucas County, Ohio. The ramps east of US 23 will be significantly reconfigured as the current US 23 northbound off-ramp, US 23 northbound on-ramp from Monroe Street, and the US 23 northbound on-ramp from Alexis Road (State Route 184) will all be removed. New on and off ramps will be constructed inside the current infield area. Alexis Road will be reconfigured to intersect with Monroe Street opposite the new northbound on and off ramps. A U-turn "looon" will also be installed to allow eastbound passenger vehicles (no trucks) to U-turn and head westbound on W Alexis Road. The ramps on the west side of US 23 will be slightly modified to increase the length of the US 23 southbound on-ramp, giving motorists more distance to increase speed and merge with US 23 southbound traffic.

The majority of the proposed work will be within the existing right-of-way for the US 23 interchange and Monroe Street and Alexis Road. The project will require permanent right-of-way from ten (10) parcels totaling 0.973-acre and temporary right-of-way from six (6) parcels totaling 0.142-acre. No displacements are anticipated as a result of the proposed project.

Maintenance of traffic will include constructing the project in five phases. Two through lanes shall be maintained on US-23 in each direction at all times except for short duration lane closures as permitted by the Permitted Lane Closure Schedule. Local traffic shall be maintained to all properties along Monroe Street, Alexis Road, and Acres Road during construction activities.

Utility impacts are anticipated. Minor impacts to streams and wetlands will occur. Stakeholder and public meetings were conducted in 2023 and updated project status information continues to be provided to property owners, stakeholders and the public.

The environmental document and associated studies are being approved using Stage 1 design plans. The Stage 1 Design plans can be found in the Project File under General/Project Information

Limits of Proposed Work: .25m N and S of SR 51 interchange

Start (SLM): 11.25

End (SLM): 12.00

Total Work Length (Miles): 0.75

Roadway Character

Route Number: US00023

Functional Classification: Principal Arterial - Other
Freeway/Expressway (Urban)

Current Average Daily Traffic: 68030

Current Average Daily Traffic Year: 2026

Design Year Average Daily Traffic: 72790

Design Average Daily Traffic Year: 2046

Daily Hourly Volume: 4030

Truck %: 21

Setting: Urban



Topography:

Level

	Existing:	Proposed:
Design Speed (MPH):	70	70
Legal Speed (MPH):	65	65
Number of Lanes:	4	4
Type of Lanes:	Divided Highway	Divided Highway
Pavement Width (ft):	48	48
Shoulder Width (ft):	14	14
Median Width (ft):	74	74
Sidewalk Width (ft):	N/A	N/A

Sufficiency Rating: 084.6

General Rating: 7

Date Built: 07/01/1962

Bridge Location: 0.22 Mi. S. of SR 51

40. Bridge Type: 201N

Sufficiency Rating: 063.0

General Rating: 6

Date Built: 07/01/1960

Bridge Location: Monroe SR 51 over USR 23

40. Bridge Type: 402N

Sufficiency Rating: 075.8

General Rating: 5

Date Built: 07/01/1962

Bridge Location: 0.03 Mile East of USR 23

40. Bridge Type: 201N

Design Criteria For Bridges

SFN: 4801261

Sufficiency Rating: 084.6

General Rating: 7

Date Built: 07/01/1962

Bridge Location: 0.22 Mi. S. of SR 51



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	Existing:	Proposed:
Bridge Type:	201N	201N
Bridge Length (ft):	106	106
Number of Main Spans:	3	3
Max Span Length (ft):	40	40
Load Restrictions (TON):	115	N/A
Curb to Curb Width (ft):	39.60	42
Shoulder Width(ft):	10.27	12
Under Clearance (ft):	10.5	11.3

Bridge Type Description:

The existing bridge is a continuous reinforced concrete slab bridge supported on reinforced concrete substructures. The proposed bridge will be replaced on a new location with a continuous reinforced concrete slab bridge supported by reinforced concrete substructures.

Load Restrictions Description:

The proposed bridge is designed to have 150% of the legal load and will require a design exception.

Will the structure be rehabilitated or replaced as part of the project? Yes

If this bridge is a historic bridge, what type is it? N/A

Remarks:

The US 23 bridge over the Ottawa River (SFN: 4801261) is a 160-foot long three span continuous reinforced concrete slab bridge that was built in 1962. This bridge is not considered eligible for the NRHP based on the *Ohio DOT Historic Bridge Inventory Summary and Table Survey Forms for Eligible/National Register Listed Bridges* prepared by TranSystems Corporation, December 2009 (accepted April 29, 2010).

SFN: 4805224

Sufficiency Rating: 063.0

General Rating: 6

Date Built: 07/01/1960

Bridge Location: Monroe SR 51 over USR 23

	Existing:	Proposed:
Bridge Type:	402N	402N
Bridge Length (ft):	280	280
Number of Main Spans:	4	4
Max Span Length (ft):	87	87
Load Restrictions (TON):	150	N/A
Curb to Curb Width (ft):	54	86
Shoulder Width(ft):	0	2
Under Clearance (ft):	15.1	15.7



Bridge Type Description:

The existing bridge is a continuous steel beam bridge with a non-composite reinforced concrete deck supported by spill-thru stub abutments on piles and concrete cap and column piers on spread footings. The proposed bridge widening work will be a continuous steel beam bridge with a composite reinforced concrete deck supported by semi-integral abutments on piles and modified/widened concrete cap and column piers on spread footings.

Load Restrictions Description:

N/A

Will the structure be rehabilitated or replaced as part of the project?

Yes

If this bridge is a historic bridge, what type is it?

N/A

Remarks:

The Monroe Street bridge over US 23 (SFN: 4805224) is a 280-foot long four span continuous steel beam bridge that was built in 1960. This bridge is not considered eligible for the NRHP based on the *Ohio DOT Historic Bridge Inventory Summary and Table Survey Forms for Eligible/National Register Listed Bridges* prepared by TranSystems Corporation, December 2009 (accepted April 29, 2010).

SFN: 4805135

Sufficiency Rating:

075.8

General Rating:

5

Date Built:

07/01/1962

Bridge Location:

0.03 Mile East of USR 23

	Existing:	Proposed:
Bridge Type:	201N	N/A
Bridge Length (ft):	106	N/A
Number of Main Spans:	3	N/A
Max Span Length (ft):	40	N/A
Load Restrictions (TON):	145	N/A
Curb to Curb Width (ft):	29.60	N/A
Shoulder Width(ft):	8.8	N/A
Under Clearance (ft):	10.5	N/A

Bridge Type Description:

The existing bridge is a continuous reinforced concrete slab bridge supported on reinforced concrete substructures. The existing bridge will be removed as part of the project.

Load Restrictions Description:

a

Will the structure be rehabilitated or replaced as part of the project?

No

If this bridge is a historic bridge, what type is it?

N/A

Remarks:



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The US 23 bridge over the Ottawa River (SFN: 4805135) is a 106-foot long three span continuous reinforced concrete slab bridge that was built in 1960. This bridge will be removed as part of the proposed project. This bridge is not considered eligible for the NRHP based on the *Ohio DOT Historic Bridge Inventory Summary and Table Survey Forms for Eligible/National Register Listed Bridges* prepared by TranSystems Corporation, December 2009 (accepted April 29, 2010).

41. Bridge Length (ft):	106
41. Bridge Length (ft):	280
41. Bridge Length (ft):	106
42. Number of Main Spans:	3
42. Number of Main Spans:	4
42. Number of Main Spans:	3
43. Max Span Length (ft):	40
43. Max Span Length (ft):	87
43. Max Span Length (ft):	40
44. Load Restrictions (TON):	115
44. Load Restrictions (TON):	150
44. Load Restrictions (TON):	145
45. Curb to Curb Width (ft):	39.60
45. Curb to Curb Width (ft):	54
45. Curb to Curb Width (ft):	29.60
Maintenance of Traffic During Construction	
A roadway, bridge or ramp closure is required	Yes
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	Yes
Provisions to accommodate any local special events or festivals will be incorporated into project design	Yes
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:



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MOT will be conducted in phases over two construction seasons. The first season includes two phases. The first phase will shift US23 southbound east on temporary pavement and the US23 southbound ramp will be constructed. Additionally the northbound US23 ramps will outside of existing pavement will be constructed. The River Trail traffic will be detoured during this phase and no lane closures are allowed along Monroe Street or Alexis Road during this phase. During the second phase, the existing US23 southbound ramps will be removed and work on the ramps shall continue. The pedestrian detour for The River Trail will remain in place. During the second construction season and the third MOT phase, work on Monroe Street will begin. Alexis Road will also be closed and a detour will be provided for both Alexis Road and Monroe Street. A local pedestrian detour will also be provided during this third phase. The final phases will accommodate the remaining work to Alexis Road and Monroe Street, including the structure over US23, not completed in the third phase.

Special provisions were incorporated into the MOT plans for the Dana Open.

Are there any Environmental Commitments? No

Right of Way and Utility Involvement

The project requires Permanent Right-of-Way Yes

The project requires Permanent Easement(s) Yes

The project requires Temporary Right-of-Way Yes

Number of parcels impacted by Permanent Right-of-Way: 10

Number of parcels impacted by Temporary Right-of-Way: 6

Approximate acreage of Permanent Right-of-Way needed: 0.973

Approximate acreage of Temporary Right-of-Way needed: 0.142

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:

Permanent and temporary right-of-way will be required for this project.

Utilities located within the project construction limits include:

- Columbia Gas of Ohio (Toledo)
- Toledo Edison
- Buckeye Cable
- Charter Communications
- Frontier
- Northern Buckeye Education Council
- City of Sylvania

No private utilities will be impacted by the proposed project. Utility coordination was initiated with Stage 1 Plan submittal on December 15, 2022. Additional utility coordination will occur through detailed design phases. Following the approval of Stage 2 plans, the design team will begin regular progress meetings with the utilities.



Purpose & Need

Purpose & Need

Project History:

The City of Sylvania is conducting an Interchange Modification Study for the US-23 interchange with Monroe Street and Alexis Road in the City of Sylvania. The study area includes the US-23 interchange with Monroe Street and Alexis Road, Monroe Street from Harroun Road to 0.25 miles east of Acres Road and Alexis Road from Monroe Street to Elliott Drive.

A Feasibility Study for the US 23 & Monroe Street Interchange was prepared by The Mannik & Smith Group in May 2019. The Feasibility Study analyzed the existing transportation network in the study area and discussed alternatives to be advanced for further review. This IMS continues the process of addressing the transportation needs in the study area. The City of Sylvania's local land use and visioning documents that are relevant to this project include the Codified Ordinances of Sylvania (2005), which is the City's Planning and Zoning Code; as well as the City of Sylvania, Ohio Land Use Plan (2010), which provides an overall context for development decisions on issues related to land use, transportation, and community facilities. Lucas County has a long-range transportation plan created by the Toledo Metropolitan Area Council of Governments. This plan, On the Move: 2015-2045 Transportation Plan (Updated in 2020), provides a program of transportation projects, initiatives, and policies that guide public investment to enhance the regional transportation system. Upgrading the US 23 & Monroe Street interchange is listed as a "Committed Project" in this regional planning document.

Purpose Statement:

The purpose of this project is to improve safety, congestion/mobility, facility deficiencies, and active transportation access in the corridor.

Need Element(s):



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Safety: Crash rates at the on/off ramp intersections on Monroe Street are higher than those of nearby local intersections. Between 2014 and 2016, 44 crashes occurred at the southbound on- and off-ramps, and 60 crashes occurred at the NB on- and off-ramps. These two intersections account for 56 percent of the crashes within the Study Area. As such, safety is a primary concern for this project. The ramp barrier on the northbound US-23 off-ramp to Monroe Street shows evidence of unreported fixed-object crashes, which may indicate that the ramp curvature is creating a safety issue due to facility deficiencies.

Congestion/Mobility: Three out of nine intersections in the study area were operating at Level of Service D during one peak period in 2017. Traffic projections indicate that one intersection (Monroe Street & Glasgow Rd/US 23 SB ramps) will reach LOS F in 2045, while three others will reach LOS E. Queueing analyses indicate that four intersections will have vehicles queues that exceed the available storage for one or more lanes in 2025. In addition to congestion concerns, mobility through the interchange area is a concern. On the east side of the project area, Monroe Street and Alexis Road have an acute-angle intersection between the NB US 23 off-ramp/south on-ramp intersection and the north NB US 23 on-ramp intersection. The Monroe Street/Alexis Road intersection creates a weave condition in the middle of the US 23 interchange area, and the adjacent supporting roadway network creates wayfinding challenges through the corridor.

Facility Deficiencies: Four of the five interchange ramps do not meet current geometric design criteria for curvature. There is field evidence that tight curves are leading to unreported fixed-object crashes along these ramps. Traffic signal spacing along the principal arterials of Monroe Street and Alexis Road, including the US 23 ramp terminal intersections, do not meet ODOT's Traffic Engineering Manual design recommendations of one-quarter-mile spacing (1,320 feet). Within the project area, the longest spacing between intersections is 1,200 feet on Monroe Street between the US 23 NB off-ramp/on-ramp terminal intersection and a commercial driveway intersection. The shortest spacing is 380 feet on Alexis Road between the Acres Road intersection and the Monroe Street intersection. Based on traffic analyses, this substandard spacing throughout the study area may be contributing to congestion and crash problems, particularly where intersection queues exceed the distance available between intersections.

Active Transportation Access: Pedestrian facilities are present along most of Monroe Street and Alexis Road, with a notable exception through the Monroe Street/Alexis Road intersection. Where the eastbound traffic splits for Monroe Street and Alexis Road, the sidewalk along the south side of the roadway continues along the Monroe Street alignment and does not provide a connection to the Alexis Road alignment. The nearest pedestrian connection to continue eastbound along Alexis Road requires walking 730 feet southeast along Monroe Street, crossing Monroe Street at the Acres Road/US 23 NB ramp intersection, crossing Acres Road, then walking 360 feet north along Acres Road. This option is also not adequate because there is a 100-foot section of missing sidewalk on Acres Road adjacent to the Acres Road crosswalk. In addition to the missing pedestrian facilities, there are no marked bicycle facilities in the corridor.

Goals and Objectives:

N/A

Summary Statement:

N/A

Logical Termini and Independent Utility:

Harroun Road marks the western terminus and the commercial drive intersection 1,200 feet east of the NB US 23 off-ramp terminal intersection marks the eastern terminus along Monroe Street. The intersection of Elliot Drive marks the eastern terminus on Alexis Road. The northern and southern termini extend approximately 4,000 feet north and south of the Monroe Street overpass on US 23. These termini allow for consideration of a variety of alternatives to address the defined Need Elements. The improvements discussed in this Interchange Modification Study do not require the completion of any other projects and can be made independently of other proposed improvements.



Alternatives

Alternatives

Discuss No Build Alternative:

The No Build Alternative involves no improvements other than routine maintenance and does not satisfy the Purpose and Need of the project because it would not address safety issues at the intersection.

Was a Feasibility Study completed?

Yes

Date Feasibility Study was approved:

05/15/2019

Was an Alternative Evaluation Report (AER) completed?

No

Alternatives Considered

Name	Description	Reason Dismissed	Preferred Alternative
Alt 1 - No Build	Retain existing conditions	Would not correct safety issues and does not meet the purpose and need	No
Alt 2a - Single Point Urban Interchange Offset	2 ramps north of Monroe Street and 2 ramps south of Monroe Street with on and off access to US 23 in both directions; Monroe Street alignment proposed to be offset to the south; Would require construction of 2 new bridges; Would require removal of the signal at the Glasgow Road intersection	Unacceptable intersection operations that would not correct safety issues; Monroe Street bridge impacts; and impacts to Glasgow Road access.	No



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Alt 2b - Single Point Urban Interchange Aligned	2 ramps north of Monroe Street and 2 ramps south of Monroe Street with on and off access to US 23 in both directions; Would maintain existing alignment with Monroe Street; Would require the construction of 2 new bridges; Would require widening of the Monroe Street bridge from 5 to 6 lanes; Would require removal of the signal at the Glasgow Road intersection	Unacceptable intersection operations that would not correct safety issues; Monroe Street bridge impacts, and impacts to Glasgow Road access.	No
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Alt 3a - Roundabout Wide	Two roundabouts: One of which would be located at the Monroe Street & Glasgow/SB US 23 Ramps intersection and will be aligned with the existing roadways and the second roundabout would be located just southeast of the point where Monroe Street meets Alexis Road and will continue with the existing Monroe alignment to the east; South leg of Acres Road along with the west leg of Alexis Road would be removed; South leg of the roundabout will remain an on and off ramp for NB US 23 but would consist of new curvature further north of the existing ramp; NB US 23 On ramp located north of Monroe Street would be removed	Unacceptable intersection operations that would not correct safety issues; right-of-way impacts; changes in access	No
Alt 3b - Roundabout Bow-Tie	Two roundabouts aligned with the existing Monroe Street and interstate ramps; New ramps would have minimal curvature, similar to a basic tight diamond configuration; Alexis Road & Monroe Street will be stop controlled at Alexis Road with Monroe Street flowing freely	Unacceptable intersection operations that would not correct safety issues; right-of-way impacts	No



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Alt 4 - Tight Urban Diamond Interchange	Basic on and off ramp for both directions of US 23 with minimal curvature; Would require two new bridges to be constructed; Would result in the loss of the traffic signal at the Glasgow intersection	Unacceptable intersection operations that would not correct safety issues; Monroe Street bridge impacts; impacts to Glasgow Road access; and poor signal spacing	No
Alt 5a - Hybrid Loop Diamond	Includes a tight diamond where the NB US 23 off ramp will align with the existing NB US 23 on ramp on the north side of Monroe Street and west loop for SB US23 is maintained; To the east of the modified ramp, eastbound vehicles would split to either go eastbound on Alexis Road or southeast bound on Monroe Street; The intersection of Acres and Alexis Road would be expanded and remain signalized; Traffic travelling northwest bound along Monroe Street will be directed north to the Alexis Road and Acres Road intersection	Poor intersection operations that would marginally improve safety issues; Monroe Street bridge impacts; and poor signal spacing	No



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Alt 5b - Hybrid Loop Diamond	Includes a tight diamond where the NB US 23 off ramp will align with the existing NB US 23 on ramp on the north side of Monroe Street and west loop for SB US23 is maintained; East of the interchange, the weave would be eliminated and Monroe Street will curve to the southeast; Acres Road signal will be removed and the north leg of Acres Road will be converted into a right in/right out only access; Alexis Road will end at Monroe Street creating a 3 leg, signalized T-intersection	Poor intersection operations that would marginally improve safety issues; Monroe Street bridge impacts; and poor signal spacing	No
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Alt 5c - Hybrid Loop Diamond	Includes a tight diamond where the NB US 23 off ramp will align with the existing NB US 23 on ramp on the north side of Monroe Street and west loop for SB US23 is maintained; East of the NB US 23 Ramps, all Monroe Street traffic would be routed through the expanded intersection at Acres and Alexis Road; The east signalized intersection would have Monroe Street as the south and west leg, with Acres being the north leg, and Alexis Road being the east leg; Alexis Road would end and become Monroe Street west of the intersection	Poor intersection operations that would marginally improve safety issues; Monroe Street bridge impacts; and poor signal spacing	No
Alt 6 - Diverging Diamond Interchange	Diverting left turning vehicles from the off ramps into the nearside travel lane, and diverting right turning vehicles to channelized right turn lanes outside of the interchange; would require widening of Monroe Street bridge	Unacceptable intersection operations that would not correct safety issues; right-of-way impacts	No



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Alternative A - Hybrid Loop Diamond	NB US 23 off ramp is split in two directions where the left turning vehicles form a tight diamond with the NB US 23 on ramp north of Monroe Street and west loop for SB US23 is maintained; The right turning vehicles coming from the off ramp would be directed to the signalized four leg intersection of Monroe Street and Alexis Road, where Alexis Road will end at Monroe Street; Acres Road signal will be removed and the north leg of Acres Road will become a right in/right out only access; Additional eastbound lane on Monroe Street from west of the Harroun Road intersection all the way up to the intersection of Glasgow Road and Monroe Street, where the additional lane would develop into the eastbound right turn lane for the SB US 23 on ramp	Monroe Street Bridge impacts; and public input	No
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Alternative B - Folded Interchange	Improve the SB US 23 on ramp alignment with Glasgow Road and maintain the west interchange loop. Modify the east interchange ramp to include a large four leg intersection that intersects Monroe Street with Alexis Road and the NB on and off Ramp; Create two signalized intersections on Monroe Street; Additional eastbound lane on Monroe Street from west of the Harroun Road intersection all the way up to the intersection of Glasgow Road and Monroe Street, where the additional lane would develop into the eastbound right turn lane for the SB US 23 on ramp	N/A; Selected as Preferred Alternative	Yes
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Discuss Reasons Alternative Identified as Preferred was selected:



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The determination of the Preferred Alternative is based on meeting the purpose and need of the project along with public input. Regarding safety, future capacity, and the existing deficiencies within the study area, Feasible Alternative B - Folded Interchange addresses the needs of the interchange best.

Alternative B - Folded Interchange addresses the following concerns of the interchange:

- Number of signalized intersections is reduced from three (3) intersections to two (2).
- Capacity operation will be improved for the transportation network and all intersections are expected to operate at an acceptable Level of Service (A-D)
- Maintains the existing width of the Monroe Street Bridge that will be re-decked in 2021.
- Improves navigability and beautification of the interchange by centralizing US-23 access points to one intersection each for NB and SB US-23
- The single access point to Monroe Street from Glasgow Road will be maintained and improves ramp curvature while maintaining the existing Glasgow alignment with Monroe Street
- The SB US-23 ramp curvature will be improved to a safer design speed
- The NB US-23 on ramp will be converted to a loop ramp with a sufficient curvature and design speed.
- Delay at Acres Road will be minimized by removing the traffic signal and eliminating the NB approach.
- **Minimizes right-of-way impacts to the properties adjacent to the interchange**
- Minimizes any environmental impacts to the nearby floodplains and wetland

In addition, the improvements to widen Monroe Street beginning at Harroun Road are expected to improve the overall operation of several signalized intersections along Monroe Street. These improvements will ensure that the entire interchange is operating as efficiently as possible.



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	No
The proposed project involves adding capacity, a new interchange, relocating thru lanes significantly closer to sensitive areas, or expanding an intermodal center	No
Design Year ADT is <140,000	Yes

Remarks:

This project does not add capacity, a new interchange, or a new road on new alignment. Hence, this project will not result in any meaningful changes in traffic volume, vehicle mix, location of the existing facility, or any other factor that would cause an increase in emissions impacts relative to the no-build alternative. As such, FHWA has determined that this project will generate minimal air quality impacts for Clean Air Act criteria pollutants and has not been linked with any special MSAT concerns. The project is also exempt under 40 CFR 93.126 - Project that will correct, improve, or eliminate a hazardous location or feature, pavement resurfacing and/or rehabilitation, and Transportation Enhancement Activities. Consequently, this effort is exempt from analysis for MSATs. ODOT-OES approved no air analysis was required on September 7, 2023.

Particulate Matter 2.5 (PM2.5)

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

Lucas County is in attainment for particulate matter (PM2.5). Because the project is not located in a PM2.5 non-attainment area, analysis for PM2.5 is not required. ODOT-OES approved no air analysis was required on September 7, 2023.

Carbon (CO)

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

The proposed project is in an Ozone non-attainment or maintenance area	No
The proposed project is listed on the TIP	Yes

Remarks:



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Lucas County is in attainment for Ozone. Because the project is not located in a Ozone non-attainment area, analysis for Ozone is not required.

The project was included in the air quality analysis for the Toledo Metropolitan Area Council of Governments' FY2021-2024 Transportation Improvement Plan (TIP) and Draft FY-2024-2027 TIP.

Greenhouse Gas

A Quantitative Greenhouse Gas (GHG) Analysis is required

No

Remarks:

A quantitative greenhouse gas analysis is not required.

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:

Noise sensitive land uses within 500 feet of the proposed project area consist of residential properties. The project does not qualify as a Type I project for noise (i.e. not adding capacity to thru lanes, not moving thru travel lanes equal to or greater than 50% closer to noise sensitive areas) therefore a noise analysis is not required for the project under 23 CFR 772. ODOT-OES approved no noise analysis was required on September 7, 2023.

Environmental Commitments

Are there any environmental commitments? No



ESA

ESA

Does the project require any Permanent ROW or Easement?: Yes

ESA Screening Report was completed by District Staff No

Date of ESA Screening IOC from OES: 05/18/2023

Do any sites require a Phase 1 ESA, Phase 2 ESA, or plan note according to the IOC from OES? Yes

Sites that require Phase 1 ESA, Phase 2 ESA, or Plan Note

Site Name	Address	Phase 1 Required?	Phase 2 Required?	Plan Note Required?
RM-002	6127 Monroe Street	No	No	Yes

Remarks:

Lawhon & Associates, Inc. conducted Regulated Materials Review for the project corridor in April 2023 which was conducted in accordance with the February 2023 Ohio Department of Transportation Office of Environmental Services (ODOT-OES) Regulated Materials Review Manual. In correspondence dated May 18, 2023, OES recommended a PCS Plan Note for site RM-002 (6127 Monroe Street). The RMR documentation can be found in the Project File under the ESA/Project Information and Reports.

According to the IOC from OES does the project require any Environmental Commitments (plan notes and/or other coordination)? Yes



Cultural Resources

Cultural Properties Present

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

A Section 106 Scoping Request form was prepared by Lawhon & Associates on January 30, 2023. The request for review included a review of electronic data from Ohio's State Historic Preservation Office (OSHP) GIS database. The GIS database identifies properties listed on or eligible for the National Register of Historic Places (NRHP), Ohio Historic Inventory (OHI) buildings and structures, Ohio Archaeological Inventory (OAI) sites, as well as properties that have previously received a Determination of Eligibility (DOE). No previously recorded resources were identified in the project area.

ODOT-OES prepared an archaeological resources field review on February 28, 2023, and a Phase 1 History/Architecture survey, dated April 11, 2023. The History/Architecture survey identified 2 resources in the Area of Potential Effects. In a memo-to-file dated March 27, 2023, ODOT-OES concluded no significant archaeological sites will be affected by the proposed interchange improvement project and no further archaeological investigations are recommended. In April 13, 2023, IOC ODOT-OES concluded there are no History/Architecture resources in the Area of Potential Effects that are listed in or eligible for the National Register of Historic Places, and no further investigations are warranted.

A Section 106 Scoping Request form was prepared by ODOT D2 on July 17, 2023 for the addition of the U-turn "loon" that would allow eastbound passenger vehicles (no trucks) to U-turn and head westbound on W Alexis Road. A memo regarding the History/Architecture for the revised APE was written on July 24, 2023. On August 9, 2023, the Ohio SHPO concluded no historic properties will be affected.

Based on the results of the cultural resource reviews, no further cultural resource investigations are warranted.

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

OES Approval/OSHP) Concurrence Date: 04/14/2023

Remarks:

In accordance with 36 CFR 800.4(d)(1) and the Section 106 Programmatic Agreement (Agreement No. 19319) executed November 18, 2017 and amended on July 11, 2019, ODOT-OES has determined that "no historic properties affected" is the appropriate finding for the proposed LUC-23-11.75 (PID 105889) interchange improvement project based on the following:

1. No history architecture properties listed in or eligible for listing in the National Register of Historic Places will be affected by the undertaking.
2. Based on the disturbed conditions documented in the proposed project area, no significant archaeological deposits will be affected by the project.

No further investigations are warranted. Coordination with SHPO was initiated on 4/14/2023 and no response was received within 15 days. On August 9, 2023, the Ohio SHPO concluded no historic properties will be affected under the re-eval for the U-turn "loon." This concludes the Section 106 review process. The Section 106 documentation may be found in the project file under Cultural Resources section.

What is the Section 106 effect determination in the OES Transmittal? No Historic Properties Affected

Archaeological Resource Adverse Effect



History/Architecture Adverse Effect

Tribal Consultation

Tribal Consultation Summary/Remarks:

Tribal coordination was initiated on April 17, 2023, with the Absentee-Shawnee Tribe, Citizen Potawatomi Nation, Delaware Nation, Delaware Tribe, Eastern Shawnee Tribe, Forest County Potawatomi, Miami Tribe, Ottawa Tribe, Peoria Tribe, Pokagon Band Potawatomi, Seneca Nation, The Shawnee Tribe, and Wyandotte Nation.

The Forest County Potawatomi offers no objection to the project. However, in the event an Inadvertent Discovery (ID) occurs at any phase of a project or undertaking as defined, and human remains or archaeologically significant materials are exposed as a result of project activities, work should cease immediately. The Forest County Potawatomi Tribe(s) must be included with the SHPO in any consultation regarding treatment and disposition of an ID find. See the Forest County Potawatomi correspondence, dated April 18, 2023, with its comments on the project in the Project File/Cultural Resources/Coordination subsection.

Wyandotte Nation offers no objection to the project. See the Wyandotte Nation correspondence, dated April 19, 2023, with its comments on the project in the Project File/Cultural Resources/Coordination subsection.

Seneca Nation offers no objection to the project. See the Seneca Nation correspondence, dated April 20, 2023, with its comments on the project in the Project File/Cultural Resources/Coordination subsection.

The Miami Tribe of Oklahoma offers no objection to the project as it is not currently aware of existing documentation directly linking a specific Miami cultural or historic site to the project site. However, as this site is within the aboriginal homelands of the Miami Tribe, if any human remains or Native American cultural items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) or archaeological evidence is discovered during any phase of this project, the Miami Tribe requests immediate consultation with the entity of jurisdiction for the location of discovery. See the Miami Tribe of Oklahoma correspondence, dated April 25, 2023, with its comments on the project in the Project File/Cultural Resources/Coordination subsection.

No comment or objection was received from the Absentee-Shawnee Tribe, Citizen Potawatomi Nation, Delaware Nation, Delaware Tribe, Eastern Shawnee Tribe, Ottawa Tribe, Peoria Tribe, Pokagon Band Potawatomi, and The Shawnee Tribe within the 30-day review/comment period.

Coordination for the addition of the U-turn "loon" was initiated on July 26, 2023 with the Delaware Nation, the Delaware Tribe, the Forest County Potawatomi, the Miami Tribe, the Seneca Nation, the Shawnee Tribe, and the Wyandotte Nation.

The Delaware Tribe offers no objection to the additional area. See the Delaware Tribe correspondence, dated July 26, 2023, with its comments on the project in the Project File/Cultural Resources/Coordination subsection.

Seneca Nation offers no objection to the additional area. See the Seneca Nation correspondence, dated August 7, 2023, with its comments on the project in the Project File/Cultural Resources/Coordination subsection.

The Delaware Nation offers no objection to the additional area. See the Delaware Nation correspondence, dated August 10, 2023, with its comments on the project in the Project File/Cultural Resources/Coordination subsection.

The Shawnee Tribe offers no objection to the additional area. See the Shawnee Tribe correspondence, dated August 30, 2023, with its comments on the project in the Project File/Cultural Resources/Coordination subsection.

No comment or objection was received from the Forest County Potawatomi, the Miami Tribe, and the Wyandotte Nation within the 30-day review/comment period.



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Environmental Commitments

Are there any Environmental Commitments? No



Ecological

ESR

ESR Name:	ESR Type:	Coordination Complete Date:
LUC-US23-11.75	Level 1	7/24/2023
LUC-US23-11.75 Additional Area	Ecologically Exempt	9/11/2023

Wetlands

ESR Name:	Wetland ID:	Hydrologic connection:	Wetland category:	Estimated total size (ac.):	Total estimated impact area by alternative (ac.):
LUC-US23-11.75	Wetland A	Adjacent	Category 1	0.024	0
	Wetland B	Adjacent	Category 1	0.066	0.066
	Wetland C	Adjacent	Category 1	1.310	0.115

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

Total impact to all wetlands (ac.): 0.181

Total acres of non-isolated wetlands impacted: 0.181

Total acres of isolated wetlands impacted: 0

In accordance with Executive Order 11990 - USDOT Order 5660.1A, this Wetland Finding has been prepared to document that wetlands have been avoided to the extent possible to minimize the long and short term adverse impacts associated with the destruction or modification of wetlands, and to document that there are no practicable alternatives to avoid construction in wetlands.

An analysis of the 'Do Nothing' alternative indicates that it is not practicable because (check all that apply):

It Would Not Correct Safety Hazards.

An analysis of improvements that avoid all wetland impacts indicates that they are not practicable because (check all that apply):

They Will Substantially Increase Project Costs.

They Will Result in Unique Engineering, Traffic, Maintenance, or Safety Problems.

Include justification supporting the decisions noted above:



Due to the proximity of the wetlands to the proposed existing NB exit ramp demolition and new entrance NB entrance ramp construction, avoidance would require retaining walls, which would substantially increase project costs, or unique bridge design. As design work continues, further reductions in wetland impacts will be assessed to the extent possible.

All practicable measures have been considered and incorporated into the project design to avoid, minimize, wetland impacts. The wetland impact minimization measures that will be followed for the project are documented in the environmental commitments for the project. Wetland mitigation for unavoidable impacts will be provided if required by the Clean Water Act or Ohio isolated wetland law, as regulated by the US Army Corps of Engineers and Ohio EPA regulations (33 CFR parts 325 and 332 and 40 CFR part 230, and OAC 3745-01-54), and (ORC 6111.027). No practicable alternatives exist for the proposed construction in wetlands, and the proposed action includes all practicable measures to minimize harm to the wetlands that may result from such use.

Remarks:

Based on the field surveys, three wetlands were identified within the project area and two of those identified will be impacted by the project (see table above). All wetlands identified were provisionally classified as Category 1 wetlands. Wetland A and Wetland B are adjacent to Stream 1 and Wetland C is adjacent to the Ottawa River. The 'Do Nothing' alternative would not satisfy the purpose and need of the project to address the deficient structure and would result in impacts to the traveling public and the general welfare of the economy of the area. Avoidance of the wetland locations will be performed to the maximum extent practicable. Wetland avoidance would result in unique engineering, traffic, maintenance, or safety problems. Mitigation for wetland impacts will be performed per the requirements of the waterway permit. The ESR can be found in the project file under Ecological/Reports and the Wetland Finding can be found under Ecological/Project Information.

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-US23-11.75	Stream 1	No	Small Drainage Warmwater (Class II)	General High Quality Water	565
	Stream 2	No	Small Drainage Warmwater (Class II)	General High Quality Water	275
	Ottawa River	No	WWH	General High Quality Water	260

Total impact length (ft.) to perennial streams: 825

Total impact length (ft.) to intermittent streams: 275

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



Remarks:

Based on the results of the field surveys, three streams were identified in the proposed project area (see table above). Stream 1 and Stream 2 both flow into the Ottawa River. The Ottawa River is a TNW. The impacts are anticipated to consist of placement of fill materials within the river channel and placement of materials on the river banks to prepare for construction of the new bridges and removal of the existing bridges. The placement of fill material will likely consist of rock channel protection, and other various clean non-erodible fill materials necessary for the construction of temporary work pads, support abutments, piers, and stream bank protection in the vicinity of construction activities. Additional impacts anticipated include culvert construction. Impacts to the streams will be permitted and mitigated per the requirements of 404/401 Clean Water Act (see the Permitting tab for more information).

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:

Based on the results of the field survey no other surface waters were identified in 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-US23-11.75	Marsh - MA - (Wetland Dominated by Submergent, Floating, and/or Emergent Vegetation)	Intermediate Disturbance (Dominated by Plants that Typify a Stable Phase of a Native Community that Persists Under Some Disturbance)	No	0.473	0.181



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	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	7.953	6.568
	Developed, Low Intensity (DL) - Includes Areas with a Mixture of constructed Materials and Vegetation. Impervious Surfaces Account for 20-49% of Total Cover. These Areas Most Commonly Include Single-Family Housing Units.	Intermediate Disturbance (Dominated by Plants that Typify a Stable Phase of a Native Community that Persists Under Some Disturbance)	No	7.136	3.189
	Open Water - All Areas of Open Water, Generally with Less Than 25% Cover of Vegetation or Soil.	Intermediate Disturbance (Dominated by Plants that Typify a Stable Phase of a Native Community that Persists Under Some Disturbance)	No	0.498	0.418
	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.	High Disturbance (Dominated by Widespread Taxa Not Typical of a Particular Community)	No	55.825	32.943

Remarks:

Based on the results of the field surveys, terrestrial habitat within the project area consists of open water, marsh, upland forest, high intensity developed, and low intensity developed. No unique or high quality terrestrial habitat occur in the project area.

Threatened or Endangered Species / Federally Listed Species

Species Common Name:	Species Scientific Name:	Listing Status:
Indiana Bat	Myotis sodalis	Endangered

ESR Name: LUC-US23-11.75

Effect Determination: May Affect, Likely to Adversely Affect

Discussion Including impacts to Suitable Habitat:

The project is not located within a bat buffer. No individual bats were observed. No known hibernacula



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exist within or near the study area. A total of 7.953 ac of SWH was observed in the study area, 6.568 ac of which will be impacted. A total of 2.104 ac of SWH observed 100 ft from edge of pavement will be impacted. A total of 0.003 ac of SWH observed between 100 ft and 300 ft from edge of pavement and within 50 ft of a perennial stream will be impacted. Due to significant figure restrictions, this number has been rounded to 0.01 ac in the above reference. A total of 4.080 ac of SWH observed between 100 ft and 300 ft from edge of pavement not within 50 ft of a perennial stream will be impacted. The entire 0.381 ac of SWH observed greater than 300 ft from edge of pavement will be impacted. One PMRT was observed. Only PMRT 1 is located more than 100 ft from edge of pavement and displayed suitable habitat and solar exposure for PMRT status. Bridge inspections of the LUC-23-11650 L, LUC-23-11650 R, and LUC-184-00210 R showed no evidence of bats and intense human disturbance as a result of the River Trail which the bridges span. All tree removal will occur between October 1 and March 31 to protect these species during their summer roosting period.

ESR Name: LUC-US23-11.75 Additional Area

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-US23-11.75

Effect Determination: May Affect, Likely to Adversely Affect

Discussion Including impacts to Suitable Habitat:

The project is not located within a bat buffer. No individual bats were observed. No known hibernacula exist within or near the study area. A total of 7.953 ac of SWH was observed in the study area, 6.568 ac of which will be impacted. A total of 2.104 ac of SWH observed 100 ft from edge of pavement will be impacted. A total of 0.003 ac of SWH observed between 100 ft and 300 ft from edge of pavement and within 50 ft of a perennial stream will be impacted. Due to significant figure restrictions, this number has been rounded to 0.01 ac in the above reference. A total of 4.080 ac of SWH observed between 100 ft and 300 ft from edge of pavement not within 50 ft of a perennial stream will be impacted. The entire 0.381 ac of SWH observed greater than 300 ft from edge of pavement will be impacted. One PMRT was observed. Only PMRT 1 is located more than 100 ft from edge of pavement and displayed suitable habitat and solar exposure for PMRT status. Bridge inspections of the LUC-23-11650 L, LUC-23-11650 R, and LUC-184-00210 R showed no evidence of bats and intense human disturbance as a result of the River Trail which the bridges span. All tree removal will occur between October 1 and March 31 to protect these species during their summer roosting period.

ESR Name: LUC-US23-11.75 Additional Area

Effect Determination: No effect

Discussion Including impacts to Suitable Habitat:
Ecologically Exempt

Species Common Name:	Species Scientific Name:	Listing Status:
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Species of Concern



ESR Name: LUC-US23-11.75

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:

No known nests exist in or near the study area. No nests were observed in or near the study area during field work. Mature trees are present in the study area, especially in the eastern infield. The Ottawa River might offer marginal foraging habitat for the species. This project is not within a known eagle nest buffer and will not take an eagle nest.

ESR Name: LUC-US23-11.75 Additional Area

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-US23-11.75

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:

Wetlands A, B, and C and their surrounding habitat all offer marginally suitable habitat to the species. However, the study area is not within a USFWS range polygon for the species.

ESR Name: LUC-US23-11.75 Additional Area

Effect Determination: No effect

Discussion Including impacts to Suitable Habitat:
Ecologically Exempt

Species Common Name:	Species Scientific Name:	Listing Status:
Eastern Prairie Fringed Orchid	Platanthera leucophaea	Threatened

ESR Name: LUC-US23-11.75

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:

No mesic areas with little to no woody and/or invasive herbaceous competition was observed in the study area. All wetlands within the project area have woods surrounding them, and do not offer full sun. There is no record of this species within 1 mile of the project area. As proposed, this project will have no effect on the Eastern Prairie Fringed Orchid.



ESR Name: LUC-US23-11.75 Additional Area

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-US23-11.75

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:
The OHND response included in the associated appendices show records of wild lupine in the study area. A survey was conducted for the plant (see the State Listed Species section) on 5/15/23, and found no individuals of wild lupine. As such, there will be no impacts habitat suitable for the Karner Blue Butterfly.

ESR Name: LUC-US23-11.75 Additional Area

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-US23-11.75

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:
No shore habitat is present in the study area. As proposed, this project will have no impact to the piping plover.

ESR Name: LUC-US23-11.75 Additional Area

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-US23-11.75

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:

Mussel presence is to be assumed in the Ottawa River. The Ottawa River is a Group 3 Stream and federally listed species are not expected.

ESR Name: LUC-US23-11.75 Additional Area

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-US23-11.75

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:

No shore habitat is present in the study area. Construction limits are not along the shores of Lake Erie. As proposed, this project will have no effect on the Rufa red knot.

ESR Name: LUC-US23-11.75 Additional Area

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-US23-11.75

Effect Determination: May Affect, Likely to Adversely Affect

Discussion Including impacts to Suitable Habitat:

No hibernacula were noted in the study area. A total of 6.568 ac of forest suitable as habitat will be impacted by construction. All tree removal will occur between October 1 and March 31 when the species would not be present. 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



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submitted for individual conferencing.

ESR Name: LUC-US23-11.75 Additional Area

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-US23-11.75

Species Common Name: Wild lupine

Species Scientific Name: *Lupinus perennis*

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:

Records for the species exist in the study area (Appendix 5). Suitability of habitat for all state listed plants within 1 mile of the site was evaluated together given the similar requirements for each species. A map displaying areas denoted as marginally suitable and suitable for the state listed plants of interest is provided in Figure 7. These areas had similar vegetation and conditions, but the marginally suitable areas generally had higher amounts of aggressive cool season introduced plants and compacted soils. The suitable areas had soils that appeared more intact and suitable for the state listed plants, with higher amounts of less aggressive native vegetation. Generally, dominant herbaceous species encountered included: *Carex blanda*, *Cirsium arvense*, *Dipsacus fullonum*, *Festuca rubra*, *Glechoma hederacea*, *Hesperis matronalis*, *Lolium perenne*, *Mondarda fistulosa*, and *Rudbeckia hirta*. Before the survey, both surveyors studied citizen science photographs from iNaturalist of the species of interest taken at the phenological stage the plant was to be expected to be encountered in. For Wild Lupine, this stage was peak flower. A directed meander survey for the species was conducted throughout the entirety of the areas mapped as suitable and marginally suitable, with extra attention given to the suitable areas on 5/15/2023. This survey lasted for 4 hours with two surveyors, giving a total of 8 person-hours spread across the areas denoted in Figure 7. The species was not observed in the study area. Given the absence of the species from the study area, there will be no impacts to the species.

Species Common Name: Prairie thimbleweed

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:

Records for the species exist near the study area (Appendix 5). Suitability of habitat for all state listed plants within 1 mile of the site was evaluated together given the similar requirements for each species. A map displaying areas



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denoted as marginally suitable and suitable for the state listed plants of interest is provided in Figure 7. These areas had similar vegetation and conditions, but the marginally suitable areas generally had higher amounts of aggressive cool season introduced plants and compacted soils. The suitable areas had soils that appeared more intact and suitable for the state listed plants, with higher amounts of less aggressive native vegetation. Generally, dominant herbaceous species encountered included: *Carex blanda*, *Cirsium arvense*, *Dipsacus fullonum*, *Festuca rubra*, *Glechoma hederacea*, *Hesperis matronalis*, *Lolium perenne*, *Mondarda fistulosa*, and *Rudbeckia hirta*. Before the survey, both surveyors studied citizen science photographs from iNaturalist of the species of interest taken at the phenological stage the plant was to be expected to be encountered in. For Prairie Thimbleweed, this stage was a basal rosette of distinct leaves. A directed meander survey for the species was conducted throughout the entirety of the areas mapped as suitable and marginally suitable, with extra attention given to the suitable areas on 5/15/2023. This survey lasted for 4 hours with two surveyors, giving a total of 8 person-hours spread across the areas denoted in Figure 7. The species was not observed in the study area. Given the absence of the species from the study area, there will be no impacts to the species.

Species Common Name: Southern hairy rock cress

Species Scientific Name: *Arabis pycnocarpa* var. *adpressipilis*

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:

Records for the species exist near the study area (Appendix 5). Suitability of habitat for all state listed plants within 1 mile of the site was evaluated together given the similar requirements for each species. A map displaying areas denoted as marginally suitable and suitable for the state listed plants of interest is provided in Figure 7. These areas had similar vegetation and conditions, but the marginally suitable areas generally had higher amounts of aggressive cool season introduced plants and compacted soils. The suitable areas had soils that appeared more intact and suitable for the state listed plants, with higher amounts of less aggressive native vegetation. Generally, dominant herbaceous species encountered included: *Carex blanda*, *Cirsium arvense*, *Dipsacus fullonum*, *Festuca rubra*, *Glechoma hederacea*, *Hesperis matronalis*, *Lolium perenne*, *Mondarda fistulosa*, and *Rudbeckia hirta*. Before the survey, both surveyors studied citizen science photographs from iNaturalist of the species of interest taken at the phenological stage the plant was to be expected to be encountered in. For Southern Hairy Rock Cress, this stage was peak flower. A directed meander survey for the species was conducted throughout the entirety of the areas mapped as suitable and marginally suitable, with extra attention given to the suitable areas on 5/15/2023. This survey lasted for 4 hours with two surveyors, giving a total of 8 person-hours spread across the areas denoted in Figure 7. The species was not observed in the study area. Given the absence of the species from the study area, there will be no impacts to the species.

Species Common Name: Rough pennyroyal

Species Scientific Name: *Hedeoma hispida*

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:

Records for the species exist near the study area (Appendix 5). Suitability of habitat for all state listed plants within 1 mile of the site was evaluated together given the similar requirements for each species. A map displaying areas denoted as marginally suitable and suitable for the state listed plants of interest is provided in Figure 7. These areas had similar vegetation and conditions, but the marginally suitable areas generally had higher amounts of aggressive cool season introduced plants and compacted soils. The suitable areas had soils that appeared more intact and suitable for the state listed plants, with higher amounts of less aggressive native vegetation. Generally, dominant herbaceous species encountered included: *Carex blanda*, *Cirsium arvense*, *Dipsacus fullonum*, *Festuca rubra*, *Glechoma hederacea*, *Hesperis matronalis*, *Lolium perenne*, *Mondarda fistulosa*, and *Rudbeckia hirta*. Before the



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survey, both surveyors studied citizen science photographs from iNaturalist of the species of interest taken at the phenological stage the plant was to be expected to be encountered in. For Southern Rough Pennyroyal, this stage was budding/early flowering. A directed meander survey for the species was conducted throughout the entirety of the areas mapped as suitable and marginally suitable, with extra attention given to the suitable areas on 5/15/2023. This survey lasted for 4 hours with two surveyors, giving a total of 8 person-hours spread across the areas denoted in Figure 7. The species was not observed in the study area. Given the absence of the species from the study area, there will be no impacts to the species.

Species Common Name: Canada frostweed

Species Scientific Name: *Crocanthemum canadense*

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:

Records for the species exist near the study area (Appendix 5). Suitability of habitat for all state listed plants within 1 mile of the site was evaluated together given the similar requirements for each species. A map displaying areas denoted as marginally suitable and suitable for the state listed plants of interest is provided in Figure 7. These areas had similar vegetation and conditions, but the marginally suitable areas generally had higher amounts of aggressive cool season introduced plants and compacted soils. The suitable areas had soils that appeared more intact and suitable for the state listed plants, with higher amounts of less aggressive native vegetation. Generally, dominant herbaceous species encountered included: *Carex blanda*, *Cirsium arvense*, *Dipsacus fullonum*, *Festuca rubra*, *Glechoma hederacea*, *Hesperis matronalis*, *Lolium perenne*, *Mondarda fistulosa*, and *Rudbeckia hirta*. Before the survey, both surveyors studied citizen science photographs from iNaturalist of the species of interest taken at the phenological stage the plant was to be expected to be encountered in. For Canada Frostweed, this stage was peak flower. A directed meander survey for the species was conducted throughout the entirety of the areas mapped as suitable and marginally suitable, with extra attention given to the suitable areas on 5/15/2023. This survey lasted for 4 hours with two surveyors, giving a total of 8 person-hours spread across the areas denoted in Figure 7. The species was not observed in the study area. Given the absence of the species from the study area, there will be no impacts to the species.

Species Common Name: Plains puccoon

Species Scientific Name: *Lithospermum carolinense*

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:

Records for the species exist near the study area (Appendix 5). Suitability of habitat for all state listed plants within 1 mile of the site was evaluated together given the similar requirements for each species. A map displaying areas denoted as marginally suitable and suitable for the state listed plants of interest is provided in Figure 7. These areas had similar vegetation and conditions, but the marginally suitable areas generally had higher amounts of aggressive cool season introduced plants and compacted soils. The suitable areas had soils that appeared more intact and suitable for the state listed plants, with higher amounts of less aggressive native vegetation. Generally, dominant herbaceous species encountered included: *Carex blanda*, *Cirsium arvense*, *Dipsacus fullonum*, *Festuca rubra*, *Glechoma hederacea*, *Hesperis matronalis*, *Lolium perenne*, *Mondarda fistulosa*, and *Rudbeckia hirta*. Before the survey, both surveyors studied citizen science photographs from iNaturalist of the species of interest taken at the phenological stage the plant was to be expected to be encountered in. For Plains Puccoon, this stage was peak flower. A directed meander survey for the species was conducted throughout the entirety of the areas mapped as suitable and marginally suitable, with extra attention given to the suitable areas on 5/15/2023. This survey lasted for 4 hours with two surveyors, giving a total of 8 person-hours spread across the areas denoted in Figure 7. The species was not observed in the study area. Given the absence of the species from the study area, there will be no impacts to the species.



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impacts to the species.

Species Common Name: Least darter

Species Scientific Name: *Etheostoma microperca*

Listing Status: Species of Concern

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

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

The North Branch Tenmile Creek record for least darter is a much smaller drainage area system and appears to have a large coverage of instream wetlands and aquatic vegetation at the location of the 2001 record based on aerial imagery. The portion of the Ottawa River in the study area is a much higher drainage area system, with no in stream wetlands or aquatic vegetation. Additionally, the portion of the Ottawa River in the study area is a fairly high velocity section of a stream with no pools that are particularly suitable for spawning or foraging. Therefore this project will have no impact on the least darter.

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:

No hibernacula or man made structures suitable for use were noted in the study area. A total of 6.568 ac of forest will be impacted by construction. All tree removal will occur between October 1 and March 31 when the species would not be present. There will be no impacts to the species.

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: Spotted turtle

Species Scientific Name: *Clemmys guttata*

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:



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Wetlands A, B, and C, as well as the various streams/roadside ditches in the study area offer marginal habitat for the species. There is no record of this species within 1 mile of the project area. This species prefers muddy stream bottoms and the streams within the project area are coarser. Wetlands A and B, and Stream 1 are enclosed within an interchange and upstream stream 1 is culverted, making it unlikely the turtle would be here. Upstream in stream 2 is also completely culverted and is not perennial and unlikely to host the spotted turtle. Given the species' mobility and marginal habitat within the project area, this project is not likely to impact this species.

Species Common Name: Kirtland's snake

Species Scientific Name: *Clonophis kirtlandii*

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:

No individuals of the species were observed. Wetlands A, B, and C, as well as the various fields present in the right of way in the study area offer marginal habitat for the species. Given the species' mobility, there be no impacts to the species.

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: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

No individuals of the species were observed. Wetlands A, B, and C, as well as the various woodlots present in the right of way in the study area offer marginal habitat for the species. Given the species' mobility, there be no impacts to the species.

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: Lark sparrow

Species Scientific Name: *Chondestes grammacus*

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:

No individuals of the species were observed. The various fields present in the right of way in the study area offer marginal habitat for the species. Given the species' mobility, there be no impacts to the species.

Species Common Name: Snowy egret

Species Scientific Name: *Egretta thula*

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: Threatened

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

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

No individuals of the species were observed. The various wooded areas present in the right of way in the study area offer marginal habitat for the species. Given the species' mobility, there be no impacts to the species.

Species Common Name: Northern harrier

Species Scientific Name: *Circus cyaneus*

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:

No individuals of the species were observed. The various fields present in the right of way in the study area offer marginal habitat for the species. Given the species' mobility, there be no impacts to the species.

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: Blanding's turtle

Species Scientific Name: *Emydoidea blandingii*

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:

There is no record of this species within 1 mile of the project area. Wetlands A, B, and C, as well as the various streams/roadside ditches in the study area offer marginal habitat for the species. Stream 1 impacts are all within an interchange where the species is not likely to travel; as the stream upstream of the project area is completely culverted. The section of Ottawa River being impacted already has a bridge in this location and there is a lot of additional, better quality habitat along this stream. Given the species' mobility and marginal habitat, this project is not likely to impact the Blanding's turtle.



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ESR Name: LUC-US23-11.75 Additional Area

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

Remarks:

ODOT concluded that the project would have No Effect on the Bald Eagle, Eastern Massasauga, Eastern Prairie Fringed Orchid, Karner Blue Butterfly, Piping Plover, Rayed Bean, and Rufa Red Knot. The project May Affect, Likely to Adversely Affect the Indiana Bat and Northern Long-eared bat, and May Effect, Not likely to Jeopardize the Tricolored Bat due to the 6.57 acres of SWH impact. As such the project underwent formal Section 7 Consultation initiated by ODOT on May 30, 2023, with the implementation of the avoidance, minimization, and compensation measures as described for Consultation Category (CC) 3-b projects in the PBO. These measures include: Suitable Wooded Habitat for the Northern Long-eared bat and Indiana bats will be seasonally removed when both species would not be utilizing the roosting habitat. All phases/aspects of the project (e.g., temporary work areas, alignments) will be modified to avoid tree removal in excess of what is required to implement the project safely. Ensure tree removal is limited to that specified in project plans by clearly marking clearing limits. Ensure that contractors understand clearing limits and how they are marked in the field. 8.17 acres of credits will be subtracted from the acreage credit available at the Sunday Creek Coal Company 2 Bat Conservation Area which will offset the acreage of SWH to be removed in the Western Management Unit. On July 10, 2023 the USFWS concluded that the project, as proposed, is not likely to jeopardize the continued existence of the NLEB. And on July 21, 2023, the USFWS determined that the project is not likely to jeopardize the continued existence of the Indiana bat and/or NLEB, and concurred with ODOT's determination that the project may affect but is not likely to jeopardize the continued existence of the tricolored bat. The USFWS concurrence concluded the Endangered Species Act Section 7 responsibilities relative to this species for the project. On 5/15/2023, a directed meander survey was conducted throughout the entirety of the areas mapped as suitable and marginally suitable, with extra attention given to the suitable areas, for the species with records that exist within the study area. No state listed species were observed in the study area. ODOT concluded that the project would have no impact or was not likely to impact any state-listed species.

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-US23-11.75	USFWS	5/30/2023		Yes
LUC-US23-11.75 Additional Area	No agency coordination required			



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Additional Coordination Considerations:

Are other ecological coordination requirements applicable? No

Remarks:

The US Fish and Wildlife Service (USFWS) was initially notified of the proposed project by ODOT-OES on May 30, 2023. USFWS provided concurrence on July 21, 2023, with the findings related to the federal threatened and endangered species, which are summarized in the section above.

Are there any environmental commitments? Yes



Other Resources

Farmlands

The proposed project is located within an Urbanized Area Yes

The proposed project is located in an area that is in or committed to urban development or water storage and is therefore not subject to the Farmland Policy Protection Act (FPPA) in accordance with 7 CFR 658. No further coordination is required.

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

Remarks:

Based upon review of TIMS mapping by Lawhon & Associates, the proposed project is located in an urbanized area zoned for non-agricultural purposes and is not in an agricultural district. Therefore, 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. No further coordination is required. Urbanized Area Map maybe found in the Project File under Other Resources/Farmlands

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:
The proposed project is wholly or partially located within the OEPA designated boundaries of a Source Water Protection Area	No	

Coordination with the Local Public Water Administrator is required No

	Present:	Impacted:
Residential Wells are present	Yes	No

Remarks:



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A review of ODNR's Division of Geological Survey Water Wells Database by Lawhon & Associates identified three (3) domestic residential water wells located within the project area. Two (2) of the water wells are associated with the Toledo Memorial Park located at 6382 Monroe St. One (1) water well is located adjacent to Acres Road at STA 63+00. No domestic residential water wells will be impacted by the proposed project. The OEPA Division of Drinking and Ground Waters mapping tool was used to identify the presence of drinking water resources within the proposed project study area. The map indicates there are no public water system wells, intakes, drinking water source protection areas, non-transient, non-community Water Systems or transient non-community water systems within the proposed project area. Furthermore, the proposed project area is not within a designated sole source aquifer. No impacts to residential drinking water sources is anticipated. OEPA and ODNR mapping may be found in the Project File under Other Resources/Drinking Water.

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
The Sylvania River Trail	Publicly owned Recreational Facility and/or Area	0.03	0.03	De Minimis	06/28/2023

Remarks:



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A review of maps and property ownership by Lawhon & Associates identified one Section 4(f) property within the project area, The Sylvania River Trail. John Seney Triangle Park was determined not to be a Section 4(f) property. Both properties are discussed below.

The Sylvania River Trail - The Sylvania River Trail is a 15-foot multi-use path that runs along Ten Mile Creek and the Ottawa River for approximately 1.7 miles. The second phase of the River Trail runs from Harroun Road, along the Flower Hospital campus, and under US 23 to Monroe St near the Burger King restaurant. The new bridge construction, existing bridge rehabilitation, and bridge demolition associated with the project will temporarily impact the trail. Additionally, temporary access will be required from the City of Sylvania Trail's easement, recorded as No. 20181218-005602, associated with the Sylvania River Trail on the west side of US 23. Approximately 0.03-acres of the easement will be used for access during construction. Temporary closures of the River Trail from Monroe Street to Harroun Road will be necessary to protect pedestrian and cyclist safety during construction. During this closure, the existing fencing along the trail will be removed and replaced in-kind to facilitate construction access to the existing bridge locations and the proposed bridge locations. Adequate signage will be provided to detour pedestrians and cyclists from the Monroe Street and the Harroun Street entrances to the trail. From the Monroe Street entrance, pedestrian users will be directed northwest on the sidewalks of Monroe Street to Harroun Road where they will turn south to access the trail. From the Harroun Road entrance, users will be directed north to Monroe Street, where they would turn right to head east and then follow Monroe Street. Bicyclists will utilize the same route on the roadway, instead of the sidewalks.

Letters were mailed to property owners, residents, and stakeholders in and around the project area on April 7, 2023. Letters were also sent to nearby high traffic areas, churches, libraries, and businesses that included flyers to be posted by the business for additional advertisement to the surrounding area. The letters invited the public to a public meeting open house, provided a narrative description of impacts to The Sylvania River Trail, a map of the proposed detour, and provided an invitation to view additional materials online and submit comments before June 9, 2023. A press release and ODOT web posting also notified the public of the proposed Sylvania River Trail impacts. Additionally, a resource specific handout was made available at the May 9, 2023, public involvement meeting. All comments received relative to the Sylvania River Trail were supportive.

On June 28, 2023, ODOT-OES determined that the project will have a *de minimis* impact on the Sylvania River Trail.

John Seney Triangle Park - The proposed project includes the involvement with the property between West Alexis Road, Monroe Street, and Acres Road, referenced as John Seney Triangle Park. This property is a City owned green space property, is listed as Lucas County Auditor's Parcel ID 8203211, located at 5925 W Alexis Rd, and zoned exempt. The property has signage relevant to City of Sylvania's facilities, the "Triad of Tree" statue dedicated on April 29, 1988, and landscaping elements. This parcel does not have tables, benches, trail connectivity or other recreational facilities that would serve as a park for recreational purposes. Additionally, the "Triad of Tree" statue would be relocated as part of the project. As such John Seney Triangle Park does not have significant recreational use and would therefore would not be considered a protected 4(f) resource. The OWJ concurred with this determination on March 17, 2023. A comment was received in support of removing the statue from its current location.

All Section 4(f) documentation can be found in the Project File under Section 4(f)/Coordination and Reports subsections.

Are there any environmental commitments? Yes



Section 6(f)

Section 6(f) Determination

Section 6(f) Determination

	Present:	Impacted:
6(f) Properties:	No	

Remarks:

Research of The Land and Water Conservation Fund's (LWCF) website (<https://lwcf.tplgis.org/mappast/>) by Lawhon & Associates, Inc. did not identify any public parks or recreation areas that have used Section 6(f) funds within the project area. Harroun Community Park received State and Local Assistance funds for acquisition in 1980 and is located in proximity to the project area. The construction of the proposed project will not impact Harroun Community Park, nor will the proposed project require any acquisition from land that received 6(f) funds. Therefore, no coordination is required. The LWCF Grant Listing for Lucas County and associated mapping can be found in the Project File under Section 6(f)/Project Information.

Are there any environmental commitments? No



Community Impacts

Community Impacts

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

Remarks:

The proposed project is consistent with local and regional development patterns. The project is listed in the Toledo Metropolitan Area Council of Governments' (TMACOG's) [the MPO for the region] FY 2021-2024 and 2024-2027 Transportation Improvement Program (TIP).

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

Remarks:

The proposed project is not anticipated to result in substantial negative impacts to community cohesion.

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

Remarks:

The proposed project will not result in any foreseeable indirect or cumulative impacts. The project will improve safety at the intersection.

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:

Closures during construction of the project may cause temporary impacts and changes in access. The proposed project will not result in substantial negative impacts on health and educational facilities, public utilities, fire, police, emergency services, religious institutions, public transportation, or pedestrian and bicycle facilities.

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

Remarks:

No displacements will be required for the proposed project. The removal of Acres Road between West Alexis Road and Monroe Street will remove an access point from Dave White Chevrolet however the business will still be serviced by the two remaining access points on West Alexis Road and two access points on Monroe Street.

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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Many comments received during the open house and comment period were concerned about the access restrictions proposed at Acres Road, an area with 14% over age 64 population . Considering the feedback received from stakeholders and the public regarding the right-in-right-out at Alexis and Acres Road, the design has been modified to allow for additional movements. The design now includes a dedicated left turn signal at Elliott Drive to eastbound W Alexis Road. A U-turn "loon" will also be installed to allow eastbound passenger vehicles (no trucks) to U-turn and head westbound on W Alexis Road.

Are there any Environmental Commitments? No



Environmental Justice

Environmental Justice

Identified Environmental Justice Populations

Census Block Group #	% Minority	% Low Income
390950082011	7	42
390950081003	12	37
390950081002	10	19
390950083014	10	25
390950082023	8	26

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? Yes

Will access to shopping, bus stops, schools, jobs, recreational resources, community centers, etc. be diminished or completely restricted on a permanent basis for an Environmental Justice Population? No

Will man-made dividers such as an overpass, bridge, 4-lane or greater roadway or railroad negatively impact the extent to which a community feels connected or cohesive for an Environmental Justice Population? No

Will access to or use of the transportation improvement be denied to any Environmental Justice Populations (for reasons such as cost to use, ability to access, etc.)? 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:



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Lawhon & Associates, Inc. reviewed ODOT's TIMS to determine the presence of Underserved Populations in the project area. According to TIMS, the minority population in the project area ranged from 7% to 12% and the low-income population ranged from 19% to 42%.

The project team followed ODOT's guidance on Underserved Populations to prepare documentation required to address Title VI of the Civil Rights Act, the Executive Order on Environmental Justice, and similar regulations.

During public involvement, notifications and materials for the public meetings were made available in large font and had easily understood graphics and language. Flyers were sent to hospitals, education facilities, municipal buildings, community centers, grocery stores, businesses, and libraries to help spread the word to traditionally underserved populations about the proposed project and the public meeting. A stakeholder group of local officials, school administrators, and emergency service personnel was used to disseminate information to their constituents and other locals. The changes in access to construct the interchange will not impact environmental justice populations more than the general public and will not limit access to/use of any facility.

The proposed project will have no disproportionately high and adverse effects to minority or low-income populations or disparate impacts to a Title VI population based upon the table above, the attached mapping, and the answers to the questions above. No concerns related to impacts on Environmental Justice or Title VI populations were raised as a result of public involvement activities conducted as part of the proposed project. Many comments received during the open house and comment period were concerned about the access restrictions proposed at Acres Road, an area with 42% low income population. Considering the feedback received from stakeholders and the public regarding the right-in-right-out at Alexis and Acres Road, the design has been modified to allow for additional movements. The design now includes a dedicated left turn signal at Elliott Drive to eastbound W Alexis Road. A U-turn "looon" will also be installed to allow eastbound passenger vehicles (no trucks) to U-turn and head westbound on W Alexis Road. Therefore, in accordance with the protections of Executive Order 12898, FHWA Order 6640.23A and Title VI of the Civil Rights Act of 1964, no further analysis is required.

Based on the above findings an EJAR is not required.

Census Mapping can be found in the Project File under Underserved Populations/Project Information/Census Mapping.

Are there any Environmental Commitments? No



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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)

A Public Engagement Plan for the project was approved in November 2022.

Letters were mailed to property owners, residents, and stakeholders in and around the project area on April 7, 2023. Letters were also sent to nearby high traffic areas, churches, libraries, and businesses that included flyers to be posted by the business for additional advertisement to the surrounding area. The letters invited the public to a public meeting open house, provided information on the project including a project description, summary of the purpose and need for the project, the construction schedule, maintenance of traffic, and provided an invitation to view additional materials online and submit comments before June 9, 2023. The letters included a link to the project website (<https://www.transportation.ohio.gov/projects/projects/105889>) where materials could be accessed, project information and exhibits could be viewed, and comments could be submitted. A comment form was also included in the mailing to provide an opportunity to comment via mail.

A press release and ODOT web posting also notified the public of the upcoming meeting, project details, and meeting. Local news outlets including ABC 13 and the Toledo Blade also posted news articles advertising the public meeting on April 13, 2023 and April 13, 2023, respectively.

The public meeting open house was held on May 9, 2023 from 5:30-7:30pm in the cafeteria at the Sylvania Northview High School. The purpose of the public meeting was to explain the need for the project, what improvements are being proposed, potential impacts, gather feedback, answer questions, and review next steps. Various exhibits were set up around the room showing the proposed design, right-of-way information, and environmental impacts. 141 people attended the in-person open house. Following the in-person meeting, all exhibits and documents were posted on the ODOT District 2 webpage for virtual participation. Members of the public were allowed to provide questions, concerns, or comments about the proposed project upon receipt of the notification letter from April 7, 2023 until June 9, 2023.

All public involvement materials can be found in the Project File under Public Involvement/Project Information.

Is there any substantial environmental controversy on environmental grounds?

Yes

Please discuss:

During the open house and public comment period, 19 (of 54 total) comments were received regarding the proposed right-in-right-out at Alexis Road and Acres Road. At the time of the public involvement, the intersection of Alexis Road and Acres Road was signalized with unrestricted movement. Many comments received opposed the proposed right-in-right-out saying that the access restriction would limit residents' ability to get in and out of their neighborhood and limit access to nearby businesses. Concerns were also raised regarding diverted traffic and "cut throughs" increasing traffic on residential streets that may cause safety concerns for nearby pedestrians and residents.

Considering the feedback received from stakeholders and the public regarding the right-in-right-out at Alexis and Acres Road, the design was modified to allow for additional movements. The design now includes a dedicated left turn signal at Elliott Drive to eastbound W Alexis Road. A U-turn "looon" is also proposed to allow eastbound passenger vehicles (no trucks) to U-turn and head westbound on W Alexis Road.

Please summarize the Public Involvement responses received.



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Fifty-four (54) comments were received during the comment period. Eleven (11) comments were received via email, ten (10) comments were received via a mailed comment form, six (6) comments was received via the ODOT project webpage, one (1) comment was received via a phone call, and twenty-six (26) comments were received via written comment form at the public open house. Many comments received during the open house and comment period were concerned about the access restrictions proposed at Acres Road, the need for the project, how public input is gathered and used, and other proposed traffic and safety improvements. Many comments also expressed their approval of the proposed bridge replacement, pedestrian improvements, and intersection re-alignment.

A comment response letter, email, and summary table were created by the project team to provide a summary of public involvement, project updates, and responses to comments received during the 30-day comment period and was sent on on August 16, 2023. The letter and summary table were mailed to all open house attendees and commenters who provided a mailing address. An email and summary table were emailed to all open house attendees and commenters who provided an email address. All comments and responses are documented in the project file.

Are there any Environmental Commitments? No



Permits

Waterway Permits

Are Waterway Permits required? Yes

Is the Waterway Permits Determination Complete? No

Army Corps of Engineers

Regional General Permit (RGP):

Nationwide Permit (NWP):

Section 404 Individual Permit:

Section 10 Permit:

Ohio EPA

Section 401 Water Quality Certification:

Level 1 General Isolated Wetland Permit:

Level 2 Individual Isolated Wetland Permit:

Level 3 individual Isolated Wetland Permit:

US Coast Guard

Section 9 Coordination: No

Section 9 Bridge Permit: No

ODNR

Shore Structure Permit : No

Remarks:

At this time a permit determination request (PDR) has not been completed. It is anticipated that stream impacts below the Ordinary High Water Mark (OHWM) of identified streams and fill within identified wetlands will occur.

ODOT District 2 will obtain any required waterway permits and mitigation prior to construction.

Are there any environmental commitments? Yes

Storm Water Permits

NPDES Construction General Permit for Stormwater (NOI): Yes

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



Remarks:

Construction of the project is anticipated to result in greater than one acre of earth-disturbing construction activities, which will require a Notice of Intent (NOI) to be submitted for this project, per ODOT standard operating procedures. Furthermore, a National Pollutant Discharge Elimination System (NPDES) general permit for storm water discharges shall be obtained from the Ohio EPA.

Are there any environmental commitments? No

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 06/22/2023

Remarks:

Based on review of the FEMA Flood Insurance Rate Map (FIRM) Community Panels 39095C0054E and 39095C0058E by Lawhon & Associates, Inc. on May 18, 2023, the proposed project is located within a regulated floodplain. The southbound on ramp to US 23 and the northbound off ramp encroach into the Ottawa River floodplain and floodway. On June 22, 2023, floodplain coordination and a variance from local City of Sylvania floodplain ordinances was requested on behalf of ODOT, this variance was denied on June 23, 2023.

The floodplain map and associated coordination can be found in the project file under the Permits/Floodplain subsection.

Are there any environmental commitments? No

Landfills

Is a 2713 Permit required? No

Remarks:

Based upon regulated materials studies conducted by Lawhon & Associates, Inc. there are no landfills located within the project area. No permit is required.

Are there any environmental commitments? No



Environmental Commitments

ESA

- 1) A PCS plan note will be placed in the Final Plans to properly manage PCS that may be encountered during excavation or construction activities for the property located at 6127 Monroe Street.
- 2) The Project Designer shall include Asbestos Abatement Plan Note for structures LUC-23-1165R and LUC-51-1285L

Ecological

- 1) Ensure impacts to the federally listed and protected Indiana bat and Northern long-eared bat and the State listed and protected Little brown bat and Tricolored bat are avoided and minimized. Do not remove trees from April 1 through September 30. Perform all necessary tree removal from October 1 through March 31. Demarcate clearing limits in the field to avoid any unauthorized tree clearing. 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.
- 2) Hire a State permitted malacologist to complete a mussel salvage and relocation in accordance with the most recent version of the Ohio Mussel Survey Protocol prior to the initiation of consultation activities below the ordinary high water mark. The mussel survey must occur after May 1 and before October 1 either within the same season as the instream work or the season prior to the instream work. Submit the results of the mussel survey, salvage work, or both to the ODOT District Environmental Coordinator, Phoenix Golnick (phoenix.golnick@dot.ohio.gov, 419-373-4329). Obtain approval from the Department prior to performing work below the ordinary high water mark of the Ottawa River.
- 3) No in-water work in the Ottawa River will occur from April 15th through June 30th to protect spawning season for state listed threatened and endangered fish species, unless the appropriate waiver is obtained from ODNR.
- 4) Ecological studies identified swallow nests on the LUC-184-00210 R, LUC-23-11650 R, LUC-23-11650 L structures. If construction activities will occur between May 1 and August 31 on this structure, inspect the structure for evidence of an active bird nest containing an egg or chick prior to starting work. Provide written confirmation of the inspection, including a statement whether an active nest was found, to the Engineer. If no nests are encountered during the inspection, or if only inactive nests that do not contain an egg or chick are encountered, proceed with construction activities. The Contractor may remove and destroy inactive nests. The Contractor may install exclusion measures between August 31 and May 1 to prevent migratory birds from nesting on the structure. Projects performing construction activities between the dates of September 1 and April 30 do not require an inspection for migratory birds or avoidance measures. If an active nest containing an egg or chick is encountered, avoid impacts to the nest until all developing birds are able to independently fly from the nest. If an active nest containing an egg or chick cannot be avoided, contact the Engineer at least 4 weeks prior destroying an active nest so the ODOT can obtain a Depredation Permit from the U.S. Fish and Wildlife Service. The Contractor shall be responsible for all costs and completing all tasks related to obtaining the Depredation Permit except for direct coordination with the Migratory Bird Regional Permit Office. Do not proceed with activities that will impact an active nest until ODOT confirms the Depredation Permit is received.
- 5) 8.17 acres of credits will be subtracted from the acreage credit available at the Sunday Creek Coal Company 2 Bat Conservation Area.

Section 4(f)

- 1) Appropriate signage shall be installed to alert users of The River Trail of construction activities, access restrictions or closures, and to direct users to secondary access points.



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2) The contractor shall be required to closely coordinate the construction schedule with ODOT, The City of Sylvania, and The City of Sylvania's Parks and Forestry Division prior to the start of construction activities.

3) Access to The River Trail will be restricted for a period of time that is anticipated to last no longer than 10 nonconsecutive months and will not be for the duration of construction.

4) Temporary construction fencing shall be installed along proposed construction limits prior to the start of construction activities to protect the existing Section 4(f) property and the public.

Permits - Waterway Permits

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



Preparers and Approvals

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Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Phoenix Meek (PROGRAM ADMIN 3)	9/11/2023



Appendix

General

Aerial Map- Alexis and Elliot U-turn.pdf
Aerial Map.pdf
Correspondence Related to Utility Coordination.pdf
County Map.pdf
ODOT Approval - IMS.pdf
USGS Quadrangle Topographical Map- Alexis and Elliot U-turn.pdf
USGS Quadrangle Topographical Map.pdf

Purpose and Need

District Acceptance - Purpose and Need.pdf

Alternatives

District Acceptance - Feasibility Study.pdf

Air

OES Approval - No Air Analysis Required.pdf

Noise

OES Approval - No Analysis Required.pdf

ESA

OES Recommendations - Screening.pdf

Cultural Resources

Records Check.pdf
SHPO Comments
SHPO Concurrence - Re-Evaluation.pdf
Transmittal 1 - Effect Determination
Transmittal 2 - Effect Determination Re-evaluation
Tribal Comments - Miami Tribe.pdf
Tribal Consultation
Tribal Consultation - Correspondence List and Example Email.pdf
Tribal Consultation - Correspondence List and Example Email2.pdf
Tribal Response - Delaware Nation.pdf



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Tribal Response - Delaware Tribe.pdf

Tribal Response - Forest County Potawatomi.pdf

Tribal Response - Seneca Nation.pdf

Tribal Response - Seneca Nation2.pdf

Tribal Response - Shawnee Tribe.2.pdf

Tribal Response - Shawnee Tribe.pdf

Tribal Response - Wyandotte Nation.pdf

Ecological

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

OWJ Determination - No 4(f) - John Seney Triangle Park.pdf

Environmental Justice

Census Mapping.pdf

Public Involvement

District Approval - Public Involvement Plan 2019.pdf

District Approval - Public Involvement Plan 2023.pdf

News Article - ABC13 - 2023.pdf

News Article - The Blade - 2023.pdf

News Articles - 2018.pdf

Press Release - 2023.pdf

Press Releases - 2018.pdf

Public Comments Received - 2018.pdf

Public Involvement Plan 2023.pdf

Public Meeting Comment Sheet - 2018.pdf

Public Meeting Exhibits - 2018.pdf

Public Meeting Exhibits - 2023.pdf



Public Meeting Flyer - 2018.pdf

Public Meeting Flyer - 2023.pdf

Public Meeting Flyer Distribution List - 2018.pdf

Public Meeting Flyer Letter - 2018.pdf

Public Meeting Handouts - 2018.pdf

Public Meeting Handouts - 2023.pdf

Public Meeting Notification Area Map - 2023.pdf

Public Meeting Notification Email and Email List - 2023.pdf

Public Meeting Notification Flyer Letter and List - 2023.pdf

Public Meeting Notification Letter and Mailing List - 2023.pdf

Public Meeting Sign In Sheet - 2018.pdf

Public Meeting Sign In Sheets - 2023.pdf

Public Notification Mailing List - 2018.pdf

Public Notification Mailing List Map - 2018.pdf

Response to Public Comments - 2018.pdf

Response to Public Comments - 2023.pdf

Websites - City of Sylvania - 2018.pdf

Permits

Correspondence with Local Floodplain Administrator.pdf

FEMA FIRM.pdf

Floodplain Impacts - District Determination.pdf

Floodplain Impacts.pdf

Statement of Findings.pdf

Variance Requests.pdf